Draft Environmental Impact Report

Shelter Island Commercial Fishing Wharf Project

State Clearinghouse No. 2024120926

Prepared for:

San Diego Unified Port District

April 2026

Appendix A-L

Appendix A

Notice of Preparation

NOTICE OF PREPARATION
of a
DRAFT ENVIRONMENTAL IMPACT REPORT
and
NOTICE of PUBLIC SCOPING MEETING

PROJECT TITLE: **SHELTER ISLAND COMMERICAL FISHING WHARF PROJECT (UPD #EIR-2024-104)**

APPLICANT: Driscoll Marina, Ltd. (Demolition Component);
San Diego Unified Port District (Waterside Development Component)

LOCATION: 4918 North Harbor Drive in San Diego, in San Diego County, California

REFERENCE: California Code of Regulations, Title 14, Sections 15082(a), 15103, 15375

The San Diego Unified Port District (District) will be the Lead Agency in preparing an Environmental Impact Report (EIR) for the project identified above (project). The District is soliciting input and feedback from various agencies, stakeholders, and the public pertaining to the scope and content of the environmental information that will be included in the EIR. For certain agencies, this may be germane to statutory responsibilities in connection with the proposed project. An agency may need to use the proposed project's EIR when considering its permit or other approval for the project. The project description, location, and possible environmental effects of the proposed project are contained in the attached materials.

Due to the time limits mandated by state law, your comments must be sent at the earliest possible date but no later than 30 days after issuance of this notice. **Comments regarding environmental concerns will be accepted until 5:00 p.m. on Friday, January 24, 2025,** and should be mailed to: San Diego Unified Port District, Planning Department, Attn: Lily Tsukayama, 3165 Pacific Highway, San Diego, CA 92101 or emailed to: **ltsukayama@portofsandiego.org**.

A virtual public scoping meeting regarding the proposed EIR will be held via Microsoft Teams on Wednesday, January 15, 2025, at 5:30 p.m. Click here to join the virtual meeting on Wednesday, January 15, or contact Lily Tsukayama for the link to the virtual meeting. For questions on this notice, contact Lily Tsukayama at (619) 686-8199 or ltsukayama@portofsandiego.org.

For questions on this Notice of Preparation, please contact Lily Tsukayama, Program Manager, Planning Department, at (619) 686-8199.

Signature: ______________________ Date: 12/19/24

Lesley Nishihira, AICP
Assistant Vice President, Planning

Issuance Date: December 19, 2024

THIS PAGE INTENTIONALLY LEFT BLANK.

San Diego Unified Port District
3165 Pacific Highway
San Diego, CA 92101

NOTICE OF PREPARATION
of a
DRAFT ENVIRONMENTAL IMPACT REPORT
for the
SHELTER ISLAND COMMERICAL FISHING WHARF PROJECT
(UPD #EIR-2024-104)

The proposed project is the modernization of the existing commercial fishing marina at the existing Driscoll's Wharf (Driscoll's) leasehold area. Proposed actions would include a demolition component, which is a condition of the lease with the existing tenant (Driscoll Marina Ltd.), and a waterside development component. The demolition component would remove Piers 4, 5, 6, 7, and 8; demolish Building E and a small hazardous material storage shed; and remove all soil, groundwater, and sediment contaminants from the leased premises. The tenant, Driscoll Marina Ltd., is responsible for all of the demolition component as part of the end-of-lease obligations, except removal of Pier 4, for which the District is the project proponent. The District is the project proponent for the waterside development component. The District proposes to reconstruct and operate Piers 4, 5, 6, 7, and 8, which would also include new gangways, headwalks connecting piers, and a floating wave attenuator to the east of the existing leasehold. Coastal Development Permits (CDPs) are required to implement the proposed project.

Publication of this Notice of Preparation (NOP) initiates the District's environmental review and analysis of the project pursuant to the California Environmental Quality Act (CEQA). The NOP is the first step in the CEQA process. It describes the project and is distributed to responsible agencies, trustee agencies, involved federal agencies, and the general public. As stated in CEQA Guidelines Section 15375, the purpose of the NOP is "to solicit guidance from those agencies as to the scope and content of the environmental information to be included" in the Environmental Impact Report (EIR). The NOP provides an opportunity for agencies and the general public to comment on the scope and content of the environmental analysis of a project.

PROJECT LOCATION AND EXISTING SETTING

The project site is within and directly adjacent to the Driscoll's Wharf leasehold, located on District property, at 4918 North Harbor Drive in San Diego, California. The leasehold encompasses 2.9 acres of landside area, and 5.7 acres of waterside area. The portion of the project site that is directly adjacent to the Driscoll's Wharf leasehold area is an approximately 0.7 -acre area where the floating wave attenuator is proposed. Figure 1 provides a project vicinity map.

The Driscoll's Wharf leasehold is bordered to the north by Nixie Way on Naval Base Point Loma Harbor Drive Annex, and the water-side area is located within the northeast area of America's Cup Harbor. Access to the project site is provided via Nixie Way from North Harbor Drive.

The project site is one of two commercial fishing wharves in San Diego Bay. The landside portions of the project site include surface parking, office buildings, outdoor storage areas, and other facilities related to the commercial fishing industry. The waterside portion of the project site includes a loading and offloading commercial fishing wharf (Pier 4) and a marina (Piers 5, 6, 7, and 8) for commercial fishing vessels.

LAND AND WATER USE DESIGNATIONS

The District's Port Master Plan (PMP) governs the land and water uses on District Tidelands that the State Legislature has granted to the District, as trustee, and for which the District has regulatory duties and proprietary responsibilities. The PMP establishes 10 planning districts covering approximately 5,500 acres of District jurisdiction. The project site is within Planning District 1 (Shelter Island). The Planning District 1 water designations include, but are not limited to, Recreational Boat Berthing, Marine Services and Sportfishing Berthing, Commercial Fishing Berthing, and Open Bay/Water. Land use designations include, but are not limited to, Commercial Recreation, Marine Sales and Services, Commercial Fishing, Sportfishing, Open Space, Park/Plaza, and Promenade. The designations within the project site are Commercial Fishing (land), Commercial Fishing Berthing (water) and Navy Small Craft Berthing (water).

BACKGROUND

The project site is currently and was historically used as a wharf for commercial fishing and recreational vessels. It was constructed in the early 1950's, and Driscoll Marina Ltd. has leased the project area from the District since 1992.

Commercial fishing is identified as a high-priority use under the California Coastal Act (Sections 30234 and 30234.5), and "fisheries" are one of the five Public Trust uses that the District is charged with promoting under the Public Trust Doctrine and the San Diego Unified Port District Act (Port Act).

The project is needed to address deficiencies related to the age and condition of structures. Most of the existing structures have reached the end of their useful life (e.g., Piers 5, 6, 7, and 8; Building E) and modernization of the wharf is needed if commercial fishing operations are to continue on the project site.

BRIEF PROJECT DESCRIPTION

The project is designed to address existing deficiencies related to the age and condition of structures, and outdated operational conditions at the existing piers. Specifically, the project includes the following components: the Demolition Component and the Waterside Development Component, as described more below.

The Demolition Component consists of the following:

- Demolition of the fish offloading pier (Pier 4);
- Demolition of Piers 5 though 8;
- Demolition of one landside building (Building E, also known as Building 4922);
- Demolition of a hazardous materials storage shed; and
- Removal of soil, groundwater, and sediment contaminants in various areas throughout site, as needed.

Figure 2 is an aerial photo that identifies the existing project site and the areas that are part of the Demolition Component.

The Waterside Development Component consists of the following:

- Reconstruction of up to three floating dock piers (Piers 5, 7, and 8) and associated structures, such as new gangways and headwalks connecting the piers;
- Construction of a floating platform to replace the existing Pier 6 for vessel loading and unloading;
- Reconstruction of Pier 4 for unloading of fish, seafood, and related equipment; and
- Installation of a floating wave attenuator east of the marina (outside of the existing leasehold).

Figure 3 provides a site plan for the proposed Waterside Development Component.

ENVIRONMENTAL CONSIDERATIONS

Probable Environmental Effects to be Addressed in the EIR

Based on the initial study environmental checklist analysis (Attachment A), the District has determined that the following environmental topics will be included and analyzed in the EIR:

- Air Quality
- Biological Resources
- Cultural Resources
- Energy
- Greenhouse Gas Emissions
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Land Use and Planning
- Noise
- Transportation

The EIR would also address feasible mitigation measures, a reasonable range of alternatives, and additional mandatory sections as required by CEQA. The District would also prepare a mitigation monitoring and reporting program to address the potential significant impacts of the project.

Effects Determined to be Less than Significant During Preparation of the Initial Study

Based on the initial study environmental checklist analysis (Attachment A), it has been determined that implementation of the project would not have the potential to result in significant impacts to the following resource areas:

- Aesthetics
- Agriculture and Forestry Resources
- Geology/Soils
- Mineral Resources
- Population and Housing
- Public Services
- Recreation
- Tribal Cultural Resources
- Utilities and Service Systems
- Wildfire

NOTICE OF PREPARATION COMMENTS

The Notice of Preparation is available for a 30-day public review period that starts on **Thursday, December 19, 2024 and ends at 5:00 p.m. on Friday, January 24, 2025**. Written comments will be accepted until 5:00 p.m. on Friday, January 24, 2025. Comments regarding the scope and content of the environmental information that should be included in the EIR and other environmental concerns should be mailed to:

San Diego Unified Port District
Attn: Lily Tsukayama, Planning Department
3165 Pacific Highway
San Diego, CA 92101
or emailed to: ltsukayama@portofsandiego.org

PUBLIC SCOPING MEETING

A virtual public scoping meeting regarding the proposed EIR will be held via Microsoft Teams on **Wednesday, January 15, 2025, at 5:30 p.m**. Click here to join the virtual meeting on Wednesday, January 15, or contact Lily Tsukayama for the link to the virtual meeting. For questions on this notice, contact Lily Tsukayama at (619) 686-8199 or ltsukayama@portofsandiego.org

The District, as Lead Agency pursuant to CEQA, will review the public comments on the NOP to determine which issues should be addressed in the EIR.

Other opportunities for the public to comment on the environmental effects of the project include, but are not limited to, the following.

- A minimum 45-day public review period for the Draft EIR
- A public hearing where the Board of Port Commissioners will consider certification of the EIR and issuance of the CDP

For questions regarding this Notice of Preparation, please contact Lily Tsukayama at (619) 686-8199 or ltsukayama@portofsandiego.org.

ATTACHMENTS

Figure 1: Project Vicinity Map

Figure 2: Existing Project Site and Demolition Component

Figure 3: Proposed Site Plan for Waterside Development Component

Attachment A: Initial Study Environmental Checklist

Figure 1 Project Vicinity

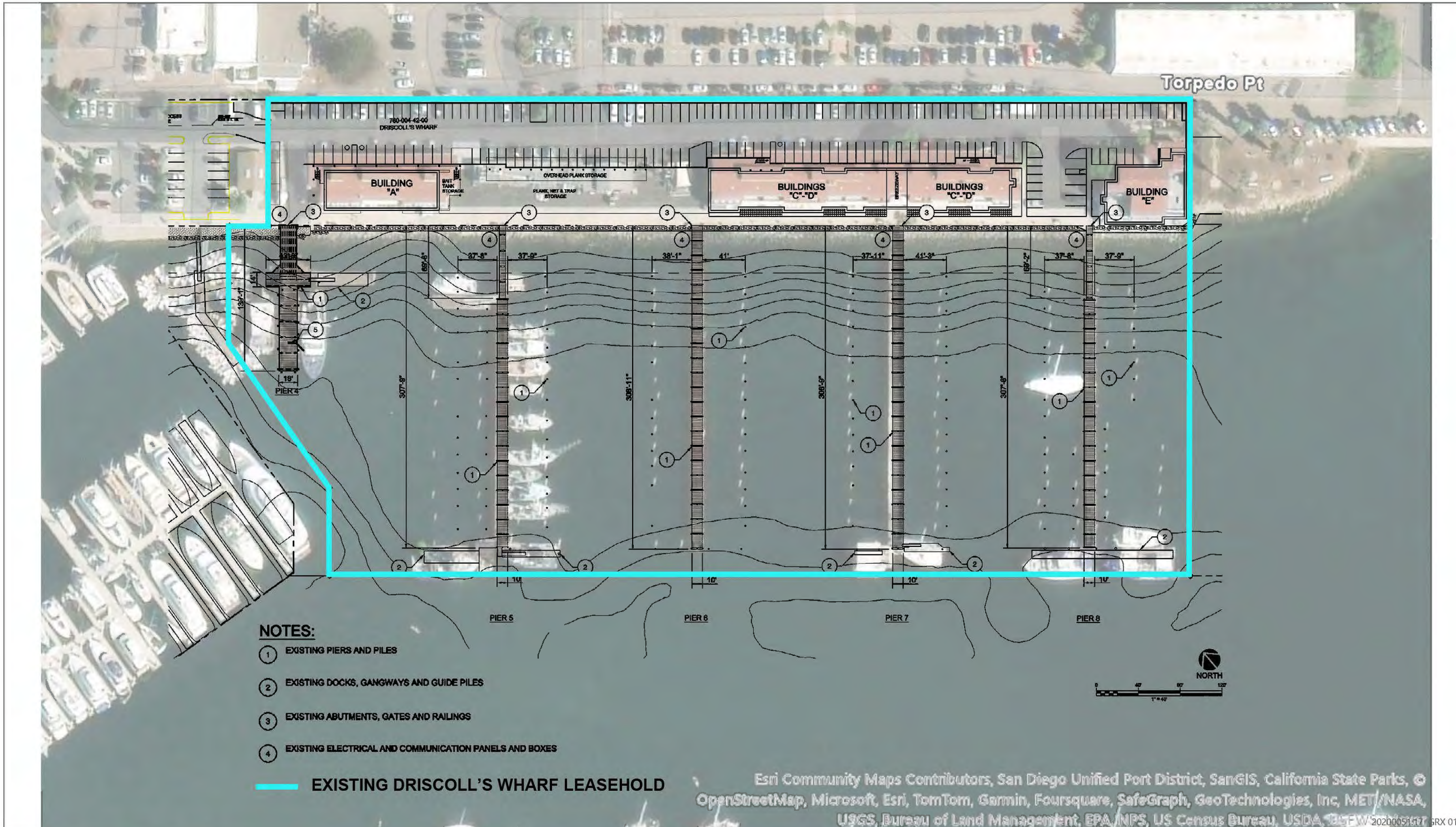


Figure 2 Existing Project Site and Demolition Component

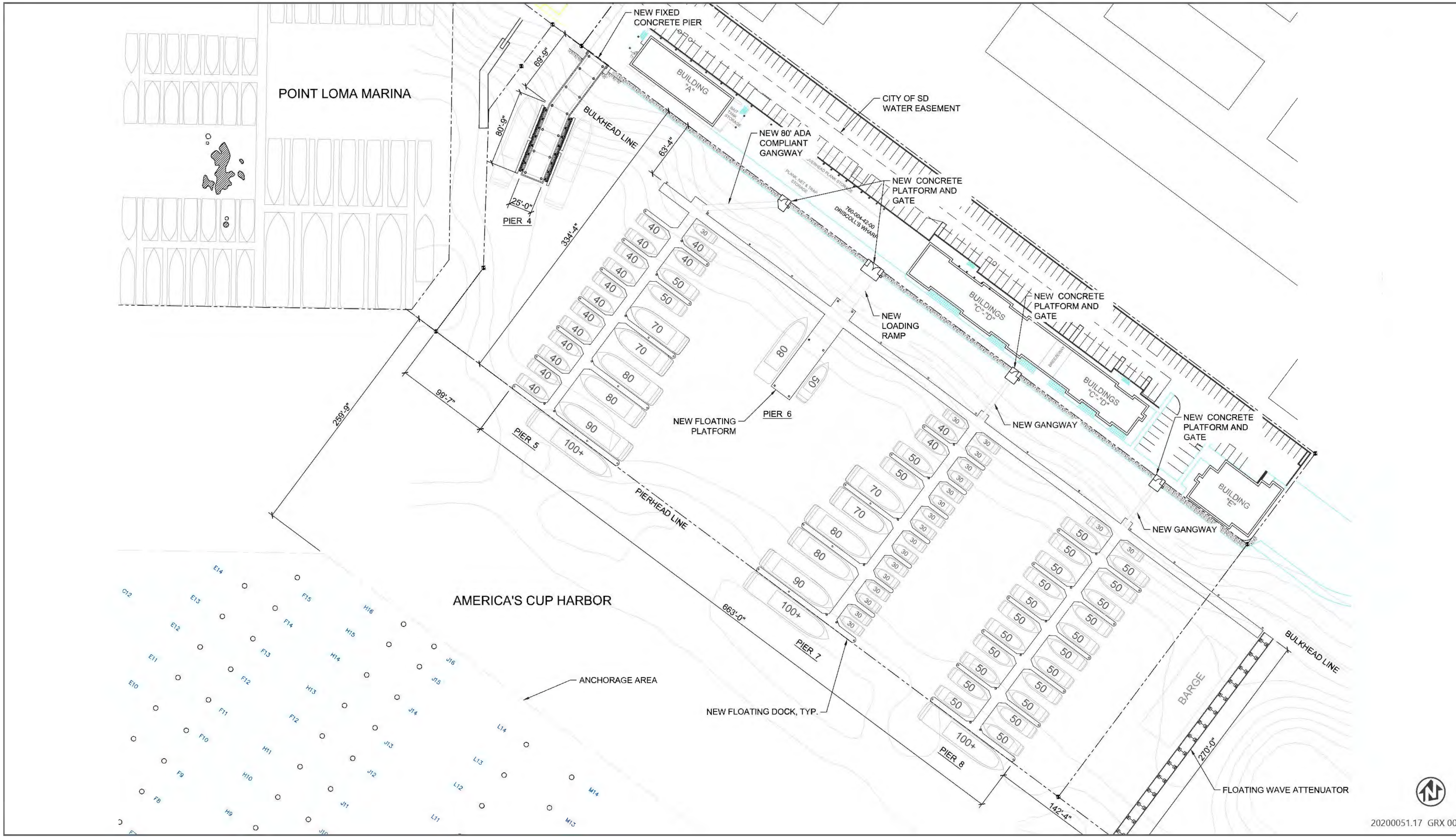


Figure 3 Proposed Site Plan for Waterside Development Component

Appendix B

Comments Received
During EIR Scoping Period

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento, California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

NATIVE AMERICAN HERITAGE COMMISSION

December 31, 2024

Lily Tsukayama
San Diego Unified Port District
3165 Pacific Highway
San Diego CA 92101

Re: 2024120926 Shelter Island Commercial Fishing Wharf Project, San Diego County

Dear Ms. Tsukayama:

The Native American Heritage Commission (NAHC) has received the Notice of Preparation (NOP), Draft Environmental Impact Report (DEIR) or Early Consultation for the project referenced above. The California Environmental Quality Act (CEQA) (Pub. Resources Code §21000 et seq.), specifically Public Resources Code §21084.1, states that a project that may cause a substantial adverse change in the significance of a historical resource, is a project that may have a significant effect on the environment. (Pub. Resources Code § 21084.1; Cal. Code Regs., tit.14, §15064.5 (b) (CEQA Guidelines §15064.5 (b)). If there is substantial evidence, in light of the whole record before a lead agency, that a project may have a significant effect on the environment, an Environmental Impact Report (EIR) shall be prepared. (Pub. Resources Code §21080 (d); Cal. Code Regs., tit. 14, § 5064 subd.(a)(1) (CEQA Guidelines §15064 (a)(1)). In order to determine whether a project will cause a substantial adverse change in the significance of a historical resource, a lead agency will need to determine whether there are historical resources within the area of potential effect (APE).

CEQA was amended significantly in 2014. Assembly Bill 52 (Gatto, Chapter 532, Statutes of 2014) (AB 52) amended CEQA to create a separate category of cultural resources, "tribal cultural resources" (Pub. Resources Code §21074) and provides that a project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment. (Pub. Resources Code §21084.2). Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource. (Pub. Resources Code §21084.3 (a)). **AB 52 applies to any project for which a notice of preparation, a notice of negative declaration, or a mitigated negative declaration is filed on or after July 1, 2015.** If your project involves the adoption of or amendment to a general plan or a specific plan, or the designation or proposed designation of open space, on or after March 1, 2005, it may also be subject to Senate Bill 18 (Burton, Chapter 905, Statutes of 2004) (SB 18). **Both SB 18 and AB 52 have tribal consultation requirements**. If your project is also subject to the federal National Environmental Policy Act (42 U.S.C. § 4321 et seq.) (NEPA), the tribal consultation requirements of Section 106 of the National Historic Preservation Act of 1966 (154 U.S.C. 300101, 36 C.F.R. §800 et seq.) may also apply.

The NAHC recommends consultation with California Native American tribes that are traditionally and culturally affiliated with the geographic area of your proposed project as early as possible in order to avoid inadvertent discoveries of Native American human remains and best protect tribal cultural resources. Below is a brief summary of portions of AB 52 and SB 18 as well as the NAHC's recommendations for conducting cultural resources assessments.

Consult your legal counsel about compliance with AB 52 and SB 18 as well as compliance with any other applicable laws.

AB 52

AB 52 has added to CEQA the additional requirements listed below, along with many other requirements:

1. Fourteen Day Period to Provide Notice of Completion of an Application/Decision to Undertake a Project: Within fourteen (14) days of determining that an application for a project is complete or of a decision by a public agency to undertake a project, a lead agency shall provide formal notification to a designated contact of, or tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, to be accomplished by at least one written notice that includes:

- **a.** A brief description of the project.
- **b.** The lead agency contact information.
- **c.** Notification that the California Native American tribe has 30 days to request consultation. (Pub. Resources Code §21080.3.1 (d)).
- **d.** A "California Native American tribe" is defined as a Native American tribe located in California that is on the contact list maintained by the NAHC for the purposes of Chapter 905 of Statutes of 2004 (SB 18). (Pub. Resources Code §21073).

2. Begin Consultation Within 30 Days of Receiving a Tribe's Request for Consultation and Before Releasing a Negative Declaration, Mitigated Negative Declaration, or Environmental Impact Report: A lead agency shall begin the consultation process within 30 days of receiving a request for consultation from a California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed project. (Pub. Resources Code §21080.3.1, subds. (d) and (e)) and prior to the release of a negative declaration, mitigated negative declaration or Environmental Impact Report. (Pub. Resources Code §21080.3.1(b)).

- **a.** For purposes of AB 52, "consultation shall have the same meaning as provided in Gov. Code §65352.4 (SB 18). (Pub. Resources Code §21080.3.1 (b)).

3. Mandatory Topics of Consultation If Requested by a Tribe: The following topics of consultation, if a tribe requests to discuss them, are mandatory topics of consultation:

- **a.** Alternatives to the project.
- **b.** Recommended mitigation measures.
- **c.** Significant effects. (Pub. Resources Code §21080.3.2 (a)).

4. Discretionary Topics of Consultation: The following topics are discretionary topics of consultation:

- **a.** Type of environmental review necessary.
- **b.** Significance of the tribal cultural resources.
- **c.** Significance of the project's impacts on tribal cultural resources.
- **d.** If necessary, project alternatives or appropriate measures for preservation or mitigation that the tribe may recommend to the lead agency. (Pub. Resources Code §21080.3.2 (a)).

5. Confidentiality of Information Submitted by a Tribe During the Environmental Review Process: With some exceptions, any information, including but not limited to, the location, description, and use of tribal cultural resources submitted by a California Native American tribe during the environmental review process shall not be included in the environmental document or otherwise disclosed by the lead agency or any other public agency to the public, consistent with Government Code §6254 (r) and §6254.10. Any information submitted by a California Native American tribe during the consultation or environmental review process shall be published in a confidential appendix to the environmental document unless the tribe that provided the information consents, in writing, to the disclosure of some or all of the information to the public. (Pub. Resources Code §21082.3 (c)(1)).

6. Discussion of Impacts to Tribal Cultural Resources in the Environmental Document: If a project may have a significant impact on a tribal cultural resource, the lead agency's environmental document shall discuss both of the following:

- **a.** Whether the proposed project has a significant impact on an identified tribal cultural resource.
- **b.** Whether feasible alternatives or mitigation measures, including those measures that may be agreed to pursuant to Public Resources Code §21082.3, subdivision (a), avoid or substantially lessen the impact on the identified tribal cultural resource. (Pub. Resources Code §21082.3 (b)).

7. Conclusion of Consultation: Consultation with a tribe shall be considered concluded when either of the following occurs:

a. The parties agree to measures to mitigate or avoid a significant effect, if a significant effect exists, on a tribal cultural resource; or

b. A party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached. (Pub. Resources Code §21080.3.2 (b)).

8. Recommending Mitigation Measures Agreed Upon in Consultation in the Environmental Document: Any mitigation measures agreed upon in the consultation conducted pursuant to Public Resources Code §21080.3.2 shall be recommended for inclusion in the environmental document and in an adopted mitigation monitoring and reporting program, if determined to avoid or lessen the impact pursuant to Public Resources Code §21082.3, subdivision (b), paragraph 2, and shall be fully enforceable. (Pub. Resources Code §21082.3 (a)).

9. Required Consideration of Feasible Mitigation: If mitigation measures recommended by the staff of the lead agency as a result of the consultation process are not included in the environmental document or if there are no agreed upon mitigation measures at the conclusion of consultation, or if consultation does not occur, and if substantial evidence demonstrates that a project will cause a significant effect to a tribal cultural resource, the lead agency shall consider feasible mitigation pursuant to Public Resources Code §21084.3 (b). (Pub. Resources Code §21082.3 (e)).

10. Examples of Mitigation Measures That, If Feasible, May Be Considered to Avoid or Minimize Significant Adverse Impacts to Tribal Cultural Resources:

a. Avoidance and preservation of the resources in place, including, but not limited to:

i. Planning and construction to avoid the resources and protect the cultural and natural context.

ii. Planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria.

b. Treating the resource with culturally appropriate dignity, taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following:

i. Protecting the cultural character and integrity of the resource.

ii. Protecting the traditional use of the resource.

iii. Protecting the confidentiality of the resource.

c. Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places.

d. Protecting the resource. (Pub. Resource Code §21084.3 (b)).

e. Please note that a federally recognized California Native American tribe or a non-federally recognized California Native American tribe that is on the contact list maintained by the NAHC to protect a California prehistoric, archaeological, cultural, spiritual, or ceremonial place may acquire and hold conservation easements if the conservation easement is voluntarily conveyed. (Civ. Code §815.3 (c)).

f. Please note that it is the policy of the state that Native American remains and associated grave artifacts shall be repatriated. (Pub. Resources Code §5097.991).

11. Prerequisites for Certifying an Environmental Impact Report or Adopting a Mitigated Negative Declaration or Negative Declaration with a Significant Impact on an Identified Tribal Cultural Resource: An Environmental Impact Report may not be certified, nor may a mitigated negative declaration or a negative declaration be adopted unless one of the following occurs:

a. The consultation process between the tribes and the lead agency has occurred as provided in Public Resources Code §21080.3.1 and §21080.3.2 and concluded pursuant to Public Resources Code §21080.3.2.

b. The tribe that requested consultation failed to provide comments to the lead agency or otherwise failed to engage in the consultation process.

c. The lead agency provided notice of the project to the tribe in compliance with Public Resources Code §21080.3.1 (d) and the tribe failed to request consultation within 30 days. (Pub. Resources Code §21082.3 (d)).

The NAHC's PowerPoint presentation titled, "Tribal Consultation Under AB 52: Requirements and Best Practices" may be found online at: http://nahc.ca.gov/wp-content/uploads/2015/10/AB52TribalConsultation_CalEPAPDF.pdf

SB 18

SB 18 applies to local governments and requires local governments to contact, provide notice to, refer plans to, and consult with tribes prior to the adoption or amendment of a general plan or a specific plan, or the designation of open space. (Gov. Code §65352.3). Local governments should consult the Governor's Office of Planning and Research's "Tribal Consultation Guidelines," which can be found online at: https://www.opr.ca.gov/docs/09_14_05_Updated_Guidelines_922.pdf.

Some of SB 18's provisions include:

1. Tribal Consultation: If a local government considers a proposal to adopt or amend a general plan or a specific plan, or to designate open space it is required to contact the appropriate tribes identified by the NAHC by requesting a "Tribal Consultation List." If a tribe, once contacted, requests consultation the local government must consult with the tribe on the plan proposal. **A tribe has 90 days from the date of receipt of notification to request consultation unless a shorter timeframe has been agreed to by the tribe.** (Gov. Code §65352.3 (a)(2)).
2. No Statutory Time Limit on SB 18 Tribal Consultation. There is no statutory time limit on SB 18 tribal consultation.
3. Confidentiality: Consistent with the guidelines developed and adopted by the Office of Planning and Research pursuant to Gov. Code §65040.2, the city or county shall protect the confidentiality of the information concerning the specific identity, location, character, and use of places, features and objects described in Public Resources Code §5097.9 and §5097.993 that are within the city's or county's jurisdiction. (Gov. Code §65352.3 (b)).
4. Conclusion of SB 18 Tribal Consultation: Consultation should be concluded at the point in which:
    - **a.** The parties to the consultation come to a mutual agreement concerning the appropriate measures for preservation or mitigation; or
    - **b.** Either the local government or the tribe, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached concerning the appropriate measures of preservation or mitigation. (Tribal Consultation Guidelines, Governor's Office of Planning and Research (2005) at p. 18).

Agencies should be aware that neither AB 52 nor SB 18 precludes agencies from initiating tribal consultation with tribes that are traditionally and culturally affiliated with their jurisdictions before the timeframes provided in AB 52 and SB 18. For that reason, we urge you to continue to request Native American Tribal Contact Lists and "Sacred Lands File" searches from the NAHC. The request forms can be found online at: http://nahc.ca.gov/resources/forms/.

NAHC Recommendations for Cultural Resources Assessments

To adequately assess the existence and significance of tribal cultural resources and plan for avoidance, preservation in place, or barring both, mitigation of project-related impacts to tribal cultural resources, the NAHC recommends the following actions:

1. Contact the appropriate regional California Historical Research Information System (CHRIS) Center (https://ohp.parks.ca.gov/?page_id=30331) for an archaeological records search. The records search will determine:
    - **a.** If part or all of the APE has been previously surveyed for cultural resources.
    - **b.** If any known cultural resources have already been recorded on or adjacent to the APE.
    - **c.** If the probability is low, moderate, or high that cultural resources are located in the APE.
    - **d.** If a survey is required to determine whether previously unrecorded cultural resources are present.

2. If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.
    - **a.** The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum and not be made available for public disclosure.
    - **b.** The final written report should be submitted within 3 months after work has been completed to the appropriate regional CHRIS center.

3. Contact the NAHC for:

a. A Sacred Lands File search. Remember that tribes do not always record their sacred sites in the Sacred Lands File, nor are they required to do so. A Sacred Lands File search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with the geographic area of the project's APE.

b. A Native American Tribal Consultation List of appropriate tribes for consultation concerning the project site and to assist in planning for avoidance, preservation in place, or, failing both, mitigation measures.

4. Remember that the lack of surface evidence of archaeological resources (including tribal cultural resources) does not preclude their subsurface existence.

a. Lead agencies should include in their mitigation and monitoring reporting program plan provisions for the identification and evaluation of inadvertently discovered archaeological resources per Cal. Code Regs., tit. 14, §15064.5(f) (CEQA Guidelines §15064.5(f)). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American with knowledge of cultural resources should monitor all ground-disturbing activities.

b. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the disposition of recovered cultural items that are not burial associated in consultation with culturally affiliated Native Americans.

c. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the treatment and disposition of inadvertently discovered Native American human remains. Health and Safety Code §7050.5, Public Resources Code §5097.98, and Cal. Code Regs., tit. 14, §15064.5, subdivisions (d) and (e) (CEQA Guidelines §15064.5, subds. (d) and (e)) address the processes to be followed in the event of an inadvertent discovery of any Native American human remains and associated grave goods in a location other than a dedicated cemetery.

If you have any questions or need additional information, please contact me at my email address: Andrew.Green@NAHC.ca.gov.

Sincerely,

Andrew Green

Andrew Green
Cultural Resources Analyst

cc: State Clearinghouse

Lily Tsukayama

From:	Luther, Eric <Eric.Luther@sdapcd.org>
Sent:	Tuesday, January 14, 2025 2:54 PM
To:	Lily Tsukayama
Subject:	RE: NOP & Upcoming Scoping Meeting - EIR for the Shelter Island Commercial Fishing Wharf

You don't often get email from eric.luther@sdapcd.org. Learn why this is important

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Lily,

I just wanted to pass along the potential for facility owners/operators to install shore power per the California Air Resources Board (CARB) Commercial Harbor Craft regulation. A copy of the regulation can be found here: https://ww2.arb.ca.gov/sites/default/files/barcu/regact/2021/chc2021/chcfro.pdf

Thanks,

Eric Luther
Supervising Air Resources Specialist
San Diego Air Pollution Control District
Eric.Luther@sdapcd.org

From: Lily Tsukayama <ltsukayama@portofsandiego.org>
Sent: Thursday, December 19, 2024 9:04 AM
Cc: Lily Tsukayama <ltsukayama@portofsandiego.org>
Subject: [External] NOP & Upcoming Scoping Meeting - EIR for the Shelter Island Commercial Fishing Wharf

To All Interested Parties,

Notice is hereby given that the San Diego Unified Port District (SDUPD), as lead agency under the California Environmental Quality Act (CEQA), has prepared a Notice of Preparation (NOP) of a Draft Environmental Impact Report (EIR) for the "**Shelter Island Commercial Fishing Wharf**." The NOP is available for a public review period that ends at **5:00 pm on Friday, January 24, 2025**. Comments regarding the scope and content of the environmental information that should be included in the EIR and other environmental concerns should be sent via email or mail, as follows:

Email
ltsukayama@portofsandiego.org

Mail
San Diego Unified Port District
Planning Dept, c/o Lily Tsukayama
3165 Pacific Highway
San Diego, CA 92101

The NOP, which includes an Initial Study, is attached to this email and also available for download by clicking this link, or copying and pasting the link into your internet browser: https://www.portofsandiego.org/public-records/port-updates/notices-disclosures/ceqacoastal-act-notices *[NOTE: the file available online has a larger file size and better resolution than the file attached to this email.]*

A **public scoping meeting** to solicit comments on the scope and content of the EIR **will be held via Microsoft Teams on Wednesday, January 15, 2025, at 5:30 p.m**. Click here to join the virtual meeting on Wednesday, January 15, or contact Lily Tsukayama for the link to the virtual meeting.

Questions? Please call Lily Tsukayama at (619) 686-6199.

Thank you,
Lily

Lily Tsukayama (she/her/hers)
Program Manager, Planning & Environment

3165 Pacific Highway, San Diego, CA 92101
(o) (619) 686.8199 • (c) (619) 823.0292

PORT of SAN DIEGO

connect:

State of California – Natural Resources Agency
DEPARTMENT OF FISH AND WILDLIFE
Marine Region
1933 Cliff Drive, Suite 9
Santa Barbara, CA 93109
www.wildlife.ca.gov

January 22, 2025

Lily Tsukayama
Program Manager
San Diego Unified Port District
3165 Pacific Highway
San Diego, CA 92101
ltsukayama@portofsandiego.org

SHELTER ISLAND COMMERICIAL FISHING WHARF
NOTICE OF PREPARATION OF A DRAFT ENVIRONMENTAL IMPACT STATEMENT
SCH #2024120926

Dear Ms. Tsukayama:

The California Department of Fish and Wildlife (Department) received a Notice of Preparation (NOP) of a Draft Environmental Impact Statement (DEIR) from the San Diego Unified Port District (District) for the Shelter Island Commercial Fishing Wharf Project (Project), pursuant the California Environmental Quality Act (CEQA) and CEQA Guidelines.[1]

Thank you for the opportunity to provide comments and recommendations regarding those activities involved in the Project that may affect California fish and wildlife. Likewise, we appreciate the opportunity to provide comments regarding those aspects of the Project that the Department, by law, may be required to carry out or approve through the exercise of its own regulatory authority under the Fish and Game Code.

DEPARTMENT ROLE

The Department is California's Trustee Agency for fish and wildlife resources and holds those resources in trust by statute for all the people of the state. (Fish & G. Code, section 711.7, subd. (a) & 1802; Pub. Resources Code, section 21070; CEQA Guidelines section 15386, subd. (a).) The Department, in its trustee capacity, has jurisdiction over the conservation, protection, and management of fish, wildlife, native plants, and habitat necessary for biologically sustainable populations of those species. (*Id.*, section 1802.) Similarly for purposes of CEQA, the Department is charged by law to provide, as available, biological expertise during public agency environmental review efforts, focusing specifically on projects and related activities that have the potential to adversely affect fish and wildlife resources. The Department is also responsible for

[1] CEQA is codified in the California Public Resources Code in section 21000 et seq. The "CEQA Guidelines" are found in Title 14 of the California Code of Regulations, commencing with section 15000.

marine biodiversity protection under the Marine Life Protection Act in coastal marine waters of California, and ensuring fisheries are sustainably managed under the Marine Life Management Act.

PROJECT DESCRIPTION SUMMARY

Proponent: San Diego Unified Port District and Driscoll Marina, Ltd.

Objective: The objective of the Project is to modernize the existing commercial fishing marina at the Driscoll's Wharf leasehold area by demolishing and reconstructing parts of the marina to address deficiencies related to the age and condition of structures. The Project's demolition component would remove Piers 4, 5, 6, 7, and 8; demolish building E and a small hazardous material storage shed; and remove all soil, groundwater, and sediment contaminants from the leased premises. The Project's waterside development component includes the reconstruction and operation of Piers 4,5, 6, 7, and 8. The Project is proposing to reconstruct up to three floating dock piers (Piers 5, 7, and 8) and associated gangways and headwalks connecting the piers; construct a floating platform to replace the existing Pier 6 for vessel loading and unloading; reconstruct Pier 4 for unloading fish, seafood, and related equipment; and install a floating wave attenuator to the east of the marina which is outside of the existing leasehold.

The tenant, Driscoll Marina Ltd., is responsible for the demolition component as part of the end-of-lease obligations, except for the removal of Pier 4. The District is the project proponent for the removal of Pier 4 and for the waterside development component.

Location: The Project site is located at 4918 North Harbor Drive in San Diego, California, which is within and directly adjacent to the Driscoll's Wharf leasehold located on District property.

BIOLOGICAL SIGNIFICANCE

Discussion and Comment: San Diego Bay waters support many resident and migratory fish and special status wildlife such as seabirds, marine mammals, and sea turtles. Important marine plants such as eelgrass (*Zostera marina*) support those fish and wildlife species and may be present throughout shallow coastal environments in the Harbor. Eelgrass is important as fish nursery habitat and supports juvenile and adult fish. San Diego Bay waters also support commercially and recreationally important fish and invertebrate species such as California halibut (*Paralichthys californicus*), California spiny lobster (*Panulirus interruptus*), and the Northern anchovy (*Engraulis mordax*), which is an important forage fish.

COMMENTS AND RECOMMENDATIONS

The Department offers the comments and recommendations below to assist the District in adequately identifying and/or mitigating the Project's significant, or potentially significant, direct, and indirect impacts on fish and wildlife resources.

Native Eelgrass Impacts

Comments: The NOP notes that eelgrass is a species that is present within the Project area where pile removal and pile driving impacts may occur, and where floating docks, piers, and a floating wave attenuator may be constructed. Native eelgrass species create large beds beneficial for fish habitat and have been identified as special aquatic sites and given protections by the Clean Water Act. The Magnuson-Stevens Fishery Conservation and Management Act (MSA) identifies eelgrass as a Habitat Area of Special Concern. Additionally, the importance of eelgrass protection and restoration, as well as the marine ecological benefits of eelgrass, is identified in Pub. Resources Code section 35630. The Department uses the California Eelgrass Mitigation Policy (CEMP) (NOAA 2014, Attachment 1), developed by the National Marine Fisheries Service (NMFS), for guidance on surveying eelgrass, avoiding and minimizing impacts to eelgrass, assessing eelgrass impacts, eelgrass mitigation measures and compensation, and for identifying appropriate eelgrass mitigation and donor sites.

Recommendations: The Department recommends that plans should be developed to avoid and minimize potential impacts to eelgrass to the maximum extent feasible if eelgrass beds or patches are identified within or adjacent to the Project area. The proposed Project should be developed consistent with the CEMP to avoid and minimize disturbance, damage, and losses of eelgrass. This includes avoiding impacts to eelgrass associated with pile pulling and pile driving; construction of overwater structures; bottom disturbances; demolition and construction turbidity; sedimentation, shading, and falling debris; and shading and anchoring within eelgrass habitat associated construction barges and vessels. Additional details are in the CEMP, but the Department recommends at least the following should eelgrass beds or patches be identified within or adjacent to the Project area:

- To avoid direct eelgrass impacts, pile driver barges and vessels, and all barge anchoring should be located outside of eelgrass habitat;
- To avoid scouring of eelgrass and potential eelgrass habitat, anchor chain designs, and locations of barge and vessel moorings should avoid eelgrass habitat impacts;
- To avoid and minimize eelgrass impacts from demolition and construction debris, the District should use Best Management Practices (BMPs) such as perimeter debris booms. If debris is observed falling into the San Diego Bay water, retrieve debris as soon as possible; and

- To minimize eelgrass impacts from water turbidity and sedimentation, install silt curtains around pile driving or demolition areas if applicable. Restrict the turbidity plumes to the smallest possible area during all phases of in water construction.

Comprehensive pre-construction surveys, for eelgrass beds or patches should be conducted consistent with the CEMP. Additionally, post-construction eelgrass surveys should be conducted consistent with the CEMP if eelgrass is identified in the Project area. If any unavoidable eelgrass impacts occur, these impacts should be mitigated for using guidance described within the CEMP. Indirect eelgrass impacts such as shading from new piles or overwater structures should also be avoided. Pile driving work conducted outside of the peak eelgrass growing period may reduce shading impacts when eelgrass beds may have died back. Consequently, pile location and time of year for pile driving should be considered to avoid impacts to eelgrass and other fish and wildlife generated by pile driving.

If eelgrass harvest and transplanting is required for mitigation, a Scientific Collecting Permit (SCP) from the Department will be required prior to harvest and transplanting activities. The SCP may include permit conditions such as donor eelgrass surveys, submittal of an eelgrass harvest and transplant plan, limits on number of turions collected, methods for collection and transplanting, notification of activities, and reporting requirements. Please visit the Department's SCP webpage for more information: https://wildlife.ca.gov/Licensing/Scientific-Collecting.

Pile Driving and Sound Criteria

Comments: According to the NOP, the Project's construction would involve the use of impact and/or vibratory pile driving. Underwater noise associated with pile driving and pulling activities may cause temporary or permanent impacts to fish, such as temporary movement out of the Project area, barotrauma injury, or mortality. The Department relies on guidance from the Fisheries Hydroacoustic Working Group to set safe sound pressure level (SPL) criteria for pile driving and pulling activities (Fisheries Hydroacoustic Working Group 2008, Attachment 2). The SPL dual criteria include a peak level of 206 dB and a cumulative sound exposure (SEL) level of 187 dB for fish 2 grams and heavier or a cumulative SEL of 183 dB for fish less than 2 grams. Additionally, if hydraulic jetting or an impact hammer is used for pile driving, this may impact water quality, releasing contaminants from sediments into the water and/or creating turbidity that could harm fish and shade or smother eelgrass beds.

Recommendations: The Department recommends using a vibratory hammer for pile driving to the greatest extent feasible, or an alternative technology that produces the least amount of noise. If an impact hammer must be used (e.g., due to pile material, refusal at bedrock), multiple minimization measures may be used to reduce sound levels. The Department recommends the following:

- A sound attenuation and monitoring plan should be submitted to the resource agencies for review prior to initiating pile driving activities;

- A wood, or similar material, cushion block should be used between the pile and hammer during all pile driving using an impact hammer;
- A bubble curtain should be used, where feasible, during all impact pile driving to further reduce sound below levels that have been shown to cause injury and/or mortality to fish and marine mammals; and
- Underwater sound level monitoring should be conducted during pile driving. If SPLs and SELs exceed agreed upon levels as per the Interim Criteria for Injury to Fish, additional steps should be taken to reduce the underwater noise to acceptable levels.

The Department recommends the use of a silt curtain to control turbidity during high turbidity generating activities. Additionally, high turbidity generating activities should be conducted when there are no strong outgoing tides since this could exacerbate turbid conditions and negatively impact marine life.

Marine Mammal and Sea Turtle Monitoring

Comments: Harbor seals (*Phoca vitulina*), California sea lions (*Zalophus californianus*), other species of marine mammals, and sea turtles may be present or occur within the Project area. Construction activities, such as pile driving, within the Project area have the potential to impact these animals if they are present.

Recommendations: The Department recommends that the District prepare and implement a marine mammal and sea turtle monitoring plan that includes, but is not limited to:

- Establishment of an underwater exclusion zone as a designated focus area for species protection to allow animals to evacuate the area prior to commencement of construction activities;
- Pile driving activities should not occur while marine mammals or sea turtles are present within the exclusion zone;
- Pre-construction monitoring to update the occurrence and use of the area by marine mammals and turtles; and
- Monitoring of marine mammals and sea turtles by an experienced observer immediately prior to and during all construction activities.

The Department recommends that the District consult with NMFS regarding the above recommendation and any other necessary avoidance and mitigation measures to reduce impacts to marine mammals and sea turtles.

Floating Debris and Spill and Prevention Plan

Comments: The Project's proposed demolition activities have the potential to generate debris and cause material spills that may pollute the Project site's surrounding waters and impact important marine species and habitats.

Recommendation: The Department recommends that the District place a drop net over the waterway to catch debris during demolition construction activities. The collected debris should be removed as soon as possible and disposed of in an appropriate least impactful manner. The Department recommends that the District prepares and implements a spill and prevention plan to minimize and/or prevent discharge of spilled material at the Project site. This plan should include measures to prevent and control spills, contain the spill, clean the spill, and dispose of contaminated materials.

Invasive Species Impacts

Comments: Disturbance of the bottom sediments from pile construction and anchoring may redistribute non-native species that compete with native species. This could cause widespread adverse impacts to eelgrass and marine ecology. The invasive alga *Caulerpa taxifolia* is listed as a federal noxious weed under the U.S. Plant Protection Act and while deemed eradicated in 2006 is monitored for potential future emergence. Another invasive alga species found recently in Newport Bay and San Diego Bay is *Caulerpa prolifera*, which is also a potential threat to growth and expansion of native eelgrass beds and other native algae. *Caulerpa prolifera* can grow as deep as 50 meters and appears to be more tolerant of low light environments than most other macroalgae. Additionally, since all *Caulerpa* species pose a serious risk in harming native marine life, Fish and Game Code Section 2300 was amended in 2023 so that no person shall sell, possess, import, transport, transfer, release alive in the state, or give away without consideration all species of the genus *Caulerpa*, with the exception of bona fide scientific research upon authorization by the Department.

Recommendations: The Department recommends conducting pre-construction *Caulerpa spp.* surveys to identify potential existence of invasive *Caulerpa spp.* in accordance with the Caulerpa Control Protocol https://media.fisheries.noaa.gov/2021-12/caulerpa-control-protocol-v5.pdf (October 2021). Any sightings of *Caulerpa spp.* should be reported within 24 hours to the Department (Caulerpa@wildlife.ca.gov), and NMFS at 562-980-4037 (nmfs.wcr.caulerpa@noaa.gov).

ENVIRONMENTAL DATA

CEQA requires that information developed in environmental impact reports and negative declarations be incorporated into a database which may be used to make subsequent or supplemental environmental determinations. (Pub. Resources Code, section 21003, subd. (e).) Accordingly, please report any special status species and natural communities detected during Project surveys to the California Natural Diversity Database (CNDDB). The CNNDB field survey form can be filled out and submitted online at the following link: https://wildlife.ca.gov/Data/CNDDB/Submitting-Data. The types of information reported to CNDDB can be found at the following link: https://www.wildlife.ca.gov/Data/CNDDB/Plants-and-Animals.

ENVIRONMENTAL DOCUMENT FILING FEES

The Project, as proposed, would have an impact on fish and/or wildlife, and assessment of environmental document filing fees is necessary. Fees are payable upon filing of the Notice of Determination by the Lead Agency and serve to help defray the cost of environmental review by the Department. Payment of the environmental document filing fee is required for the underlying project approval to be operative, vested, and final. (Cal. Code Regs, tit. 14, section 753.5; Fish & G. Code, section 711.4; Pub. Resources Code, section 21089.)

CONCLUSION

The Department appreciates the opportunity to comment on the NOP to assist the District in identifying and mitigating Project impacts on biological resources. Questions regarding this letter or further coordination should be directed to Leslie Hart, Environmental Scientist at R7CEQA@wildlife.ca.gov.

Sincerely,

Craig Shuman, D. Env
Marine Regional Manager

ec: Claire Waggoner, Program Manager
Department of Fish and Wildlife

Eric Wilkins, Senior Environmental Scientist
Department of Fish and Wildlife

Leslie Hart, Environmental Scientist
Department of Fish and Wildlife

Office of Planning and Research, State Clearinghouse
state.clearinghouse@opr.ca.gov

ATTACHMENTS

Attachment 1: NMFS. 2014. California Eelgrass Mitigation Policy, National Marine Fisheries Service.

Attachment 2: Fisheries Hydroacoustic Working Group. 2008. Interim Criteria for Injury of Fish Exposed to Pile Driving Operations: Memorandum. Washington: Federal Highway Administration.

NOAA FISHERIES
West Coast Region

California Eelgrass Mitigation Policy and Implementing Guidelines

October 2014

Photo credit: www.Lorenz-Avelar.com

Table of Contents

I. National Marine Fisheries Service's (NMFS) California Eelgrass Mitigation Policy

A. Policy Statement

It is NMFS' policy to recommend **no net loss of eelgrass habitat function** in California.

For all of California, compensatory mitigation should be recommended for the loss of existing eelgrass habitat function, but only after avoidance and minimization of effects to eelgrass have been pursued to the maximum extent practicable. Our approach is congruous with the approach taken in the federal Clean Water Act guidelines under section 404(b)(1) (40 CFR 230). In absence of a complete functional assessment, eelgrass distribution and density should serve as a proxy for eelgrass habitat function. Compensatory mitigation options include comprehensive management plans, in-kind mitigation, mitigation banks and in-lieu-fee programs, and out-of-kind mitigation. While in-kind mitigation is preferred, the most appropriate form of compensatory mitigation should be determined on a case-by-case basis.

Further, it is the intent of this policy to ensure that there is no loss associated with delays in establishing compensatory mitigation. This should be accomplished by creating a greater amount of eelgrass than is lost, if the mitigation is performed contemporaneously or after the impacts occur. To achieve this, NMFS, in most instances, should recommend compensatory mitigation for vegetated and unvegetated eelgrass habitat be successfully completed at a ratio of at least 1.2:1 mitigation area to impact area. This ratio is based on present value calculation[1] using a discount rate of 0.03 (NOAA-DARP 1999). This ratio assumes that restored eelgrass habitat achieves habitat function comparable to existing eelgrass habitat within a period of three years or less (Hoffman 1986, Evans & Short 2005, Fonseca *et al.* 1990).

For ongoing projects, once mitigation has been successfully implemented to compensate for the loss of eelgrass habitat function within a specified footprint, NMFS should not recommend additional mitigation for subsequent loss of eelgrass habitat if 1) ongoing project activities result in subsequent loss of eelgrass habitat function within the same footprint for which mitigation was completed and 2) the project applicant can document that no new area of eelgrass habitat is impacted by project activities.

This policy does not address mitigation for potential eelgrass habitat. NMFS recognizes impacts to potential eelgrass habitat may preclude eelgrass movement or expansion to suitable unvegetated areas in the future, potentially resulting in declines in eelgrass abundance over time. In addition, it does not address other shallow water habitats. Regulatory protections in the estuarine/marine realm typically focus on wetlands and submerged aquatic vegetation. Mudflats, sandflats, and other superficially bare habitats do not garner the same degree of recognition and

---

[1] Present Value (PV) is a calculation used in finance to determine the present day value of an amount that is received at a future date. The premise of the equation is that receiving something today is worth more than receiving the same item at a future date; $PV = C_1/(1+r)^n$ where C_1= resource at period 1, r= interest or discount rate, n=number of periods.

concern, even though these are some of the most productive and fragile ecosystems (Reilly *et al*. 1999). NMFS will continue to collaborate with federal and state partners on these issues.

B. Eelgrass Background and Information

Eelgrass species (*Zostera marina* L. and *Z. pacifica*) are seagrasses that occur in the temperate unconsolidated substrate of shallow coastal environments, enclosed bays, and estuaries. Eelgrass is a highly productive species and is considered to be a "foundation" or habitat forming species. Eelgrass contributes to ecosystem functions at multiple levels as a primary and secondary producer, as a habitat structuring element, as a substrate for epiphytes and epifauna, and as sediment stabilizer and nutrient cycling facilitator. Eelgrass provides important foraging areas and shelter to young fish and invertebrates, food for migratory waterfowl and sea turtles, and spawning surfaces for invertebrates and fish such as the Pacific herring. Eelgrass also provides a significant source of carbon to the detrital pool which provides important organic matter in sometimes food-limited environments (*e.g.*, submarine canyons). In addition, eelgrass has the capacity to sequester carbon in the underlying sediments and may help offset carbon emissions. Given the significance and diversity of the functions and services provided by seagrass, Costanza *et al.* (2007) determined seagrass ecosystems to be one of Earth's most valuable.

California supports dynamic eelgrass habitats that range in extent from less than 11,000 acres to possibly as much as 15,000 acres statewide. This is inclusive of estimates for poorly documented beds in smaller coastal systems as well as open coastal and insular areas. While among the most productive of habitats, the overall low statewide abundance makes eelgrass one of the rarest habitats in California. Collectively just five systems, Humboldt Bay, San Francisco Bay, San Diego Bay, Mission Bay and Tomales Bay support over 80 percent of the known eelgrass in the state. The uneven distribution of eelgrass resources increases the risk to this habitat and also contributes to its dynamic nature. Further, the narrow depth range within which eelgrass can occur further places this habitat at risk in the face of global climate change and sea level rise predictions.

Seagrass habitat has been lost from temperate estuaries worldwide (Duarte 2002, Lotze *et al.* 2006, Orth *et al.* 2006). While both natural and human-induced mechanisms have contributed to these losses, impacts from human population expansion and associated pollution and upland development is the primary cause (Short and Wyllie-Echeverria 1996). Human activities that affect eelgrass habitat distribution and abundance, including, but not limited to, urban development, harbor development, aquaculture, agricultural runoff, effluent discharges, and upland land use associated sediment discharge (Duarte 2008) occur throughout California. For example, dredging and filling; shading and alteration of circulation patterns; and watershed inputs of sediment, nutrients, and unnaturally concentrated or directed freshwater flows can directly and indirectly destroy eelgrass habitats. Conversely, in many areas great strides have been made at restoring water quality and expanding eelgrass resources through directed efforts at environmental improvements and resource enhancement. While improvements in eelgrass management have occurred overall, the importance of eelgrass both ecologically and economically, coupled with ongoing human pressure and potentially increasing degradation and losses associated with climate change, highlight the need to protect, maintain, and where feasible, enhance eelgrass habitat.

C. Purpose and Need for Eelgrass Mitigation Policy

Eelgrass warrants a strong protection strategy because of the important biological, physical, and economic values it provides, as well as its importance to managed species under the Magnuson-Stevens Fishery Conservation and Management Act (MSA). Vegetated shallows that support eelgrass are also considered special aquatic sites under the 404(b)(1) guidelines of the Clean Water Act (40 C.F.R. § 230.43). The National Oceanic and Atmospheric Administration's (NOAA) National Marine Fisheries Service (NMFS) developed this policy to establish and support a goal of protecting this resource and its habitat functions, including spatial coverage and density of eelgrass habitats. This NMFS policy and implementing guidelines are being shared with agencies and the public to ensure there is a clear and transparent process for developing eelgrass mitigation recommendations.

Pursuant to the MSA, eelgrass is designated as an essential fish habitat (EFH) habitat area of particular concern (HAPC) for various federally-managed fish species within the Pacific Coast Groundfish Fishery Management Plan (FMP) (PFMC 2008). An HAPC is a subset of EFH that is rare, particularly susceptible to human-induced degradation, especially ecologically important, and/or located in an environmentally stressed area. HAPC designations are used to provide additional focus for conservation efforts.

This policy and guidelines support but do not expand upon existing NMFS authorities under the MSA, the Fish and Wildlife Coordination Act (FWCA), and the National Environmental Policy Act (NEPA). Pursuant to the EFH provisions of the MSA, FWCA, and obligations under the NEPA as a responsible agency, NMFS annually reviews and provides recommendations on numerous actions that may affect eelgrass resources throughout California. Section 305(b)(1)(D) of the MSA requires NMFS to coordinate with, and provide information to, other federal agencies regarding the conservation and enhancement of EFH. Section 305(b)(2) requires all federal agencies to consult with NMFS on all actions or proposed actions authorized, funded, or undertaken by the agency that may adversely affect EFH. Under section 305(b)(4) of the MSA, NMFS is required to provide EFH Conservation Recommendations to federal and state agencies for actions that would adversely affect EFH (50 C.F.R. § 600.925). NMFS makes its recommendations with the goal of avoiding, minimizing, or otherwise compensating for adverse effects to EFH. When impacts to NMFS trust resources are unavoidable, NMFS may recommend compensatory mitigation to offset those impacts. In order to fulfill its consultative role, NMFS may also recommend, among other things, the development of mitigation plans, habitat distribution maps, surveys and survey reports, progress milestones, monitoring programs, and reports verifying the completion of mitigation activities.

Eelgrass impact management and mitigation throughout California has historically been undertaken without a statewide strategy. Federal actions with impacts to eelgrass require considerable NMFS staff time for project review, coordination and development of conservation recommendations. As federal staff resources vary with budgets, and threats to aquatic resources remain steady or increase, regulatory streamlining and increased efficiency are crucial for continued protection of important coastal habitats, including eelgrass. The California Eelgrass Mitigation Policy (CEMP) is meant to increase efficiency of existing regulatory authorities in a programmatic manner, provide transparency to federal agencies and action proponents, and ensure that unavoidable impacts to eelgrass habitat are fully and appropriately mitigated. It is the intent of NMFS to collaborate with other federal, state, and local agencies charged with the protection of marine resources to seek a unified approach to actions affecting eelgrass such that consistency across agencies with respect to this resource may be enhanced.

D. Relevance to Other Federal and State Policies

Based on our understanding of existing federal and state policies regarding aquatic resource conservation, the CEMP does not conflict with existing policies and complements the federal and state wetland policies as described below. NMFS does not intend to make any recommendations, which, if adopted by the action agency and carried out, would violate other federal, state, or local laws. The CEMP also complements the NOAA Aquaculture Policy and National Shellfish Initiative and builds upon the NOAA Seagrass Conservation Guidelines and the Southern California Eelgrass Mitigation Policy.

1. Corps/EPA Mitigation Rule and supporting guidance

In 2008, the Environmental Protection Agency (EPA) and the U.S. Army Corps of Engineers (Corps) issued revised regulations governing compensatory mitigation for authorized impacts to wetlands, streams, and other waters of the U.S. under Section 404 of the Clean Water Act. The regulations emphasize avoiding impacts to wetlands and other water resources. For unavoidable impacts, the rule incorporates Natural Resource Council recommendations to improve planning, implementing and managing wetland replacement projects, including: science-based assessment of impacts and compensation measures, watershed assessments to drive mitigation sites and plans, measurable and enforceable ecological performance standards for evaluating mitigation projects, mitigation monitoring to document whether the mitigation employed meets ecological performance standards, and complete compensation plans. The regulations also encourage the expansion of mitigation banking and in lieu fee agreements to improve the quality and success of compensatory mitigation projects.

The NMFS policy to recommend no net loss of eelgrass function and the eelgrass mitigation guidelines offered herein align with the provisions of the EPA and Corps mitigation rule, but provide more specific recommendations on how to avoid and minimize impacts to eelgrass and how to implement eelgrass surveys, assessments, mitigation, and monitoring.

2. State of California Wetland Conservation Policies

The 1993 State of California Wetlands Conservation Policy established a framework and strategy to ensure no overall net loss and long-term gain in the quantity, quality, and permanence of wetlands acreage and values in California in a manner that fosters creativity, stewardship, and respect for private property, reduce procedural complexity in administration of state and federal wetlands conservation programs, and encourage partnerships to make landowner incentive programs and cooperative planning efforts the primary focus of wetlands conservation and restoration.

The State of California is also developing a Wetland and Riparian Area Protection Policy. The first phase of this effort was published as the "Preliminary Draft Wetland Area Protection Policy" with the purpose of protecting all waters of the State, including wetlands, from dredge and fill discharges. It includes a wetland definition and associated delineation methods, an assessment framework for collecting and reporting aquatic resource information, and requirements applicable to discharges of dredged or fill material. The draft specifies that dredge or fill projects will provide for replacement of existing beneficial uses through compensatory mitigation. The preliminary policy includes a determination that compensatory mitigation will sustain and improve the overall abundance, diversity and condition of aquatic resources in a project watershed area.

Based on the definition of wetlands included in these state wetland policies, the policies do not directly apply to subtidal eelgrass habitat, but may apply to intertidal eelgrass habitat. The NMFS policy of recommending no net loss to eelgrass habitat function and recommendations for compensatory mitigation for eelgrass impacts complement the state protection policies for wetlands.

3. NOAA Aquaculture Policy and National Shellfish Initiative

In 2011, NOAA released the National Marine Aquaculture Policy and the National Shellfish Initiative. The Policy encourages and fosters sustainable aquaculture development that provides domestic jobs, products, and services and that is in harmony with healthy, productive, and resilient marine ecosystems, compatible with other uses of the marine environment, and consistent with the National Policy for the Stewardship of the Ocean, our Coasts, and the Great Lakes (National Ocean Policy). The goal of the Initiative is to increase populations of bivalve shellfish in our nation's coastal waters—including oysters, clams, abalone, and mussels—through both sustainable commercial production and restoration activities. The Initiative supports shellfish industry jobs and business opportunities to meet the growing demand for seafood, while protecting and enhancing habitat for important commercial, recreational, and endangered and threatened species and species recovery. The Initiative also highlights improved water quality, nutrient removal, and shoreline protection as benefits from shellfish production and restoration. Both the Policy and the Initiative seek to improve interagency coordination for permitting commercial and restoration shellfish projects, as well as support research and other data collection to assess and refine conservation strategies and priorities.

The regulatory efficiencies, transparency, and compensation for impacts to eelgrass promoted by the CEMP directly support the National Aquaculture Policy statements and National Shellfish Initiative through: (1) protection of eelgrass, an important component of productive and resilient coastal ecosystems in California and habitat for wild species, and (2) improved coordination with federal partners regarding planning and permitting for commercial shellfish projects. Furthermore, research conducted under the direction of the National Shellfish Initiative could be informed by and also inform NMFS consultations regarding eelgrass impacts and mitigation in California.

4. NOAA Seagrass Conservation Guidelines

The NOAA publication, "Guidelines for the Conservation and Restoration of Seagrasses in the United States and Adjacent Waters" (1998) was developed by Mark Fonseca of NOAA's Beaufort Laboratory along with Jud Kenworthy and Gordon Thayer and was funded by NOAA's Coastal Ocean Program. The document presents an overview of seagrass conservation and restoration in the United States, discusses important issues that should be addressed in planning seagrass restoration projects, describes different planting methodologies, proposes monitoring criteria and means for evaluation success, and discusses issues faced by resource managers. The CEMP considers information presented in the Fonseca *et al*. document, but deviates in some cases in order to provide reasonable and practicable guidelines for eelgrass conservation in California.

5. Southern California Eelgrass Mitigation Policy

In southern and central California, eelgrass mitigation has been addressed in accordance with the Southern California Eelgrass Mitigation Policy applied by NMFS, US Fish & Wildlife Service, California Department of Fish and Wildlife, California Coastal Commission, US Army Corps of Engineers, and other resource and regulatory agencies since 1991, and which has generally been effective at ensuring eelgrass impacts are mitigated in most circumstances. Given the success of the Southern California Eelgrass Mitigation Policy over its 20-year history, this policy reflects an expansion of the application of the Southern California policy with minor modifications to ensure a high standard of statewide eelgrass management and protection. This policy will supersede the Southern California Eelgrass Mitigation Policy for all areas of California upon its adoption.

II. Implementing Guidelines for California

This policy and guidelines will serve as the guidance for staff and managers within NMFS for developing recommendations concerning eelgrass issues through EFH and FWCA consultations and NEPA reviews throughout California. This policy will inform NMFS's position on eelgrass issues for California in other roles as a responsible, advisory, or funding agency or trustee. In addition, this document provides guidance to assist NMFS in performing its consultative role under the statutes described above. Finally, pursuant to NMFS obligation to provide information to federal agencies under Section 305(b)(1)(D) of the MSA, this policy serves that role by providing information intended to further the conservation and enhancement of EFH. Should this policy or guidelines be inconsistent with any formally-promulgated NMFS regulations, those formally-promulgated regulations will take precedence over any inconsistent provisions of this policy.

While many of the activities impacting eelgrass are similar across California, eelgrass stressors and growth characteristics differ between southern California (U.S./Mexico border to Pt. Conception), central California (Point Conception to San Francisco Bay entrance), San Francisco Bay, and northern California (San Francisco Bay to the California/Oregon border). The amount of scientific information available to base management decisions on also differs among areas within California, with considerably more information and history with eelgrass habitat management in southern California than the other regions. Gaps in region-specific scientific information do not override the need to be protective of eelgrass habitat while relying on the best information currently available from areas within and outside of California. Although the primary orientation of this policy is toward statewide use, where indicated below, specific elements of this policy may differ between southern California, central California, northern California and San Francisco Bay.

NMFS will continue to explore the science of eelgrass habitat and improve our understanding of eelgrass habitat function, impacts, assessment techniques, and mitigation efficacy. Approximately every 5 years, NMFS intends to evaluate monitoring and survey data collected by federal agencies and action proponents per the recommendations of these guidelines. NMFS managers will determine if updates to these guidelines are appropriate based on information evaluated during the 5-year review. Updates to these guidelines and supporting technical information will be available on the NMFS website.

The information below serves as a common starting place for NMFS recommendations to achieve no net loss of eelgrass habitat function. NMFS employees should not depart from the guidelines provided herein without appropriate justification and supervisory concurrence. However, the recommendations that NMFS ultimately makes should be provided on a case-by-case basis to provide flexibility when site specific conditions dictate. In the EFH context, NMFS recommendations are provided to the action agency, which has final approval of the action; in accordance with the MSA, the action agency may take up NMFS recommendations or articulate its reasons for not following the recommendations. In the FWCA context, NMFS makes recommendations which must be considered, but the action agency is ultimately responsible for the wildlife protective measures it adopts (if any). For these reasons, neither this policy nor its implementing guidelines are to be interpreted as binding on the public.

A. Eelgrass Habitat Definition

Eelgrass distribution fluctuates and can expand, contract, disappear, and recolonize areas within suitable environments. Vegetated eelgrass areas can expand by as much as 5 meters (m) and contract by as much as 4 m annually (Donoghue 2011). Within eelgrass habitat, eelgrass is expected to fluctuate in density and patch extent based on prevailing environmental factors (*e.g.*, turbidity, freshwater flows, wave and current energy, bioturbation, temperature, etc.). To account for seagrass fluctuation, Fonseca *et al.* (1998) recommends that seagrass habitat include the vegetated areas as well as presently unvegetated spaces between seagrass patches.

In addition, there is an area of functional influence, where the habitat function provided by the vegetated cover extends out into adjacent unvegetated areas. Those functions include detrital enrichment, energy dampening and sediment trapping, primary productivity, alteration of current or wave patterns, and fish and invertebrate use, among other functions. The influence of eelgrass on the local environment can extend up to 10 m from individual eelgrass patches, with the distance being a function of the extent and density of eelgrass comprising the bed as well as local biologic, hydrographic, and bathymetric conditions (Bostrom and Bonsdorff 2000, Bostrom *et al*. 2001, Ferrell and Bell 1991, Peterson *et al*. 2004, Smith *et al.* 2008, van Houte-Howes *et al.* 2004, Webster *et al*. 1998). Detrital enrichment will generally extend laterally as well as down slope from the beds, while fish and invertebrates that utilize eelgrass beds may move away from the eelgrass core to areas around the bed margins for foraging and in response to tides or diurnal cycles (Smith *et al*. 2008).

To encompass fluctuating eelgrass distribution and functional influence around eelgrass cover, for the purposes of this policy and guidelines, eelgrass habitat is defined as areas of vegetated eelgrass cover (any eelgrass within 1 m^2 quadrat and within 1 m of another shoot) bounded by a 5 m wide perimeter of unvegetated area (See Attachment 1 for a graphical depiction of this definition). Unvegetated areas may have eelgrass shoots a distance greater than 1 m from another shoot, and may be internal as well as external to areas of vegetated cover. For isolated patches and on a case-by-case basis, it may be acceptable to include an unvegetated area boundary less than or greater than 5 m wide. The definition excludes areas of unsuitable environmental conditions such as hard bottom substrates, shaded locations, or areas that extend to depths below those supporting eelgrass. Suitable depths can vary substantially depending upon site-specific conditions. In general, eelgrass does not extend deeper than 12 feet mean lower low water (MLLW) in most protected bays and harbors in Southern California, and is more limited in Central and Northern California embayments. However, eelgrass can grow much deeper in entrance channels and offshore areas

B. Surveying Eelgrass

NMFS may recommend action agencies conduct surveys of eelgrass habitat to evaluate effects of a proposed action. Eelgrass habitat should be surveyed using visual or acoustic methods and mapping technologies and scales appropriate to the action, scale, and area of work. Surveys should document both vegetated eelgrass cover as well as unvegetated areas within eelgrass habitat (See section II.A. for definition). Assessing impacts to eelgrass habitat relies on the completion of quality surveys and mapping. As such, inferior quality of surveys and mapping (*e.g.*, completed at an inappropriate scale or using inappropriate methods) may make proper evaluation of impacts impossible, and may result in a recommendation from NMFS to re-survey and re-map project areas. Also, to account for fluctuations in eelgrass habitat due to environmental variations, a reference site(s) should be incorporated into the survey (See section V.B.4 below for more details).

1. Survey Parameters

Because eelgrass growth conditions in California vary, eelgrass mapping techniques will also vary. Diver transects or boundary mapping may be suited to very small scale mapping efforts, while aerial and/or acoustic survey with ground-truthing may be more suited to larger survey areas. Aerial and above-water visual survey methods should be employed only where the lower limit of eelgrass is clearly visible or in combination with methods that adequately inventory eelgrass in deeper waters.

The survey area should be scaled as appropriate to the size of the potential action and the potential extent and distribution of eelgrass impacts, including both direct and indirect effects. The resolution of mapping should be adequate to address the scale of effects reasonably expected to occur. For small projects, such as individual boat docks, higher mapping resolution is appropriate in order to detect actual effects to eelgrass at a scale meaningful to the project size. At larger scales, the mapping resolution may be less refined over a larger area, assuming that minor errors in mapping will balance out over the larger scale. Survey reports should provide a detailed description of the survey coverage (*e.g.*, number, location, and type of samples) and any interpolation methods used in the mapping.

While many parameters may be useful to describe eelgrass habitat condition (*e.g.*, plant biomass, leaf length, shoot:root ratios, epiphytic loading), many are labor intensive and may be impractical for resource management applications on a day-to-day basis. For this reason, four parameters have been identified for use in eelgrass habitat surveys and assessment of effects of an action on eelgrass. These parameters that should be articulated in eelgrass surveys are: 1) spatial distribution, 2) areal extent, 3) percentage of vegetated cover, and 4) the turion (shoot) density.

a) Spatial Distribution

The spatial distribution of eelgrass habitat should be delineated by a contiguous boundary around all areas of vegetated eelgrass cover extending outward a distance of 5 m, excluding gaps within the vegetated cover that have individual plants greater than 10 m from neighboring plants. Where such separations occur, either a separate area should be defined, or a gap in the area should be defined by extending a line around the void along a boundary defined by adjacent plants and including the 5 meter perimeter. The boundary of the eelgrass habitat should not extend into areas where depth, substrate, or existing structures are unsuited to supporting eelgrass habitat.

b) Aerial Extent

The eelgrass habitat aerial extent is the quantitative area (*e.g.*, square meters) of the spatial distribution boundary polygon of the eelgrass habitat. The total aerial extent should be broken down into extent of vegetated cover and extent of unvegetated habitat. Areal extent should be determined using commercially available geo-spatial analysis software. For small projects, coordinate data for polygon vertices could be entered into a spreadsheet format, and area could be calculated using simple geometry.

c) Percent Vegetated Cover

Eelgrass vegetated cover exists when one or more leaf shoots (turions) per square meter is present. The percent bottom cover within eelgrass habitat should be determined by totaling the area of vegetated eelgrass cover and dividing this by the total eelgrass habitat area. Where substantial differences in bottom cover occur across portions of the eelgrass habitat, the habitat could be subdivided into cover classes (*e.g.*, 20% cover, 50% cover, 75% cover).

d) Turion (Shoot) Density

Turion density is the mean number of eelgrass leaf shoots per square meter within mapped eelgrass vegetated cover. Turion density should be reported as a mean ± the standard deviation of replicate measurements. The number of replicate measurements (n) should be reported along with the mean and deviation. Turion densities are determined only within vegetated areas of eelgrass habitat and therefore, it is not possible to measure a turion density equal to zero. If different cover classes are used, a turion density should be determined for each cover class.

2. Eelgrass Mapping

For all actions that may directly or indirectly affect eelgrass habitat, an eelgrass habitat distribution map should be prepared on an accurate bathymetric chart with contour intervals of not greater than 1 foot (local vertical datum of MLLW). Exceptions to the detailed bathymetry could be made for small projects or for projects where detailed bathymetry may be infeasible. Unless region-specific mapping format and protocols are developed by NMFS (in which case such region-specific mapping guidance should be used), the mapping should utilize the following format and protocols:

a) Bounding Coordinates

Horizontal datum - Universal Transverse Mercator (UTM), NAD 83 meters, Zone 11 (for southern California) or Zone 10 (for central, San Francisco Bay, and northern California) is the preferred projection and datum. Another projection or datum may be used; however, the map and spatial data should include metadata that accurately defines the projection and datum.

Vertical datum - Mean Lower Low Water (MLLW), depth in feet.

b) Units

Transects, grids, or scale bars should be expressed in meters. Area measurements should be in square meters.

c) File Format

A spatial data layer compatible with readily available commercial geographic information system software producing file formats compatible with ESRI® ArcGIS software should be sent to NMFS when the area mapped supports at least 10 square meters of eelgrass. For those areas supporting less than 10 square meters of eelgrass, a table may alternatively be provided giving the vertices bounding x, y coordinates of the eelgrass areas in a spreadsheet or an ASCII file format. In addition to a spatial layer and/or table, a hard-copy map should be included with the survey report. The projection and datum should be clearly defined in the metadata and/or an associated text file.

Eelgrass maps should, at a minimum, include the following:

- A graphic scale bar, north arrow, legend, horizontal datum and vertical datum;
- A boundary illustrating the limits of the area surveyed;
- Bathymetric contours for the survey area, including both the action area(s) and reference site(s) in increments of not more than 1 foot;
- An overlay of proposed action improvements and construction limits;
- The boundary of the defined eelgrass habitat including an identification of area exclusions based on physical unsuitability to support eelgrass habitat; and

- The existing eelgrass cover within the defined eelgrass habitat at the time of the survey.

3. Survey Period

All mapping efforts should be completed during the active growth period for eelgrass (typically March through October for southern California, April through October for central California, April through October for San Francisco Bay, and May through September for northern California) and should be considered valid for a period of 60 days to ensure significant changes in eelgrass distribution and density do not occur between survey date and the project start date. The 60 day period is particularly important for eelgrass habitat survey conducted at the very beginning of the growing season, if eelgrass habitat expansion occurs as the growing season progresses. A period other than 60 days could be warranted and should be evaluated on a case-by-case basis, particularly for surveys completed in the middle of the growing season. However, when the end of the 60-day validity period falls outside of the region-specific active growth period, the survey could be considered valid until the beginning of the next active growth period. For example, a survey completed in southern California in the August-October time frame would be valid until the resumption of the active growth phase (i.e., in most instances, March 1). In some cases, NMFS and the action agency may agree to surveys being completed outside of the active growth period. For surveys completed during or after unusual climatic events (*e.g.*, high fluvial discharge periods, El Niño conditions), NMFS staff should be contacted to determine if any modifications to the common survey period are warranted.

4. Reference Site Selection

Eelgrass habitat spatial extent, aerial extent, percent cover and turion density are expected to naturally fluctuate through time in response to natural environmental variables. As a result, it is necessary to correct for natural variability when conducting surveys for the purpose of evaluating action effects on eelgrass or performance of mitigation areas. This is generally accomplished through the use of a reference site(s), which is expected to respond similarly to the action area in response to natural environmental variability. It is beneficial to select and monitor multiple reference sites rather than a single site and to utilize the average reference site condition as a metric for environmental fluctuations. This is especially true when a mitigation site is located within an area of known environmental gradients, and reference sites may be selected on both sides of the mitigation site along the gradient. Environmental conditions (*e.g.*, sediment, currents, proximity to action area, shoot density, light availability, depth, onshore and watershed influences) at the reference site(s) should be representative of the environmental conditions at the impact area (Fonseca *et al*. 1998). Where practical, the reference site(s) should be at least the size of the anticipated impact and/or mitigation area to limit the potential for minor changes in a reference site (*e.g.*, propeller scarring or ray foraging damage) overly affecting mitigation needs. The logic for site(s) selection should be documented in the eelgrass mitigation planning documents.

C. Avoiding and Minimizing Impacts to Eelgrass

This section describes measures to avoid and minimize impacts to eelgrass caused by turbidity, shading, nutrient loading, sedimentation and alteration of circulation patterns. Not all measures are equally suited to a particular project or condition. Measures to avoid or minimize impacts should be focused on stressors where the source and control are within the purview of the permittee and action agency. Action agencies in coordination with NMFS should evaluate and establish impact avoidance and minimization measures on a case-by-case basis depending on the action and site-specific information, including prevailing current patterns, sediment source, characteristics, and quantity, as well as the nature and duration of work.

1. Turbidity

To avoid and minimize potential turbidity-related impacts to eelgrass:
- Where practical, actions should be located as far as possible from existing eelgrass; and
- In-water work should occur as quickly as possible such that the duration of impacts is minimized.

Where proposed turbidity generating activities must occur in proximity to eelgrass and increased turbidity will occur at a magnitude and duration that may affect eelgrass habitat, measures to control turbidity levels should be employed when practical considering physical and biological constraints and impacts. Measures may include:
- Use of turbidity curtains where appropriate and feasible;
- Use of low impact equipment and methods (*e.g.*, environmental buckets, or a hydraulic suction dredge instead of clamshell or hopper dredge, provided the discharge may be located away from the eelgrass habitat and appropriate turbidity controls can be provided at the discharge point);
- Limiting activities by tide or day-night windows to limit light degradation within eelgrass habitat;
- Utilizing 24-hour dredging to reduce the overall duration of work and to take advantage of dredging during dark periods when photosynthesis is not occurring; or
- Other measures that an action party may propose and be able to employ to minimize potential for adverse turbidity effects to eelgrass.

NMFS developed a flowchart for a stepwise decision making process as guidance for action agencies to determine when to implement best management practices (BMPs) for minimizing turbidity from dredging actions as part of a programmatic EFH consultation in San Francisco Bay. The parameters considered in the flow chart are relevant to all marine areas of California. This document is posted on the NMFS West Coast Region web page (http://www.westcoast.fisheries.noaa.gov/habitat/habitat_types/seagrass_info/california_eelgrass.html) and may be used to evaluate avoidance and minimization measures for any project that generates increased turbidity.

2. Shading

A number of potential design modifications may be used to minimize effects of shading on eelgrass. Boat docks, ramps, gangways, and similar structures should avoid eelgrass habitat to the maximum extent feasible. If avoidance of eelgrass or habitat is infeasible, impacts should be minimized by utilizing, to the maximum extent feasible, design modifications and construction materials that allow for greater light penetration. Action modifications should include, but are not limited to:

- Avoid siting over-water or landside structures in areas where shading of eelgrass habitat would occur;
- Maximizing the north-south orientation of the structure;
- Maximizing the height of the structure above the water;
- Minimizing the width and supporting structure mass to decrease shade effects;
- Relocating the structure in deeper water and limiting the placement of structures in shallow areas where eelgrass occurs to the extent feasible; and
- Utilizing light transmitting materials in structure design.

Construction materials used to increase light passage beneath the structures may include, but are not limited to, open grating or adequate spacing between deck boards to allow for effective illumination to support eelgrass habitat. The use of these shade reducing options may be appropriate where they do not conflict with safety, ADA compliance, or structure utility objectives.

NMFS developed a stepwise key as guidance for action agencies to determine which combination of modifications are best suited for minimizing shading effects from overwater structures on eelgrass as part of a programmatic EFH consultation in San Francisco Bay. The parameters considered in the flow chart are relevant to all marine areas of California. This document is posted on the West Coast Region web page (http://www.westcoast.fisheries.noaa.gov/habitat/habitat_types/seagrass_info/california_eelgrass.html) and may be used to evaluate avoidance and minimization measures for any project that results in shading.

3. Circulation patterns

Where appropriate to the scale and nature of potential eelgrass impacts, action parties should evaluate if and how the action may alter the hydrodynamics of the action area such that eelgrass habitat within or in proximity to the action area may be adversely affected. To maintain good water flow and low residence time of water within eelgrass habitat, action agencies should ensure actions:

- Minimize scouring velocities near or within eelgrass beds;
- Maintain wind and tidal circulation to the extent practical by considering orientation of piers and docks to maintain predominant wind effects;
- Incorporate setbacks on the order of 15 to 50 meters from eelgrass habitat where practical to allow for greater circulation and reduced impact from boat maneuvering, grounding, and propeller damage, and to address shading impacts; and
- Minimize the number of piles and maximize pile spacing to the extent practical, where piles are needed to support structures.

For large-scale actions in the proximity of eelgrass habitats, NMFS may request specific modeling and/or field hydrodynamic assessments of the potential effects of work on characteristics of circulation within eelgrass habitat.

4. Nutrient loading

Where appropriate to the scale and nature of potential eelgrass impacts, the following measures should be considered for implementation to reduce the potential for excessive nutrient loading to eelgrass habitat:

- diverting site runoff from landscaped areas away from discharges around eelgrass habitat;
- implementation of fertilizer reduction program;
- reduction of watershed nutrient loading;
- controlling local sources of nutrients such as animal wastes and leach fields; and
- maintaining good circulation and flushing conditions within the water body.

Reducing nutrient loading may also provide opportunities for establishing eelgrass as mitigation for project impacts.

5. Sediment loading

Watershed development and changes in land use may increase soil erosion and increase sedimentation to downstream embayments and lagoons.

- To the extent practicable, maintain riparian vegetation buffers along all streams in the watershed.
- Incorporate watershed analysis into agricultural, ranching, and residential/commercial development projects.
- Increase resistance to soil erosion and runoff. Sediment basins, contour farming, and grazing management are examples of key practices.
- Implement best management practices for sediment control during construction and maintenance operations (*e.g.,* Caltrans 2003).

Reducing sediment loading may also provide opportunities for establishing eelgrass as mitigation for project impacts in systems for which sedimentation is a demonstrable limiting factor to eelgrass.

D. Assessing Impacts to Eelgrass Habitat

If appropriate to the statute under which the consultation occurs, NMFS should consider both direct and indirect effects of the project in order to assess whether a project may impact eelgrass. NMFS is aware that many of the statutes and regulations it administers may have more specific meanings for certain terms, including "direct effect" and "indirect effect", and will use the statutory or regulatory meaning of those terms when conducting consultations under those statutes.[2] Nevertheless, it is useful for NMFS to consider effects experienced

[2] In the EFH context, adverse effects include any impact that reduces quality and/or quantity of EFH, including direct or indirect physical, chemical, or biological alterations of the waters or substrate (50 CFR 600.910). The Council of Environmental Quality (CEQ) regulations regarding NEPA implementation (40 CFR 1508.8(a)) define direct and indirect impacts of an action for the purposes of NEPA. Other NMFS statutes provide their own definitions regarding effects.

contemporaneously with project actions (both at the project site and away from the project site) and which might occur later in time.

Generally, effects to eelgrass habitat should be assessed using pre- and post-project surveys of the impact area and appropriate reference site(s) conducted during the time period of maximum eelgrass growth (typically March through October for southern California, April through October for central California, April through October for San Francisco Bay, and May through September for northern California). NMFS should consider the likelihood that the effects would occur before recommending pre- and post-project eelgrass surveys. The pre-construction survey of the eelgrass habitat in the action area and an appropriate reference site(s) should be completed within 60 days before start of construction. After construction, a post-action survey of the eelgrass habitat in the action area and at an appropriate reference site(s) should be completed within 30 days of completion of construction, or within the first 30 days of the next active growth period following completion of construction that occurs outside of the active growth period. Copies of all surveys should be provided to the lead federal agency, NMFS, and other interested regulatory and/or resource agencies within 30 days of completing the survey. The recommended timing of surveys is intended to minimize changes in eelgrass habitat distribution and abundance during the period between survey completion and construction initiation and completion. For example, a post-action survey completed beyond 30 days following construction or outside of the active growing season may show declines in eelgrass habitat as a result of natural senescence rather than the action.

The lead federal agency and NMFS should consider reference area eelgrass performance, physical evidence of impact, turbidity and construction activities monitoring data, as well as other documentation in the determination of the impacts of the action undertaken. Impact analyses should document whether the impacts are anticipated to be complete at the time of the assessment, or whether there is an anticipation of continuing eelgrass impacts due to chronic or intermittent effects. Where eelgrass at the impact site declines coincident with and similarly to decline at the reference site(s), the percentage of decline at the reference site should be deducted from the decline at the impact site. However, if eelgrass expands within the reference site(s), the impact site should only be evaluated against the pre-construction condition of the reference site and not the expanded condition. If an action results in increased eelgrass habitat relative to the reference sites, this increase could potentially be considered (subject to the caveats identified herein) by NMFS and the action agency as potential compensation for impacts to eelgrass habitat that occur in the future (see Section II. E. 3). An assessment should also be made as to whether impacts or portions of the impact are anticipated to be temporary. Information supporting this determination may be derived from the permittee, NMFS, and other resource and regulatory agencies, as well as other eelgrass experts.

For some projects, environmental planning and permitting may take longer than 60 days. To accommodate longer planning schedules, it may also be necessary to do a preliminary eelgrass survey prior to the pre-construction survey. This preliminary survey can be used to anticipate potential impacts to eelgrass for the purposes of mitigation planning during the permitting process. In some cases, preliminary surveys may focus on spatial distribution of eelgrass habitat only or may be a qualitative reconnaissance to allow permittees to incorporate avoidance and minimization measures into their proposed action or to plan for future mitigation needs. The pre-and post- project surveys should then verify whether impacts occur as anticipated, and if planned mitigation is adequate. In some cases, a preliminary survey could be completed a year or more in advance of the project action.

1. Direct Effects

Biologists should consider the potential for localized losses of eelgrass from dredging or filling, construction-associated damage, and similar spatially and temporally proximate impacts (these effects could be termed “direct”). The actual area of the impact should be determined from an analysis that compares the pre-action condition of eelgrass habitat with the post-action conditions from this survey, relative to eelgrass habitat change at the reference site(s).

2. Indirect Effects

Biologists should also consider effects caused by the action which occur away from the project site; furthermore, effects occurring later in time (whether at or away from the project site) should also be considered. Biologists should consider the potential for project actions to alter conditions of the physical environment in a manner that, in turn, reduce eelgrass habitat distribution or density (*e.g.*, elevated turbidity from the initial implementation or later operations of an action, increased shading, changes to circulation patterns, changes to vessel traffic that lead to greater groundings or wake damage, increased rates of erosion or deposition).

For actions where the impact cannot be fully determined until a substantial period after an action is taken, an estimate of likely impacts should be made prior to implementation of the proposed action based on the best available information (*e.g.*, shading analyses, wave and current modeling). A monitoring program consisting of a pre-construction eelgrass survey and three post-construction eelgrass surveys at the impact site and appropriate reference site(s) should be performed. The action party should complete the first post-construction eelgrass survey within 30 days following completion of construction to evaluate any immediate effects to eelgrass habitat. The second post-construction survey should be performed approximately one year after the first post-construction survey during the appropriate growing season. The third post-construction survey should be performed approximately two years after the first post-construction survey during the appropriate growing season. The second and third post-construction surveys will be used to evaluate if indirect effects resulted later in time due to altered physical conditions; the time frames identified above are aligned with growing season (attempting a survey outside of the growing season would show inaccurate results).

A final determination regarding the actual impact and amount of mitigation needed, if any, to offset impacts should be made based upon the results of two annual post-construction surveys, which document the changes in the eelgrass habitat (areal extent, bottom coverage, and shoot density within eelgrass) in the vicinity of the action, compared to eelgrass habitat change at the reference site(s). Any impacts determined by these monitoring surveys should be mitigated. In the event that monitoring demonstrates the action to have resulted in greater eelgrass habitat impacts than initially estimated, additional mitigation should be implemented in a manner consistent with these guidelines. In some cases, adaptive management may allow for increased success in eelgrass mitigation without the need for additional mitigation.

E. Mitigation Options

The term mitigation is defined differently by various federal and State laws, regulations and policies. In a broad sense, mitigation may include a range of measures from complete avoidance of adverse effects to compensation for adverse effects by preserving, restoring or creating similar resources at onsite or offsite locations. The Corps and EPA issued regulations governing compensatory mitigation to offset unavoidable adverse effects to waters of the United States authorized by Clean Water Act section 404 permits and other permits issued by the Corps (73 FR 19594; April 10, 2008). For those regulations (33 CFR 332.2 and 40 CFR 230.92, respectively), the Corps and EPA, define "compensatory mitigation" as "the restoration (re-establishment or rehabilitation), establishment (creation), enhancement, and/or in certain circumstances preservation of aquatic resources for the purposes of offsetting unavoidable adverse effects which remain after all appropriate and practicable avoidance and minimization has been achieved."

When impacts to eelgrass would occur, the action agency should develop a mitigation plan to achieve no net loss in eelgrass function following the recommended steps in this policy. If NMFS determines a mitigation plan is needed, and it was not included with the EFH Assessment for the proposed action, NMFS may recommend, either as comments on the EFH Assessment or as an EFH Conservation Recommendation, that one be provided. Potential mitigation options are described below. The action agency should consider site specific conditions when determining the most appropriate mitigation option for an action.

1. Comprehensive management plans

NMFS supports the development of comprehensive management plans (CMPs) that protect eelgrass resources within the context of broader ecosystem needs and management objectives. Recommendations different from specific elements described below for in-kind mitigation may be appropriate where a CMP (*e.g.,* an enforceable programmatic permit, Special Area Management Plan, harbor plan, or ecosystem-based management plan) exists that is considered to provide adequate population-level and local resource distribution protections to eelgrass. One such CMP under development at the time these guidelines were developed is *City of Newport Beach Eelgrass Protection Mitigation Plan for Shallow Water in Lower Newport Bay: An Ecosystem Based Management Plan.* If satisfactorily completed and adopted, it is anticipated the protection measures for eelgrass within this area would be adequate to meet the objectives of this policy.

In general, it is anticipated that CMPs may be most appropriate in situations where a project or collection of similar projects will result in incremental but recurrent impacts to a small portion of local eelgrass populations through time (*e.g.*, lagoon mouth maintenance dredging, maintenance dredging of channels and slips within established marinas, navigational hazard removal of recurrent shoals, shellfish farming, and restoration or enhancement actions). In order to ensure that these alternatives provide adequate population-level and local resource distribution protections to eelgrass and that the plan is consistent with the overall conservation objectives of this policy, NMFS should be involved early in the plan's development.

2. In-kind mitigation

In-kind compensatory mitigation is the creation, restoration, or enhancement of habitat to mitigate for adverse impacts to the same type of habitat. In most cases in-kind mitigation is the preferred option to compensate for impacts to eelgrass. Generally, in-kind mitigation should achieve a final mitigation ratio of 1.2:1 across all areas of the state, independent of starting mitigation ratios. A starting mitigation ratio is the ratio of mitigation area to impact area when mitigation is initiated. The final mitigation ratio is the ratio of mitigation area to impact area once mitigation is complete. The 1.2:1 ratio assumes: (1) there is no eelgrass function at the mitigation site prior to mitigation efforts, (2) eelgrass function at the mitigation site is achieved within three years, (3) mitigation efforts are successful, and (4) there are no landscape differences (*e.g.*, degree of urban influence, proximity to freshwater source), between the impact site and the mitigation site. Variations from these assumptions may warrant higher or lower mitigation ratios. For example, a higher ratio would be appropriate for an enhancement project where the mitigation site has some level of eelgrass function prior to the mitigation action.

Typically, in-kind eelgrass mitigation involves transplanting or seeding of eelgrass into unvegetated habitat. Successful in-kind mitigation may also warrant modification of physical conditions at the mitigation site to prepare for transplants (*e.g.*, alter sediment composition, depth, etc.). In some areas, other in-kind mitigation options such as removing artificial structures that preclude eelgrass growth may be feasible. If in-kind mitigation that does not include transplants or seeding is proposed, post-mitigation monitoring as described below should be implemented to verify that mitigation is successful.

Information provided below in Section II.F includes specific recommendations for in-kind mitigation, including site selection, reference sites, starting mitigation ratios, mitigation methods, mitigation monitoring and performance criteria. Many of the recommendations provided in these guidelines for eelgrass assessments, surveys, and mitigation may apply throughout the state even if a non-transplant mitigation option is proposed.

3. Mitigation banks and in-lieu-fee programs

In 2006 and 2011, the NMFS Southwest Region (merged with the Northwest Region in 2013 to form the West Coast Region) signed interagency Memorandum of Understandings that established and refined a framework for developing and using combined or coordinated approaches to mitigation and conservation banking and in-lieu-fee programs in California. Other signatory agencies include: the California Resources Agency, California Department of Fish and Wildlife, the Corps, the US Fish &Wildlife Service, the EPA, the Natural Resource Conservation Service, and the State Water Resources Control Board.

Under this eelgrass policy, NMFS supports the use of mitigation bank and in-lieu fee programs to compensate for impacts to eelgrass habitat, where such instruments are available and where such programs are appropriate to the statutory structure under which mitigation is recommended. Mitigation banks and in-lieu fee conservation programs are highly encouraged by NMFS in heavily urbanized waters. Credits should be used at a ratio of 1:1 if those credits have been established for a full three-year period prior to use. If the bank credits have been in place for a period less than three years, credits should be used at a ratio determined through application of the wetland mitigation calculator (King and Price 2004).

At the request of the action party, and only with approval of NMFS and other appropriate resource agencies and subject to the caveats below, surplus eelgrass area that, after 60-months, exceeds the mitigation needs, as defined in section II.F.6 Mitigation Monitoring and Performance Milestones, has the potential to be considered for future mitigation needs. Additionally, only with the approval of NMFS and other appropriate resource agencies and subject to the caveats below, eelgrass habitat expansion resulting from project activities, and that otherwise would not have occurred, has the potential to be considered for future mitigation needs. Exceeding mitigation needs does not guarantee or entitle the action party or action agency to credit such mitigation to future projects, since every future project must be considered on a case-by-case basis (including the location and type of impact) and viewed in light of the relevant statutory authorities.

4. Out-of-kind mitigation

Out-of-kind compensatory mitigation means the adverse impacts to one habitat type are mitigated through the creation, restoration, or enhancement of another habitat type. In most cases, out-of-kind mitigation is discouraged, because eelgrass is a rare, special-status habitat in California. There may be some scenarios, however, where out-of-kind mitigation for eelgrass impacts is ecologically desirable or when in-kind mitigation is not feasible. This determination should be made based on an established ecosystem plan that considers ecosystem function and services relevant to the geographic area and specific habitat being impacted. Any proposal for out-of-kind mitigation should demonstrate that the proposed mitigation will compensate for the loss of eelgrass habitat function within the ecosystem. Out-of-kind mitigation that generates services similar to eelgrass habitat or improves conditions for establishment of eelgrass should be considered first. NMFS and the federal action agency should be consulted early when out-of-kind mitigation is being proposed in order to determine if out-of-kind mitigation is appropriate, in coordination with other relevant resource agencies (e.g., California Department of Fish and Wildlife, California Coastal Commission, U.S. Fish and Wildlife Service)

F. In-kind Mitigation for Impacts to Eelgrass

As all mitigation project specifics will be determined on a case-by-case basis, circumstances may exist where NMFS staff will need to modify or deviate from the recommended measures described below before providing their recommendation to action agencies.

1. Mitigation Site Selection

Eelgrass habitat mitigation sites should be similar to the impact site. Site selection should consider distance from action, depth, sediment type, distance from ocean connection, water quality, and currents. Where eelgrass that is impacted occurs in marginally suitable environments, it may be necessary to conduct mitigation in a preferable location and/or modify the site to be better suited to support eelgrass habitat creation. Mitigation site modification should be fully coordinated with NMFS staff and other appropriate resource and regulatory agencies. To the extent feasible, mitigation should occur within the same hydrologic system (*e.g.*, bay, estuary, lagoon) as the impacts and should be appropriately distributed within the same ecological subdivision of larger systems (*e.g.*, San Pablo Bay or Richardson Bay in San Francisco Bay), unless NMFS and the action agency concur that good justification exists for altering the distribution based on valued ecosystem functions and services.

In identifying potentially suitable mitigation sites, it is advisable to consider the current habitat functions of the mitigation site prior to mitigation use. In general, conversion of unvegetated subtidal areas or disturbed uplands to eelgrass habitats may be considered appropriate means to mitigate eelgrass losses, while conversion of other special aquatic sites (*e.g.*, salt marsh, intertidal mudflats, and reefs) is unlikely to be considered suitable. It may be necessary to develop suitable environmental conditions at a site prior to being able to effectively transplant eelgrass into a mitigation area. Mitigation sites may need physical modification, including increasing or lowering elevation, changing substrate, removing shading or debris, adding wave protection or removing impediments to circulation.

2. Mitigation Area Needs

In-kind mitigation plans should address the components described below to ensure mitigation actions achieve no net loss of eelgrass habitat function. Alternative contingent mitigation should be specified and included in the mitigation plan to address situations where performance milestones are not met.

a) Impacts to Areal Extent of Eelgrass Habitat

Generally, mitigation of eelgrass habitat should be based on replacing eelgrass habitat extent at a 1.2 (mitigation) to 1 (impact) mitigation ratio for eelgrass throughout all regions of California. However, given variable degrees of success across regions and potential for delays and mitigation failure, NMFS calculated *starting* mitigation ratios using "The Five-Step Wetland Mitigation Ratio Calculator" (King and Price 2004) developed for NMFS Office of Habitat Conservation. The calculator utilizes methodology similar to Habitat Equivalency Analysis (HEA), which is an accepted method to determine the amount of compensatory restoration needed to provide natural resource services that are equivalent to loss of natural resource services following an injury (http://www.darrp.noaa.gov/economics/pdf/heaoverv.pdf). HEA is commonly used by NOAA during damage assessment cases, including those involving seagrass. Similar to HEA, the mitigation calculator is based on the "net present value" approach to asset valuation, an economics concept used to compare values of all types of investments, and then modified to incorporate natural resource services. Using the calculator allows for consistency in methodology for all areas within California, avoids arbitrary identification of size of the mitigation area, and avoids cumulative loss to eelgrass habitat that would likely occur with a standard 1:1 ratio (because of the complexity of eelgrass mitigation and the time for created eelgrass to achieve full habitat function).

The calculator includes a number of metrics to determine appropriate ratios that focus on comparisons of quality and quantity of function of the mitigation relative to the site of impact to ensure full compensation of lost function. (see Attachment 4). Among other metrics, the calculator employs a metric of likelihood of failure within the mitigation site based on regional mitigation failure history. As such, the mitigation calculator identifies a recommended starting mitigation ratio (the mitigation area to eelgrass impact area) based on regional history of success in eelgrass mitigation. Increased initial mitigation site size should be considered to provide greater assurance that the performance milestones, as specified in Section II.F.6, will be met. This is a common practice in the eelgrass mitigation field to reduce risk of falling short of mitigation needs (Thom 1990). Independent of starting mitigation ratio utilized for a given mitigation action, mitigation success should generally be evaluated against a ratio of 1.2:1.

The elevated starting mitigation ratio should be applied to the area of impact to vegetated eelgrass cover only. For unvegetated eelgrass habitat, a starting mitigation ratio of 1.2:1 is appropriate.

To determine the recommended starting mitigation ratio for each region, the percentage of transplant successes and failures was examined over the history of transplanting in the region. NMFS staff examined transplants projects over the past 25 years in all mitigation regions (see Attachment 6). Eelgrass mitigation in Southern California has a 35-year history with 66 transplants performed over that period. In the past 25 years, a total of 47 eelgrass transplants for mitigation purposes have been conducted in Southern California. Forty-three of these were established long enough to evaluate success for these transplants. The overall failure rate, with failure defined as not meeting success criteria established for the project, was 13 percent. Eelgrass mitigation within central California has a better history of successful completion than within southern California, San Francisco Bay, and northern California. However, the number of eelgrass mitigation actions conducted in this region is low and limited to areas within Morro Bay. While the success of eelgrass mitigation in central California has been high, the low number of attempts makes mitigation in this region uncertain. Eelgrass habitat creation/restoration in San Francisco Bay and in northern California has had varied success.

In all cases, best information available at the time of this policy's development was used to determine the parameter values entered into the calculator formula. As regional eelgrass mitigation success changes and the results of ongoing projects become available, the starting mitigation ratio may be updated. Updates in mitigation calculator inputs should not be made on an individual action basis, because the success or lack of success of an individual mitigation project may not reflect overall mitigation success for the region. Rather NMFS should re-evaluate the regional transplant history approximately every 5 years, increasing the record of transplant success in 5 year increments for new projects implemented after NMFS' adoption of these guidelines. If the 5-year review shows that new efforts are more successful than those from the beginning of the 25-year period, NMFS staff should consider removing early projects (*e.g.*, those completed 20 years prior) from the analysis.

On a case-by-case basis and in consultation with action agencies, NMFS may consider proposals with different starting mitigation ratios where sufficient justification is provided that indicates the mitigation site would achieve the no net loss goal. In addition, CMPs could consider different starting mitigation ratios, or other mitigation elements and techniques, as appropriate to the geographic area addressed by the CMP.

Regardless of starting mitigation ratio, eelgrass mitigation should be considered successful, if it meets eelgrass habitat coverage over an area that is 1.2 times the impact area with comparable eelgrass density as impacted habitat. Please note, delayed implementation, supplemental transplant needs, or NMFS and action agency agreement may result in an altered mitigation area. In the EFH consultation context, NMFS may recommend an altered mitigation area during implementation of the federal agency's mitigation plan following EFH consultation or NEPA review, or as an EFH Conservation Recommendation if the federal agency re-initiates EFH consultation.

(1) Southern California (Mexico border to Pt. Conception)

For mitigation activities that occur concurrent to the action resulting in damage to existing eelgrass habitat, a starting ratio of 1.38 to 1 (transplant area to vegetated cover impact area) should be recommended to counter the regional failure risk. That is, for each square meter of vegetated eelgrass cover adversely impacted, 1.38 square meters of new habitat with suitable conditions to support eelgrass should be planted with a comparable bottom coverage and eelgrass density as impacted habitat.

(2) Central California (Point Conception to mouth of San Francisco Bay).

For mitigation activities that occur concurrent to the action resulting in damage to existing eelgrass habitat, a starting ratio of 1.20 to 1 (transplant area to vegetated cover impact area) should be recommended based on a 0 percent failure rate over the past 25 years (4 transplant actions). It should however be noted that all of these successful transplants included a greater area of planting than was necessary to achieve success such that the full mitigation area would be achieved, even with areas of minor transplant failure.

(3) San Francisco Bay (including south, central, San Pablo and Suisun Bays).

For mitigation activities that occur concurrent to the action resulting in damage to the existing eelgrass bed resource, a ratio of 3.01 to 1 (transplant area to vegetated cover impact area) should be recommended based on a 60 percent failure rate over the past 25 years (10 transplant actions). That is, for each square meter adversely impacted, 3.01 square meters of new habitat with suitable conditions to support eelgrass should be planted with a comparable bottom coverage and eelgrass density as impacted habitat.

(4) Northern California (mouth of San Francisco Bay to Oregon border).

For mitigation activities that occur concurrent to the action resulting in damage to the existing eelgrass habitat, a starting ratio of 4.82 to 1 (transplant area to vegetated cover impact area) should be recommended based on a 75 percent failure rate over the past 25 years (4 transplant actions). That is, for each square meter of eelgrass habitat adversely impacted, 4.82 square meters of new habitat with suitable conditions to support eelgrass should be planted with a comparable bottom coverage and eelgrass density as impacted habitat.

b) *Impacts to Density of Eelgrass Beds*

Degradation of existing eelgrass habitat that results in a permanent reduction of eelgrass turion density greater than 25 percent, and that is a statistically significant difference from pre-impact density, should be mitigated based on an equivalent area basis. The 25 percent and statistically significant threshold is believed reasonable based on supporting information (Fonseca *et al.* 1998, WDFW 2008), and professional practice under SCEMP. In these cases, eelgrass remains present at the action site, but density may be potentially affected by long-term chronic or intermittent effects of the action. Reduction of density should be determined to have occurred when the mean turion density of the impact site is found to be statistically different (α=0.10 and β=0.10) from the density of a reference and at least 25 percent below the reference mean during two annual sampling events following implementation of an action. The number of samples taken to describe density at each site (*e.g.*, impact and reference) should be sufficient to provide for appropriate statistical power. For small impact areas that do not allow for a sample size that provides statistical power, alternative methods for pre- and post- density comparisons could be considered. Mitigation for reduction of turion density without change in eelgrass habitat area should be on a one-for-one basis either by augmenting eelgrass density at the impact site or by establishing new eelgrass habitat comparable to the change in density at the impact site. For example, a 25 percent reduction in density of 100-square meters (100 turions/square meter) of eelgrass habitat to 75 turions/square meter should be mitigated by the establishing 25 square meters of new eelgrass habitat with a density at or above the 100 turions/square meter pre-impact density.

3. Mitigation Technique

In-kind mitigation technique should be determined on a case-by-case basis. Techniques for eelgrass mitigation should be consistent with the best available technology at the time of mitigation implementation and should be tailored to the specific needs of the mitigation site. Eelgrass transplants have been highly successful in southern and central California, but have had mixed results in San Francisco Bay and northern California. Bare-root bundles and seed buoys have been utilized with some mixed success in northern portions of the state. Transplants using frames have also been used with some limited success. For transplants in southern California, plantings consisting of bare-root bundles consisting of 8-12 individual turions each have proven to be most successful (Merkel 1988).

Donor material should be taken from the area of direct impact whenever practical, unless the action resulted in reduced density of eelgrass at the area of impact. Site selections should consider the similarity of physical environments between the donor site and the transplant receiver site and should also consider the size, stability, and history of the donor site (*e.g.*, how long has it persisted and is it a transplant site). Plants harvested should be taken in a manner to thin an existing bed without leaving any noticeable bare areas. For all geographic areas, no more than 10 percent of an existing donor bed should be harvested for transplanting purposes. Ten percent is reasonable based on recommendations in Thom *et al.* (2008) and professional practice under SCEMP. Harvesting of flowering shoots for seed buoy techniques should occur only from widely separated plants.

It is important for action agencies to note that state laws and regulations affect the harvesting and transplantation of donor plants and permission from the state, where required, should be obtained; for example, California Department of Fish and Wildlife may need to provide written authorization for harvesting and transplanting donor plants and/or flowering shoots.

4. Mitigation Plan

NMFS should recommend that a mitigation plan be developed for in-kind mitigation efforts. During consultation, NMFS biologists should request that mitigation plans be provided at least 60 days prior to initiation of project activities to allow for NMFS review. When feasible, mitigation plans should be developed based on preliminary or pre-project eelgrass surveys. When there is uncertainty regarding whether impacts to eelgrass will occur, and the need for mitigation is based on comparison of pre- and post-project eelgrass surveys, NMFS biologists should request that the mitigation plan be provided no more than 60 days following the post-project survey to allow for NMFS review and minimize any delay in mitigation implementation.

At a minimum, the mitigation plan should include:

- Description of the project area
- Results of preliminary eelgrass survey and pre/post-project eelgrass surveys if available (see Section II.B.1 and II.B.2)
- Description of projected and/or documented eelgrass impacts
- Description of proposed mitigation site and reference site(s) (see Section II.B.4)
- Description of proposed mitigation methods (see Section II.F.3)
- Construction schedule, including specific starting and ending dates for all work including mitigation activities. (see Section II.F.5)
- Schedule and description of proposed post-project monitoring and when results will be provided to NMFS
- Schedule and description of process for continued coordination with NMFS through mitigation implementation
- Description of alternative contingent mitigation or adaptive management should proposed mitigation fail to achieve performance measures (see Section II.F.6)

5. Mitigation Timing

Mitigation should commence within 135 days following the initiation of the in-water construction resulting in impact to the eelgrass habitat, such that mitigation commences within the same eelgrass growing season as impacts occur. If possible, mitigation should be initiated prior to or concurrent with impacts. For impacts initiated within 90 days prior to, or during, the low-growth period for the region, mitigation may be delayed to within 30 days after the start of the following growing season, or 90 days following impacts, whichever is longer, without the need for additional mitigation as described below. This timing avoids survey completion during the low growth season, when results may misrepresent progress towards performance milestones.

Delays in eelgrass mitigation result in delays in ultimate reestablishment of eelgrass habitat functions, increasing the duration and magnitude of project impacts to eelgrass. To offset loss of eelgrass habitat function that accumulates through delay, an increase in successful eelgrass mitigation is needed to achieve the same compensatory habitat function. Because habitat function is accumulated over time once the mitigation habitat is in place, the longer the delay in initiation of mitigation, the greater the additional habitat area needed (i.e., mitigation ratio increasingly greater than 1.2:1) to offset losses. Unless a specific delay is authorized or dictated by the initial schedule of work, federal action agencies should determine whether delays in mitigation initiation in excess of 135 days warrant an increased final mitigation ratio. If increased mitigation ratios are warranted, NMFS should recommend higher mitigation ratios (see Attachment 7). Where delayed implementation is authorized by the action agency, the increased mitigation ratio may be determined by utilizing the Wetlands Mitigation Calculator (King and Price 2004) with an appropriate value for parameter D (See Attachment 4). Examples of delay multipliers generated using the Wetlands Mitigation Calculator are provided in Attachment 5.

Conversely, implementing mitigation ahead of impacts can be used to reduce the mitigation needs by achieving replacement of eelgrass function and services ahead of eelgrass losses. If eelgrass is successfully transplanted three years ahead of impacts, the mitigation ratio would drop from 1.2:1 to 1:1. If mitigation is completed less than three years ahead of impacts, the mitigation calculator can be used to determine the appropriate intermediate mitigation ratio.

6. Mitigation Monitoring and Performance Milestones

In order to document progress and persistence of eelgrass habitat at the mitigation site through and beyond the initial establishment period, which generally is three years, monitoring should be completed for a period of five years at both the mitigation site and at an appropriate reference site(s) (Section II.B.4. Reference Site Selection). Monitoring at a reference site(s) may account for any natural changes or fluctuations in habitat area or density. Monitoring should determine the area of eelgrass and density of plants at 0, 12, 24, 36, 48, and 60 months after completing the mitigation. These intervals will provide yearly updates on the establishment and persistence of eelgrass during the growing season. These monitoring recommendations are consistent with findings of the National Research Council (NRC 2001), the Corps requirements for compensatory mitigation (33 CFR 332.6(b)), and other regional resource policies (Corps 2010, Evans and Leschen 2010, SFWMD 2007).

All monitoring work should be conducted during the active eelgrass growth period and should avoid the recognized low growth season for the region to the maximum extent practicable (typically November through February for southern California, November through March for central California, November through March for San Francisco Bay, and October through April for northern California). Sufficient flexibility in the scheduling of the 6 month surveys should be allowed in order to ensure the work is completed during this active growth period. Additional monitoring beyond the 60-month period may be warranted in those instances where the stability of the proposed mitigation site is questionable, where the performance of the habitat relative to reference sites is erratic, or where other factors may influence the long-term success of mitigation. Mitigation plans should include a monitoring schedule that indicates when each of the monitoring events will be completed.

The monitoring and performance milestones described below are included as eelgrass transplant success criteria in the SCEMP. These numbers represent milestones and associated timelines typical of successful eelgrass habitat development based on NMFS' experience with: (1) conducting eelgrass surveys and monitoring and (2) reviewing mitigation monitoring results for projects implemented under SCEMP. Restored eelgrass habitat is expected to develop through an initial 3 year monitoring period such that, within 36 months following planting, it meets or exceeds the full coverage and not less than 85 percent of the density relative to the initial condition of affected eelgrass habitat. Restored eelgrass habitat is expected to sustain this condition for at least 2 additional years.

Monitoring events should evaluate the following performance milestones:

Month 0 – Monitoring should confirm the full coverage distribution of planting units over the initial mitigation site as appropriate to the geographic region.

Month 6 – Persistence and growth of eelgrass within the initial mitigation area should be confirmed, and there should be a survival of at least 50 percent of the initial planting units with well-distributed coverage over the initial mitigation site. For seed buoys, there should be demonstrated recruitment of seedlings at a density of not less than one seedling per four (4) square meters with a distribution over the extent of the initial planting area. The timing of this monitoring event should be flexible to ensure work is completed during the active growth period.

Month 12–The mitigation site should achieve a minimum of 40 percent coverage of eelgrass and 20 percent density of reference site(s) over not less than 1.2 times the area of the impact site.

Month 24–The mitigation site should achieve a minimum of 85 percent coverage of eelgrass and 70 percent density of reference site(s) over not less than 1.2 times the area of the impact site.

Month 36–The mitigation site should achieve a minimum of 100 percent coverage of eelgrass and 85 percent density of reference site(s) over not less than 1.2 times the area of the impact site.

Month 48–The mitigation site should achieve a minimum of 100 percent coverage of eelgrass and 85 percent density of reference site(s) over not less than 1.2 times the area of the impact site.

Month 60–The mitigation site should achieve a minimum of 100 percent coverage of eelgrass and 85 percent density of reference site(s) over not less than 1.2 times the area of the impact site.

Performance milestones may be re-evaluated or modified if declines at a mitigation site are also demonstrated at the reference site, and therefore, may be a result of natural environmental stressors that are unrelated to the intrinsic suitability of the mitigation site. In the EFH consultation context, NMFS should provide recommendations regarding modification of performance milestones as technical assistance during interagency coordination as described in the mitigation plan or as EFH Conservation Recommendations if the federal action agency re-initiates EFH consultation.

7. Mitigation Reporting

NMFS biologists should request monitoring reports and spatial data for each monitoring event in both hard copy and electronic version, to be provided within 30 days after the completion of each monitoring period to allow timely review and feedback from NMFS. These reports should clearly identify the action, the action party, mitigation consultants, relevant points of contact, and any relevant permits. The size of permitted eelgrass impact estimates, actual eelgrass impacts, and eelgrass mitigation needs should be identified, as should appropriate information describing the location of activities. The report should include a detailed description of eelgrass habitat survey methods, donor harvest methods and transplant methods used. The reports should also document mitigation performance milestone progress (see II.F.6. Mitigation Monitoring and Performance Milestones). The first report (for the 0-month post-planting monitoring) should document any variances from the mitigation plan, document the sources of donor materials, and document the full area of planting. The final mitigation monitoring report should provide the action agency and NMFS with an overall assessment of the performance of the eelgrass mitigation site relative to natural variability of the reference site to evaluate if mitigation responsibilities were met. An example summary is provided in Attachment 3.

8. Supplemental Mitigation

Where development of the eelgrass habitat at the mitigation site falls short of achieving performance milestones during any interim survey, the monitoring period should be extended and supplemental mitigation may be recommended to ensure that adequate mitigation is achieved. In the EFH consultation context, NMFS should provide recommendations regarding extended monitoring as technical assistance during interagency coordination as described in the mitigation plan or as EFH Conservation Recommendations if the federal action agency re-initiates EFH consultation. In some instances, an adaptive management corrective action to the existing mitigation area may be appropriate. In the event of a mitigation failure, the action agency should convene a meeting with the action party, NMFS, and applicable regulatory and/or resource agencies to review the specific circumstances and develop a solution to achieve no net loss in eelgrass habitat function.

As indicated previously, while in-kind mitigation is preferred, the most appropriate form of compensatory mitigation should be determined on a case-by-case basis. In cases where it is demonstrated that in-kind replacement is infeasible, out-of-kind mitigation may be appropriate over completion of additional in-kind mitigation. The determination that an out-of-kind mitigation is appropriate will be made by NMFS, the action agency, and the applicable regulatory agencies, where a regulatory action is involved.

G. Special Circumstances

Depending on the circumstances of each individual project, NMFS may make recommendations different from those described above on a case by case basis. For the scenarios described below, for example, NMFS could recommend a mitigation ratio or 1:1 or for use of out-of-kind mitigation. Because NMFS needs a proper understanding of eelgrass habitat in the project area and potential impacts of the proposed project to evaluate the full effects of authorized activities, NMFS should not make recommendations that diverge from these guidelines if they would result in surveys, assessments or reports inferior to those which might be obtained through the guidance in Section II. The area thresholds described below are taken from the SCEMP and/or reflect recommendations NMFS staff have repeatedly made during individual EFH consultations. These thresholds minimize impacts to eelgrass habitat quality and quantity, based on NMFS' experience with: (1) conducting eelgrass surveys and monitoring and (2) reviewing project monitoring results for projects implemented under SCEMP. The special circumstance included for shellfish aquaculture longlines is supported by Rumrill and Poulton (2004) and the NMFS Office of Aquaculture.

1. Localized Temporary Impacts

NMFS may consider modified target mitigation ratios for localized temporary impacts wherein the damage results in impacts of less than 100 square meters and eelgrass habitat is fully restored within the damage footprint within one year of the initial impact (e.g., placement of temporary recreational facilities, shading by construction equipment, or damage sustained through vessel groundings or environmental clean-up operations). In such cases, the 1.2:1 mitigation ratio should not apply, and a 1:1 ratio of impact to recovery would apply. A monitoring program consisting of a pre-construction eelgrass survey and three post-construction eelgrass surveys at the impact site and appropriate reference site(s) should be completed in order to demonstrate the temporary nature of the impacts. NMFS should recommend that surveys be completed as follows: 1) the first post-construction eelgrass survey should be completed within 30 days following completion of construction to evaluate direct effects of construction, 2) the second and third post-construction surveys should be performed approximately one year after the first post-construction survey, and approximately two years after the first post-construction survey, respectively, during the appropriate growing season to confirm no indirect, or longer term effects resulted from construction. A compelling reason should be demonstrated before any reduced monitoring and reporting recommendations are made.

2. Localized Permanent Impacts

a) If both NMFS and the authorizing action agencies concur, the compensatory mitigation elements of this policy may not be necessary for the placement of a single pipeline, cable, or other similar utility line across existing eelgrass habitat with an impact corridor of no more than 1 meter wide. NMFS should recommend the completion of pre- and post-action surveys as described in section II.B. and II.D. The actual area of impact should be determined from the post-action survey. NMFS should recommend the completion of an additional survey (after 1 year) to ensure that the action or impacts attributable to the action have not exceeded the 1-meter corridor width. NMFS should recommend that, if the post-action or 1 year survey demonstrates a loss of eelgrass habitat greater than the 1-meter wide corridor, mitigation should be undertaken.

b)) If both NMFS and the authorizing action agencies concur that the spacing of shellfish aquaculture longlines does not result in a measurable net loss of eelgrass habitat in the project area, then mitigation associated with local losses under longlines may not be necessary. NMFS should recommend the completion of pre- and post-action surveys as described in section II.B. and II.D. NMFS should recommend the completion of additional post-action monitoring surveys (to be completed approximately 1 year and 2 years following implementation of the action) to ensure that the action or impacts attributable to the action have not resulted in net adverse impacts to eelgrass habitat. NMFS should recommend that, if the 1-year or 2-year survey demonstrates measurable impact to eelgrass habitat, mitigation should be undertaken. c) NMFS should consider mitigation on a 1:1 basis for impacts less than 10 square meters to eelgrass patches where impacts are limited to small portions of well-established eelgrass habitat or eelgrass habitat that, despite highly variable conditions, generally retain extensive eelgrass, even during poor years. A reduced mitigation ratio should not be considered where impacts would occur to isolated or small eelgrass habitat areas within which the impacted area constitutes more than 1% of the eelgrass habitat in the local area during poor years.

c) If NMFS concurs and suitable out-of-kind mitigation is proposed, compensatory mitigation may not be necessary for actions impacting less than 10 square meters of eelgrass.

III. Glossary of Terms

Except where otherwise specified, the explanations of the following terms are provided for informational purposes only and are described solely for the purposes of this policy; where a NMFS statute, regulation, or agreement requires a different understanding of the relevant term, that understanding of the term will supplant these explanations provided below.

Compensatory mitigation – restoration, establishment, or enhancement of aquatic resources for the purposes of offsetting unavoidable authorized adverse impacts which remain after all appropriate and practicable avoidance and minimization has been achieved.

Ecosystem – a geographically specified system of organisms, the environment, and the processes that control its dynamics. Humans are an integral part of an ecosystem.

Ecosystem function – ecological role or process provided by a given ecosystem.

Ecosystem services – contributions that a biological community and its habitat provide to the physical and mental well-being of the human population (*e.g.*, recreational and commercial opportunities, aesthetic benefits, flood regulation).

Eelgrass habitat – areas of vegetated eelgrass cover (any eelgrass within 1 square meter quadrat and within 1 m of another shoot) bounded by a 5 m wide perimeter of unvegetated area

Essential fish habitat (EFH) – EFH is defined in the MSA as "...those waters and substrate necessary to fish for spawning, breeding, feeding, or growth to maturity."

EFH Assessment – An assessment as further explained in 50 C.F.R. § 600.920(e).

EFH Consultation – The process explained in 50 C.F.R. § 600.920

EFH Conservation Recommendation – provided by the National Marine Fisheries Service (NMFS) to a federal or state agency pursuant to section 305(b)(4)(A) of the Magnuson-Stevens Act regarding measures that can be taken by that agency to conserve EFH. As further explained in 50 C.F.R. § 600.925, EFH Conservation Recommendations may be provided as part of an EFH consultation with a federal agency, or may be provided by NMFS to any federal or state agency whose actions would adversely affect EFH .

Habitat – environment in which an organism(s) lives, including everything that surrounds and affects its life, including biological, chemical and physical processes.

Habitat function – ecological role or process provided by a given habitat (*e.g.*, primary production, cover, food, shoreline protection, oxygenates water and sediments, etc.).

In lieu fee program – a program involving the restoration, establishment, and/or enhancement of aquatic resources through funds paid to a governmental or non-profit natural resources management entity to satisfy compensatory mitigation needs; an in lieu fee program works like a mitigation bank, however, fees to compensate for impacts to habitat function are collected prior to establishing an on-the-ground conservation/restoration project.

In-kind mitigation – mitigation where the adverse impacts to a habitat are mitigated through the creation, restoration, or enhancement of the same type of habitat.

Mitigation – action or project undertaken to offset impacts to an existing natural resource.

Mitigation bank – a parcel of land containing natural resource functions/values that are conserved, restored, created and managed in perpetuity and used to offset unavoidable impacts to comparable resource functions/values occurring elsewhere. The resource functions/values contained within the bank are translated into quantified credits that may be sold by the banker to parties that need to compensate for the adverse effects of their activities.

Out-of-kind mitigation – mitigation where the adverse impacts to one habitat type are mitigated through the creation, restoration, or enhancement of another habitat type

IV. Literature Cited

Bostrom, C. and E. Bonsdorff. 2000. Zoobenthic community establishment and habitat complexity–the importance of seagrass shoot density, orphology and physical disturbance for faunal recruitment. Marine Ecology Progress Series 205:123-138.

Bostrom, C., E. Bonsdorff, P. Kangas, and A. Norkko. 2002. Long-term changes of a Brackish-water eelgrass (Zostera marina L.) community indicate effects of coastal eutrophication. Estuarine, Coastal and Shelf Science 55: 795-804.

California Department of Transportation. 2003. Storm Water Quality Handbooks: Construction Site Best Management Practices (BMPs) Manual.

Costanza, R., d'Arge, R., de Groot, R., Farber, S., Grasso, M, Hannon, B., Limburg, K., Naeem, S., O'Neill, R.V.O., Paruelo, J., Raskin, R.G., Sutton, P., and M. van den Belt. 1997. The value of the world's ecosystem services and natural capital. Nature 387: 253-260.

Council on Environmental Quality (CEQ). Regulations 1508 – National Environmental Policy Act (40 CFR 1508).

Donoghue, C. 2011. Technical Memorandum: Operational Definition of an Eelgrass (*Zostera marina*) Bed. A Summary of a Workgroup Discussion and Related Analysis. Washington State Department of Natural Resources. October 2011.

Duarte, C. M. 2002. The future of seagrass meadows. Environmental Conservation 29(2):192-206.

Duarte, C.M., Dennison, W.C., Orth, R.J.W. and T.J.B. Carruthers. 2008. The charisma of coastal ecosystems: addressing the imbalance. Estuaries and Coasts: J CERF 31:233–238.

Evans, N.T. and Leschen, A. 2010. Technical guidelines for the delineation, restoration, and monitoring of eelgrass (*Zostera marina*) in Massachusetts coastal waters. Massachusetts Division of Marine Fisheries Technical Report TR-43. 8 p.

Evans, N. T., and F. T. Short. 2005. Functional trajectory models for assessment of transplanted eelgrass, Zostera marina L., in the Great Bay Estuary, New Hampshire. Estuaries 28(6):936-947.

Ferrell, D. J., and J.D. Bell. 1991. Differences among assemblages of fish associated with *Zostera capricorni* and bare sand over a large spatial scale. Marine Ecology Progress Series 72:15-24.

Fonseca, M.S., Kenworthy, W.J., Thayer, G.W. 1998. Guidelines for the conservation and restoration of seagrasses in the United Stated and adjacent waters. NOAA Coastal Ocean Program Decision Analysis Series, No. 12. NOAA Coastal Ocean Office, Silver Spring, MD. 222 p.

Fonseca, M. S., W. J. Kenworthy, D. R. Colby, K. A. Rittmaster, and G. W. Thayer. 1990. Comparisons of fauna among natural and transplanted eelgrass Zostera marina meadows: criteria for mitigation. Marine Ecology Progress Series 65:251-264

Hoffman, R. S. 1986. Fishery Utilization of Eelgrass (Zostera marina) Beds and Non-vegetated Shallow Water Areas in San Diego Bay. SWR-86-4, NMFS/SWR.

King, D. M., and E. W. Price. 2004. Developing Defensible Wetland Mitigation Ratios: A Companion to "The Five-step Wetland Mitigation Ratio Calculator." Prepared by King and Associates, Inc. for NOAA, Office of Habitat Conservation, Habitat Protection Division.

Lotze, H. K., H. S. Lenihan, B. J. Bourque, R. H. Bradbury, R. G. Cooke, M. C. Kay, S. M. Kidwell, M. X. Kirby, C. H. Peterson, and J. B. C. Jackson. 2006. Depletion, degradation, and recovery potential of estuaries and coastal seas. Science 312:1806-1809.

Merkel, K. W. 1988. Growth and survival of transplanted eelgrass: The importance of planting unit size and spacing. In: Proceedings of the California Eelgrass Symposium. Chula Vista, CA.

National Oceanic and Atmospheric Administration-Damage Assessment and Restoration Program (NOAA-DARP). 1999. Discounting and the treatment of uncertainty in natural resource damage assessment. *Technical Paper 99-1.*

National Research Council. 2001. Compensating for Wetlands Losses under the Clean Water Act. National Academy Press, Washington DC, USA.

Orth, R. J., T. J. B. Carruthers, W. C. Dennison, C. M. Duarte, J. W. Fourqurean, K. L. Heck, Jr., A. R. Hughes, G. A. Kendrick, W. J. Kenworthy, S. Olyarnik, F. T. Short, M. Waycott, and S. L. Williams. 2006. A global crisis for seagrass ecosystems. BioScience 56(12):987-996.

Pacific Fishery Management Council (PFMC). 2008. Pacific Coast Groundfish Fishery Management Plan for the California, Oregon, and Washington Groundfish Fishery as Amended Through Amendment 19.

Peterson, C.H., R.A. Luttich Jr., F. Micheli, and G.A. Skilleter. 2004. Attenuation of water flow inside seagrass canopies of differing structure. Marine Ecology Progress Series 268: 81-92.

Rumrill, S.S. and V.K. Poulton. 2004. Ecological role and potential impacts of molluscan shellfish culture in the estuarine environment of Humboldt Bay, CA. http://hdl.handle.net/1794/3798

Short, F. T., and S. Wyllie-Echeverria. 1996. Natural and human-induced disturbance of seagrasses. Environmental Conservation 23(1):17-27.

Smith, Timothy M., J. S. Hindell, G. P. Jenkins, and R. M. Connolly. 2008. Edge effects on fish associated with seagrass and sand patches. Marine Ecology Progress Series 359:203-213.

South Florida Water Management District. 2007. Environmental Monitoring Report Guidelines. Environmental Resource Regulation Department. 18 p.

Thom, R.N. 1990. A review of eelgrass (*Zostera marina L.*) transplanting projects in the Pacific Northwest. The Northwest Environmental Journal 6:121-137.

Thom, R.N., J. Gaeckle, A. Borde, M. Anderson, M. Boyle, C. Durance, M. Kyte, P. Schlenger, J. Stutes, D. Weitkamp, S. Wyllie-Echeverria, and S. Rumrill. 2008. Eelgrass (*Zostera marina L.*) restoration in the Pacific Northwest: recommendations to improve project success. U.S. Department of Energy. Technical Report WA-RD 706.1.

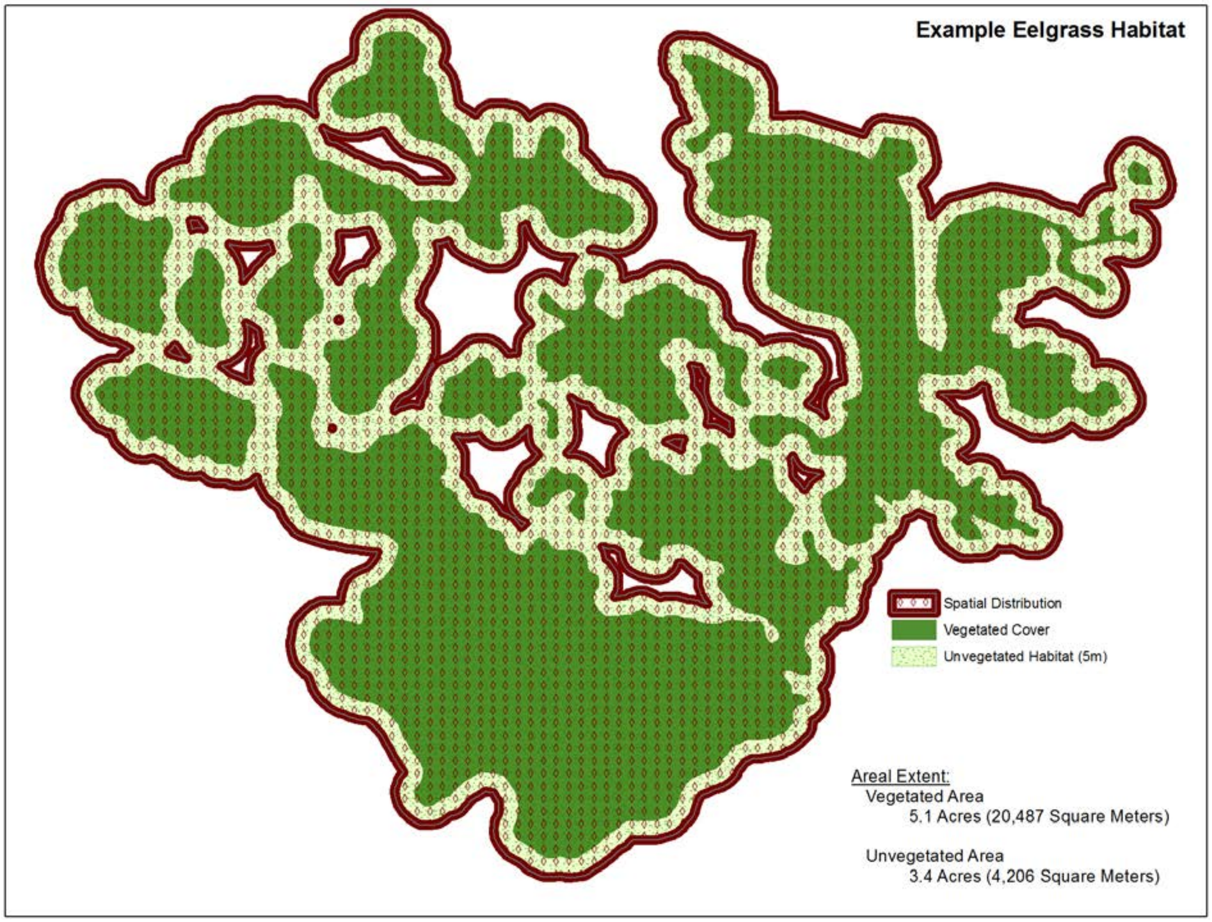
United States Army Corps of Engineers. 2010. New England District Compensatory Mitigation Guidance. 94 p.

van Houte-Howes, S.J. Turner, and C. A. Pilditch. 2004. Spatial Differences in Macroinvertebrate Communities in Intertidal Seagrass Habitats and Unvegetated Sediment in Three New Zealand Estuaries. Estuaries 27(6):945-957.

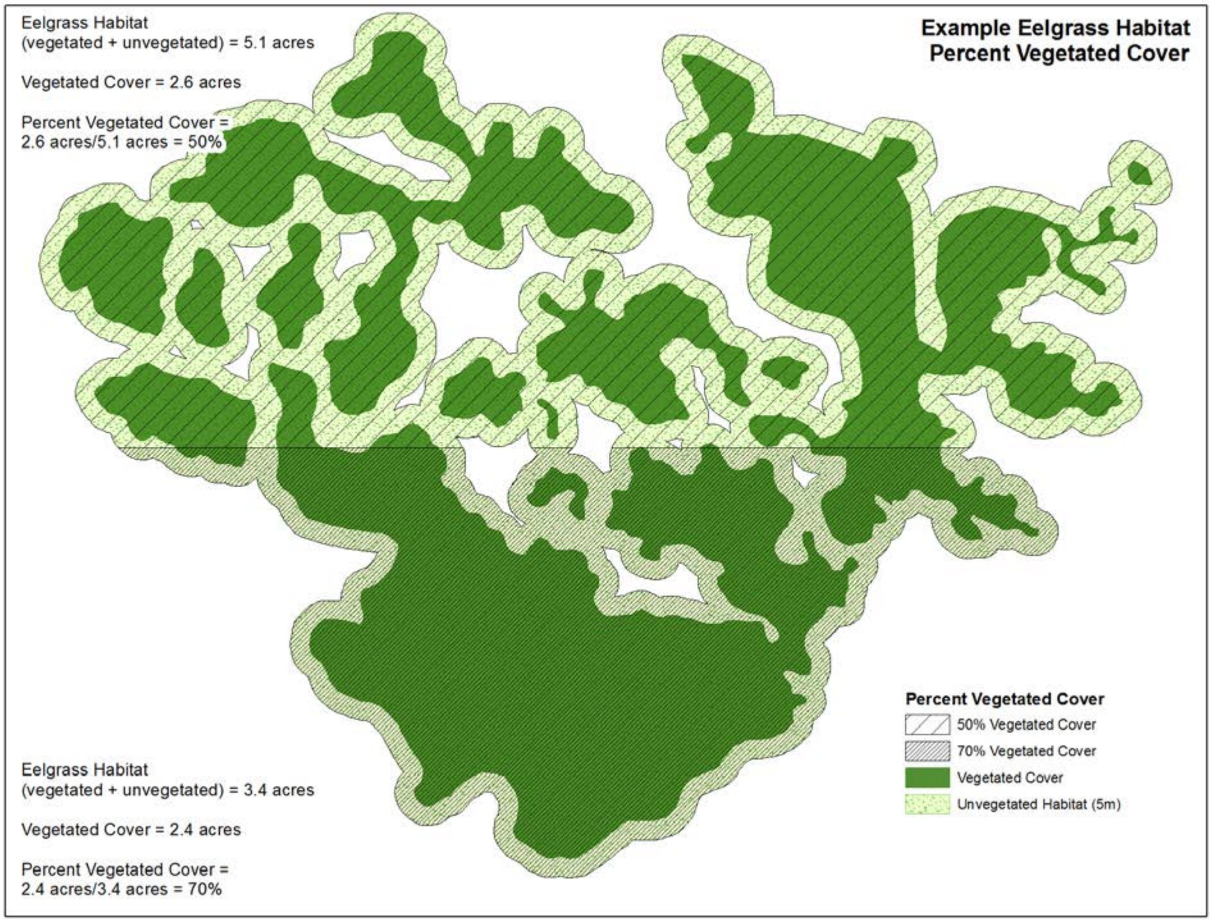
Washington Department of Fish and Wildlife. 2008. Eelgrass/macroalgae habitat interim survey guidelines (http://wdfw.wa.gov/publications/00714/).

Webster, P.J., A.A. Rowden, and M.J. Attrill. 1998. Effect of shoot density on the infaunal macro-invertebrate community within a *Zostera marina* seagrass bed. Estuarine, Coastal and Shelf Science 47: 351-357.

ATTACHMENT 1. Graphic depiction of eelgrass habitat definition including spatial distribution and aerial coverage of vegetated cover and unvegetated eelgrass habitat.

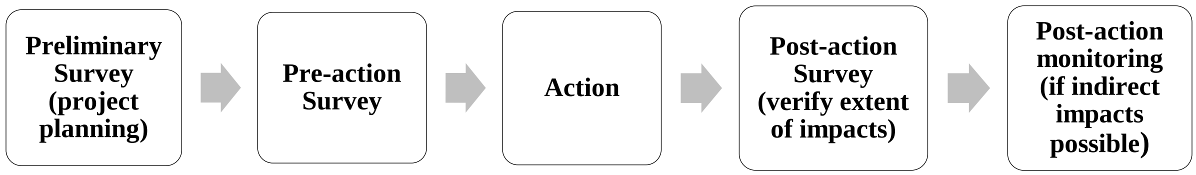


ATTACHMENT 2. Example Eelgrass Habitat Percent Vegetated Cover.



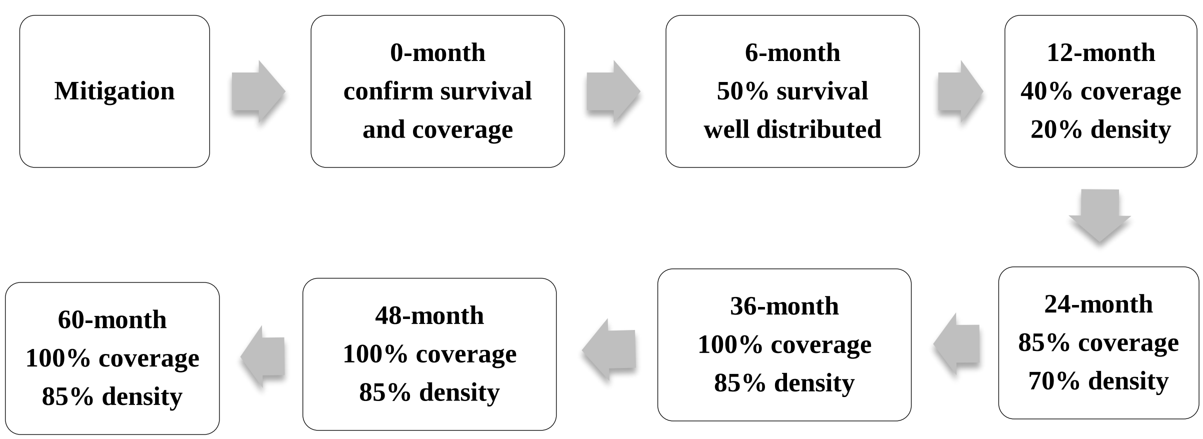
ATTACHMENT 3. Flow chart depicting timing of surveys and monitoring.

a) Eelgrass impact surveys



- All surveys should be completed during the growing season
- Surveys should be completed at the impact site and an appropriate reference site(s)
- A preliminary survey completed for planning purposes may be completed a year or more in advance of the action.
- Pre-action and post-action surveys should be completed within 60 days of the action.
- A survey is good for 60 days, or if that 60 day period extends beyond the end of growing season, until start of next growing season
- Two years of monitoring following the initial post-action monitoring event may be needed to verify lack or extent of indirect effects.
- Survey reports should be provided to NMFS and the federal action agency within 30 days of completion of each survey event

b) Eelgrass mitigation monitoring



- Mitigation should occur coincident or prior to the action
- All monitoring should be completed during the growing season
- Performance metrics for each monitoring event are compared to the 1.2:1 mitigation ratio
- Monitoring reports should be provided to NMFS and the federal action agency 30 days of completion of each monitoring event
- NMFS and action agency will evaluate if performance metrics met, and decide if supplemental mitigation or other adaptive management measures are needed

ATTACHMENT 4. Eelgrass transplant monitoring report.

In order to ensure that NMFS is aware of the status of eelgrass transplants, action agencies should provide or ensure that NMFS is provided a monitoring report summary with each monitoring report. For illustrative purposes only, an example of a monitoring report summary is provided below.

ACTION PARTY CONTACT INFORMATION:

Action Name (same as permit reference):

(a) Action party Information

Name		Address	
Contact Name		City, State, Zip	
Phone		Fax	
Email			

MITIGATION CONSULTANT

Name		Address	
Contact Name		City, State, Zip	
Phone		Fax	
Email			

PERMIT DATA:

Permit	Issuance Date	Expiration Date	Agency Contact

EELGRASS IMPACT AND MITIGATION NEEDS SUMMARY:

Permitted Eelgrass Impact Estimate (m^2):			
Actual Eelgrass Impact (m^2):		On (post-construction date):	
Eelgrass Mitigation Needs (m^2):		Mitigation Plan Reference:	
Impact Site Location:			
Impact Site Center Coordinates (actionion &			

datum):	
Mitigation Site Location:	
Mitigation Site Center Coordinates (actionion & datum):	

ACTION ACTIVITY DATA:

Activity	Start Date	End Date	Reference Information
Eelgrass Impact			
Installation of Eelgrass Mitigation			
Initiation of Mitigation Monitoring			

MITIGATION STATUS DATA:

	Mitigation Milestone	Scheduled Survey	Survey Date	Eelgrass Habitat Area (m^2)	Bottom Coverage (Percent)	Eelgrass Density (turions/m^2)	Reference Information
Month	0						
	6						
	12						
	24						
	36						
	48						
	60						

FINAL ASSESSMENT:

Was mitigation met?	
Were mitigation and monitoring performed timely?	
Were mitigation delay increases needed or were supplemental mitigation programs necessary?	

ATTACHMENT 5. Wetlands mitigation calculator formula and parameters.

Starting mitigation ratios for each region within California were calculated using "The Five-Step Wetland Mitigation Ratio Calculator" (King and Price 2004) developed for NMFS Office of Habitat Conservation. The discrete time equation this method uses to solve for the appropriate mitigation ratio is as follows:

$$R = \frac{\sum_{t=0}^{T_{max}} (1+r)^{-t}}{\left(B(1-E)(1+L)-A\right)\left[\sum_{t=-D}^{C-D-1} \frac{(t+D)}{C(1+r)^{t}} + \sum_{C-D}^{T_{max}} (1+r)^{-t}\right] + \left[\sum_{t=-D}^{T_{max}} \frac{\left(1-(1-k)^{(t+D)}\right)}{(1+r)^{(t+D)}}\right]\left(A(1+L)\right)}$$

The calculator parameters in the above equation and values used to calculate starting mitigation ratios for CEMP are as follows:

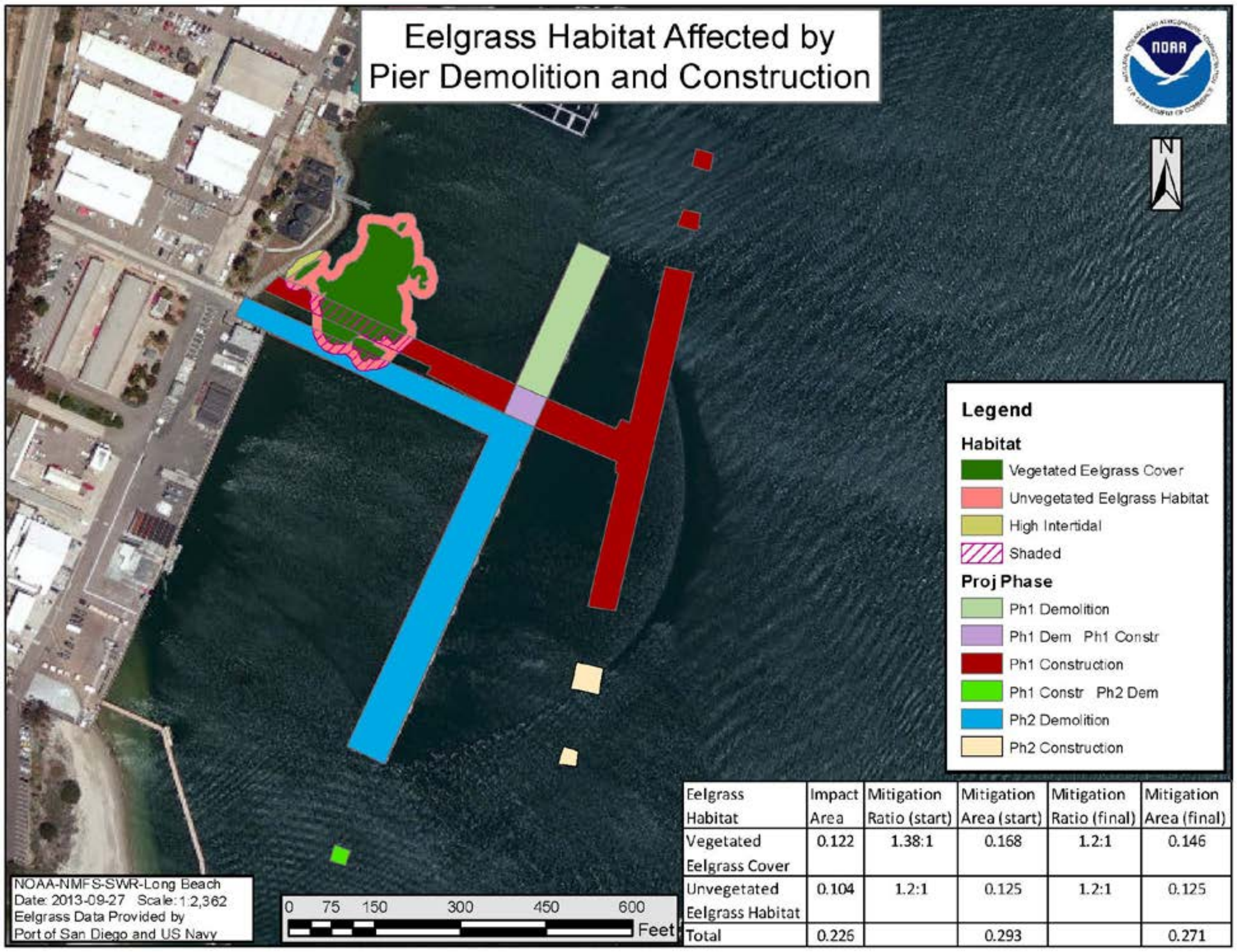
Symbol	Calculator Parameter	Value
A	The level of habitat function provided at the mitigation site prior to the mitigation project	0%
B	The maximum level of habitat function that mitigation is expected to attain, if it is successful	100%
C	The number of years after construction that the mitigation project is expected to achieve maximum function	3 yrs
D	The number of years before destruction of the impacted wetland that the mitigation project begins to generate habitat function	0 yrs
E	The percent likelihood that the mitigation project will fail and provide none of the anticipated benefits	various*
L	The percent difference in expected habitat function based on differences in landscape context of the mitigation site when compared with the impacted wetland	0%
k	The percent likelihood that the mitigation site, in the absence purchase or easement would be developed in any future year	0%
r	The discount rate used for comparing gains and losses that accrue at different times in terms of their present value	3%**
Tmax	The time horizon used in the analysis (chosen to maintain 1.2:1 ratio at E=100% and other parameter values listed above).	13 yrs

* The value for E was based on regional history of success in eelgrass mitigation and varied between regions (see Attachment X).

** NOAA suggests the use of a 3 percent real discount rate for discounting interim service losses and restoration gains, unless a different proxy for the social rate of time preference is more appropriate. (NOAA-DARP 1999) We use this value here, because it is based on best available information and is consistent with the NOAA Damage Assessment and Restoration Program.

ATTACHMENT 6. Example calculations for application of starting and final mitigation ratios for impacts to eelgrass habitat in southern California.

In this example, a pier demolition and construction would impact 0.122 acres of vegetated eelgrass habitat (dark green) and 0.104 acres of unvegetated habitat (pink). Area of impact is indicated by purple hatch mark. Application of recommended starting mitigation ratio for southern California (1.38:1) and final mitigation ratio (1.2:1) to compute starting and final mitigation area for this example are shown in the table.



Eelgrass Habitat	Impact Area	Mitigation Ratio (start)	Mitigation Area (start)	Mitigation Ratio (final)	Mitigation Area (final)
Vegetated Eelgrass Cover	0.122	1.38:1	0.168	1.2:1	0.146
Unvegetated Eelgrass Habitat	0.104	1.2:1	0.125	1.2:1	0.125
Total	0.226		0.293		0.271

ATTACHMENT 7. Example mitigation area multipliers for delay in initiation of mitigation activities.

Delays in eelgrass transplantation result in delays in ultimate reestablishment of eelgrass habitat values, increasing the duration and magnitude of project effects to eelgrass. The delay multipliers in the table below have been generated by altering the implementation start time within "The Five-Step Wetland Mitigation Ratio Calculator" (King and Price 2004).

MONTHS POST-IMPACT	**DELAY MULTIPLIER (Percent of Initial Mitigation Area Needed)**
0-3 mo	100%
4-6 mo	107%
7-12 mo	117%
13-18 mo	127%
19-24 mo.	138%
25-30 mo.	150%
31-36 mo	163%
37-42 mo.	176%
43-48 mo.	190%
49-54 mo.	206%
55-60 mo.	222%

ATTACHMENT 8. Summary of Eelgrass Transplant Actions in California

See table starting next page.

SUMMARY OF EELGRASS (*ZOSTERA MARINA*) TRANSPLANT PROJECTS IN CALIFORNIA

No.	Region	System	Location	Year	Size*	Type**	Consistent with Permit Conditions	Success Status***	Net Result****
Southern California Eelgrass Restoration History									
	Southern	San Diego Bay	North Island	1976	<0.1	SP	yes	no	-
	Southern	San Diego Bay	"Delta" Beach	1977	1.6	SP	yes	partial	-
	Southern	San Diego Bay	North Island	1978	<0.1	SP	yes	yes	+
	Southern	Newport Bay	Carnation Cove	1978	<0.1	SP	no	no	-
	Southern	Newport Bay	West Jetty	1980	<0.1	SP	yes	partial	0
	Southern	Mission Bay	multiple beaches	1982	<0.1	SP	no	partial	0
	Southern	LA/LB Harbor	Cabrillo Beach	1985	<0.1	BR	yes	yes	+
	Southern	Alamitos Bay	Peninsula	1985	<0.1	BR	yes	yes	+
	Southern	Huntington Hbr.	Main Channel	1985	<0.1	BR	yes	no	0
	Southern	Newport Bay	Upper	1985	<0.1	BR	yes	no	0
	Southern	Mission Bay	Sail Bay	1986	2.7	BR	yes	yes	+
	Southern	San Diego Bay	NEMS I	1987	3.8	BR	no	yes	+
	Southern	San Diego Bay	Chula Vista Wildlife Reserve	1987	<0.1	BR	yes	no	+[1]
	Southern	San Diego Bay	Harbor Island	1988	0.1	BR	yes	yes	+
	Southern	Huntington Harbour	Entrance Channel	1989	0.1	BR	no	yes	+
	Southern	San Diego Bay	Le Meridien Hotel	1990	<0.1	BR	yes	yes	+
	Southern	San Diego Bay	Embarcadero	1991	<0.1	BR	yes	yes	+[2]
	Southern	Mission Bay	Sea World Lagoon	1991	<0.1	BR	yes	yes	+
	Southern	San Diego Bay	Loew's Marina	1991	<0.1	BR	yes	yes	+
	Southern	San Diego Bay	NEMS 2	1993	<0.1	BR	yes	yes	+
	Southern	San Diego Bay	Sea Grant Study	1993	<0.1	BR	yes	yes	+
	Southern	Agua Hedionda Lagoon	Outer Lagoon	1993	<0.1	BR	yes	yes	+
	Southern	San Diego Bay	NEMS 5	1994	0.4	BR	yes	yes	+
	Southern	Mission Bay	South Shores Basin	1994	2.9	BR	yes	yes	+
	Southern	Talbert Marsh	Talbert Channel	1995	<0.1	BR	na	yes	+[4]
	Southern	Mission Bay	various sites	1995	4.8	BR	yes	yes	+
	Southern	Mission Bay	Ventura Cove[5]	1996	0.5	BR	yes	yes	+[6]
	Southern	Mission Bay	Santa Clara Cove	1996	<0.1	BR	yes	no	0[10]
	Southern	Mission Bay	West Mission Bay Drive Bridge	1996	<0.1	BR	no	yes	0[10]
	Southern	Mission Bay	De Anza Cove	1996	<0.1	BR	yes	yes	+
	Southern	Batiquitos Lagoon	all basins	1997	21.6[7]	BR	yes	yes	+[4]
	Southern	San Diego Bay	NEMS 5	1997	7.1	BR	yes	yes	+
	Southern	San Diego Bay	Convair Lagoon	1998	2.5	BR	yes	no	-[12]
	Southern	San Diego Bay	NEMS 6	1999	0.3	BR	yes	yes	+
	Southern	Aqua Hedionda	Bristol Cove	1999	0.3	BR	yes	yes	+
	Southern	Aqua Hedionda	Middle Lagoon and Inner Lagoon	1999	4	BR	yes	yes	+
	Southern	Newport Bay	Balboa Is.Grand Cana	1999	<0.1	BR	yes	yes	+
	Southern	Mission Bay	West Ski Island	2001	0.2	BR	yes	yes	+

No.	Region	System	Location	Year	Size*	Type**	Consistent with Permit Conditions	Success Status***	Net Result****
	Southern	San Diego Bay	Expanded NEMS 6	2001	0.6	BR	yes	yes	+
	Southern	Newport Bay	USCG Corona del Mar	2002	<0.1	BR	yes	yes	+
	Southern	Huntington Harbour	Sunset Bay	2002	<0.1	BR	yes	yes	+
	Southern	San Diego Bay	Navy Enhancement Is.	2002	1	BR	yes	yes	+
	Southern	San Diego Bay	Coronado Bay Bridge	2003	0.3	BR	no	no	0
	Southern	LA Harbor	P300 Expansion Area	2003	5.9	BR	yes	partial	-[9]
	Southern	Newport Bay	Newport Bay Channel Dredging	2004	0.4	BR	yes	no	-
	Southern	San Diego Bay	South Bay Borrow Pit	2004	4.2	BR	yes	yes	pending[8]
	Southern	San Diego Bay	USCG ATC Pier	2004	0.1	BR	yes	yes	+
	Southern	San Diego Bay	South Bay Borrow Pit Sup.	2006	4.2	BR	yes	yes	pending[8]
	Southern	San Diego Bay	D Street Marsh	2006	0.3	BR	yes	pending	pending
	Southern	LA Harbor	P300 Supplement	2007	0.8	BR	yes	yes	pending
	Southern	San Diego Bay	Glorietta Bay Shoreline Park	2007	0.2	BR	yes	yes	pending
	Southern	Bolsa Chica	Pilot Eelgrass Restoration	2007	0.5	BR	yes	yes	+[4]
	Southern	San Diego Bay	Borrow Pit Supplement	2007	4.2	BR	yes	yes	pending[8]
	Southern	San Diego Bay	Sweetwater Silvergate Frac-out	2008	<0.1	BR	yes	yes	0[11]
	Southern	San Diego Bay	Harbor Drive Bridge/NTC Channel	2009	<0.1	BR	yes	pending	pending
Southern California Eelgrass Success Rate (1989-2009, Last 20 Years)								**87%**	**n=43**
Central California Eelgrass Restoration History									
	Central	Morro Bay	Anchorage Area	1985	<0.1	BR	no	yes	+
	Central	Morro Bay	Target Rock	1997	<0.1	BR	no	yes	+
	Central	Morro Bay	Morro Bay Launch Ramp	2000	<0.1	BR	yes	yes	+
	Central	Morro Bay	Mooring Area A1	2002	0.3	BR	yes	yes	+
	Central	Morro Bay	Western Shoal	2010	0.8	BR	yes	pending	pending
Central California Eelgrass Success Rate (1985-2009, Inadequate History to Exclude Older Projects)								**100%**	**n=4**
San Francisco Bay Eelgrass Restoration History									
	San Francisco Bay	San Francisco Bay	Richmond Training Wall	1985	<0.1	BR	NA	no	NA[4]
	San Francisco Bay	San Francisco Bay	Keil Cove and Paradise Cove	1989	0.1	Plugs	NA	partial	NA[4]
	San Francisco Bay	San Francisco Bay	Bayfarm Island/Middle Harbor Shoal	1998	0.1	BR and Plugs	NA	partial	NA[4]
	San Francisco Bay	San Francisco Bay	Bayfarm Island	1999	0.1	BR	NA	partial	NA[4]
	San Francisco Bay	San Francisco Bay	Brickyard Cove, Berkeley	2002	0.2	BR	yes	yes	+[13]
	San Francisco Bay	San Francisco Bay	Emeryville Shoals	2002	0.1	Mixed Test	NA	no	NA[4]
	San Francisco Bay	San Francisco Bay	Marin CDay, R&GC, Audubon	2006	0.6	Seed Bouy	NA	partial	pending[4]
	San Francisco Bay	San Francisco Bay	Marin CDay, R&GC, Audubon	2006	<0.1	mod. TERFS	NA	partial	pending[4]
	San Francisco Bay	San Francisco Bay	Marin CDay, R&GC, Audubon	2006	<0.1	Seeding	NA	no	NA[4]
	San Francisco Bay	San Francisco Bay	Clipper Yacht Harbor, Sausalito	2007	<0.1	Frames	yes	pending	pending
	San Francisco Bay	San Francisco Bay	Albany, Emeryville, San Rafael	2007	<0.1	BR	NA	partial	pending[4]
	San Francisco Bay	San Francisco Bay	Belvedere	2008	<0.1	Frames	yes	pending	pending
San Francisco Bay Eelgrass Success Rate (1985-2009, Inadequate History to Exclude Older Projects)								**40%**	**n=10**

No.	Region	System	Location	Year	Size*	Type**	Consistent with Permit Conditions	Success Status***	Net Result****
Northern California Eelgrass Restoration History									
	Northern	Humboldt Bay	Indian Island	1982	unknown	BR	unknown	no	-
	Northern	Bodega Harbor	Spud Point Marina	1984	1.3	BR	yes	no	-
	Northern	Humboldt Bay	Indian Island	1986	<0.1	BR	yes	no	-
	Northern	Humboldt Bay		1986	0.2	unknown	unknown	no	-
	Northern	Humboldt Bay	SR255 Bridge	2004	<0.1	BR	yes	no	-
	Northern	Humboldt Bay	Maintenance Dredging Project	2005	<0.1	BR	yes	yes	+
Northern California Eelgrass Success Rate (1982-2009, Inadequate History to Exclude Older Projects)								**25%**	**n=4**

* size in hectares
SP = sediment laden plug
** BR = bare root
*** success status is measured as yes, no, partial, pending, or unknown. Success rate is reported as percentage of sucessful over total completed within the past 25 years.
yes = 1, partial = 0.5, no = 0, and pending or unknown are not counted in either the numerator or denominator in determining success percentage.
**** + = net increase in eelgrass coverage, 0 = no change in eelgrass coverage, - = net decrease in eelgrass coverage

1 Transplant was initially adversely impacted by an unknown source of sediment and was deemed unsuitable.
2 The transplant declined initially and later recovered from what was determined to be a one time sedimentation event.
3 Transplant was experimental due to dense beds of the exotic muscle *Musculista senhousia*
which inhibited the growth of the transplant. Replacement transplant done elsewhere.
Transplant was completed in an area deemed unsuitable. Insufficient coverage required the construction of a remedial site.
Monitoring continues at both the initial and remedial sites.
4 Transplant was experimental.
5 Multiple sites.
6 Mitigation for marina at Princess Resort, project not built
7 Amount of eelgrass present within all basins as of 2000 mapping.
8 Regional eelgrass decline has resulted in die-offs both within restoration and reference areas equally full recovery had not occurred at the time of evaluation, yet project exceeds control-corrected requ
9 Original site was constructed as a plateau that was underfilled and anticipated to fall short of objectives. A supplemental
transplant was therefore completed when development began to exhibit shortfalls in area.
10 Shortfall mitigated by withdraw from established eelgrass mitigation bank.
11 Exception conditions from SCEMP requiring only replacement in place for unanticipated damage
12 Mitigated out-of-kind with non-eelgrass to satisfy permit requirements after shortfall in eelgrass mitigation.

NOAA's Fisheries Northwest and Southwest Regions	***U.S. Fish and Wildlife Service Regions 1 & 8***	***California/Washington/ Oregon Departments of Transportation***	***California Department of Fish and Game***	***U.S. Federal Highway Administration***

MEMORANDUM

June 12, 2008

From: Fisheries Hydroacoustic Working Group

Subject: Agreement in Principle for Interim Criteria for Injury to Fish from Pile Driving Activities

To: Applicable Agency Staff

The signatory agencies, identified below, have agreed in principle to use the attached Interim Criteria for Injury to Fish from Pile Driving Activities. The agreement was concluded at a meeting in Vancouver, Washington on June 10-11, 2008 with key technical and policy staff from the Federal Highway Administration, NOAA Fisheries, U.S. Fish and Wildlife Service, the Departments of Transportation from California, Oregon, and Washington; and national experts on sound propagation activities that affect fish and wildlife species of concern. The agreed upon criteria identify sound pressure levels of 206 dB peak and 187 dB accumulated sound exposure level(SEL) for all listed fish except those that are less than 2 grams. In that case, the criteria for the accumulated SEL will be 183 dB.

These criteria will apply to all new projects beginning no later than 60 days from the date of this memorandum. During the interim 60 day period, the Transportation Agencies will work with the Services to identify projects currently in the consultation process and reach agreement on which criteria will be used to assess project effects.

The agencies agree to review the science periodically and revise the threshold and cumulative levels as needed to reflect current information. Behavioral impacts to fish and impacts to marine mammals are not addressed in this agreement. Sub-injurious effects will continue to be discussed in future meetings.

The respective agencies also agree to develop appropriate training for staff on these revised criteria, as well as a process to review and possibly refine the criteria, when appropriate.

For questions or concerns about the revised criteria, we recommend staff contact their agency environmental coordinator or agency expert on pile driving issues.

Carol G. Adkins

Federal Highway Administration*

*FHWA supports the use of these interim criteria in the states signing this agreement in principle. FHWA leaves the schedule for implementation to the discretion of the state DOTs in cooperation with their respective FHWA Division Offices and the Services.

Michael Tehan

NOAA Fisheries – NWR

Russell M Strach

NOAA Fisheries – SWR

Ken S Berg

US Fish and Wildlife Service Region 1

Michael E Dayers Jr.

US Fish and Wildlife Service Region 8

California Department of Transportation

California Department of Fish and Game

Geo-Environmental Mgr

Oregon Department of Transportation

Washington State Department of Transportation

Washington State
Department of
Transportation

FHWG Agreement in Principle
Technical/Policy Meeting Vancouver, WA
June, 11 2008

Interim Criteria for Injury	Agreement in Principle
Peak	206 dB (for all size of fish)
Cumulative SEL	187 dB - for fish size of two grams or greater. 183 dB - for fish size of less than two grams.*

**see Table—to be developed*

Lily Tsukayama

From: Gowens Ed <egowens@san.org>
Sent: Thursday, January 2, 2025 2:59 PM
To: Lily Tsukayama
Cc: Redman Ralph; Hollarn Garret; Noyce Sidney; Anasis Ted; Tamura Lynda
Subject: UPD EIR 2024-104 - Shelter Island Commercial Fishing Wharf NOP

Ms Tsukayama:

As the Airport Land Use Commission (ALUC) for San Diego County, the Airport Authority appreciates notice of preparation of a draft Environmental Impact Report for the Shelter Island Commercial Fishing Wharf project at 4918 North Harbor Drive.

The project site is not located within the noise contours or safety zones of the San Diego International Airport (SDIA) Airport Land Use Compatibility Plan (ALUCP), so no determination of consistency with the SDIA ALUCP is required from our agency as the ALUC.

However, the project site is located within the airspace notification area in which notice of project construction is required to be given to the Federal Aviation Administration (FAA) unless the project meets shielding criteria, i.e., that it would be substantially shielded by existing taller structures in the immediate project vicinity such that it could not reasonably constitute a hazard to air navigation—including any temporary construction cranes employed to facilitate the project. ALUC staff recommends that the project sponsor certify any shielding status if that is invoked in lieu of FAA notice. Otherwise, a determination of no hazard to air navigation for any project structures and associated construction cranes should be solicited and obtained from the FAA through its Form 7460-1 submittal and review process prior to any construction of the project, including associated cranes, if applicable.

Thanks again for the notification of the project.

Regards,

Ed Gowens
Senior Airport Planner
Airport Land Use Commission
San Diego County Regional Airport Authority
Post Office Box 82776
San Diego, California 92138-2776
voice (619) 400-2244

San Diego County Archaeological Society, Inc.

Environmental Review Committee

January 20, 2025

To: Ms. Lily Tsukayama, Program Manager
Planning Department
Port of San Diego
3165 Pacific Highway
San Diego, California 92101

Subject: Notice of Preparation of a Draft Environmental Impact Report
Shelter Island Commercial Fishing Wharf Project
UPD #EIR-2024-104

Dear Ms. Manaois:

Thank you for the subject Notice of Preparation, which we received last month.

I was unable to locate any information on the proposed project on the Porty District's website, so it is assumed that cultural resources, both archaeological and built environment, will be addressed in the DEIR.

Regarding built environment, the typical approach would be to consider resources 45 or more years of age, not 50, to account for resources which might reach the 50-year threshold during the time the project is in processing.

Regarding archaeological resources, consideration should be given to the source and date of the fill placement in the project area, as it could potentially include historic material.

We look forward to reviewing the DEIR when the public review period begins. Please ensure that we receive notice at that time, and that a copy of the cultural resources technical report that has been edited for public distribution is available.

Sincerely,

James W. Royle, Jr.

James W. Royle, Jr., Chairperson
Environmental Review Committee

cc: SDCAS President
File

P.O. Box 81106 San Diego, CA 92138-1106 (858) 538-0935

SAN DIEGO COUNTY ARCHAEOLOGICAL SOCIETY

San Diego County
Archaeological Society
P.O. Box 81106
San Diego, CA 92138-1106

SAN DIEGO CA 920
21 JAN 2025 PM 2 L

forever usa

Ms. Lily Tsukayama, Program Manager
Planning Department
Port of San Diego
3165 Pacific Highway
San Diego, CA 92101

92101-112865

Appendix C

Environmental Checklist

TABLE OF CONTENTS

LIST OF ABBREVIATIONS

BMP	Best Management Practices
CAAQS	California Ambient Air Quality Standards
CAL FIRE	California Department of Forestry and Fire Protection
Caltrans	California Department of Transportation
CBC	California Code of Regulations
CERP	Community Emissions Reduction Program
Coronado Bridge	San Diego–Coronado Bridge
CWA	Clean Water Act
District	San Diego Unified Port District
DOC	California Department of Conservation
Driscoll's	Driscoll's Wharf
EOP	Emergency Operations Plan
HPD	Harbor Police Department
MCAS	Maritime Clean Air Strategy
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
PM_{10}	particulate matter with an aerodynamic resistance diameter of 10 micrometers or less
$PM_{2.5}$	particulate matter with an aerodynamic resistance diameter of 2.5 micrometers or less
PMP	Port Master Plan
RWQCB	Regional Water Quality Control Board
SCIC	South Coastal Information Center
SDAB	San Diego Air Basin
SDAPCD	San Diego Air Pollution Control District
SDFRD	San Diego Fire Rescue Department
SDHP	San Diego Harbor Police
SDPD	San Diego Police Department
SR	State Route
SRA	State Responsibility Area
SWRCB	State Water Resources Control Board
USACE	U.S. Army Corps of Engineers
VHFHSZ	very high fire hazard severity zones
VMT	vehicle miles traveled

ENVIRONMENTAL CHECKLIST

PROJECT INFORMATION

1.	Project Title:	Shelter Island Commercial Fishing Wharf Project
2.	Lead Agency Name and Address:	San Diego Unified Port District (District) 3165 Pacific Highway San Diego, CA 92101
3.	Contact Person and Phone Number:	Lily Tsukayama, (619) 686-8199
4.	Project Location:	The project site is within the existing Driscoll's Wharf leasehold, located on District property, at 4918 North Harbor Drive in San Diego, California. The leasehold encompasses 2.9 acres of landside area, and 5.7 acres of water-side area. The project site also includes an additional approximately 0.7-acre area where the floating wave attenuator is proposed. The proposed demolition activities would occur within the waterside area of the leasehold, as well as approximately 0.4-acre of the landside of the leasehold. Figure 1 of the NOP provides a project vicinity map.
5.	Project Sponsor's Name and Address:	San Diego Unified Port District (District) 3165 Pacific Highway San Diego, CA 92101 Driscoll Marina, Ltd, dba Driscoll's Wharf 4918 North Harbor Drive San Diego, CA 92106
6.	Port Master Plan Designation:	Commercial Fishing (land), Promenade (land), Commercial Fishing Berthing (water), and Navy Small Craft Berthing (water)

8. Description of Project:

The proposed project is the modernization of the existing commercial fishing marina at the existing Driscoll's Wharf (Driscoll's) leasehold area. Proposed actions would include a tenant (Driscoll Marina Ltd.) sponsored demolition component, which is a condition of the lease, and a San Diego Unified Port District (District) sponsored waterside development component. The demolition component would remove Piers 4, 5, 6, 7, and 8; demolish Building E and a small hazardous material storage shed; and remove all soil, groundwater, and sediment contaminants from the leased premises. The District proposes to reconstruct and operate Piers 4, 5, 6, 7, and 8, which would also include new gangways, headwalks connecting piers, and a floating wave attenuator to the east of the existing leasehold. Coastal Development Permits (CDPs) are required to implement the proposed project.

9. **Surrounding Land Uses and Setting:**
The project site is within and adjacent to the San Diego Bay in a commercialized area of the waterfront. Commercial land uses to the northwest of the project site include restaurants, yacht sales, and office land uses. Water uses to the west consist of marinas. Military land uses to the north, east, and southeast of the project site include Naval Base Point Loma Harbor Drive Annex. San Diego Bay is southeast of the project site. A vessel navigation corridor is located southwest of the project site. Land uses north of the project site across North Harbor Drive include hotel, residential, and commercial land uses. The nearest residence is approximately 950 feet northwest of the project site and is separated from the project site by North Harbor Drive and commercial uses.

10. **Other public agencies whose approval is required: (e.g., permits, financing approval, or participation agreement)**
The District is the primary approval authority for the project. District discretionary approvals would include the following:

- Adoption of the Environmental Impact Report
- Adoption of Findings of Fact
- Adoption of the Mitigation Monitoring and Reporting Program
- Approval of Coastal Development Permit for Demolition
- Approval of Coastal Development Permit for Construction
- Approval of the project

Additional subsequent approvals and other permits that may be required from local, regional, state, and federal agencies include, but are not limited to the following:

- U.S. Army Corps of Engineers (USACE) – Individual or Nationwide Permit, per the Clean Water Act (CWA) Section 404 Permit (33 U.S. Code Section 1341) and Rivers and Harbors Act Section 10 Permit
- San Diego Regional Water Quality Control Board (RWQCB) – Stormwater Construction General Permit and CWA Section 401 Water Quality Certification
- San Diego County Air Pollution Control District – Permits for diesel generators
- City of San Diego – Issuance of ministerial permits (e.g., demolition and grading)

11. **Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code section 21080.3.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?**
No California Native American tribes have requested consultation pursuant to Public Resources Code section 21080.3.1.

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages. Where checked below, the topic with a potentially significant impact will be addressed in an environmental impact report.

☐ Aesthetics	☐ Agriculture and Forest Resources	☒ Air Quality
☒ Biological Resources	☒ Cultural Resources	☒ Energy
☐ Geology / Soils	☒ Greenhouse Gas Emissions	☒ Hazards / Hazardous Materials
☒ Hydrology / Water Quality	☒ Land Use / Planning	☐ Mineral Resources
☒ Noise	☐ Population / Housing	☐ Public Services
☐ Recreation	☒ Transportation	☐ Tribal Cultural Resources
☐ Utilities / Service Systems	☐ Wildfire	☒ Mandatory Findings of Significance

DETERMINATION (To be completed by the Lead Agency)

On the basis of this initial evaluation:

☐ I find that the proposed project could not have a significant effect on the environment, and a **NEGATIVE DECLARATION** will be prepared.

☐ I find that although the proposed project COULD have a significant effect on the environment, there WILL NOT be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A **MITIGATED NEGATIVE DECLARATION** will be prepared.

☒ I find that the proposed project **MAY** have a significant effect on the environment, and an **ENVIRONMENTAL IMPACT REPORT** is required.

☐ I find that the proposed project **MAY** have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An **ENVIRONMENTAL IMPACT REPORT** is required, but it must analyze only the effects that remain to be addressed.

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier **EIR** or **NEGATIVE DECLARATION** pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier **EIR** or **NEGATIVE DECLARATION**, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

[signature]	12/19/24
Signature	Date
Lesley Nishihira	Assistant Vice President, Planning
Printed Name	Title
San Diego Unified Port District	
Agency	

EVALUATION OF ENVIRONMENTAL IMPACTS

1. A brief explanation is required for all answers except “No Impact” answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A “No Impact” answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A “No Impact” answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
2. All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
3. Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. “Potentially Significant Impact” is appropriate if there is substantial evidence that an effect may be significant. If there are one or more “Potentially Significant Impact” entries when the determination is made, an EIR is required.
4. “Negative Declaration: Less Than Significant With Mitigation Incorporated” applies where the incorporation of mitigation measures has reduced an effect from “Potentially Significant Impact” to a “Less Than Significant Impact.” The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from “Earlier Analyses,” as described in (5) below, may be cross-referenced).
5. Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:
    a) Earlier Analysis Used. Identify and state where they are available for review.
    b) Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
    c) Mitigation Measures. For effects that are “Less than Significant with Mitigation Measures Incorporated,” describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.
6. Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
7. Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
8. This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project’s environmental effects in whatever format is selected.
9. The explanation of each issue should identify:
    a) the significance criteria or threshold, if any, used to evaluate each question; and
    b) the mitigation measure identified, if any, to reduce the impact to less than significance.

AESTHETICS

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
I. Aesthetics.				
Except as provided in Public Resources Code section 21099 (where aesthetic impacts shall not be considered significant for qualifying residential, mixed-use residential, and employment centers), would the project:				
a) Have a substantial adverse effect on a scenic vista?	☐	☐	☒	☐
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	☐	☐	☒	☐
c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage points.) If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☐	☒	☐
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☐	☒	☐

Discussion

a) Have a substantial adverse effect on a scenic vista?

Less-than-significant impact. Within the District's jurisdiction, the District Port Master Plan (PMP) designates vista areas, which are defined as "points of natural beauty, photo vantage points, and other panoramas" (District 2024a). The PMP is intended to guide development within vista areas to preserve and enhance these areas of scenic and visual importance (District 2024a).

The project site is within Planning District 1 (Shelter Island) of the PMP, which contains seven vista areas:

1. A vista area located along the southwestern tip of the island, adjacent to the Japanese Friendship Bell and Public Art "Pearl of the Pacific" attractions, providing scenic vistas of San Diego Bay to the south, and is located approximately 1.2 miles southwest of the project site;
2. A vista area from the Shelter Island Pier, providing scenic vistas of San Diego Bay to the southeast, and is located approximately 0.83 miles southwest of the project site;
3. A vista area located along the northeastern tip of the island, adjacent to Shoreline Park and the restaurant Bali Hai, providing scenic vistas of San Diego Bay to the east, and is located approximately 0.2 miles southwest of the project site;
4. A vista area from the eastern terminus of Kellogg Street, providing scenic vistas of the inlet into the Shelter Island Yacht Basin and the southwestern tip of Shelter Island to the east, and is located approximately 1.32 miles southwest of the project site;
5. A vista area from the conjunction of Talbot Street and Anchorage Lane, providing scenic vistas of the Shelter Island Yacht Basin to the south, and is located approximately 0.58 miles southwest of the project site;

6. A vista area from a surface parking lot on the southwestern corner of Shelter Island Drive and Anchorage Lane, providing scenic vistas of the Shelter Island Yacht Basin, and is located approximately 0.36 miles southwest of the project site; and
7. A vista area from the eastern boundary of the Point Loma Marina and Driscoll Wharf (the project site), providing scenic vistas of the America's Cup Harbor, which includes a portion of the project site (District 2024a: Figure 4).

All of these vista areas provide views of the San Diego Bay, the Shelter Island Yacht Basin, or the southwestern tip of Shelter Island, and only one includes views of the project site. The vista area with a view of the project site is the vista area at the eastern boundary of the Point Loma Marina, within the project site, and northeasterly of America's Cup Harbor. This vista area provides a viewshed that includes the project site, as shown in Figure 4 of the PMP (District 2024a).

Within the Final Draft Port Master Plan Update (PMPU), the project site is within the Shelter Island Planning District. As shown in Final Draft PMPU Figure PD1.4, Coastal Access Views and Pathways, there are a total of 10 scenic vista areas within this planning district: Kellogg Beach, Yokohama Friendship Bell, Shelter Island Pier, Shelter Island Drive, Shelter Island Boat Launch, Shelter Island Roundabout, two views associated with America's Cup Habor, Point Loma Marina Park, Shelter Island Drive (entry segment), a view of the Shelter Island Yacht Basin, and a view of the La Playa Trail (District 2023a). Three of these scenic vista areas have viewsheds that overlap with the project site: two views of America's Cup Harbor, within the East Shelter Island Subdistrict, and one view associated with the Point Loma Marina Park (District 2023a: Figure PD1.4). In addition, the Final Draft PMPU includes five view corridor extensions down the following roadways and towards the bay within the Shelter Island Planning District: Bessemer Street, Nichols Street, McCall Street, Dickens Street, and Garrison Street. The project site is not located within any of the five view corridor extensions.

Existing views from the vista area [in the existing PMP] within the project site feature open water views of America's Cup Harbor punctuated by marine vessels moored to existing piers, an existing jib crane located on the offloading pier (Pier 4); and commercial fishing vessel loading and unloading activities.

During construction, the project would result in the temporary use of large construction equipment like pile drivers that could interrupt the view from the existing on-site scenic vista. However, construction activities would be temporary, transitory, and any obstruction of portions of the scenic vista would be short in duration (limited primarily to Pier 4, which already has a jib crane and frequent commercial fishing vessels docking at the pier).

During operation, commercial fishing operations would continue similar to existing conditions and reconstructed piers would not obstruct views of open water. Because the existing deteriorated piers would be replaced with new floating boat docks and slips, the quality of the existing view would be improved. Therefore, the project would not result in an adverse effect on a scenic vista. Impacts would be less than significant and further discussion in the EIR is not warranted.

b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

Less-than-significant impact. The project site is in an area that is urban and developed with maritime-related commercial uses (e.g., recreational marinas, yacht brokers, commercial fishing). There are no scenic rock outcroppings on the project site. There are trees in the parking lot, but none are designated as scenic resources. The nearest state scenic highway that is officially designated by the California Department of Transportation (Caltrans) is a portion of State Route (SR) 163 that travels north-south through Balboa Park, approximately 4 miles east of the project site; and the San Diego–Coronado Bridge (Coronado Bridge), which is a 1.4-mile segment on SR 75 located approximately 4 miles southeast of the project site (Caltrans 2024). Coronado Bridge spans the San Diego Bay, connecting the City of San Diego to the City of Coronado. For traveling motorists, Coronado Bridge offers views of the San Diego Bay and Downtown San Diego to the north, including high-rise residential, commercial, and urban developments. Due to the distance and intervening urban development and vegetation, the project site is not clearly visible from either scenic highway. Even during project construction, when large equipment such as cranes and pile drivers would be temporarily present within the project site, viewer sensitivity from the Coronado Bridge would be considered low because motorists would generally focus on the roadway and would have limited and momentary distant views of the project site. Following construction, the project site would be returned to a similar condition as the existing setting. Therefore, the project would not substantially damage scenic resources within a state scenic highway and impacts would be less than significant. Further discussion in the EIR is not warranted.

c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage points.) If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?

Less-than-significant impact. The project site is in an urbanized area that is developed entirely with maritime-related commercial uses. The existing water and land use designations include Commercial Fishing Berthing and Navy Small Craft Berthing (water), and Promenade and Commercial Fishing (land), in the PMP (District 2024a). Within the Final Draft PMPU, the project site has a water and land use designation of Commercial Fishing Berthing (water) and Commercial Fishing (land), respectively (District 2024b).

The project would not expand the existing use of the project site or expand existing commercial fishing operations. In addition, the project would not require changes to existing land use designations under the current PMP or under the Final Draft PMPU. The PMP establishes general development standards for each land and water use designations, and for the Shelter Island Planning District identifies a maximum height of 41 feet above mean lower low water (approximately 26 feet above ground level). In addition, the PMP states that buildings in the Shelter Island Planning District should have low-profile silhouettes to maintain an inviting pedestrian scale, and that the location of all structures on the site should enhance the waterfront by accentuating the land-water interface. The project would not construct any new buildings landside, and would replace the waterside facilities with similar waterside facilities. The project would not conflict with policies identified in the PMP for preserving visual access and vista areas. Further, the project would not conflict with policies identified in the Final Draft PMPU that protect views and physical access and require public access within view corridor extensions and scenic vista areas, and along pathways to be maintained. Therefore, the project would not conflict with applicable zoning and other regulations governing scenic quality and impacts would be less than significant. Further discussion in the EIR is not warranted.

d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

Less-than-significant impact. The project site is used as a wharf for commercial fishing boat mooring. Landside existing uses include surface parking, office buildings, outdoor storage areas, and other facilities associated with the commercial fishing industry; and waterside uses include piers and docks used to moor commercial fishing vessels. Existing light sources onsite include outdoor security lighting, lighting on commercial fishing vessels, onsite vehicles traveling to and from the project site, as well as spillover lighting from streetlamps, existing buildings adjacent to the project site, and vehicles from nearby roadways.

Construction work during night-time hours (between 7:00 p.m. and 7:00 a.m.) is not proposed. Additional temporary light sources may be required to illuminate work areas; however, this lighting would be directed onsite and would be of similar intensity to existing light sources throughout the project site and adjacent land uses. Following construction, the project site would be returned to a similar condition as the existing setting. The project proposes the installation of four new light poles, 14 feet in height at each concrete platform. Each slip would include the installation of a marina utility power pedestal, three feet in height, equipped with a low glare light that comes on in the evening. The proposed lighting would be similar in intensity and scale as the existing onsite lighting. Therefore, the project would not create substantial new sources of substantial light or glare that would adversely affect day or nighttime views in the area. Impacts would be less than significant. Further discussion in the EIR is not warranted.

AGRICULTURE AND FOREST RESOURCES

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
II. Agriculture and Forest Resources.				
In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997, as updated) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board.				
Would the project:				
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☐	☐	☒
b) Conflict with existing zoning for agricultural use or a Williamson Act contract?	☐	☐	☐	☒
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	☐	☐	☐	☒
d) Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒
e) Involve other changes in the existing environment, which, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☒

Discussion

a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?

No impact. According to the California Department of Conservation (DOC) Farmland Mapping and Monitoring Program, the project site is classified as Urban and Built-Up Land, and Water (DOC 2024a). There are no lands classified as Prime Farmland, Unique Farmland or Statewide Importance within the project site or adjacent area. Project construction and operation would be contained within the existing leasehold. Therefore, the project would not convert Important Farmland, Unique Farmland, or Farmland of Statewide Importance to non-agricultural use and there would be no impact. Further discussion in the EIR is not warranted.

b) Conflict with existing zoning for agricultural use or a Williamson Act contract?

No impact. The use designations for the project site are Commercial Fishing (land), Promenade (land), Commercial Fishing Berthing (water), and Navy Small Craft Berthing (water). The existing zoning/land use does not allow for agricultural use and no agricultural operations exist on the project site or adjacent areas. No Williamson Act contracts apply to the project site (DOC 2024b). Therefore, the project would not conflict with existing zoning for agricultural use or a Williamson Act contract and no impact would occur. Further discussion in the EIR is not warranted.

c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?

No impact. The use designations for the project site are Commercial Fishing (land), Promenade (land), Commercial Fishing Berthing (water), and Navy Small Craft Berthing (water). The project site is not zoned for forestland, timberland, or zoned Timberland Production. Further, there is no timberland present on or adjacent to the project site. Therefore, the project would not conflict with existing zoning/land use for forest land or timberland, and no impact would occur. Further discussion in the EIR is not warranted.

d) Result in the loss of forest land or conversion of forest land to non-forest use?

No impact. There is no forest land or timberland resources on or adjacent to the project site, which is in an urbanized portion of the City of San Diego. Therefore, the project would not result in the loss or conversion of forest land to non-forest use. No impact would occur.

e) Involve other changes in the existing environment, which, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use?

No impact. As discussed above, no agricultural, forest land, or timberland resources exist on or adjacent to the project site. Therefore, the project would not result in changes to the existing environment that could result in the conversion of farmland to non-agricultural use or conversion of forest land to non-forest use. No impact would occur. Further discussion in the EIR is not warranted.

AIR QUALITY

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
III. Air Quality.				
Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☒	☐
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	☒	☐	☐	☐
c) Expose sensitive receptors to substantial pollutant concentrations?	☒	☐	☐	☐
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☐	☐	☒	☐

Discussion

a) Conflict with or obstruct implementation of the applicable air quality plan?

Less-than-significant impact. The San Diego Air Basin (SDAB) is currently designated as a "nonattainment" area with respect to the National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) for ozone, and the CAAQS for particulate matter with an aerodynamic resistance diameter of 10 micrometers or less (PM_{10}) and particulate matter with an aerodynamic resistance diameter of 2.5 micrometers or less ($PM_{2.5}$). Air quality planning for San Diego County is under the jurisdiction of the San Diego Air Pollution Control District (SDAPCD).The San Diego Regional Air Quality Strategy (RAQS) outlines SDAPCD's plans and control measures designed to attain and maintain the state standards, while San Diego's portions of the SIP are designed to attain and maintain federal standards. The most recent state plan is the 2022 RAQS, was approved by the SDAPCD board on March 9, 2023. The most recent San Diego portion of the federal SIP is the 2020 Attainment Plan, which was approved by CARB on November 19, 2020 (SDAPCD 2024). Both the RAQS and SIP rely on emissions forecasts based on demographic and economic growth projections provided by city and county general plans, as well as the PMP. Projects whose growth is included in the projections used in the formulation of the RAQS and SIP are consistent with the RAQS and SIP and would not interfere with its implementation.

The proposed project would involve the demolition of the existing fish offloading pier (Pier 4) and Piers 5 through 8 followed by their reconstruction. Additionally, the project would include the demolition of Building E, which, after demolition, would remain undeveloped land under the proposed project with no future plans for redevelopment. No change in use would occur, no increase in commercial fishing operations would result, and the number of vessel slips within Piers 5-8 would not increase over the existing condition. Moreover, additional employees would not be needed once the project is operational. Thus, the project would not include components that would induce growth or change the use of the site. Because the proposed project would not modify land uses or result in an unanticipated increase in the residential population, the project would be consistent with the RAQS and SIP and potential impacts related to a conflict with applicable air quality plans would be less than significant.

Additionally, the District's Maritime Clean Air Strategy (MCAS) provides goals and objectives for the District's cargo terminals and shipyards located within the working waterfront, many of which focus on decreasing air emissions within the AB 617 Portside Community. None of the goals or objectives of the MCAS apply to the proposed project due to the type of use (commercial fishing wharf and marina) and its distant location from an AB 617 Portside Community. For the same reasons, the Community Emissions Reduction Program's (CERP's) goals and actions do not apply to the proposed project. Therefore, the proposed project would not conflict with the MCAS or CERP. Impacts would be less than significant and further discussion in the EIR is not warranted.

b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

Potentially significant impact. The SDAB is designated as a "nonattainment" area with respect to the NAAQS and CAAQS for ozone, and the CAAQS for $PM_{2.5}$ and PM_{10}. The trigger levels developed by SDAPCD used as mass emission thresholds for purposes of this analysis are tied to attaining and maintaining health-based standards. Projects that exceed these thresholds would result in a cumulative, regional contribution (i.e., significant) to the nonattainment status of the SDAB and may also contribute to adverse health impacts affecting nearby sensitive receptors.

The proposed project includes demolition and construction activities that would occur over several months. Therefore, the proposed project would have the potential to exceed SDAPCD's trigger levels for one or more criteria pollutants. This issue will be discussed within the EIR.

c) Expose sensitive receptors to substantial pollutant concentrations?

Potentially significant impact. Sensitive receptors include land uses where exposure to pollutants could result in health-related risks to sensitive individuals, such as children or the elderly. Residential dwellings, schools, hospitals, playgrounds, and similar facilities are of primary concern because of the presence of individuals particularly sensitive to pollutants and the potential for increased and prolonged exposure of individuals to pollutants. The project is located within the Shelter Island Planning District of the PMP. The nearest sensitive receptors include personnel barracks at the Naval Base Point Loma Harbor Drive Annex. Due to its proximity to the proposed project site, construction-related emissions may expose sensitive receptors to substantial pollutant concentrations. This issue will be discussed within the EIR.

d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Less-than-significant impact. Project operations would be similar to existing commercial fishing operations. No change in existing odors associated with commercial fishing would occur. Additionally, no additional odor generating uses, such as wastewater treatment facilities, sanitary landfills, composting facilities, petroleum refineries, chemical manufacturing plants, are proposed. Therefore, operation of the project would not expose a substantial number of people to any new objectionable odors.

During construction activities, minor odors from the use of heavy-duty diesel equipment would be intermittent and temporary, and would dissipate rapidly from the source with an increase in distance. Therefore, project construction is not anticipated to result in an odor-related impact. Consequently, odor-related impacts would be less than significant and further discussion in the EIR is not warranted.

BIOLOGICAL RESOURCES

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
IV. Biological Resources.				
Would the project:				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or the U.S. Fish and Wildlife Service?	☒	☐	☐	☐
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations or by the California Department of Fish and Wildlife or the U.S. Fish and Wildlife Service?	☒	☐	☐	☐
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☒	☐	☐	☐
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☒	☐	☐	☐
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☒	☐	☐	☐
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☒	☐	☐	☐

Discussion

a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or the U.S. Fish and Wildlife Service?

Potentially significant impact. The landside portion of the project site is fully developed and does not contain natural habitat suitable for special status plant species that would have the potential to be affected by project construction or operation. Project construction activities within the waterside portion of the project site would potentially cause substantial temporary noise from pile driving, increases in turbidity from sediment disturbance, and may have an increase in overwater coverage that could affect foraging habitat. Therefore, waterside construction- and operation-related activities would have the potential to significantly impact a sensitive species and will be discussed in the EIR.

b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations or by the California Department of Fish and Wildlife or the U.S. Fish and Wildlife Service?

Potentially significant impact. The landside portion of the project site is entirely developed and does not contain any natural habitat. Therefore, no terrestrial sensitive natural communities or riparian habitat would be adversely affected as a result of project implementation. Eelgrass habitat, which is present within the water portion of the project site, is considered a sensitive habitat, and is managed by National Marine Fisheries Service (NMFS) as Essential Fish Habitat (EFH). Proposed in-water construction activities would have the potential to substantially effect eelgrass from pile installation, shading from overwater floating docks, and shading from construction-related barges. This issue will be discussed in the EIR.

c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

Potentially significant impact. The landside portion of the project site is completely developed and does not contain any natural habitat, including state or federally protected wetlands. The waterside portion of the project site is located within San Diego Bay, which is considered a Water of the United States and State. Project implementation would not result in changes in operational activities and commercial fishing activities would continue; thus, project operation would not result in increased adverse effects on a Water of the U.S. or State relative to existing conditions.

However, construction of the in-water project elements may result in temporary turbidity from the disturbance of sediment from pile installation that could affect eelgrass habitat (see IV.b above). In addition, any fill or dredging within a Water of the United States or State would require approval by the USACE and Regional Water Board, respectively. This issue will be discussed within the EIR.

d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

Potentially significant impact. The landside portion of the project site is fully developed, does not contain natural terrestrial habitat that could function as a native wildlife nursery site, and is characterized by existing barriers to wildlife movement, including human-made structures. Moreover, it is surrounded by development and does not function as a wildlife movement corridor.

Aquatic wildlife, including fish, birds, and marine mammals, likely transit periodically through the marine environment in the project site to access foraging and resting habitat elsewhere in San Diego Bay or at sea. The project site also contains eelgrass, which is a nursery area for many commercially and recreationally important finfish and shellfish (Orth and Heck 2023). As discussed under IV a) and b), the proposed project has the potential to affect eelgrass, foraging habitat, and special-status wildlife species during construction. These impacts have the potential to substantially interfere with the movement of fish or other wildlife species or substantially impede the use of native wildlife nursery habitat and will be discussed in the EIR.

e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

Potentially significant impact. The applicable local land use plans, policies, ordinances, or regulations of the District, adopted for the purpose of protecting biological resources, are the PMP, San Diego Unified Port District Code, and the District's Integrated Natural Resource Management Plan (INRMP). The project would not result in any changes in existing uses of the project site. Rather, the project would result in the demolition of Piers 4-8, Building E, and the hazardous materials storage shed, followed by the reconstruction of Piers 4-8. Commercial fishing and commercial fishing vessel berthing would continue with the proposed project.

However, because there may be significant biological resource impacts, the proposed project would potentially conflict with the San Diego Bay INRMP. Therefore, this issue will be discussed in the EIR.

f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

Potentially significant impact. As discussed under IV. e), the project has the potential to conflict with the INRMP. Therefore, this issue will be discussed in the EIR.

CULTURAL RESOURCES

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
V. Cultural Resources.				
Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5?	☒	☐	☐	☐
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?	☒	☐	☐	☐
c) Substantially disturb human remains, including those interred outside of dedicated cemeteries?	☐	☐	☒	☐

Discussion

a) Cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5?

Potentially significant impact. Buildings and structures located on the project site are over 50 years old and therefore may constitute a historical resource. A historical resources evaluation report will be prepared and this issue will be addressed in the EIR.

b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?

Potentially significant impact. Although the shoreline and majority of the project site above ground is underlain by artificial fill, a records search with the South Coastal Information Center (SCIC) identified archaeological sites within 0.5 miles of the project site. Therefore, this issue will be addressed in the EIR.

c) Substantially disturb human remains, including those interred outside of formal cemeteries?

Less-than-significant impact. There are no known cemeteries or burials on the project site or immediate area. The proposed project and surrounding area are either fully developed or in active waters, and there is no record of human remains being identified during development of the area. For these reasons, the potential for human remains to be present at the project site is extremely low. However, if human remains are discovered, California law recognizes the need to protect Native American human burials, skeletal remains, and items associated with Native American burials from vandalism and inadvertent destruction. The procedures for the treatment of Native American human remains are contained in California Health and Safety Code Section 7050.5 and California Public Resources Code Section 5097.

These statutes require that, if human remains are discovered, potentially damaging ground-disturbing activities in the area of the remains shall be halted immediately, and the County coroner shall be notified immediately. If the remains are determined by the coroner to be Native American, the Native American Heritage Commission (NAHC) shall be notified within 24 hours and the guidelines of the NAHC shall be adhered to in the treatment and disposition of the remains. Following the coroner's findings, the NAHC-designated Most Likely Descendant and the landowner shall determine the ultimate treatment and disposition of the remains and take appropriate steps to ensure that additional human interments, if present, are not disturbed. The responsibilities for acting upon notification of a discovery of Native American human remains are identified in Public Resources Code Section 5097.94.

Compliance with California Health and Safety Code Section 7050.5 and California Public Resources Code Section 5097 would provide an opportunity to avoid or minimize the disturbance of human remains, and to appropriately treat any remains that are discovered. Therefore, through compliance with existing regulations, the proposed project's demolition and construction activities would not disturb any human remains, including those interred outside of formal cemeteries. As such, impacts would be less than significant. Further discussion in the EIR is not warranted.

ENERGY

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
VI. Energy.				
Would the project:				
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	☒	☐	☐	☐
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☒	☐	☐	☐

Discussion

a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?

Potentially significant impact. Energy would be required to operate and maintain construction equipment and to transport construction materials. The one-time energy expenditure required to demolish and construct the existing facilities associated with the proposed project would be non-recoverable. Once operational, the proposed project would not consume any more energy than the existing condition. Therefore, while operation-related energy use would be less than significant, construction-related energy use would be potentially significant and will be discussed in the EIR.

b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency

Potentially significant impact. State and local renewable energy and energy efficiency plans that are applicable to the proposed project include California Title 24 energy efficiency standards, the State of California Energy Action Plan, the District's Climate Action Plan (CAP), which includes strategies to reduce GHG emissions, and SANDAG's Regional Energy Strategy, which establishes long-term energy goals in the region through 2050, including energy efficiency, renewable energy, distributed generation, transportation fuels, land use and transportation planning, border energy issues, and the green economy. The proposed project is required to comply with these plans, to the extent applicable, all of which are aimed at increasing energy efficiency and renewable energy development. This issue will be discussed in the EIR.

GEOLOGY AND SOILS

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
VII. Geology and Soils.				
Would the project:				
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? (Refer to California Geological Survey Special Publication 42.)	☐	☐	☒	☐
ii) Strong seismic ground shaking?	☐	☐	☒	☐
iii) Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐
iv) Landslides?	☐	☐	☐	☒
b) Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?	☐	☐	☒	☐
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994, as updated), creating substantial direct or indirect risks to life or property?	☐	☐	☐	☒
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☐	☐	☐	☒
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☐	☒	☐

Discussion

a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:

i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? (Refer to California Geological Survey Special Publication 42.)

Less-than-significant impact. Fault rupture impacts are limited to areas in the immediate vicinity of an earthquake fault line. According to the DOC, the project site is not located on or adjacent to an Alquist-Priolo Earthquake Fault Zone area (DOC 2022). The nearest fault is the Rose Canyon Fault Zone, the closest segment of which is named the Spanish Bight Fault, located 2 miles east of the project site (DOC 2022). Therefore, due to this distance, surface rupture from an earthquake is not anticipated to occur onsite. Construction and operation of the project would therefore not exacerbate the existing risk of fault rupture to the surrounding area. Further, the project site is not located within an Alquist-Priolo fault zone. Therefore, this impact would be less than significant. Further discussion in the EIR is not warranted.

ii) Strong seismic ground shaking?

Less-than-significant impact. The project site is located in southern California, which is known to be a seismically active area. The Spanish Bight Fault is located 2 miles east of the project site, and the landside portion of the project could be subjected to seismically induced ground shaking. However, the project does not include landside construction; instead, it would involve the demolition of Building E and a hazardous materials storage shed. The only components to be constructed on the project site would be within the waterside portion of the project site. However, adverse effects associated with seismic ground shaking would be managed through project design and the use of piled foundations for the proposed docks and supporting structures. The project would include modular concrete floating docks, anchored in place by prestressed concrete piles installed vertically through loose near-surface sandy bay deposits up to or in the underlying competent Bay Point Formation. The proposed docks would connect to the guide piles by freely sliding collars which restrain lateral movement but permit vertical displacement to accommodate water level changes. Therefore, the proposed dock system would be fully isolated from ground motion and the piles would have sufficient flexibility to deform laterally such that significant lateral loads would not transfer into the proposed dock system. Further, competent formational materials are known to exist at relatively shallow depths at the site and pile foundations would reduce seismically induced geotechnical hazards. Therefore, the project's potential to cause direct or indirect adverse effects, including risk of loss, injury, or death involving strong seismic ground shaking would be less than significant, and no further analysis in the EIR is warranted.

The project's construction work would adhere to the California Building Code (CBC [California Code of Regulations, Title 24, Part 2]), Chapter 16, Structural Design, which contains provisions for earthquake safety based on factors including occupancy type, soil and rock type, and probable strength of ground motion. Regulatory compliance with the CBC regarding seismic safety design requirements would ensure that project construction activities conform to current building codes and engineering practices. This would minimize the project's potential to cause direct or indirect adverse effects, including risk of loss, injury, or death involving strong seismic ground shaking. This impact is less than significant, and no further analysis in the EIR is warranted.

iii) Seismic-related ground failure, including liquefaction?

Less-than-significant impact. Liquefaction is a phenomenon that occurs when the seismic ground shaking of relatively loose, granular soils that are saturated or submerged cause soils to "liquefy" and temporarily behave as a dense fluid; this can lead to substantial damage to structures, causing them to sink, tilt, or both during seismic shaking. According to the Final Draft PMPU Program EIR (District 2024c), based on the granular nature of subsurface materials, the shallow depth to groundwater, and proximity to San Diego Bay and the Pacific Ocean, the entire Final Draft PMPU area (including the project site) has a high potential for liquefaction (District 2023b: Figure 4.5-9). The landside portion of the project site is therefore considered to be in a high potential liquefaction-prone area, due to shallow groundwater, major drainages, and hydraulic fills (District 2023b: Figure 4.5-9).

Landside structures within the project site include Building A, Building C-D, and Building E, all located north of the waterside area (see Figure 2-3 in Section 2, "Project Description"). The project proposes to demolish Building E and the existing hazardous materials storage shed. After demolition of Building E is completed, the cleared area would then be used as a construction laydown area for waterside demolition activities. The demolition of Building E and the hazardous materials storage shed would not result in exacerbating, worsening, or otherwise substantially affecting the existing liquefaction risk of the project site. In addition, no buildings are proposed as part of the project. Waterside construction activities would include the demolition and replacement of Piers 4, 5, 6, 7, and 8, and construction of a floating wave attenuator which would involve pile driving. The waterside project components would have the potential to exacerbate the existing risk of seismic-related ground failure, including liquefaction. However, the project site lies within the zone of marginal shoreline that has been changed by dredging and filling. The bay deposit soils that underlie the project site down to the Bay Point Formation are well-known and, although susceptible to seismically-induced liquefaction, the entire basin is deemed suitable for construction of marine-based facilities, similar to the project. The project includes the installation of piles to support the proposed docks. Typical methods for pile installation include jetting and driving, either with a vibratory hammer or impact hammer. Given the project's proximity to existing slopes that are underlain by loose sandy soils, the use of a vibratory hammer could liquefy portions of the underlying soils which could potentially impact the stability of the nearby slopes. The use of an impact hammer would lessen the potential for liquefaction. To further reduce the potential for vibration-induced liquefaction and lateral ground movement, jetting of the concrete piles through bay deposit soils up to or in the Bay Point Formation, with final penetration being achieved by driving, would be considered. Therefore, the project's potential to cause direct or indirect adverse effects, including risk of loss, injury, or death involving liquefaction would be less than significant. Further discussion in the EIR is not warranted.

iv) Landslides?

No impact. Landslide susceptibility is typically determined based on local terrain conditions and sometimes the volume of rainfall. According to DOC, the project site is not located within or adjacent to a landslide hazard area (DOC 2022). There are no steep slopes or sharp gradients on or adjacent to the project site, and both overwater and landside construction improvements would have no potential to impact any existing risk of landslides. Project construction and operation would have no impact, and no further analysis in the EIR is warranted.

b) Result in substantial soil erosion or the loss of topsoil?

Less-than-significant impact. For the landside component of construction activities, a total of 0.4 acre would be disturbed. Construction of the project would be required to implement Best Management Practices (BMPs), consistent with the District's Jurisdictional Runoff Management Plan (JRMP), to contain soil on the project site during stormwater runoff events. BMPs can include, but are not limited to, scheduling construction activity during dry weather, when possible; preservation of natural features, vegetation, soil, and buffers around surface waters; drainage swales or lined ditches to control stormwater flow; mulching or hydroseeding to stabilize disturbed soils; erosion control to protect slopes; protection of storm drain inlets (gravel bags or catch basin inserts); perimeter sediment control (perimeter silt fence, fiber rolls); sediment traps or sediment basins to retain sediment onsite; stabilized construction exists; and wind erosion control. Operation and maintenance of the project would not require additional soil disturbance and would not result in erosion or loss of topsoil. Adherence to District required BMPs would reduce potential project construction-related soil erosion impacts to a less-than-significant impact. Further discussion in the EIR is not warranted.

c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?

Less-than-significant impact. The project site is not located in areas prone to landsliding and does not have steep gradients or slopes that might otherwise trigger lateral spreading or collapse. Subsidence typically occurs when groundwater is over-pumped in agricultural areas, and the project site is not zoned for agricultural land uses, does not involve the operation of agricultural lands, and does not involve groundwater pumping. However, the project is located within a liquefaction hazard area. However, as described in Section 3.7 (iii), the project site lies within the zone of marginal shoreline that has been changed by dredging and filling. The bay deposit soils that underlie the project site down to the Bay Point Formation are well-known and, although susceptible to seismically-induced liquefaction, the entire basin is deemed suitable for construction of marine-based facilities, similar to the project. Therefore, this impact would be less than significant. Further discussion in the EIR is not warranted.

d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994, as updated), creating substantial direct or indirect risks to life or property?

No impact. Expansive soils properties have the ability to expand and contract (swell/shrink) based on moisture levels and can cause fatigue and cracks in structure foundations resulting in structural damage over time. Expansive soils are typically rich in clay minerals which have the capacity to absorb water and expand. As a result, proper engineering and construction techniques are required to minimize problems associated with expansive soils.

The project site is situated on artificial engineered fill that overlies late Holocene marine deposits, as shown in Figure 4.5-1, Geology Planning District 1 – Shelter Island, of the Final Draft PMPU Program EIR (District 2024c). Therefore, the project site would not be located on expansive soils and project implementation would not create substantial direct or indirect risks to life and property related to expansive soils. No impact would occur, and no further analysis in the EIR is warranted.

e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?

No impact. The project site would include the continued operation of existing underground utilities, including electricity, water, and sewer. The project does not propose to redevelop these utility lines or construct septic tanks or alternative wastewater disposal systems. No impact would occur, and no further analysis in the EIR is warranted.

f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Less-than-significant impact. Paleontological resources are the remains or traces of prehistoric plant and animal life (e.g., fossil teeth and bones) exclusive of human remains. The project site is situated on artificial engineered fill, which overlies Holocene marine deposits (District 2023b). This underlying formation has a low paleontological sensitivity. Given that construction activities would predominantly be in-water, and the only landside component would be the demolition of Building E and the hazardous materials storage shed, both of which would not involve disturbance of the underlying formation, it is unlikely that paleontological resources would be encountered. Following construction, the project site would be returned to a similar condition as the existing setting. The project would not introduce new activities during operation that would have potential to disturb native soils. Therefore, the project would not destroy a unique paleontological resource or site or unique geologic feature. Impacts would be less than significant. Further discussion in the EIR is not warranted.

GREENHOUSE GAS EMISSIONS

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
VIII. Greenhouse Gas Emissions.				
Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☒	☐	☐	☐
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☒	☐	☐	☐

Discussion

a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Potentially significant impact. GHG emissions would result from construction activities associated with the proposed project, and thus there is the potential for the project to generate GHG emissions that would be considered significant. Once operational, the proposed project would generate GHG emissions similar to or less than the existing condition. Therefore, GHG emissions associated with construction will be quantified (to the extent feasible) and analyzed in the EIR.

b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Potentially significant impact. The project would result in construction-related GHG emissions. Once operational, the proposed project would generate GHG emissions similar to or less than the existing condition. Therefore, the EIR will analyze if construction-related GHG emissions would conflict with an applicable plan, policy, or regulation adopted to reduce GHG emissions.

HAZARDS AND HAZARDOUS MATERIALS

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
IX. Hazards and Hazardous Materials.				
Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☐	☒	☐
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and/or accident conditions involving the release of hazardous materials into the environment?	☒	☐	☐	☐
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☒	☐
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☒	☐	☐	☐
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	☐	☐	☒	☐
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires?	☐	☐	☐	☒

Discussion

a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Less-than-significant impact. Construction of the project would involve the use of hazardous materials such as fuels, lubricants, and solvents for construction equipment operation and maintenance. These materials would be properly stored, handled, used, and disposed of in accordance with applicable regulations and laws, which include Resource Conservation and Recovery Act; U.S. DOT Hazardous Materials Regulations; California Health and Safety Code; and San Diego County Code, Title 6, Division 8. In addition, Occupational Safety and Health Administration provides specific standards for maintaining safe and healthy working conditions pertaining to hazardous materials in 29 CFR

1910 Subpart H. Project construction may also require the disposal of creosote-treated wood waste, which is regulated by Division 20, Chapter 6.5, and Title 22, Division 4.5 of the California Health and Safety Code. A licensed contractor would be responsible for the removal, transportation, and disposal of the removed piles in accordance with these regulations. Any accidental release of hazardous materials due to spills or leaks would be cleaned up in the normal course of business, consistent with the above-mentioned regulations. Compliance with the above-listed regulations would ensure the safe transport, use, and disposal of hazardous materials, such that construction-related hazardous materials impacts would be less than significant.

Following completion of construction, the project would continue commercial fishing operations currently operating onsite, and would not increase the project site's operational activities. Therefore, the proposed project would not increase the use of hazardous materials on the site. The transport, use, and disposal of any hazardous materials would continue to occur in compliance with the above-mentioned regulations. As such, operational impacts related to the routine transport, use, or disposal of hazardous materials would be less than significant and further discussion in the EIR is not warranted.

b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and/or accident conditions involving the release of hazardous materials into the environment?

Potentially significant impact. The proposed project would include construction work above and adjacent to the San Diego Bay and would disturb sediment that may be contaminated from historical uses. Therefore, this issue will be discussed in the EIR.

c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

Less-than-significant impact. Nearby schools include Cabrillo Elementary (0.6 miles from the project site) and High Tech Elementary, Middle, High and Graduate Schools (0.6 miles from the project site). No schools are within 0.25 miles of the project site. Therefore, this impact would be less than significant and further discussion in the EIR is not warranted.

d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code §65962.5 and, as a result, would it create a significant hazard to the public or the environment?

Potentially significant impact. The California Environmental Protection Agency lists the following data resources that provide information regarding facilities or sites identified in California Government Code 65962.5 (commonly referred to as the "Cortese List"):

- List of Hazardous Waste and Substances sites from the Department of Toxic Substances Control (DTSC) EnviroStor database,
- List of Leaking Underground Storage Tanks (LUST) sites from the State Water Resources Control Board (SWRCB) GeoTracker database,
- List of solid waste disposal sites identified by SWRCB with waste constituents above hazardous waste levels outside the waste management unit,
- List of "active" Cease and Desist Actions (CDO) and CAO from the SWRCB, and
- List of hazardous waste facilities subject to corrective action pursuant to Section 25187.5 of the Health and Safety Code, identified by DTSC.

Because the proposed project would include ground and sediment disturbance, the EIR will include review of all of these databases and provide a discussion of the project's potential to create a significant hazard to the public or the environment by disturbing an existing potential hazardous materials site. Therefore, this issue will be discussed in the EIR.

e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?

Less-than-significant impact. The project site is approximately 1.5 miles from the San Diego International Airport (SDIA) and 1 mile from the Naval Air Station North Island (NASNI). The project site is located within the Airport Influence Area in the Airport Land Use Compatibility Plans for the SDIA and NASNI. However, the proposed project would not construct any buildings or facilities that would increase the potential for airport and aircraft related hazards to occur. For instance, there would be no reflective materials used, such as mirrored architectural features or extensive use of glass that may have high reflectivity. In addition, the project does not propose constructing any tall structures that may interfere with the flight path of aircraft. Moreover, the distance between the project site and either the SDIA or the NASNI is too far to hear any excessive noise from project construction activities like pile driving. Therefore, impacts associated with creating a safety hazard or excessive noise for people residing or working in the project area would be less than significant and further discussion in the EIR is not warranted.

f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Less-than-significant impact. The San Diego County Office of Emergency Services adopted its Emergency Operations Plan (EOP) in September 2022. Highways in proximity to the project site include I-5, I-15, and SR 75, which are identified in the EOP as primary evacuation routes in San Diego County (County of San Diego 2022). Project construction includes demolition of Building E and a small hazardous materials shed. In addition, Piers 4 through 8 would be demolished and reconstructed to modern standards. In addition, a wave attenuator will be installed in the water east of the leasehold. No construction would require closing roads or access to the area and there would be no encroachment into any evacuation routes. Therefore, emergency access to and from the project site along Harbor Drive and on designated evacuation routes would be maintained during project construction. Because project implementation would not expand the existing use of the site, the project would not result in permanent changes to emergency access following construction. Thus, the project would not impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan. Impacts would be less than significant and further discussion in the EIR is not warranted.

g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires?

No Impact. State law requires that all local jurisdictions identify very high fire hazard severity zones (VHFHSZ) within their areas of responsibility (California Government Code Section 51175–51189). Inclusion within these zones is based on vegetation density, slope severity, and other relevant factors that contribute to fire severity. The project site is within a local responsibility area and is designated by the California Department of Forestry and Fire Protection (CAL FIRE) as a non-VHFHSZ (CAL FIRE 2024). The nearest lands classified as VHFHSZ are several miles east of the project site (CAL FIRE 2024). Furthermore, the project site is in a developed urban area on and adjacent to the San Diego Bay. Therefore, the project would not expose people or structures to a significant risk of loss, injury, or death involving wildland fire. No impact would occur and further discussion in the EIR is not warranted.

HYDROLOGY AND WATER QUALITY

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
X. Hydrology and Water Quality.				
Would the project:				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality?	☒	☐	☐	☐
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☐	☒	☐
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:				
i) Result in substantial on- or offsite erosion or siltation;	☐	☐	☒	☐
ii) Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;	☐	☐	☐	☒
iii) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	☐	☐	☐	☒
iv) Impede or redirect flood flows?	☒	☐	☐	☐
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☐	☒	☐
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☒	☐	☐	☐

Discussion

a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality?

Potentially significant impact. The project proposes features that would involve in-water construction and disturbance to the bay floor. Disturbance of the bay floor would cause sediment to be temporarily resuspended, thereby increasing turbidity and potentially lowering levels of dissolved oxygen, increasing salinity, increasing concentrations of suspended solids, and possibly releasing contaminants present in the sediment into the water column. This issue will be discussed in the EIR.

b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?

Less-than-significant impact. Construction activities would occur within the project site located within and adjacent to San Diego Bay. The project would not result in a net increase in impervious surfaces, such that the surface area for percolation of stormwater would be reduced. Furthermore, groundwater at the project site is saline from saltwater intrusion and is not used as a groundwater supply source.

The project would not require landside excavation and would not have the potential to encounter groundwater such that dewatering would be required. Furthermore, construction-related water use would represent a small demand on local and regional water supplies that could be accommodated by the existing water service provider. The project would not generate a permanent increase in water demand compared to existing conditions. Consequently, the project would not substantially decrease groundwater supplies or interfere with groundwater recharge. Impacts would be less than significant and further discussion in the EIR is not warranted.

c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:

i) Result in substantial on- or offsite erosion or siltation;

Less-than-significant impact. The project site is entirely paved with no areas of exposed soil. Construction activities would include demolition of Building E and a small hazardous materials storage shed. In addition, Piers 4 through 8 would occur over water. Therefore, the project would have limited disturbance of landside soils, namely the grading of topsoil where the currently Building E is located. All soil disturbance would comply with the District's Stormwater Best Management Practices (BMPs), which would include minimizing stormwater runoff from the graded site. Therefore, the project is not anticipated to result in on- or off-site erosion or siltation. Impacts would be less than significant and further discussion in the EIR is not warranted.

ii) Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;

No impact. The project would not increase impervious surface area and would not include any project features that would increase the rate or amount of surface runoff. On the contrary, Building E would be demolished, which would lead to an increase in pervious surface area and contribute to stormwater percolation. Therefore, the project is not anticipated to result in on- or off-site flooding. No impact would occur and further discussion in the EIR is not warranted.

iii) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or

No impact. The project would not substantially increase runoff to the existing storm drainage system. As described under X. i) and ii), the project would lead to an increase in pervious surface area and facilitate additional stormwater percolation once Building E is removed. Therefore, no impact would occur and further discussion in the EIR is not warranted.

iv) Impede or redirect flood flows?

Potentially significant impact. As described under X. i), ii), and iii), proposed construction on land would be limited to demolition of Building E and the small hazardous materials shed. Once Building E is demolished, the land underneath would be graded and BMPs would be incorporated, consistent with the District's JRMP. Moreover, the temporary presence of the construction-related equipment would not impede or redirect flood flows. As such, there would be no potential to impede or redirect flood flows.

However, although the project would not impede or redirect flood flows, the EIR will analyze whether the proposed project would have the potential to exacerbate risks from future sea level rise.

d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?

Less-than-significant impact. The waterside portion of the project site is within Flood Zone AE and is subject to flooding during the 100-year storm event (FEMA 2024). In addition, the project site is within a tsunami hazard area, as delineated on the Tsunami Inundation Map for Emergency Planning for San Diego County (CalEMA, CGS, and USC 2009). Because the project site is situated on and adjacent to the San Diego Bay, it could also be susceptible to seiche. The project would include the replacement of in-water structures, demolition of Building E, and removal of a small hazardous materials shed. As such, the proposed project would reduce potential sources of pollutants onsite. Therefore, the project would not have potential to risk release of pollutants during a flood hazard event such as a tsunami or seiche. Impacts would be less than significant and further discussion in the EIR is not warranted.

e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

Potentially significant impact. The water quality control plans that apply to the project site are the San Diego Basin Plan and the Water Quality Control Plan for Enclosed Bays and Estuaries: Part 1 Sediment Quality Objectives.

The proposed project does not propose any increase or expansion of the existing operations and therefore project operations would not conflict with or otherwise obstruct the Basin Plan or the Water Quality Control Plan for Enclosed Bays and Estuaries: Part 1 Sediment Quality Objectives.

In addition, the project proponent(s) would be required to comply with permit conditions imposed by USACE and the RWQCB during construction. Specifically, permits required include the CWA Section 401 Water Quality Certification issued by the RWQCB and the Section 10 Rivers and Harbors Permit issued by the USACE. These permits will provide specific conditions to ensure the proposed project does not violate the Clean Water Act, Porter Cologne Water Quality Control Act, and does not hinder implementation of or otherwise conflict with the RWQCB's Basin Plan and Water Quality Control Plan for Enclosed Bays and Estuaries. However, this issue will be discussed in the EIR because mitigation measures may be necessary to ensure no conflict would occur.

The groundwater basin, Coastal Plain of San Diego, is considered a low priority groundwater basin and is not overdrafted. As discussed in X. b), the project would not have potential to decrease groundwater supplies, impair groundwater quality, or affect groundwater recharge. Therefore, the project would not conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan and further discussion in the EIR is not warranted.

LAND USE AND PLANNING

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XI. Land Use and Planning.				
Would the project:				
a) Physically divide an established community?	☐	☐	☐	☒
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☒	☐	☐	☐

Discussion

a) Physically divide an established community?

No impact. The project involves the demolition of Piers 4 through 8, Building E, and a small hazardous materials storage shed. Reconstruction of Piers 4 through 8 would also occur. All project construction would occur within the existing project leasehold with the exception of a floating wave attenuator, which would be located in the bay immediately east of the leasehold. Project construction would not expand the physical landside boundaries of the fishing wharf and marina or expand into any adjacent communities. The project would not result in the construction of any physical barriers or require any road closures that would disrupt access within the surrounding community. No impact would occur and further discussion in the EIR is not warranted.

b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

Potentially significant impact. Several land and water use plans and regulations apply to the project site. Although not anticipated to conflict with any land use plan, policy or regulation adopted for the purpose of avoiding or mitigating an environmental effect, the EIR will include a conflict analysis with at least the following laws and plans: California Coastal Act, PMP, Final Draft PMPU, California Coastal Commission Sea Level Rise Policy Guidance, SDIA Airport Land Use Compatibility Plan (ALUCP), NASNI ALUCP, and San Diego Bay INRMP.

MINERAL RESOURCES

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XII. Mineral Resources.				
Would the project:				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☐	☒
b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	☐	☐	☐	☒

Discussion

a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?

No impact. According to the City of San Diego's General Plan Conservation Element, the project site is located within an area designated as Mineral Resource Zone (MRZ) 1, indicating that no significant mineral deposits are present (City of San Diego 2024a: Figure CE-6; 2024b: 5-2). The existing project site is in a highly developed and urbanized area with marine-related land uses including commercial fishing berthing (water) and commercial fishing (land) that are incompatible with and preclude mineral extraction. Therefore, the project would not result in the loss of availability of locally important mineral resources and no impact would occur. Further discussion in the EIR is not warranted.

b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?

No impact. According to the City of San Diego's General Plan Conservation Element, the project site is not designated as a locally important mineral resource recovery site. The project would not result in the loss of availability of a locally important mineral resources and therefore no impact would occur. Further discussion in the EIR is not warranted.

NOISE

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XIII.Noise.				
Would the project result in:				
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies, or a substantial temporary or permanent increase in noise levels above existing ambient levels that could result in an adverse effect on humans?	☒	☐	☐	☐
b) Generation of excessive groundborne vibration or groundborne noise levels?	☒	☐	☐	☐
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☒	☐	☐	☐

Discussion

a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies, or a substantial temporary or permanent increase in noise levels above existing ambient levels that could result in an adverse effect on humans?

Potentially significant impact. Construction activities associated with the project would result in a temporary increase in noise. Operational noise would be similar to the existing condition because commercial fishing and vessel berthing would continue with the project. Therefore, operational noise would be less than significant and noise associated with construction will be quantified and discussed in the EIR.

b) Generation of excessive groundborne vibration or groundborne noise levels?

Potentially significant impact. Vibration assessments are generally separated into two distinct analyses: one that is concerned about the receiving land uses perception and associated level of annoyance to vibration-inducting activities, and the second which is concerned with the possibility of vibration-inducing activities to cause structural damage to nearby structures. Project construction would involve the use of ground vibration–intensive activities, such as impact and/or vibratory pile driving. Once operational, the project would not generate any excessive groundborne vibration or noise levels and levels would be similar to the existing condition. Therefore, construction activities that may result in vibration impacts will be analyzed in the EIR.

c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

Potentially significant impact. The SDIA and NASNI are the closest public and private airports, and their runways are both located approximately 1.5 miles and 1 mile, respectively, from the project site. Therefore, because these airports are within 2 miles of the project site, this issue will be discussed in the EIR.

POPULATION AND HOUSING

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XIV. Population and Housing. Would the project:				
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☒	☐
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒

Discussion

a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

Less-than-significant impact. The growth inducing potential of a project would typically be considered significant if it fosters growth or a concentration of population in excess of what is assumed in applicable land use plans. Significant growth impacts could also occur if a project provides infrastructure or service capacity to accommodate levels of growth beyond levels currently permitted by local or regional plans or policies.

The project involves the demolition of two landside structures, construction of a floating wave attenuator, and removal and replacement of the existing piers to support ongoing commercial fishing operations within the project site. The project does not propose new homes or businesses that would directly induce population growth. In addition, the project does not include the expansion of existing infrastructure, including changes to existing fishing operations, that would indirectly induce population growth. Construction activities are anticipated to occur over a 48-month period, with a minimal number of construction workers present on the project site during the construction period. Construction workers are anticipated to commute from the surrounding area and would not likely require temporary local housing. Thus, the project would not induce substantial unplanned growth and impacts would be less than significant. Further discussion in the EIR is not warranted.

b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?

No impact. The land use designation for the project site is Commercial Fishing (land), Promenade (land), Commercial Fishing Berthing (water), and Navy Small Craft Berthing (water). Further, residential uses are not allowed within District property. Therefore, the project would not displace any existing people or housing, or necessitate the construction of replacement housing elsewhere. Further discussion in the EIR is not warranted.

PUBLIC SERVICES

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XV. Public Services.				
Would the project:				
a) Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, or the need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:				
Fire protection?	☐	☐	☒	☐
Police protection?	☐	☐	☒	☐
Schools?	☐	☐	☐	☒
Parks?	☐	☐	☐	☒
Other public facilities?	☐	☐	☐	☒

Discussion

a) Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, or the need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:

Fire protection?

Less-than-significant impact. The San Diego Harbor Police (SDHP) and City of San Diego Fire Rescue Department (SDFRD) provide marine firefighting and firefighting services to the project site. The closest fire station is SDFRD Fire Station 22 at 1055 Catalina Blvd, San Diego, CA 92106, approximately 1.3 miles west of the project site. The project involves the demolition of Building E and a hazardous materials shed, the removal and replacement of Piers 4 through 8 within the leasehold, as well as the construction of a floating wave attenuator. The project construction period would involve a minimal number of workers over a 48-month period and would not result in a permanent population growth that would have the potential to affect performance objectives for SDFRD or the SDHP.

Project construction staging will occur within the project site, in the parking areas adjacent to Building E. Following the demolition of Building E, construction staging would continue to be contained within the leasehold, including the newly-cleared area, and would not require any road closures. In addition, project construction would result in negligible vehicle trips on surrounding roadways associated with worker commutes and haul trips (refer to Section 4.17 "Transportation," for more information). Therefore, project construction would not contribute to substantial congestion on surrounding roadways that would affect response times for SDHP or SDFRD.

The project would not result in an expansion of existing uses on the site, an increase in operations, or additional employees after construction is completed. Therefore, project operations would not affect response times for the

SDHP and SDFRD. Based on the above discussion, the project would not require the provision of new or physically altered fire protection facilities. Therefore, impacts would be less than significant. Further discussion in the EIR is not warranted.

Police protection?

Less-than-significant impact. The Port of San Diego Harbor Police Department (HPD) and the City of San Diego Police Department (SDPD) provide law enforcement services to the project site. The closest police station is the HPD Headquarters at 3380 North Harbor Drive, approximately 1.6 miles east of the project site.

As previously discussed in Section 3.14 "Population and Housing," the project would not create permanent population growth. The project would not expand existing uses or increase the number of employees on site. Project construction staging would be located within the project site. Pedestrian access would be temporarily closed during construction and rerouted. Since project construction does not require closure of nearby roads and would not contribute to substantial congestion on surrounding roadways, the project is not anticipated to hinder police response such that responses times for the HPD or SDPD would be affected. The project would not require the provision of new or physically altered police protection facilities. Therefore, impacts would be less than significant. Further discussion in the EIR is not warranted.

Schools?

No impact. The nearest schools to the project site are Cabrillo Elementary School approximately 0.6 mile west, and High Tech Elementary, Middle, High and Graduate Schools approximately 0.6 mile north. The project would not result in an expansion of the existing use of the site (i.e., an increase in commercial fishing operations), or additional employees, other than those needed during construction. Jobs generated during construction would be drawn from the local workforce which is served by existing school facilities, and would not result in an increased demand. As discussed in 3.14 "Population and Housing," the project would not result in permanent population growth. The project does not include residential uses that would increase the demand for school facilities or increase existing student to teacher ratios. Furthermore, project activities would be contained within the existing leasehold and would not encroach onto any school property. No impact would occur and further discussion in the EIR is not warranted.

Parks?

No impact. Refer to Section 3.16, "Recreation," for additional information. As previously discussed, the project would not result in permanent population growth that would generate additional demand for parks. Project construction would not require the closure of nearby parks and project operation would not encroach on park property. Therefore, the project would not require the provision of new or physically altered parks. No impact would occur and further discussion in the EIR is not warranted.

Other public facilities?

No impact. As discussed in Section 3.14, "Population and Housing," the project would not result in permanent population growth. Therefore, the project would not increase the demand for existing public facilities. Furthermore, project operations are not anticipated to expand nor include additional employees. Therefore, the project would not require the provision of new or physically altered public facilities. No impact would occur and further discussion in the EIR is not warranted.

RECREATION

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XVI. Recreation.				
Would the project:				
a) Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☒	☐
b) Include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment?	☐	☐	☐	☒

Discussion

a) Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?

Less-than-significant impact. An increase in the use of existing parks and recreational facilities typically results from an increase in the number of housing units or residences in the surrounding area. The project would not involve the construction of housing units or residences. As discussed in 3.14 "Population and Housing,", the construction workers for the project are anticipated to commute from the surrounding area and would not likely require temporary local housing and would not contribute to permanent population growth. The demand for short-term construction jobs would be met by the local work force, and it is anticipated that no outside labor would be needed. Further, the project would operate within the leasehold, would not expand existing operations, and would not increase the number of employees after construction. Thus, the project would not contribute to a permanent increase in population that would increase the use of existing recreational facilities including Point Loma Marina Park located approximately 600 feet northwest of the leasehold. Project activities would be contained within the existing leasehold and would not require closure of any parks or recreational facilities. Therefore, impacts would be less than significant. Further discussion in the EIR is not warranted.

b) Include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment?

No impact. The project involves the demolition of Building E and a hazardous materials storage shed, removal and replacement of Piers 4 through 8, and construction of a floating wave attenuator. The project does not include recreational facilities or require the construction or expansion of recreational facilities that might result in an adverse physical effect on the environment. Therefore, no impact would occur. Further discussion in the EIR is not warranted.

TRANSPORTATION

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XVII. Transportation.				
Would the project:				
a) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?	☒	☐	☐	☐
b) Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?	☒	☐	☐	☐
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☒	☐
d) Result in inadequate emergency access?	☐	☐	☒	☐

Discussion

a) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?

Potentially significant impact. Implementation of the project is not anticipated to generate a substantial number of vehicle and truck traffic that could affect the circulation system, including transit, roadway, bicycle, and pedestrian access. Vehicular access to the project site would be provided by public roadway connections to the project site from North Harbor Drive. No new public streets are proposed to be constructed as part of the proposed project. Once construction activities are completed, the project site would be returned to a similar condition as the existing setting and would resemble the appearance and scale of existing conditions onsite. Nevertheless, during construction the project may have the potential to result in a temporary increase and redistribution of vehicle trips that could conflict with applicable plans, ordinances, and policies related to public transit, roadway, bicycle, and pedestrian facilities. This impact is potentially significant and will be further analyzed in the EIR.

b) Conflict or be inconsistent with CEQA Guidelines section 15064.3(b), which pertains to vehicle miles travelled?

Potentially significant impact. State CEQA Guidelines Section 15064.3 was added December 28, 2018, to address the new method of determining significance for transportation impacts. The new method requires that analysis is based on vehicle miles traveled (VMT) instead of congestion (such as level of service). A "VMT" is one vehicle traveling on a roadway for one mile. Regardless of how many people are traveling in the vehicle, each vehicle traveling on a roadway generates one VMT for each mile it travels. Therefore, VMT is an indicator of the amount of driving generated by a proposed project. The project proposes both landside and waterside components. The landside component proposes the demolition of Building E and the hazardous materials storage shed. The waterside component proposes the demolition and reconstruction of Piers 4 through 8 and associated docks, gangways, headwalks, as well as the construction of a floating wave attenuator, to address deficiencies related to the age and condition of structures, and to allow commercial fishing operations to continue within the marina. After construction is complete, operations at the project site would be similar to the existing operations/setting and would generally resemble the appearance and scale of existing conditions onsite once operational, construction activities may result in a temporary increase in VMT relating to construction worker trips to and from the project site as well as delivery trips for construction equipment and the hauling of construction and demolition debris offsite.

Along with the transportation analysis to determine the proposed project's consistency with transportation guidelines, circulation-related programs, plans, and policies, a VMT analysis will be prepared to address the proposed project's potential to substantially increase VMT using the California Governor's Office of Planning and Research (OPR) Technical Advisory on Evaluating Transportation Impacts in CEQA to inform the VMT analysis methodology and significance thresholds as applicable. The project site is located within a VMT efficient area; thus, it is not anticipated to have a significant VMT related impact, regardless of the results of the trip generation assessment. However, a VMT impact analysis will be included in the proposed project's Transportation Impact Study, regardless of whether it can be screened out due to small project size exemption. This impact is potentially significant and will be further analyzed in the EIR.

c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

Less-than-significant impact. A significant impact may occur if a project includes new roadway design or introduces a new land use or features to an area with specific transportation requirements and characteristics that have not been previously experienced in that area, or if project site access was designed in such a way as to create hazardous conditions compared to existing conditions. The project would demolish two landside structures (Building E and the hazardous materials storage shed) and demolish and replace the existing waterside structures in order to address deficiencies related to the age and condition of structures, and to allow commercial fishing operations to continue within the marina. Construction activities would occur within the leasehold boundaries of the project site, and no unusual or hazardous design features would be constructed as a result of project implementation. Site deliveries and the staging of all construction equipment would be organized in the most efficient manner possible onsite to reduce any temporary impacts to the neighborhood and surrounding traffic. Construction activities would not encroach into the right-of-way along North Harbor Drive or into the parking lots of adjacent buildings due to the fencing that separates project site parking and adjacent use parking. Further, the project site would be returned to a similar condition as the existing setting and would resemble the appearance and scale of existing conditions onsite once operational. For these reasons, the project would not substantially increase hazards due to design features or incompatible uses. This impact would be less than significant. Further discussion in the EIR is not warranted.

d) Result in inadequate emergency access?

Less-than-significant impact. A significant impact may occur if a project's design would not provide emergency access or impede the ability of emergency vehicles to access the project site and serve the surrounding uses. Emergency access to the project site is provided via Nixie Way. As discussed, construction activities would occur within the leasehold boundaries of the project site. This would not substantially interfere with emergency response or evacuation. The project would not cause permanent alterations to vehicular circulation routes and patterns. The project would not include hazardous design features that could otherwise impede emergency access. For these reasons, the project would not result in inadequate emergency access. This impact would be less than significant. Further discussion in the EIR is not warranted.

TRIBAL CULTURAL RESOURCES

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XVIII. Tribal Cultural Resources.				
Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)?	☐	☐	☐	☒
b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?	☐	☐	☐	☒

Discussion

AB 52, signed by the California Governor in September of 2014, established a class of resources under CEQA: "tribal cultural resources," defined in PRC Section 21074. Pursuant to PRC Sections 21080.3.1, 21080.3.2, and 21082.3, lead agencies undertaking CEQA review must, upon written request of a California Native American Tribe, begin consultation before the release of an EIR, negative declaration, or mitigated negative declaration. The District has not received any written requests for consultation from a California Native American Tribe.

A records search at SCIC was conducted for the project site and areas within a 0.25-mile radius to determine if tribal cultural resources are present within the project site. No tribal cultural resources that are listed in or eligible for listing in the CRHR were identified during the records search.

Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:

a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)?

No impact. The SCIC records search resulted in the identification of no tribal cultural resources that are listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources, within the project site. Therefore, there would be no impact. Further discussion in the EIR is not warranted.

b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?

No impact. No California Native American tribes have requested to be informed of projects by the District; therefore, there is no trigger to begin consultation under AB 52, resulting in no resources identified as tribal cultural resources under Public Resources Code Section 21074. Therefore, there would be no impact. Further discussion in the EIR is not warranted.

UTILITIES AND SERVICE SYSTEMS

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XIX. Utilities and Service Systems.				
Would the project:				
a) Require or result in the relocation or construction of construction of new or expanded water, wastewater treatment or stormwater drainage, electric power, natural gas, or telecommunication facilities, the construction or relocation of which could cause significant environmental effects?	☐	☐	☒	☐
b) Have insufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?	☐	☐	☒	☐
c) Result in a determination by the wastewater treatment provider that serves or may serve the project that it has inadequate capacity to serve the project's projected demand, in addition to the provider's existing commitments?	☐	☐	☒	☐
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	☐	☐	☒	☐
e) Fail to comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	☐	☐	☒	☐

Discussion

a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or stormwater drainage, electric power, natural gas, or telecommunication facilities, the construction or relocation of which could cause significant environmental effects?

Less-than-significant impact. A significant impact may occur if a project would increase demands on infrastructure to such a degree that the construction and relocation of facilities currently serving the project site would be required and have the potential to cause significant environmental impacts.

The project includes landside and waterside components. The landside component proposes the demolition of Building E and a hazardous materials storage shed. The waterside component proposes the demolition and reconstruction of Piers 4 through 8 and associated docks, gangways, headwalks, and the construction of a floating wave attenuator, to address deficiencies related to the age and condition of structures, and to allow commercial fishing operations to continue within the marina. Existing utilities onsite include water, wastewater, and electricity. These utilities serve the existing buildings and piers onsite. Building E and the hazardous materials storage shed would be demolished as part of the project and would not be replaced or redeveloped. No other buildings or landside structures would be demolished or otherwise altered. Therefore, the project's landside use of water, wastewater, and electricity would ultimately decrease compared to existing conditions. Therefore, the project's landside use of existing utilities would not require the relocation or construction of new utility facilities.

In terms of waterside use of utilities, electrical connections to the piers would be removed as part of demolition of the existing piers and associated structures (i.e., docks, gangways, and headways); however, these piers and associated structures would be reconstructed similar to existing conditions onsite. Project implementation would not result in a change in demand on municipal systems. Therefore, the project would not increase demands on existing infrastructure such that new facilities would be required. Therefore, project implementation would not require or result in the relocation or construction of new or expanded water, wastewater treatment or stormwater drainage, electric power, natural gas, or telecommunications facilities. This impact would be less than significant. Further discussion in the EIR is not warranted.

b) Have insufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?

Less-than-significant impact. As previously discussed in XIX a), the project includes landside and waterside components. Utility connections to the project site serve the landside buildings, one of which (Building E) would be demolished and not replaced or redeveloped. Therefore, the project's water usage would ultimately decrease compared to existing conditions. No other buildings would be demolished or otherwise altered. The waterside component would involve replacement of water lines on the new piers, similar to existing conditions onsite. Once operational, the project would operate similar to existing conditions and would not increase water demand compared to existing conditions. Therefore, sufficient water supplies would be available for the project. This impact would be less than significant. Further discussion in the EIR is not warranted.

c) Result in a determination by the wastewater treatment provider that serves or may serve the project that it has inadequate capacity to serve the project's projected demand, in addition to the provider's existing commitments?

Less-than-significant impact. As previously discussed in Section XIX a), utility connections to the project site serve the landside buildings and piers. The minimal wastewater generated from project construction would not exceed the requirements of any wastewater treatment facilities. As part of the project, Building E and the hazardous materials storage shed would be demolished and not replaced or redeveloped. Therefore, the project's wastewater usage would ultimately decrease compared to existing conditions. The project would not generate a permanent increase in demand for wastewater treatment compared to existing conditions. Therefore, since an increase in wastewater treatment is not anticipated from this project, this impact would be less than significant. Further discussion in the EIR is not warranted.

d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?

Less-than-significant impact. The project would require removal or demolition of existing structures and disposal of the subsequent debris. Non-hazardous construction trash and debris would be sent to approved recycling facilities in accordance with the City's Recycling Ordinance and Construction and Demolition (C&D) Debris Deposit Ordinance, which requires recycling of a minimum of 65 percent of the construction waste. Remaining non-hazardous construction trash and debris would be handled through the existing current trash hauler, and disposed at local landfills located outside the coastal zone. These landfills are anticipated to include Republic Services Sycamore and Otay Landfills in San Diego County, California.

Removal of the existing Piers 4 through 8 is anticipated to remove approximately six 14-inch creosote-treated timber piles. In conformance with California Department of Toxic Substances Control standards, the timber piles would be managed and manifested as hazardous waste and transported to a Class I hazardous waste landfill for disposal. If other hazardous waste is generated, it would be transported under a waste manifest to an authorized hazardous waste Treatment, Storage, and Disposal Facility.

No changes in operational generation of solid waste are anticipated. Operational solid waste generation would continue to comply with applicable statutes and regulations defined in Section 3.19.2(e) below, including AB 939 and AB 341 to support statewide goals of diverting solid waste from landfills. It is anticipated that local recycling facilities and landfills have adequate capacity to accommodate the solid waste that would be temporarily generated from construction activities. Therefore, impacts would be less than significant. Further discussion in the EIR is not warranted.

e) Fail to comply with federal, state, and local management and reduction statutes and regulations related to solid waste?

Less-than-significant impact. The following statutes and regulations related to solid waste are applicable to local jurisdictions and solid waste collectors:

- AB 939 (1989) California Integrated Waste Management Act: Requires all California cities, counties, and approved regional solid waste management agencies to divert 25 percent of their solid waste by 1995 and 50 percent by 2000. AB 939 established the California Integrated Waste Management Board, which later became CalRecycle.
- AB 341 (2012) Mandatory Recycling: Increases California's waste diversion goal from 50 percent to 75 percent by 2020. AB 341 also includes mandatory commercial recycling to reduce greenhouse gas emissions. All commercial businesses that generate more than four cubic yards or more of solid waste per week are required to have a recycling program in place.
- AB 1594 (2014) Green Material Disposal: Effective January 1, 2020, jurisdictions can no longer count green material used as alternative daily cover (ADC) at landfills toward their recycling goals. Jurisdictions are required to develop plans to divert green material from landfills.
- Senate Bill (SB) 1383 (2016) Short-Lived Climate Pollutants – Organic Waste Methane Emissions Reductions: Requires a 50 percent reduction in the level of the statewide disposal of organic waste from the 2014 level by 2020 and a 75 percent reduction by 2025. SB 1383 also requires at least 20 percent of currently disposed edible food be recovered for human consumption by 2025. Jurisdictions, haulers, and generators are required to implement programs to comply with the law by January 1, 2022.
- Port of San Diego Climate Action Plan (District 2013): Part of the District's approved Climate Action Plan, which identifies measures to increase the diversion of solid waste from landfill disposal.
- City of San Diego Recycling Ordinance: Provides recycling requirements for City-serviced multi-family residences, privately serviced businesses, commercial/institutional facilities, apartments, condominiums and permitted special events.
- City of San Diego C&D Debris Deposit Ordinance: Requires construction, demolition, and remodeling projects needing building, combination (i.e., permits for structural modifications to existing structures), and demolition permits pay a refundable deposit and divert at least 65 percent of their debris by recycling, reusing, or donating usable materials.
- City of San Diego Zero Waste Plan (City of San Diego 2015): Part of the City's approved Climate Action Plan, which sets goals of achieving 75 percent diversion of solid waste by 2020, 90 percent diversion of solid waste by 2035, and zero solid waste by 2040.

The project would not conflict with or cause a local jurisdiction or service provider to conflict with any federal, state, or local solid waste regulations, including AB 939 (California Integrated Waste Management Act), AB 341 (Mandatory Recycling), AB 1594 (Green Material Disposal), or SB 1383 (Short-Lived Climate Pollutants: Organic). The project proposes to modernize the wharf and marina to be capable of supporting modern commercial fishing operations and accommodating a range of commercial fishing vessels. The project would include the demolition of Building E and a small hazardous material storage shed, as well as the demolition and reconstruction of Piers 4 through 8, including their associated structures (i.e., docks, gangways, and headwalks), and the construction of a floating wave attenuator. Waste generated from construction activities would be required to comply with the City Recycling Ordinance and the City's C&D Debris Deposit Ordinance. The demolition of Building E, and subsequently not rebuilding of Building E, would ultimately result in decreasing the generation of solid waste onsite and would thus serve to comply with federal, state, and local management and reduction statutes and regulations related to solid waste. The project, once operational, would resemble the appearance and scale of existing conditions. Therefore, no significant increases in operational generation of solid waste would occur.

In addition, hazardous wastes would be separated, classified, and disposed of at an appropriate landfill that accepts hazardous waste. The disposal of hazardous wastes would be conducted in accordance with applicable regulations and laws, including the Federal Toxic Substances Control Act, RCRA and Hazardous Solid Waste Act Amendments, Environmental Health Standards for the Management of Hazardous Waste (CCR Title 22, Division 4.5, Section 66001 et seq.), California Labor Code (Division 5, Parts 1 and 7), and San Diego County Code (Title 6, Division 8) (see Section 3.9, Hazards and Hazardous Waste, for additional information). No changes in operational generation of hazardous wastes are anticipated.

Based on the discussion above, project construction and operation would comply with all federal, state, and local management regulations related to solid waste. Impacts would be less than significant and further discussion in the EIR is not warranted.

WILDFIRE

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XX. Wildfire.				
If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:				
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	☐	☐	☐	☒
c) Require the installation of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	☐	☐	☐	☒
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☐	☐	☐	☒

Discussion

a) Substantially impair an adopted emergency response plan or emergency evacuation plan?

No impact. State law requires that all local jurisdictions identify very high fire hazard severity zones (VHFHSZ) within their areas of responsibility (California Government Code Section 51175–51189). Inclusion within these zones is based on vegetation density, slope severity, and other relevant factors that contribute to fire severity. The project site is within a local responsibility area, not a state responsibility area (SRA) and is designated by the California Department of Forestry and Fire Protection (CAL FIRE) as a non-VHFHSZ (CAL FIRE 2024). The nearest lands classified as VHFHSZ are several 3 Shelter Island Commercial Fishing Wharf IS Checklist_102824.docx

miles east of the project site (CAL FIRE 2024). Furthermore, the project site is in a developed urban area on and adjacent to the San Diego Bay. Therefore, the project would not substantially impair an adopted emergency response plan or emergency evacuation plan. Further discussion in the EIR is not warranted.

b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?

No impact. As previously discussed, the project site is not located within an SRA or VHFHSZ; therefore, no impact would occur. Further discussion in the EIR is not warranted.

c) Require the installation of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?

No impact. The project site is not located within an SRA or VHFHSZ; therefore, no impact would occur. Further discussion in the EIR is not warranted.

d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

No impact. The project site is not located within an SRA or VHFHSZ; therefore, no impact would occur. Further discussion in the EIR is not warranted.

MANDATORY FINDINGS OF SIGNIFICANCE

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XX. Mandatory Findings of Significance.				
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of an endangered, rare, or threatened species, or eliminate important examples of the major periods of California history or prehistory?	☒	☐	☐	☐
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)	☒	☐	☐	☐
c) Does the project have environmental effects that will cause substantial adverse effects on human beings, either directly or indirectly?	☒	☐	☐	☐

Discussion

a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of an endangered, rare, or threatened species, or eliminate important examples of the major periods of California history or prehistory?

Potentially significant impact. As discussed in Section 3.4, Biological Resources, project construction has potential to result in direct and indirect effects on eelgrass habitat and aquatic wildlife if they were to be present in the project site, which would be a potentially significant impact. As such, this issue will be further evaluated in the EIR.

As part of the project, in-water work is proposed to occur in the Bay, which would cause potential impacts on fish and marine mammal species. Although the shoreline and majority of the Project site above ground is underlain by artificial fill, the SCIC records search results revealed archaeological sites within a half mile of the project site. Further, buildings and structures located on the project site are at least 50 years old and therefore may constitute a historical resource. A historical resources evaluation report is currently being conducted. As such, this issue will be further evaluated in the EIR.

b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)

Potentially significant impact. State CEQA Guidelines Section 15130 requires a discussion of the cumulative impacts of a project when the project's incremental effect is "cumulatively considerable," meaning that the project's incremental effects are considerable when viewed in connection with the effects of past, current, and probable future projects.

As determined by this Initial Study, there may be potentially significant effects related to air quality, biological resources, cultural resources, energy, GHG emissions, hazards/hazardous materials, hydrology/water quality, land use and planning, noise, and transportation. Therefore, the project's potential contribution to cumulative impacts related to these resources will be discussed in the EIR.

Although the project would result in a less than significant impact on aesthetics, agriculture and forest resources, geology and soils, mineral resources, population/housing, public services, recreation, tribal cultural resources, utilities and service systems, or wildfire, the proposed project may have the potential to result in cumulative impacts related to these resource areas. Analysis of the project's cumulative effects will be discussed in the EIR.

c) Does the project have environmental effects that will cause substantial adverse effects on human beings, either directly or indirectly?

Potentially significant impact. Based on the analysis above, the proposed project has the potential to result in significant impacts on air quality, biological resources, cultural resources, energy, GHG emissions, hazards/hazardous materials, hydrology/water quality, land use and planning, noise, and transportation. As such, the project has the potential to result in environmental effects that could cause substantial adverse effects on human beings, either directly or indirectly. Therefore, this issue area will be discussed in the EIR.

REFERENCES

California Department of Conservation. 2022. Earthquake Zones of Required Investigation. Available: https://maps.conservation.ca.gov/cgs/EQZApp/. Accessed October 16, 2024.

———. 2024a. California Important Farmland Finder. Available: maps.conservation.ca.gov/dlrp/ciff/. Accessed October 8, 2024.

———. 2024b. Williamson Act Enrollment Finder. Available: https://gis.conservation.ca.gov/portal/home/item.html?id=18f7488c0a9d4d299f5e9c33b312f312 . Accessed October 8, 2024.

California Department of Forestry and Fire Protection. 2024. Fire Hazard Severity Zones in State Responsibility Area. Available: https://experience.arcgis.com/experience/03beab8511814e79a0e4eabf0d3e7247/. Accessed November 22, 2024.

California Department of Transportation. 2024. California State Scenic Highway System Map. Available: https://caltrans.maps.arcgis.com/apps/webappviewer/index.html?id=465dfd3d807c46cc8e8057116f1aacaa. Accessed October 16, 2024.

California Emergency Management Agency, California Geologic Survey, and University of Southern California. 2009 (June 1). *Tsunami Inundation Map for Emergency Planning, County of San Diego, City of San Diego*. Available: https://www.conservation.ca.gov/cgs/tsunami/maps/san-diego. Accessed October 8, 2024.

CalEMA, CGS, and USC. *See* California Emergency Management Agency, California Geologic Survey, and University of Southern California.

CAL FIRE. *See* California Department of Forestry and Fire Protection.

Caltrans. *See* California Department of Transportation.

City of San Diego. 2015. City of San Diego Zero Waste Plan. Available: https://www.sandiego.gov/sites/default/files/legacy/environmental-services/pdf/recycling/ZWPlan.pdf. Accessed November 22, 2024.

———. 2024a July. "Mineral Production." In *City of San Diego General Plan Conservation Element*, CE-79 through CE-83. Available: https://www.sandiego.gov/planning/work/general-plan. Accessed October 13, 2024.

———. 2024b July. "5.2 Mineral Resources." In *City of San Diego General Plan Final Program Environmental Impact Report.* Page 5-2 through 5-3. Available: https://www.sandiego.gov/planning/genplan/documents/peir. Accessed: October 14, 2024.

County of San Diego. 2022. *Emergency Operations Plan. Annex Q – Evacuation*. Available: https://www.sandiegocounty.gov/content/dam/sdc/oes/emergency_management/plans/op-area-plan/2022/EOP2022_Annex%20Q.pdf. Accessed October 16. 2024.

District. *See* San Diego Unified Port District.

DOC. *See* California Department of Conservation.

Federal Emergency Management Agency. 2024. FEMA Flood Map Service Center. Available: https://msc.fema.gov/portal/home. Accessed October 16, 2024.

FEMA. *See* Federal Emergency Management Agency.

Orth, R.J., Heck Jr., K.L. 2023. The Dynamics of Seagrass Ecosystems: History, Past Accomplishments, and Future Prospects. Estuaries and Coasts 46, 1653-1676. Available: https://doi.org/10.1007/s12237-023-01252-4. Accessed: December 2, 2024.

San Diego Air Pollution Control District. 2024. 2020 Plan for Attaining the National Ambient Air Quality Standards for Ozone in San Diego County. Available: https://www.sdapcd.org/content/dam/sdapcd/documents/grants/planning/Att%20A%20(Attainment%20Plan)_ws.pdf. Accessed December 9, 2024.

SDAPCD. *See* San Diego Air Pollution Control District.

San Diego Unified Port District. 2013. Port of San Diego Climate Action Plan. Available: https://pantheonstorage.blob.core.windows.net/environment/Port-of-San-Diego-Climate-Action-Plan.pdf. Accessed November 26, 2024.

———. 2023a (December). Port Master Plan Update. Available: https://pantheonstorage.blob.core.windows.net/waterfront-development/Final-Draft-PMPU-Approved-by-BPC-2_28_2024.pdf. Accessed October 21, 2024.

———. 2023b. Port Master Plan Update Final Environmental Impact Report. Volume 2. Available: https://pantheonstorage.blob.core.windows.net/waterfront-development/Final-Environmental-Impact-Report-EIR-for-Final-Draft-Port-Master-Plan-Update-February-2024-Volume-2-of-4-Part-2-of-3.pdf Accessed October 16, 2024.

———. 2024a (September). Port Master Plan. Available: https://pantheonstorage.blob.core.windows.net/waterfront-development/Port-Master-Plan.pdf. Accessed November 22, 2024.

———. 2024b (February). Port Master Plan Update. Available: https://pantheonstorage.blob.core.windows.net/waterfront-development/Final-Draft-PMPU-Approved-by-BPC-2_28_2024.pdf. Accessed November 13, 2024.

———. 2024c. Port Master Plan Update Final Environmental Impact Report. Volume 2. Available: pantheonstorage.blob.core.windows.net/waterfront-development/Final-Environmental-Impact-Report-EIR-for-Final-Draft-Port-Master-Plan-Update-February-2024-Volume-2-of-4-Part-2-of-3.pdf. Accessed November 13, 2024.

Appendix D

Air Quality, GHG, and Energy Modeling

Calculation Sheets

Proposed Project

Tables used in sections

Table X. Maximum Daily Emission (lbs/day)

Phase	Dates	Maximum Daily Emissions (lbs/day)					
		ROG	NOx	CO	SOx	PM10T	PM2.5T
Landside Demolition	04/01/2026 – 07/22/2026	<1	5	7	<1	<1	<1
Waterside Demolition Part 1	08/01/2026 – 11/21/2026	5	68	33	<1	2	2
Waterside Construction Part 1	12/01/2026 – 03/23/2027	3	27	19	<1	1	1
Waterside Demolition Part 2	04/01/2027 – 05/27/2027	5	68	33	<1	2	2
Waterside Demolition Part 3	06/01/2027 – 07/27/2027	5	68	33	<1	2	2
Waterside Construction Part 2	07/28/2027 – 08/23/2028	3	29	19	<1	1	1
Maximum Daily		5	68	33	<1	2	2
Significance Threshold		**75**	**250**	**550**	**250**	**100**	**55**
Exceed Threshold?		**No**	**No**	**No**	**No**	**No**	**No**

Construction Emission Off-Road and On-Road

Off-Road Total, Landside + Waterside Construction

Construction Activities	Daily Emissions (lbs/day)					
	ROG	NOx	CO	SOx	PM10E	PM2.5E
Landside Demolition	0.4092	3.3766	4.6025	0.0082	0.1808	0.1663
Waterside Demolition	4.5563	66.8974	31.0535	0.0375	1.6665	1.5753
Waterside Construction	2.2223	26.2200	16.4462	0.0319	0.7803	0.7313

On-Road Total, Exhaust + Fugitive

Phase	Trip type	Daily Emissions (lbs/day)							
		ROG	NOx	CO	SOx	PM10E	PM2.5E	PM10D	PM2.5D
Landside Demolition	Haul Truck	0.3219	1.2745	2.0779	0.0056	0.1803	0.1725	0.3965	0.1006
Waterside Demolition Part 1	Haul Truck	0.3221	1.2983	2.0788	0.0058	0.1807	0.1729	0.4013	0.1019
Waterside Construction Part 1	Delivery Truck	0.3218	1.2528	2.0771	0.0054	0.1800	0.1722	0.3920	0.0994
Waterside Demolition Part 2	Haul Truck	0.3218	1.2507	2.0770	0.0054	0.1800	0.1722	0.3916	0.0993
Waterside Demolition Part 3	Haul Truck	0.3218	1.2593	2.0774	0.0055	0.1801	0.1723	0.3934	0.0998
Waterside Construction Part 2	Truck and Commute	0.4450	2.5691	2.1347	0.0088	0.1872	0.1791	0.4326	0.1102

Construction Emissions Summary

Maximum Daily

Phase	Start	End	Maximum Daily Emissions (lbs/day)									
			ROG	NOx	CO	SOx	PM10E	PM2.5E	PM10D	PM2.5D	PM10T	PM2.5T
Landside Demolition	4/1/2026	7/22/2026	0.7311	4.6511	6.6805	0.0138	0.3611	0.3388	0.3965	0.1006	0.7576	0.4395
Waterside Demolition Part 1	8/1/2026	11/21/2026	4.8784	68.1957	33.1323	0.0433	1.8472	1.7481	0.4013	0.1019	2.2485	1.8500
Waterside Construction Part 1	12/1/2026	3/23/2027	2.5441	27.4728	18.5233	0.0373	0.9603	0.9036	0.3920	0.0994	1.3524	1.0030
Waterside Demolition Part 2	4/1/2027	5/27/2027	4.8781	68.1480	33.1305	0.0430	1.8465	1.7475	0.3916	0.0993	2.2381	1.8468
Waterside Demolition Part 3	6/1/2027	7/27/2027	4.8781	68.1567	33.1308	0.0430	1.8466	1.7476	0.3934	0.0998	2.2400	1.8474
Waterside Construction Part 2	7/28/2027	8/23/2028	2.6673	28.7892	18.5808	0.0407	0.9675	0.9104	0.4326	0.1102	1.4001	1.0206

Construction Emissions Detail

Exhaust Emission from Off-Road Equipment

Construction Activities	Daily Emissions (lbs/day)					
	ROG	NOx	CO	SOx	PM10	PM2.5
Landside Demolition	0.4092	3.3766	4.6025	0.0082	0.1808	0.1663
Waterside Demolition	1.2646	15.4315	14.2195	0.0375	0.4977	0.4579
Waterside Construction	1.1727	9.4863	10.3323	0.0319	0.4066	0.3740

Exhaust Emission from CHC

Construction Activities	Daily Emissions (lbs/day)					
	VOC	NOx	CO	SOx	PM10	PM2.5
Waterside Demolition	3.2917	51.4659	16.8340	0.0000	1.1688	1.1174
Waterside Construction	1.0496	16.7337	6.1139	0.0000	0.3737	0.3573

Exhaust Emission from Mobile

Phase	Trip type	Daily Emissions (lbs/day)							
		ROG	NOx	CO	SOx	PM10E	PM2.5E	PM10D	PM2.5D
Landside Demolition	Haul Truck	0.0127	0.2267	0.0031	0.0009	0.0012	0.0012	0.0049	0.0016
Waterside Demolition Part 1	Haul Truck	0.0129	0.2505	0.0040	0.0011	0.0016	0.0015	0.0063	0.0020
Waterside Construction Part 1	Delivery Truck	0.0125	0.2050	0.0023	0.0007	0.0009	0.0009	0.0037	0.0012
Waterside Demolition Part 2	Haul Truck	0.0125	0.2028	0.0022	0.0007	0.0009	0.0009	0.0035	0.0011
Waterside Demolition Part 3	Haul Truck	0.0126	0.2115	0.0026	0.0008	0.0010	0.0010	0.0040	0.0013
Waterside Construction Part 2	Truck and Commute	0.1358	1.5213	0.0599	0.0041	0.0081	0.0078	0.0131	0.0042
Entire Construction	Commute - workers	0.3092	1.0478	2.0748	0.0047	0.1791	0.1713	0.0215	0.0065

On-Road Fugitive

Phase	Trip type	Emissions (lbs/day)	
		PM10D	PM2.5D
Landside Demolition	Haul Truck	0.0123	0.0031
Waterside Demolition Part 1	Haul Truck	0.0158	0.0039
Waterside Construction Part 1	Delivery Truck	0.0092	0.0023
Waterside Demolition Part 2	Haul Truck	0.0088	0.0022
Waterside Demolition Part 3	Haul Truck	0.0101	0.0025
Waterside Construction Part 2	Truck and commute	0.0403	0.0101
Entire Construction	Commute - workers	0.3577	0.0894

Construction GHG Emission Summary

Table X. Construction GHG Emission Summary

Construction Activities	CO2e (MT)
GHG by Phase	
Off-Road Land Equipment	29
Off-Road Water Equipment	1,221
Truck and Worker Commute	305
Project Total	1,556
GHG by Year	
2026	212
2027	704
2028	640
Project Total	1,556

Construction GHG Emissions Detail

Exhaust Emission from Off-Road Equipment

Construction Activities	CO2e (MT)
Landside Demolition	29
Waterside Demolition	65
Waterside Construction	462

Landside Demolition
Waterside Demolition
Waterside Construction

Exhaust Emission from CHC

Construction Activities	CO2e (MT)
Waterside Demolition	60
Waterside Construction	635

Exhaust Emission from mobile

Phase	Truck CO2e (MT)	Worker MT CO2e
Landside Demolition	4	19
Waterside Demolition Part 1	4	19
Waterside Construction Part 1	3	19
Waterside Demolition Part 2	1	9
Waterside Demolition Part 3	2	9
Waterside Construction Part 2	12	65

Electrical Upgrade	2	0.057908743
Worker	139	

GHGs by source by Phase

Phase	workdays	Off-Road Equip	CHC	Mobile	Total
Landside Demolition	80	29		22	51
Waterside Demolition Part 1	80	32	30	23	85
Waterside Construction Part 1	80	103	141	21	265
Waterside Demolition Part 2	40	16	15	11	42
Waterside Demolition Part 3	40	16	15	11	42
Waterside Construction Part 2	280	359	494	217	1,070

600 workday
160 total workday_ waterside demolition
360 total workday_ waterside construction

Workday Phase Year Distribution

Construction Phase	Phase Start	Phase End	Workdays	2026	2027	2028
Landside Demolition	4/1/2026	7/22/2026	80	81	0	0
Waterside Demolition Part 1	8/1/2026	11/21/2026	80	80	0	0
Waterside Construction Part 1	12/1/2026	3/23/2027	80	23	58	0
Waterside Demolition Part 2	4/1/2027	5/27/2027	40	0	41	0
Waterside Demolition Part 3	6/1/2027	7/27/2027	40	0	41	0
Waterside Construction Part 2	7/28/2027	8/23/2028	280	0	113	168

Workday Percent Distribution

Construction Phase	2026	2027	2028
Landside Demolition	100%		
Waterside Demolition Part 1	100%		
Waterside Construction Part 1	28%	72%	
Waterside Demolition Part 2		100%	
Waterside Demolition Part 3		100%	
Waterside Construction Part 2		40%	60%

GHG Emission Distribution

Construction Phase	2026	2027	2028
Landside Demolition	51		
Waterside Demolition Part 1	85		
Waterside Construction Part 1	75	190	
Waterside Demolition Part 2		42	
Waterside Demolition Part 3		42	
Waterside Construction Part 2		430	640
Yearly total	212	704	640

Energy Consumption, Construction

Table X. Project Energy Consumption Summary

Source	Diesel (gallons)	Gasoline (gallons)
Off-Road Land Equipment	2,880	-
Off-Road Water Equipment	120,380	-
Trucks and Worker Commute	1,851	13,562
Project Total	**125,111**	**13,562**

Off-Road Equipment Energy Consumption

Phase	Diesel (gallons)
Landside Demolition	2,880
Waterside Demolition	6,335
Waterside Construction	45,096

Note: Fuel consumption summarized over all equipment during phases. See sheet Off-Road Land Emissions for detailed equipment fuel consumption.

CHC Energy Consumption

Phase	Diesel (gallons)
Waterside Demolition	6,076
Waterside Construction	62,874

Note: Fuel consumption calculation is in sheet CHC Emissions

Mobile Energy Consumption

Source	Diesel (gallons)	Gasoline (gallons)
Trucks	1,851	-
Worker Commute	-	13,562

Note: Worker commute energy calculation is in sheet On-Road Exhaust.

Fugitive Dust Emissions

On-Road Dust Emissions

Phase	Vehicle Type	Total VMT (mi)	Workdays	Paved Road VMT (mi)	Total Emissions (lbs)		Emissions (lbs/day)	
					PM10	PM2.5	PM10	PM2.5
Landside Demolition	Haul Truck	1,560	80	1,560	0.985	0.246	0.012	0.003
Waterside Demolition Part 1	Haul Truck	2,000	80	2,000	1.263	0.316	0.016	0.004
Waterside Construction Part 1	Delivery Truck	1,160	80	1,160	0.733	0.183	0.009	0.002
Waterside Demolition Part 2	Haul Truck	560	40	560	0.354	0.088	0.009	0.002
Waterside Demolition Part 3	Haul Truck	640	40	640	0.404	0.101	0.010	0.003
Waterside Construction Part 2	Delivery Truck	4,960	280	4,960	3.132	0.783	0.011	0.003
Entire Construction	Commute -	339,840	600	339,840	214.619	53.655	0.358	0.089

Assume default of 100% paved roads for worker, construction hauling, vendor trips in San Diego County (CalEEMod default Appendix G21)

Emission Factors

PM10 EF (lbs/VMT)	
Paved Roads	**Paved Roads, Corrected**
6.6E-4	6.3E-4

Emission factor for travel on paved roads is estimated using Eq 3 and 3a on worksheet "Fugitive Dust EF".
For calculating EF from paved road, the average weight of all vehicles traveling the road is assumed to be 2.4 tons

PM2.5 to PM10 Mass Emission Ratio used in Calculation

Fugitive Dust Source	PM2.5/PM10	Reference
Paved road	0.25	EPA. AP-42. Analysis of the Fine Fraction of Particulate Matter in Fugitive Dust, Final
Unpaved road	0.15	EPA. AP-42. Analysis of the Fine Fraction of Particulate Matter in Fugitive Dust, Final

Fugitive Dust Emission Factors

Travel on Paved Roads

E(lbs/VMT)=(k)(sL)^.91 (W)^1.02

Where:	PM10	Unit	Source	
k= Particle Size Multiplier:	0.0022	lb/VMT	AP-42 Chapter 13.2.1, Table 13.2.1-1, PM10 emissions	
sL= road surface silt loading	0.1	g/m^2	Caleemod default	
W= average weight of the vehicles traveling the roa	2.4	tons	Statewide average vehicle weight in CA	
PM10 Emission factor	0.00066	lbs/VMT	Public roads	

Correction for Natural Precipitation[5]

E(ext)=E[(1-P/4N)]

Where:		Unit	Source	
Eext = annual or other long-term average emission factor		dimensionless		
P=#days/yr with >=0.01 inch precipitation during	43	days	Western Regional Climate Center	SAN DIEGO LINDBERGH FLD, CALIFORNIA
N=# days in averaging period	365	days		
Corrected EF PM10	**0.00064**	lbs/VMT	Public roads	

Sources

EPA. AP 42, Fifth Edition, Volume I, Chapter 13: Miscellaneous Sources, 13.2.1 Paved Road, Eqn. 1

EPA. AP 42, Fifth Edition, Volume I, Chapter 13: Miscellaneous Sources, 13.2.1 Paved Road, Eqn. 2

Offroad Equipment Emissions

Off-Road Land Equipment Emission

Phase	Equipment	Modeled Equipment Name	#/day	Hours per day	Engine Tier	Workdays	HP	LD	HP Bin	Emission Factor (grams/hp-hr)								Emission (lbs/day)								Gallons/ hp-hr	Diesel (gallons)	CO2 (MT)
										ROG	TOG	CO	NOx	CO2	PM10	PM2.5	SOx	ROG	TOG	CO	NOx	CO2	PM10	PM2.5	SOx			
Landside Demolition	Concrete/Industrial Saws	Concrete/Industrial Saws	1	8	na	80	33	0.73	50	0.3012	0.3644	3.15	2.5742	427.42	0.0621	0.0571	0.0054	0.13	0.1548	1.3384	1.0937	181.6	0.0264	0.0243	0.0023	0.0420	647	7
Landside Demolition	Rubber Tired Dozers	Rubber Tired Dozers	1	1	na	80	367	0.4	600	0.1727	0.2055	1.3608	1.1545	454.78	0.0578	0.0532	0.0043	0.06	0.0665	0.4404	0.3736	147.19	0.0187	0.0172	0.0014	0.0446	524	5
Landside Demolition	Tractors/Loaders/Backhoes	Tractors/Loaders/Backhoes	2	6	na	80	84	0.37	100	0.274	0.3261	3.4342	2.322	583.58	0.165	0.1518	0.0055	0.23	0.2681	2.8237	1.9093	479.84	0.1357	0.1248	0.0045	0.0573	1,709	17
Waterside Demolition	American 5299 Crane (On	Cranes	1	8	Tier 3	50	168	0.29	175	0.2923	0.3478	3.4078	2.6743	653.18	0.1367	0.1258	0.0062	0.25	0.2989	2.9282	2.2979	561.26	0.1175	0.1081	0.0053	0.0641	1,249	13
Waterside Demolition	Ape 775 HP Vibratory Piledriver HPU	Cranes	1	8	Tier 4	20	775	0.29	9999	0.1163	0.1384	0.9337	2.2518	509.46	0.0468	0.043	0.0048	0.46	0.5487	3.701	8.9261	2019.5	0.1853	0.1705	0.0191	0.0500	1,798	18
Waterside Demolition	Byron Jackson Jet Pump	Rental Pump	1	8	Tier 4	35	200	0.2	300	0.0408	0.0486	0.3389	0.2017	164.56	0.0084	0.0077	0.0015	0.03	0.0343	0.2391	0.1423	116.09	0.0059	0.0054	0.0011	0.0162	181	2
Waterside Demolition	American #250 Anchor Winch (on DB Palomar)	Other Material Handling Equ	1	8	Tier 4	55	173	0.4	175	0.2145	0.2553	3.0116	1.6654	519.81	0.0774	0.0712	0.0049	0.26	0.3116	3.6756	2.0326	634.42	0.0945	0.0869	0.006	0.0510	1,553	16
Waterside Demolition	DB Palomar Skagit 2-Drum Waterfall Spud Winch	Other Material Handling Equ	1	8	Tier 3	55	173	0.4	175	0.2145	0.2553	3.0116	1.6654	519.81	0.0774	0.0712	0.0049	0.26	0.3116	3.6756	2.0326	634.42	0.0945	0.0869	0.006	0.0510	1,553	16
Waterside Construction	Crane barge	Cranes	1	4	na	360	367	0.29	600	0.1439	0.1713	1.3323	1.1726	528.11	0.0503	0.0463	0.005	0.14	0.1608	1.2504	1.1005	495.66	0.0472	0.0434	0.0047	0.0518	7,943	81
Waterside Construction	Pump	Rental Pump	1	4	na	360	200	0.2	300	0.0408	0.0486	0.3389	0.2017	164.56	0.0084	0.0077	0.0015	0.01	0.0171	0.1195	0.0712	58.046	0.003	0.0027	0.0005	0.0162	931	9
Waterside Construction	Vibratory hammer	Cranes	1	4	na	360	630	0.29	750	0.1223	0.1456	1.0475	1.1055	514.51	0.0471	0.0433	0.0049	0.20	0.2346	1.6877	1.781	828.96	0.0758	0.0698	0.0079	0.0505	13,284	135
Waterside Construction	Impact hammer (only for concrete support piles at	Cranes	1	4	na	360	367	0.29	600	0.1439	0.1713	1.3323	1.1726	528.11	0.0503	0.0463	0.005	0.14	0.1608	1.2504	1.1005	495.66	0.0472	0.0434	0.0047	0.0518	7,943	81
Waterside Construction	Jetting hose	Bore/Drill Rigs	1	4	na	360	400	0.5	600	0.2079	0.2474	1.3584	1.5292	504.75	0.0686	0.0632	0.0048	0.37	0.4363	2.3959	2.6971	890.22	0.1211	0.1114	0.0084	0.0495	14,266	145
Waterside Construction		Concrete Pump	1	4	na	360	11	0.74	100	0.2516	0.2994	3.5744	2.3508	622.79	0.1605	0.1477	0.0059	0.02	0.0215	0.2566	0.1687	44.706	0.0115	0.0106	0.0004	0.0611	716	7

Notes: Emission factors were derived from either OFFROAD Emission Inventory or from CalEEMod default diesel emission factor (sheet OFFROAD EF). Load factors were from CalEEMod default for diesel equipment (Sheet Default HP LF). Horsepower not provided were determined using equipment models used in similar projects, as follows:

Vibratory Hammer

Vibratory Hammer APE Model 200	
HP	**630**

Vibratory Hammer APE model 200-6 uses Caterpillar CAT Engine C18 ACERT Tier III Certified

Impact Hammer Horsepower Calculation

Equipment Model	Delmag - D46-32	Delmag D36-32
ax energy per blow (ft-lb	122435	90720
Blows per min	44	45
Energy (ft-lbs/min)	5387140	4037040
HP	**163**	122

1 HP = 33,000 ft-lbs/min

Equipment specs from Delmag Diesel Pile Hammers Specs for specified models

Total Energy per Minute=Energy per Blow×Blows per Minute

HP Bin
0
25
50
75
100
175
300
600
750
9999

Construction Equipment Details

Land Demolition

Offroad Equipment Category	Equipment	Modeled Equipment	Fuel	Number Per Day	Hours Per Day Per Equipment	Engine Tier	Workdays	HP	Load factor	Equip Hours
Construction	Concrete/Industrial Saws	Concrete/Industrial Saws	Diesel	1	8	na	80	33	0.73	640
Construction	Rubber Tired Dozers	Rubber Tired Dozers	Diesel	1	1	na	80	367	0.4	80
Construction	Tractors/Loaders/Backhoes	Tractors/Loaders/Backhoes	Diesel	2	6	na	80	84	0.37	480

Equipment number and hours are based on CalEEMod default for demolition project size < 1 acre
Equipment HPs and Load factors are CalEEMod default.

Waterside Demolition Equipment

Offroad Equipment Category	Equipment Type	Modeled Equipment	Fuel	Quantity	Hours of Use/Day	Engine Tier or Engine Year	Workdays	HP	Load Factor	Equip Hours
Construction	American 5299 Crane (On Flexifloat Spud Barge)	Cranes	*Diesel*	*1*	8	Tier 3	50	168	0.29	400
Construction	Ape 775 HP Vibratory Piledriver HPU	Cranes	*Diesel*	1	8	Tier 4	20	775	0.29	160
Construction	Byron Jackson Jet Pump	Rental Pump	*Diesel*	1	8	Tier 4	35	200	0.20	280
CHC	Derrick Barge DB Palomar	None								
Construction	American #250 Anchor Winch (on DB Palomar)	Other Material Handling Equipment	*Diesel*	1	8	Tier 4	55	173	0.40	440
Construction	DB Palomar Skagit 2-Drum Waterfall Spud Winch	Other Material Handling Equipment	*Diesel*	1	8	Tier 3	55	173	0.40	440
CHC	DB Palomar Main Engine	AE - Barge-Other	*Diesel*	1	8	Tier 3	55	600		440
CHC	DB Palomar Genset	AE - Barge-Other	*Diesel*	1	8	Tier 3	55	300		440
CHC	Killeen – Harbor Tug	None	No engine	1	8		2			16
CHC	Killeen Rear Genset - Harbor Tug	ME - Tugboat-Push/Tow	*Diesel*	1	8	Tier 3	2	803		16
CHC	Killeen Forward Genset - Harbor Tug	ME - Tugboat-Push/Tow	*Diesel*	1	8	Tier 3	2	803		16
CHC	Survey Boat	ME - Work Boat	*Diesel*	N/A		Tier 3 - BACT		230		
CHC	Push Boat Jeanie R	ME - Work Boat	*Diesel*	1	4		40			160
CHC	Push Boat Jeanie R -Main Engine	ME - Work Boat	*Diesel*	1	4	Tier 4	40	234		160
CHC	Push Boat Jeanie R – Main Engine	ME - Work Boat	*Diesel*	1	4	Tier 4	40	234		160

Note: Both anchor winches and spud winches are used to lift and position heavy loads, similar to hoisting equipment in material handling, and thus modeled as Other Material Handling Equipment

Waterside Construction Equipment

Note: Equipment is based on Triton Response_110824.docx and email, need to update based on other similar project

Offroad Equipment Category	Equipment	Modeled Equipment	Fuel	Number of Equipment	Hours per day	Engine Tier	Workdays	HP	Load Factor	Notes	Equip Hours
Construction	Crane barge	Cranes	Diesel	1	4	na	360	367	0.29		1440
Construction	Pump	Rental Pump	Diesel	1	4	na	360	200	0.20		1440
Construction	Vibratory hammer	Cranes	Diesel	1	4	na	360	630	0.29	1	1440
Construction	Impact hammer (only for concrete support piles at Pier 4)	Cranes	Diesel	1	4	na	360	367	0.29	2	1440
Construction	Jetting hose	Bore/Drill Rigs	Diesel	1	4	na	360	400	0.5	3	1440
Construction		Concrete Pump	Diesel	1	4	na	360	11	0.74	4	1440
On-Road	Delivery truck		Diesel	1	8	na	360	na			2880
CHC	Barge	None	No Engine	1	8	na	360	0			2880
CHC	Tug	ME - Tugboat-Push/Tow	Diesel	1	8	na	360	803			2880

Notes
Vibratory hammer is modeled as drilling rig. Horsepower is of Vibratory Hammer APE model 200-6 that uses Caterpillar CAT Engine C18 ACERT Tier III Certified, from a similar project (MGBW)
Impact hammer is modeled as cranes because impact hammers often use a crane-like structure for the hammer mechanism
Jet hose/Jet piling/jet grouting piles involves injecting a high-pressure jet of water, air, or grout into the ground to break up and mix the existing soil, forming a cemented column or pile in place. It has drilling, high-pressure jet injection, soil mixing and grouting, and pile formation process. Thus, it is modeled as a drill rig (typically 100-400 HP) and a concrete pump (50-300 HP), assuming grout injection is involved.

OFFROAD Emission Inventory

Model Output: OFFROAD2021 (v1.1.0) Emissions Inventory
Region Type: Statewide
Region: California
Calendar Year: 2026
Scenario: All Adopted Rules - Exhaust
Vehicle Classification: OFFROAD2021 Equipment Types
Units: tons/day for Emissions, gallons/year for Fuel, hours/year for Activity, Horsepower-hours/year for Horsepower-hours

Emission Factor (g/hp-hr)

Region	Calendar Year	Vehicle Category	Model Year	Horsepower Bin	Fuel	HC_tpd	ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd	NH3_tpd	Fuel Consumption	Total_Activity_hpy	Total_Population	Horsepower_Hours_hhpy	ROG	TOG	CO	NOx	CO2	PM10	PM2.5	SOx	Gallons per Horsepower-hour	Offroad Equipment Short Name
Statewide Totals	2026	Construction and Mining - Bore/Drill Rigs	Aggregate	100	Diesel	0.00186	0.00225	0.00268	0.02389	0.01889	3.95282	0.00142	0.0013	3.7E-05	0	128448	51747.5	101.015	2272054	0.3282735	0.391	3.482	2.753	576.0726	0.206288	0.189785	0.005457	0.057	Bore/Drill Rigs
Statewide Totals	2026	Construction and Mining - Bore/Drill Rigs	Aggregate	175	Diesel	0.00998	0.01208	0.01437	0.16396	0.08729	28.0088	0.00408	0.00375	0.00027	0	910152	260001	400.299	1.8E+07	0.2197591	0.262	2.984	1.589	509.731	0.074175	0.068241	0.004829	0.050	Bore/Drill Rigs
Statewide Totals	2026	Construction and Mining - Bore/Drill Rigs	Aggregate	300	Diesel	0.01204	0.01457	0.01733	0.07716	0.11474	33.363	0.00504	0.00464	0.00032	0	1084137	192576	313.202	2.2E+07	0.2215741	0.264	1.174	1.745	507.5305	0.076714	0.070577	0.004808	0.050	Bore/Drill Rigs
Statewide Totals	2026	Construction and Mining - Bore/Drill Rigs	Aggregate	50	Diesel	0.00131	0.00158	0.00189	0.01128	0.00924	1.32807	0.00046	0.00043	1.3E-05	0	43155.9	38749.2	82	769535	0.6819579	0.812	4.852	3.977	571.4542	0.199582	0.183616	0.005413	0.056	Bore/Drill Rigs
Statewide Totals	2026	Construction and Mining - Bore/Drill Rigs	Aggregate	600	Diesel	0.01633	0.01976	0.02352	0.12916	0.14539	47.9896	0.00653	0.006	0.00045	0	1559430	155035	269.112	3.1E+07	0.207863	0.247	1.358	1.529	504.7455	0.068645	0.063154	0.004781	0.050	Bore/Drill Rigs
Statewide Totals	2026	Construction and Mining - Bore/Drill Rigs	Aggregate	75	Diesel	0.00236	0.00286	0.0034	0.03084	0.02931	5.12917	0.00089	0.00082	4.9E-05	0	166673	92779.9	191.015	2952194	0.3206511	0.382	3.459	3.287	575.2956	0.099987	0.091988	0.00545	0.056	Bore/Drill Rigs
Statewide Totals	2026	Construction and Mining - Bore/Drill Rigs	Aggregate	750	Diesel	0.00588	0.00712	0.00847	0.03862	0.05267	19.8099	0.00226	0.00208	0.00019	0	643725	39567.7	70.0234	1.3E+07	0.1823054	0.217	0.989	1.349	507.4024	0.057958	0.053322	0.004807	0.050	Bore/Drill Rigs
Statewide Totals	2026	Construction and Mining - Bore/Drill Rigs	Aggregate	9999	Diesel	0.00192	0.00233	0.00277	0.01236	0.03163	6.56553	0.00069	0.00064	6.2E-05	0	213348	9918.84	17	4229323	0.182304	0.217	0.967	2.476	514.0287	0.054188	0.049853	0.004869	0.050	Bore/Drill Rigs
Statewide Totals	2026	Construction and Mining - Concrete Pump	Aggregate	100	Diesel	4.5E-05	5.4E-05	6.5E-05	0.00077	0.00051	0.13424	3.5E-05	3.2E-05	1.3E-06	0	4362.3	2148.93	4.00456	71374.4	0.2516186	0.299	3.574	2.351	622.7912	0.160506	0.147666	0.0059	0.061	Concrete Pump
Statewide Totals	2026	Construction and Mining - Concrete Pump	Aggregate	175	Diesel	0.0006	0.00073	0.00086	0.01299	0.00391	2.14381	0.00014	0.00013	2E-05	0	69663.5	25576.2	32	1380981	0.1738867	0.207	3.115	0.937	514.0287	0.033868	0.031158	0.004869	0.050	Concrete Pump
Statewide Totals	2026	Construction and Mining - Concrete Pump	Aggregate	300	Diesel	0.00021	0.00026	0.00031	0.00187	0.00078	0.86006	4.7E-05	4.4E-05	8.1E-06	0	27947.8	7434.3	12	554026	0.1546465	0.184	1.119	0.464	514.0287	0.028367	0.026098	0.004869	0.050	Concrete Pump
Statewide Totals	2026	Construction and Mining - Concrete Pump	Aggregate	50	Diesel	9E-06	1.1E-05	1.3E-05	8.1E-05	7E-05	0.01178	2.2E-06	2E-06	1.1E-07	0	382.948	387.106	1	6828.55	0.5307058	0.632	3.944	3.401	571.4542	0.105796	0.097333	0.005413	0.056	Concrete Pump
Statewide Totals	2026	Construction and Mining - Concrete Pump	Aggregate	600	Diesel	0.00062	0.00075	0.00089	0.00382	0.00773	2.02661	0.00024	0.00022	1.9E-05	0	65855	9382.51	18	1305483	0.1902552	0.226	0.969	1.961	514.0287	0.059848	0.05506	0.004869	0.050	Concrete Pump
Statewide Totals	2026	Construction and Mining - Concrete Pump	Aggregate	75	Diesel	7.2E-05	8.8E-05	0.0001	0.00086	0.00083	0.14153	2.6E-05	2.4E-05	1.3E-06	0	4599.03	3454.66	7	82007.7	0.3536442	0.421	3.484	3.333	571.4542	0.104866	0.096477	0.005413	0.056	Concrete Pump
Statewide Totals	2026	Construction and Mining - Cranes	Aggregate	100	Diesel	0.00086	0.00104	0.00124	0.00987	0.00886	1.93523	0.00062	0.00057	1.8E-05	0	62885.6	29282.4	151.196	726742	0.4758928	0.566	4.496	4.038	881.7404	0.28052	0.258079	0.008353	0.087	Cranes
Statewide Totals	2026	Construction and Mining - Cranes	Aggregate	175	Diesel	0.0055	0.00666	0.00792	0.07763	0.06092	14.8798	0.00311	0.00286	0.00014	0	483523	178938	679.924	7543222	0.2922763	0.348	3.408	2.674	653.1759	0.136685	0.125751	0.006187	0.064	Cranes
Statewide Totals	2026	Construction and Mining - Cranes	Aggregate	25	Diesel	3.4E-05	4.1E-05	4.9E-05	0.00041	0.00027	0.09825	1.7E-05	1.6E-05	9.3E-07	0	3192.61	328.317	2	2070.86	6.5705901	7.82	65.64	42.64	15709.59	2.707179	2.490604	0.148814	1.542	Cranes
Statewide Totals	2026	Construction and Mining - Cranes	Aggregate	300	Diesel	0.01283	0.01552	0.01847	0.11385	0.12935	45.4736	0.00632	0.00581	0.00043	0	1477672	389933	1529.2	2.7E+07	0.1903813	0.227	1.396	1.586	557.6822	0.077502	0.071302	0.005283	0.055	Cranes
Statewide Totals	2026	Construction and Mining - Cranes	Aggregate	50	Diesel	0.00012	0.00015	0.00018	0.00101	0.00081	0.18755	4E-05	3.7E-05	1.8E-06	0	6094.62	5103.87	26.0246	59218	0.8314545	0.989	5.671	4.523	1048.728	0.223917	0.206004	0.009934	0.103	Cranes
Statewide Totals	2026	Construction and Mining - Cranes	Aggregate	600	Diesel	0.01401	0.01695	0.02018	0.15695	0.13814	62.2142	0.00593	0.00545	0.00059	0	2021660	322222	1222.02	3.9E+07	0.143924	0.171	1.332	1.173	528.1137	0.050319	0.046294	0.005003	0.052	Cranes
Statewide Totals	2026	Construction and Mining - Cranes	Aggregate	75	Diesel	0.00045	0.00054	0.00064	0.00401	0.00491	0.78845	0.00028	0.00026	7.5E-06	0	25620.8	14101.4	77.0484	250814	0.713729	0.849	5.297	6.48	1040.904	0.375662	0.345609	0.00986	0.102	Cranes
Statewide Totals	2026	Construction and Mining - Cranes	Aggregate	750	Diesel	0.00189	0.00228	0.00272	0.01956	0.02064	9.6077	0.00088	0.00081	9.1E-05	0	312204	33200.2	141.044	6183186	0.1223435	0.146	1.047	1.105	514.5125	0.047061	0.043296	0.004874	0.050	Cranes
Statewide Totals	2026	Construction and Mining - Cranes	Aggregate	9999	Diesel	0.00061	0.00074	0.00088	0.00593	0.01431	3.23779	0.0003	0.00027	3.1E-05	0	105212	8015.71	33.0197	2104383	0.116317	0.138	0.934	2.252	509.4624	0.046755	0.043014	0.004826	0.050	Cranes
Statewide Totals	2026	Construction and Mining - Misc - Concrete/Industrial Saws	Aggregate	50	Diesel	0.00076	0.00091	0.0011	0.00951	0.00777	1.29003	0.00019	0.00017	1.6E-05	1E-05	41960.4	30284.1	51.74	999374	0.3011772	0.364	3.15	2.574	427.4246	0.062114	0.057145	0.00542	0.042	Concrete/Industrial Saws
Statewide Totals	2026	Construction and Mining - Rubber Tired Dozers	Aggregate	100	Diesel	0.00072	0.00087	0.00104	0.00833	0.00683	1.42649	0.00056	0.00052	1.4E-05	0	46354.1	22168.1	50.0356	768619	0.3751214	0.446	3.588	2.942	614.5355	0.241955	0.222598	0.005821	0.060	Rubber Tired Dozers
Statewide Totals	2026	Construction and Mining - Rubber Tired Dozers	Aggregate	175	Diesel	0.00183	0.00221	0.00264	0.02597	0.01772	4.32876	0.00086	0.00079	4.1E-05	0	140664	48590	83.037	2773570	0.2644031	0.315	3.1	2.116	516.7882	0.102607	0.094398	0.004895	0.051	Rubber Tired Dozers
Statewide Totals	2026	Construction and Mining - Rubber Tired Dozers	Aggregate	300	Diesel	0.00181	0.00219	0.0026	0.01367	0.01367	5.37487	0.00072	0.00067	5.1E-05	0	174657	38213.7	67.0561	3480044	0.2080399	0.248	1.301	1.3	511.4133	0.068885	0.063374	0.004845	0.050	Rubber Tired Dozers
Statewide Totals	2026	Construction and Mining - Rubber Tired Dozers	Aggregate	50	Diesel	0.00014	0.00017	0.0002	0.00184	0.00122	0.39745	4.1E-05	3.7E-05	3.8E-06	0	12915.2	6928.05	18.0687	107774	0.5133032	0.611	5.648	3.741	1221.119	0.125111	0.115102	0.011567	0.120	Rubber Tired Dozers
Statewide Totals	2026	Construction and Mining - Rubber Tired Dozers	Aggregate	600	Diesel	0.00891	0.01078	0.01283	0.08496	0.07208	28.3921	0.00361	0.00332	0.00027	0	922607	132585	244.926	2.1E+07	0.1727045	0.206	1.361	1.155	454.7831	0.057778	0.053156	0.004308	0.045	Rubber Tired Dozers
Statewide Totals	2026	Construction and Mining - Rubber Tired Dozers	Aggregate	75	Diesel	0.00035	0.00043	0.00051	0.00398	0.00432	0.7287	0.00017	0.00016	6.9E-06	0	23679.4	13963.1	30.0514	345173	0.4108554	0.489	3.821	4.141	699.041	0.163551	0.150467	0.006622	0.069	Rubber Tired Dozers
Statewide Totals	2026	Construction and Mining - Rubber Tired Dozers	Aggregate	750	Diesel	0.00021	0.00025	0.0003	0.0018	0.00134	0.85309	6.9E-05	6.3E-05	8.1E-06	0	27721.3	2570.04	5.0127	686933	0.1198826	0.143	0.865	0.647	411.2144	0.033198	0.030543	0.003895	0.040	Rubber Tired Dozers
Statewide Totals	2026	Construction and Mining - Rubber Tired Dozers	Aggregate	9999	Diesel	0.00059	0.00072	0.00085	0.00485	0.01251	2.39746	0.00031	0.00029	2.3E-05	0	77905.9	2953.5	5	1544376	0.1537619	0.183	1.04	2.682	514.0287	0.066841	0.061494	0.004869	0.050	Rubber Tired Dozers
Statewide Totals	2026	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	100	Diesel	0.13457	0.16283	0.19378	2.04066	1.37979	346.771	0.09806	0.09021	0.00328	0	1.1E+07	6077385	12668.9	2E+08	0.2740288	0.326	3.434	2.322	583.5781	0.16502	0.151818	0.005528	0.057	Tractors/Loaders/Backhoes
Statewide Totals	2026	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	175	Diesel	0.11348	0.13731	0.16342	2.154	0.8914	362.055	0.03807	0.03502	0.00343	0	1.2E+07	4948464	7515.81	2.3E+08	0.1963415	0.234	3.08	1.275	517.6896	0.054433	0.050079	0.004904	0.051	Tractors/Loaders/Backhoes
Statewide Totals	2026	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	25	Diesel	6E-06	7.3E-06	8.7E-06	6.5E-05	4.9E-05	0.0073	3.2E-06	2.9E-06	6.9E-08	0	237.339	497.312	2	4232.12	0.5693484	0.678	5.057	3.867	571.4542	0.248161	0.228308	0.005413	0.056	Tractors/Loaders/Backhoes
Statewide Totals	2026	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	300	Diesel	0.04449	0.05383	0.06407	0.33103	0.32871	152.849	0.01423	0.01309	0.00145	0	4966865	1214556	2068.77	9.8E+07	0.181008	0.215	1.113	1.105	513.9389	0.04785	0.044022	0.004868	0.050	Tractors/Loaders/Backhoes
Statewide Totals	2026	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	50	Diesel	0.03681	0.04455	0.05301	0.26327	0.21509	33.4167	0.01145	0.01054	0.00032	0	1085882	1280468	3230.67	1.8E+07	0.8328871	0.991	4.923	4.022	624.8134	0.214118	0.196989	0.005919	0.061	Tractors/Loaders/Backhoes
Statewide Totals	2026	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	600	Diesel	0.03144	0.03804	0.04527	0.26102	0.21334	115.824	0.0095	0.00874	0.0011	0	3763719	524014	881.443	7.6E+07	0.1665853	0.198	1.143	0.934	507.2231	0.041613	0.038284	0.004805	0.050	Tractors/Loaders/Backhoes
Statewide Totals	2026	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	75	Diesel	0.07646	0.09251	0.1101	0.8821	0.91209	148.25	0.03101	0.02853	0.0014	0	4817422	3382630	7630.57	8.3E+07	0.3700206	0.44	3.528	3.648	592.9516	0.124037	0.114114	0.005617	0.058	Tractors/Loaders/Backhoes
Statewide Totals	2026	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	750	Diesel	0.00144	0.00174	0.00207	0.01302	0.0112	5.34792	0.00059	0.00054	5.1E-05	0	173782	13550.9	26.0152	3500418	0.1646271	0.196	1.232	1.06	505.8875	0.055846	0.051378	0.004792	0.050	Tractors/Loaders/Backhoes
Statewide Totals	2026	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	9999	Diesel	0.0071	0.00859	0.01023	0.06138	0.1124	21.2043	0.00334	0.00307	0.0002	0	689036	19166.5	35.0113	1.4E+07	0.2053057	0.244	1.467	2.686	506.6689	0.079779	0.073397	0.0048	0.050	Tractors/Loaders/Backhoes
Statewide Totals	2026	Portable Equipment - Rental Pump	Aggregate	100	Diesel	0.00694	0.00839	0.00999	0.19971	0.07487	27.8043	0.0063	0.0058	0.00026	2E-04	904384	642321	634.038	5.6E+07	0.0496638	0.059	1.182	0.443	164.5555	0.037287	0.034304	0.001524	0.016	Rental Pump
Statewide Totals	2026	Portable Equipment - Rental Pump	Aggregate	175	Diesel	0.01508	0.01825	0.02171	0.44882	0.10735	74.4775	0.00422	0.00388	0.00069	6E-04	2422514	1049408	1035.88	1.5E+08	0.0403124	0.048	0.992	0.237	164.5555	0.009314	0.008569	0.001524	0.016	Rental Pump
Statewide Totals	2026	Portable Equipment - Rental Pump	Aggregate	300	Diesel	0.02405	0.02911	0.03464	0.24162	0.14385	117.327	0.00599	0.00551	0.00109	1E-03	3816280	1020156	1007	2.4E+08	0.0408208	0.049	0.339	0.202	164.5555	0.008395	0.007723	0.001524	0.016	Rental Pump
Statewide Totals	2026	Portable Equipment - Rental Pump	Aggregate	50	Diesel	0.00038	0.00046	0.00054	0.0057	0.00356	0.63271	5.2E-05	4.8E-05	5.9E-06	5E-06	20580	23157.7	22.859	1145211	0.1320306	0.157	1.649	1.029	182.9391	0.014962	0.013765	0.001692	0.018	Rental Pump
Statewide Totals	2026	Portable Equipment - Rental Pump	Aggregate	600	Diesel	0.0209	0.02529	0.03009	0.20255	0.11356	102.169	0.00536	0.00493	0.00095	8E-04	3323242	516782	510.117	2.1E+08	0.040728	0.048	0.326	0.183	164.5555	0.008632	0.007942	0.001524	0.016	Rental Pump
Statewide Totals	2026	Portable Equipment - Rental Pump	Aggregate	75	Diesel	0.00561	0.00679	0.00808	0.1226	0.09532	18.807	0.00196	0.0018	0.00017	2E-04	611732	532626	525.758	3.8E+07	0.0594126	0.071	1.073	0.834	164.5555	0.017135	0.015764	0.001524	0.016	Rental Pump
Statewide Totals	2026	Portable Equipment - Rental Pump	Aggregate	750	Diesel	0.00148	0.0018	0.00214	0.01259	0.01171	6.30247	0.00064	0.00059	5.8E-05	5E-05	204999	19501.2	19.2497	1.3E+07	0.0468848	0.056	0.329	0.306	164.5555	0.01663	0.0153	0.001524	0.016	Rental Pump
Statewide Totals	2026	Portable Equipment - Rental Pump	Aggregate	9999	Diesel	0.00027	0.00033	0.00039	0.00491	0.01518	2.70441	0.00031	0.00029	2.5E-05	2E-05	87965.6	1218.82	1.20311	5441870	0.0200122	0.024	0.299	0.924	164.5555	0.019069	0.017543	0.001525	0.016	Rental Pump
Statewide Totals	2026	Construction and Mining - Other Material Handling Equipment	Aggregate	100	Diesel	0.00167	0.00202	0.00241	0.02106	0.01693	3.59424	0.00122	0.00113	3.4E-05	0	116795	57036.7	146.039	2012666	0.332903	0.396	3.464	2.785	591.3214	0.201347	0.185239	0.005601	0.058	Other Material Handling Equipment
Statewide Totals	2026	Construction and Mining - Other Material Handling Equipment	Aggregate	175	Diesel	0.00504	0.00609	0.00725	0.08556	0.04731	14.7678	0.0022	0.00202	0.00014	0	479882	181823	355.089	9407214	0.2145142	0.255	3.012	1.665	519.8089	0.077413	0.07122	0.004924	0.051	Other Material Handling Equipment
Statewide Totals	2026	Construction and Mining - Other Material Handling Equipment	Aggregate	300	Diesel	0.00446	0.00539	0.00642	0.03357	0.03652	15.0887	0.00168	0.00154	0.00014	0	490309	104071	222.085	9722277	0.1837047	0.219	1.143	1.244	513.8921	0.057133	0.052562	0.004868	0.050	Other Material Handling Equipment
Statewide Totals	2026	Construction and Mining - Other Material Handling Equipment	Aggregate	50	Diesel	0.00111	0.00134	0.0016	0.01141	0.00992	1.67887	0.00039	0.00036	1.6E-05	0	54555.3	64389.4	186.049	873227	0.5099673	0.607	4.327	3.763	636.6192	0.147405	0.135613	0.006031	0.062	Other Material Handling Equipment
Statewide Totals	2026	Construction and Mining - Other Material Handling Equipment	Aggregate	600	Diesel	0.00676	0.00817	0.00973	0.05639	0.0485	26.704	0.00211	0.00194	0.00025	0	867752	108951	214.052	1.7E+07	0.1566289	0.186	1.081	0.929	511.6951	0.040456	0.037219	0.004847	0.050	Other Material Handling Equipment
Statewide Totals	2026	Construction and Mining - Other Material Handling Equipment	Aggregate	75	Diesel	0.00091	0.0011	0.00131	0.0118	0.012	2.00388	0.00039	0.00036	1.9E-05	0	65116.3	44132	117.014	1139984	0.3203633	0.381	3.429	3.484	582.0504	0.113171	0.104117	0.005514	0.057	Other Material Handling Equipment
Statewide Totals	2026	Construction and Mining - Other Material Handling Equipment	Aggregate	750	Diesel	0.00096	0.00117	0.00139	0.00987	0.00893	2.90971	0.00049	0.00045	2.8E-05	0	94551.4	6842.85	19	1874349	0.206002	0.245	1.744	1.577	514.0287	0.086725	0.079787	0.004869	0.050	Other Material Handling Equipment
Statewide Totals	2026	Construction and Mining - Other Material Handling Equipment	Aggregate	9999	Diesel	0.0022	0.00267	0.00317	0.01882	0.04224	9.84708	0.00097	0.0009	9.3E-05	0	319983	16374.2	35	6343207	0.13915	0.166	0.983	2.205	514.0287	0.050873	0.046803	0.004869	0.050	Other Material Handling Equipment
Statewide Totals	2026	Construction and Mining - Excavators	Aggregate	50	Diesel	0.05347	0.0647	0.077	0.61752	0.50209	82.3107	0.01737	0.01598	0.00078	0	2674700	3512064	7473.15	4.7E+07	0.4522375	0.538	4.316	3.509	575.3161	0.12139	0.111679	0.00545	0.056	Excavators
Statewide Totals	2026	Industrial - Forklifts	Aggregate	100	Diesel	0.01837	0.02223	0.02645	0.31836	0.20114	55.0837	0.01446	0.0133	0.00052	0	1789955	1823946	4460.36	3.1E+07	0.2394262	0.285	3.429	2.167	593.3846	0.15579	0.143327	0.005621	0.058	Forklifts

Emission Factors based on VMT, Trip, and Idle/Diurnal

Summed columns in EMFAC		AQ	M	X	Q	AB,A	U,V	BK	BG	AE	AI	AM	AS,AV,	O	Z	S			BM	BI	AG	AK	AO	AR,A	N	Y	R			BL	B	AF	AJ	AN
Vehicle Category	Fuel	VMT-based (g/mile)											Trip-based (g/trip)											Idle/diurnal-based (g/vehicle/day)										
		ROG	NOx	PM10	PM2.	PM10	PM2.5	SOx	CO	CO2	CH4	N2O	ROG	NOx	PM10	PM2.	PM10	PM2.	SOx	CO	CO2	CH4	N2O	ROG	NOx	PM10	PM2.	PM1	PM2.	SOx	C	CO2	CH4	N2O
HHDT	Diesel	0.02	1.82	0.03	0.03	0.11	0.036	0.01	0.07	1578	0	0.25	0	2.94	0	0	0	0	0	0	0	0	0	5.46	64.5	0.03	0.03	0	0	0.12	0	####	0.25	1.95
LDA	Gasoline	0.01	0.03	0	0	0.02	0.005	0	0.67	285	0	0	0	0.23	0	0	0	0	0	2.76	66.66	0.06	0.03	1.38	0	0	0	0	0	0	0	0	0	0
LDA	Diesel	0.03	0.15	0.01	0.01	0.02	0.005	0	0.52	250	0	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDA	Electricity	0	0	0	0	0.01	0.004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDA	Plug-in Hybrid	0	0	0	0	0.01	0.003	0	0.23	143	0	0	0	0.11	0	0	0	0	0	1.27	62.84	0.04	0.02	0.45	0	0	0	0	0	0	0	0	0	0
LDT1	Gasoline	0.04	0.14	0	0	0.02	0.005	0	1.55	349	0.01	0.01	0	0.4	0	0	0	0	0	5.32	85.89	0.11	0.04	3.15	0	0	0	0	0	0	0	0	0	0
LDT1	Diesel	0.34	1.52	0.28	0.27	0.02	0.006	0	1.89	449	0.02	0.07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDT1	Electricity	0	0	0	0	0.01	0.004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDT1	Plug-in Hybrid	0	0	0	0	0.01	0.003	0	0.21	129	0	0	0	0.11	0	0	0	0	0	1.27	66.44	0.04	0.02	0.28	0	0	0	0	0	0	0	0	0	0
LDT2	Gasoline	0.01	0.06	0	0	0.02	0.005	0	0.8	352	0	0.01	0	0.3	0	0	0	0	0	3.2	83.22	0.07	0.04	1.43	0	0	0	0	0	0	0	0	0	0
LDT2	Diesel	0.03	0.05	0.01	0	0.02	0.005	0	0.26	326	0	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDT2	Electricity	0	0	0	0	0.01	0.004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDT2	Plug-in Hybrid	0	0	0	0	0.01	0.003	0	0.22	135	0	0	0	0.11	0	0	0	0	0	1.27	72.55	0.04	0.02	0.31	0	0	0	0	0	0	0	0	0	0
Worker Fleet	EMFAC defau	0.18	0.81	0.14	0.14	0.02	0.005	0	1.31	384	0.01	0.06	0	0.33	0	0	0	0	0	4.15	80.42	0.09	0.04	2.27	0	0	0	0	0	0	0	0	0	0

Notes:

Assume Worker Fleet = 25/50/25 percent mix of light duty autos, light duty truck class 1, and light duty truck class 2

EMFAC Emission Types Used to Estimate Onroad Emission Rates

Pollutant	VMT-based	Trip-based (g/trip)	Idle/Diurnal-based
TOG, ROG	RUNEX	STREX, HOTSOAK, RUNLOSS	IDLEX, DIURN
Gases	RUNEX	STREX	IDLEX
PM - Exhaust	RUNEX	STREX	IDLEX
PM - Dust	PMTW, PMBW		

Acronyms:

RUNEX	Running exhaust	g/mile
PMBW	PM brake wear	g/mile
PMTW	PM tire wear	g/mile
STREX	Start exhaust	g/trip
HOTSOAK	Hot Soak evaporativ	g/trip
RUNLOSS	Running Loss evapo	g/trip
IDLEX	Idle exhaust	g/vehicle/day
DIURN	Diurnal Loss evapor:	g/vehicle/day

Mobile Trip Exhaust Emissions

Phase	Vehicle	Modeled Vehicle Type	One-way Trips per day per vehicle	Total Work Days	Number of Vehicles	Total Trucks	Total One-way Trips	One-way Trip Length (mi)	Total VMT	Fuel	Emission (lbs/day) ROG	NOx	PM10E	PM2.5E	PM10D	PM2.5D	SOx	CO	CO2	CH4	N2O	Emission (MT) CO2e	Gallons Diesel	Gasoline	
Landside Demolition	Haul Truck	HHDT	2	80	1	39	78	20	1,560	Diesel	0.013	0.227	0.001	0.001	0.005	0.002	0.001	0.003	95.127	0.001	0.015	3.6	258		Landside Demolition
Waterside Demolition Part 1	Haul Truck	HHDT	2	80	1	50	100	20	2,000	Diesel	0.013	0.251	0.002	0.002	0.006	0.002	0.001	0.004	114.255	0.001	0.018	4.3	330		Waterside Demolition
Waterside Construction Part 1	Delivery Truck	HHDT	2	80	1	29	58	20	1,160	Diesel	0.013	0.205	0.001	0.001	0.004	0.001	0.001	0.002	77.738	0.001	0.012	3.0	192		Waterside Construction
Waterside Demolition Part 2	Haul Truck	HHDT	2	40	1	14	28	20	560	Diesel	0.013	0.203	0.001	0.001	0.004	0.001	0.001	0.002	75.999	0.001	0.012	1.4	93		Waterside Demolition
Waterside Demolition Part 3	Haul Truck	HHDT	2	40	1	16	32	20	640	Diesel	0.013	0.212	0.001	0.001	0.004	0.001	0.001	0.003	82.955	0.001	0.013	1.6	106		Waterside Demolition
Waterside Construction Part 2	Delivery Truck	HHDT	2	280	1	124	248	20	4,960	Diesel	0.013	0.219	0.001	0.001	0.004	0.001	0.001	0.003	88.917	0.001	0.014	11.8	820		Waterside Construction
Entire Construction	Commute - workers	Worker Fleet	3	600	16	-	28,800	11.8	339,840	Gasoline	0.309	1.048	0.179	0.171	0.022	0.007	0.005	2.075	487.404	0.021	0.076	139.0		13,556	split evenly

Notes: Truck trips are from sheet "Truck Trips"

trips per worker per day 3

Trip lengths used CalEEMod default values for San Diego County

11.8 miles/trip for residential home-work trips

20 miles/trip for hauling trip length . Applied to delivery trucks as well.

	gallons/mi Diesel	Gasoline	kWh/mi Electricity
HHDT	0.165224		
LDA	0.024634	0.03396521	386
LDT1	0.04418	0.04177287	386
LDT2	0.032109	0.04204771	386
Worker Fleet		0.03988967	

Particulate Matter Dust emission from vehicle break wear and tire wear only.

GWP used for quantifying CO2e, source: IPCC Fifth Assessment Report (Avg)

CO2	1
CH4	25
N2O	298

Use CalEEMod default for worker fleet composition, and default EMFAX fleet composition.

Fleet	EMFAC vehicle population Diesel	Gasoline	Electricity	EMFAC default mix Diesel	Gasoline	ectricity	Fleet Composition
LDA	4,624	1,154,345	79,089	0.004	0.93	0.06	25%
LDT1	47	120,690	362	0.0004	1.00	0.00	50%
LDT2	2,137	558,134	4,915	0.004	0.99	0.01	25%

The calculation is based on the following emission rates:

Based on EMFAC default data, >90% vehicles use gasoline across LDA, LDT1, and LDT2. Thus, all worker vehicles are assumed t

On-Road Emission Rates

Fleet Type	Fuel Type	VMT-Based Emission Rate (g/mi) ROG	NOx	PM10_Ex	PM2.5_Ex	PM10_D	PM2.5_D	SOx	CO	CO2	CH4	N2O	Trip-Based Emission Rate (g/trip) ROG	NOx	PM10_Ex	PM2.5_Ex	PM10_D	PM2.5_D	SOx	CO	CO2	CH4	N2O	Idle/Diurnal-Based Emission Rate (g/vehicle/day) ROG	NOx	PM10_Ex	PM2.5_Ex	PM10_D	PM2.5_D	SOx	CO	CO2	CH4	N2O
HHDT	Diesel	1.6E-2	1.8E+0	2.7E-2	2.6E-2	1.1E-1	3.6E-2	1.5E-2	7.3E-2	1.6E+3	7.3E-4	2.5E-1	0.0E+0	2.9E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	5.5E+0	6.4E+1	3.3E-2	3.1E-2	0.0E+0	0.0E+0	1.2E-1	0.0E+0	#####	2.5E-1	#####
Worker Fleet	EMFAC default mix	1.8E-1	8.1E-1	1.4E-1	1.4E-1	1.7E-2	5.2E-3	3.7E-3	1.3E+0	3.8E+2	9.2E-3	5.8E-2	0.0E+0	3.3E-1	2.5E-3	2.3E-3	0.0E+0	0.0E+0	8.0E-4	4.1E+0	8.0E+1	8.8E-2	3.6E-2	2.3E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	3.6E-3	#####	0.0E+0	#####

Note:

Emission type -specific emission rates are calculated using EMFAC 2021 (sheet EMFAC EF).

Construction Phases and Truck Trips

Construction Phase and Truck Trips Compiled

Phase #	Construction Phase	Duration	Workdays	Phase Start	Phase End	# of Trucks	On-way Truck Trips	Description of Activities
1	Landside Demolition	4 months	80	4/1/2026	7/22/2026	39	78	Demolish Building E and the hazardous materials storage shed
2	Waterside Demolition Part 1	4 months	80	8/1/2026	11/21/2026	50	100	Demolition of Piers 5, 7, and 8.
3	Waterside Construction Part 1	4 months	80	12/1/2026	3/23/2027	29	58	Construction of Pier 5
4	Waterside Demolition Part 2	2 months	40	4/1/2027	5/27/2027	14	28	Demolition of Pier 6.
5	Waterside Demolition Part 3	16 months	40	6/1/2027	7/27/2027	16	32	Demolition of Pier 4.
6	Waterside Construction Part 2		280	7/28/2027	8/23/2028	124	248	Construction of Piers 4, 6, 7, and 8, and wave attenuator

Notes: Total Workdays 600 days Construction activity 7a - 7p M-F

Waterside Demolition 160 days

Waterside Construction 360 days

Construction phase and schedule is based on Table 2-8 PD. The original provided schedule has water demolition and construction lumped as one phase. For analysis purpose, they are separated into phase 5 and 6. Phase 5 (Demolition of Pier 4) is assumed to take 40 days, the same duration for Pier 6 demolition.
Haul truck and delivery truck trips are estimated in the following tables.
During Landside Demo (Phase 1), there would be two weekly haul trips (loads, so 4 trips)

Landside Demolition Haul Truck Estimation

Structures	Structure Size to be Demolished (sf)	Volume of Demolition Debris (cy)	# of Trucks	
Building E	20,170	498	36	
Hazardous Materials Storage Shed	200	5	1	
Hazardous Materials Storage Shed	-	25	2	25 cy of soil associated with the demo of the storage shed
Total	**20,370**	**528**	**39**	

Assume 14 cy per truck load
Demolition data Provided, PD Table 2-1

Waterside Demolition Haul Truck Estimation

Phase	Volume of Material Imported	Volume of Material Exported	Unit	Total Trucks During this Phase*	
Waterside Demolition		Wood (will be recycled)	200 Tons	15	
Waterside Demolition		Concrete	900 Tons	45	
Waterside Demolition		Steel	250 Tons	20	
			Total	80	

20

Source: Port of San Diego - Driscoll's Wharf Equipment - 11-20-2024.pdf
*Debris will be removed from the Driscoll site via barge, transported to R. E. Staite’s Waterfront facility at 2145 East Belt Street for off loading / processing and trucking to permitted disposal sites. The boat

Water Construction Delivery Trucks Estimation

Pier	Area (sqft) of Pier to be removed	Demo Proportion	# Demolition Trucks Allocated	Proposed Pier Coverage (sqft)	Construction Proportion	# Construction Delivery Trucks Allocated
4	3,553	0.20	16	3,717	0.11	17
5	4,510	0.25	20	6,603	0.19	29
6	3,149	0.17	14	3,281	0.10	15
7	3,934	0.22	17	6,158	0.18	27
8	2,890	0.16	13	6,028	0.18	27
Main Walk				8,541	0.25	38
Total	18,036	1	80	34,328	1	153

Note: ;QFT per Truck 225

Demo pier SQFT are provided (PD Table 2-2 and 2-3)

Construction pier SQFT are provided (PD Table 2-4 and Table 2-5)

Truck trips are allocated using estimated Pier SQFT

Total # of truck trips during construction is estimated assuming the delivery trucks having similar load capacity as haul trucks.

Small number discrepancy due to rounding error

EMFAC 2021 (On-Road) Emission Rates Output

Region Type: Sub-Area
Region: San Diego (SD)
Calendar Year: 2026
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	Energy Consumption	SOx_TOTEX	NH3_RUNEX	Fuel Consumption	Gallons per mile	KWh per mile
San Diego (SD)	2026	HHDT	Aggregate	Aggregate	Gasoline	5.9232158	471.7979	471.8	0	118.5	0	0	2E-05	0.121	0.257	0
San Diego (SD)	2026	HHDT	Aggregate	Aggregate	Diesel	15402.403	1900421	2E+06	0	2E+05	0	0	0.451	314	0.165	0
San Diego (SD)	2026	HHDT	Aggregate	Aggregate	Electricity	177.65522	20129.29	0	20129.3	2366	37104.199	0	0	0	0	1843
San Diego (SD)	2026	LDA	Aggregate	Aggregate	Gasoline	1154344.5	46405189	5E+07	0	5E+06	0	0.1	1.872	1576	0.034	0
San Diego (SD)	2026	LDA	Aggregate	Aggregate	Diesel	4624.0904	137704.5	1E+05	0	19454	0	0	5E-04	3.392	0.025	0
San Diego (SD)	2026	LDA	Aggregate	Aggregate	Electricity	79088.749	3959769	0	3959769	4E+05	1528797.6	0	0	0	0	386.1
San Diego (SD)	2026	LDA	Aggregate	Aggregate	Plug-in H	37511.098	1771766	8E+05	934044	2E+05	282109.06	0	0.037	30.54	0.036	302
San Diego (SD)	2026	LDT1	Aggregate	Aggregate	Gasoline	120689.67	4165596	4E+06	0	5E+05	0	0	0.169	174	0.042	0
San Diego (SD)	2026	LDT1	Aggregate	Aggregate	Diesel	47.210227	661.8267	661.8	0	130.1	0	0	2E-06	0.029	0.044	0
San Diego (SD)	2026	LDT1	Aggregate	Aggregate	Electricity	362.24285	17688.21	0	17688.2	1769	6829.1089	0	0	0	0	386.1
San Diego (SD)	2026	LDT1	Aggregate	Aggregate	Plug-in H	253.16162	13025.07	5545	7479.76	1047	2259.1102	0	3E-04	0.203	0.037	302
San Diego (SD)	2026	LDT2	Aggregate	Aggregate	Gasoline	558133.64	22684895	2E+07	0	3E+06	0	0.1	0.932	953.8	0.042	0
San Diego (SD)	2026	LDT2	Aggregate	Aggregate	Diesel	2137.242	89302.38	89302	0	10104	0	0	3E-04	2.867	0.032	0
San Diego (SD)	2026	LDT2	Aggregate	Aggregate	Electricity	4914.9869	184923.9	0	184924	24925	71395.894	0	0	0	0	386.1
San Diego (SD)	2026	LDT2	Aggregate	Aggregate	Plug-in H	5389.5737	264862	1E+05	146795	22286	44336.484	0	0.005	4.334	0.037	302
San Diego (SD)	2026	MHDT	Aggregate	Aggregate	Gasoline	3363.9172	196488.8	2E+05	0	67305	0	0	0.01	40.47	0.206	0
San Diego (SD)	2026	MHDT	Aggregate	Aggregate	Diesel	18054.212	755338.8	8E+05	0	2E+05	0	0	0.176	88.44	0.117	0
San Diego (SD)	2026	MHDT	Aggregate	Aggregate	Electricity	297.61914	16818.97	0	16819	3837	18557.364	0	0	0	0	1103

Commercial Harbor Craft Emissions

Construction Phase	Equipment Type	Modeled Equipment	Fuel	Quantity	Hours of Use/Day	Workdays	HP	Equipment Total Hours	lbs/day (or gallons) VOC	NOX	CO	PM10	PM2.5	SO2	CO2	Fuel	CH4	N2O	MTCO2e/total
Waterside Demolition	Derrick Barge DB Palomar	None	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waterside Demolition	DB Palomar Main Engine	AE - Barge-Other	Diesel	1	8	55	600	440	0.33972	6.25285	1.81706	0.17107	0.16354	0	974.92756	2502	0.64387	0.01704943	24.72368585
Waterside Demolition	DB Palomar Genset	AE - Barge-Other	Diesel	1	8	55	300	440	0.18716	3.87068	0.99456	0.07687	0.07349	0	629.570037	1615.69	0.41578	0.01100985	15.96558808
Waterside Demolition	Killeen – Harbor Tug	None	No engine	1	8	2	0	16	0	0	0	0	0	0	0	0	0	0	0
Waterside Demolition	Killeen Rear Genset - Harbor Tug	ME - Tugboat-Push/Tow	Diesel	1	8	2	803	16	1.04963	16.7337	6.11391	0.3737	0.35726	0	3827.30543	349.299	2.47195	0.06545658	3.528140126
Waterside Demolition	Killeen Forward Genset - Harbor Tug	ME - Tugboat-Push/Tow	Diesel	1	8	2	803	16	1.04963	16.7337	6.11391	0.3737	0.35726	0	3827.30543	349.299	2.47195	0.06545658	3.528140126
Waterside Demolition	Survey Boat	ME - Work Boat	Diesel	N/A	0	0	230		0	0	0	0	0	0	0	0	0	0	0
Waterside Demolition	Push Boat Jeanie R	ME - Work Boat	Diesel	1	4	40	0	160	0	0	0	0	0	0	0	0	0	0	0
Waterside Demolition	Push Boat Jeanie R -Main Engine	ME - Work Boat	Diesel	1	4	40	234	160	0.33276	3.9375	0.89727	0.08675	0.08294	0	331.82112	629.818	0.22286	0.0059012	6.121554761
Waterside Demolition	Push Boat Jeanie R – Main Engine	ME - Work Boat	Diesel	1	4	40	234	160	0.33276	3.9375	0.89727	0.08675	0.08294	0	331.82112	629.818	0.22286	0.0059012	6.121554761
Waterside Construction	Barge	None	No Engine	1	8	360	0	2880	0	0	0	0	0	0	0	0	0	0	0
Waterside Construction	Tug	ME - Tugboat-Push/Tow	Diesel	1	8	360	803	2880	1.04963	16.7337	6.11391	0.3737	0.35726	0	3827.30543	62873.9	2.47195	0.06545658	635.0652226

Summary by Phase

Phase	lbs/day (or gallons/day) VOC	NOX	CO	PM10	PM2.5	SO2	CO2	Diesel	CH4	N2O	MT CO2e per day	MT CO2e total
Waterside Demolition	3.29	51.47	16.83	1.17	1.12	0.00	9,923	6,076	6.45	0.17	5	59.99
Waterside Construction	1.05	16.73	6.11	0.37	0.36	0.00	3,827	62,874	2.47	0.07	2	635.07

CHC Emission Rate Calculation

1. CARB OFFROAD OUTPUT

Model Output: OFFROAD2021 (v1.1.0.) Emissions Inventory

Region Type: Statewide

Region: California

Calendar Year: 2026

Scenario: All Adopted Rules - Exhaust

Vehicle Classification: Off-Road Web Query Equipment Types

Units: tons/day for Emissions, gallons/year for Fuel, hours/year for Activity, Horsepower-hours/year for Horsepower-hours

Region	Calendar Year	Vehicle Category	Model Year	Horsepower	Fuel	HC_tpd	ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd	NH3_tpd	Fuel Consum	Total_Activity_hp	Total_Popula	Horsepower_Hours_h
Statewide	2026	Commercial Harbor Craft - AE - Barge-Other	Aggregate	100	Diesel	4E-05	5E-05	6E-05	0.0002	0.001	0.1528	2E-05	2E-05	0	0	5203.06	3268.54	16.4	92018.49
Statewide	2026	Commercial Harbor Craft - AE - Barge-Other	Aggregate	175	Diesel	0.0002	0.0003	0.0004	0.0017	0.0058	0.9748	0.0001	0.0001	0	0	33203.7	13234.7	51.2	600698.84
Statewide	2026	Commercial Harbor Craft - AE - Barge-Other	Aggregate	300	Diesel	0.0007	0.0008	0.0009	0.0042	0.0163	2.6553	0.0003	0.0003	0	0	90444.5	24630.7	56.6	1668936.6
Statewide	2026	Commercial Harbor Craft - AE - Barge-Other	Aggregate	50	Diesel	2E-05	2E-05	3E-05	0.0001	0.0004	0.0576	1E-05	1E-05	0	0	1960.38	2951.54	10.8	30595.452
Statewide	2026	Commercial Harbor Craft - AE - Barge-Other	Aggregate	600	Diesel	0.0007	0.0009	0.0011	0.0047	0.0163	2.5347	0.0004	0.0004	0	0	86339.2	15183.6	23.8	1591326.9
Statewide	2026	Commercial Harbor Craft - AE - Barge-Other	Aggregate	75	Diesel	2E-05	3E-05	3E-05	0.0001	0.0005	0.0811	1E-05	1E-05	0	0	2762.08	2438.86	4.4	48672.893
Statewide	2026	Commercial Harbor Craft - AE - Barge-Other	Aggregate	9999	Diesel	0.0004	0.0005	0.0005	0.0016	0.0072	1.0444	1E-04	9E-05	0	0	35576.4	2615.09	6.6	681083.48
Statewide	2026	Commercial Harbor Craft - AE - Tugboat-Push/Tow	Aggregate	100	Diesel	0.0024	0.0029	0.0035	0.008	0.0442	3.6797	0.001	0.001	0	0	122188	64424.7	42	2160897.3
Statewide	2026	Commercial Harbor Craft - AE - Tugboat-Push/Tow	Aggregate	175	Diesel	0.004	0.0048	0.0057	0.0155	0.0778	7.4935	0.0012	0.0012	0	0	248438	96313.3	72.17	4393900.8
Statewide	2026	Commercial Harbor Craft - AE - Tugboat-Push/Tow	Aggregate	300	Diesel	0.0012	0.0014	0.0017	0.0046	0.0232	2.1678	0.0006	0.0005	0	0	72656.1	17666.4	13.71	1341126.4
Statewide	2026	Commercial Harbor Craft - AE - Tugboat-Push/Tow	Aggregate	50	Diesel	0.0012	0.0015	0.0017	0.0041	0.0184	1.6031	0.0006	0.0006	0	0	53311	56829.4	42.46	831819.38
Statewide	2026	Commercial Harbor Craft - AE - Tugboat-Push/Tow	Aggregate	600	Diesel	2E-05	3E-05	3E-05	9E-05	0.0005	0.0436	2E-05	2E-05	0	0	1486.78	235.469	1.542	27443.885
Statewide	2026	Commercial Harbor Craft - AE - Tugboat-Push/Tow	Aggregate	75	Diesel	0.0011	0.0014	0.0017	0.0038	0.0209	1.7393	0.0005	0.0004	0	0	57682.6	45674.4	32.75	1020120.3
Statewide	2026	Commercial Harbor Craft - AE - Work Boat	Aggregate	100	Diesel	0.0005	0.0006	0.0007	0.0017	0.0063	0.5687	0.0003	0.0003	0	0	19700.8	11649.2	16.27	338606.3
Statewide	2026	Commercial Harbor Craft - AE - Work Boat	Aggregate	175	Diesel	0.0011	0.0013	0.0015	0.0055	0.0178	1.8903	0.0005	0.0005	0	0	65478	25446.2	35.54	1172522.7
Statewide	2026	Commercial Harbor Craft - AE - Work Boat	Aggregate	300	Diesel	0.0031	0.0037	0.0045	0.0153	0.0476	4.8721	0.0015	0.0014	0	0	168767	43066.1	60.16	3111928
Statewide	2026	Commercial Harbor Craft - AE - Work Boat	Aggregate	50	Diesel	0.0005	0.0006	0.0007	0.0022	0.0063	0.6374	0.0003	0.0003	0	0	22078.2	32897.4	45.95	348043.43
Statewide	2026	Commercial Harbor Craft - AE - Work Boat	Aggregate	600	Diesel	0.0031	0.0038	0.0045	0.0138	0.0423	4.1269	0.0014	0.0013	0	0	142955	22387.8	31.27	2636570
Statewide	2026	Commercial Harbor Craft - AE - Work Boat	Aggregate	75	Diesel	0.0007	0.0008	0.001	0.0024	0.0073	0.6691	0.0003	0.0003	0	0	23176.5	21720.6	30.34	405999.96
Statewide	2026	Commercial Harbor Craft - AE - Work Boat	Aggregate	9999	Diesel	0.0018	0.0022	0.0026	0.0063	0.0162	2.6015	0.0007	0.0006	0	0	90103.2	4344.11	6.068	1754637.6
Statewide	2026	Commercial Harbor Craft - ME - Tugboat-Push/Tow	Aggregate	100	Diesel	1E-05	2E-05	2E-05	5E-05	0.0003	0.0241	1E-05	1E-05	0	0	819.126	471.447	3.083	14486.611
Statewide	2026	Commercial Harbor Craft - ME - Tugboat-Push/Tow	Aggregate	175	Diesel	0.0001	0.0001	0.0002	0.0003	0.0027	0.235	6E-05	5E-05	0	0	8002.53	2793.62	9.708	141534.88
Statewide	2026	Commercial Harbor Craft - ME - Tugboat-Push/Tow	Aggregate	300	Diesel	0.0021	0.0026	0.0031	0.0056	0.0448	3.6526	0.0009	0.0008	0	0	123496	28023	32.21	2279550.8
Statewide	2026	Commercial Harbor Craft - ME - Tugboat-Push/Tow	Aggregate	50	Diesel	5E-06	5E-06	7E-06	2E-05	6E-05	0.0055	9E-07	9E-07	0	0	181.66	235.723	1.542	2834.337
Statewide	2026	Commercial Harbor Craft - ME - Tugboat-Push/Tow	Aggregate	600	Diesel	0.0177	0.0214	0.0255	0.0431	0.342	26.022	0.0042	0.004	0	0	866112	111296	90.92	15987152
Statewide	2026	Commercial Harbor Craft - ME - Tugboat-Push/Tow	Aggregate	9999	Diesel	0.017	0.0205	0.0245	0.1197	0.3276	74.925	0.0073	0.007	0	0	2495889	114327	96.21	49094459
Statewide	2026	Commercial Harbor Craft - ME - Work Boat	Aggregate	175	Diesel	0.0025	0.0031	0.0036	0.0086	0.0407	3.4283	0.0008	0.0008	0	0	118756	48108.9	75.29	2129624.2
Statewide	2026	Commercial Harbor Craft - ME - Work Boat	Aggregate	300	Diesel	0.0086	0.0104	0.0124	0.028	0.123	10.368	0.0027	0.0026	0	0	359140	91236.5	142.8	6625171.8
Statewide	2026	Commercial Harbor Craft - ME - Work Boat	Aggregate	50	Diesel	4E-05	5E-05	6E-05	0.0002	0.0006	0.058	3E-05	2E-05	0	0	2008.29	1960.34	3.068	31334.15
Statewide	2026	Commercial Harbor Craft - ME - Work Boat	Aggregate	600	Diesel	0.0329	0.0398	0.0474	0.1101	0.5581	47.15	0.0108	0.0103	0	0	1633271	229087	352.4	30124952
Statewide	2026	Commercial Harbor Craft - ME - Work Boat	Aggregate	75	Diesel	0.0001	0.0001	0.0002	0.0004	0.0015	0.1363	7E-05	6E-05	0	0	4721.86	3920.69	6.136	80293.762
Statewide	2026	Commercial Harbor Craft - ME - Work Boat	Aggregate	9999	Diesel	0.0243	0.0294	0.035	0.1047	0.3134	40.393	0.0093	0.0088	0	0	1399216	57997.5	78.5	27019376

CHC Emission Rate Calculation

2. CALCULATION OF HOURLY EMISSIONS BY TYPE BY BIN

equation:
daily tons x 365 x 2000

equation:
annual lbs / annual hours

ROG = VOC
PM10e = DPM

	lbs per year									lbs of pollutant (or gallons of fuel) per hour								
CHC short name	VOC	NOX	CO	PM10	PM2.5	SO2	CO2	Fuel (gpy)	Hours	VOC	NOX	CO	PM10	PM2.5	SO2	CO2	Fuel	Row (QA)
AE - Barge-Other	36	732	164	17	16	0	111,508	5,203	3269	0.01	0.2	0.1	0.005	0.0	0.0	34.1	1.6	1
AE - Barge-Other	216	4,206	1,212	106	101	0	711,598	33,204	13235	0.02	0.3	0.1	0.008	0.0	0.0	53.8	2.5	2
AE - Barge-Other	576	11,917	3,062	237	226	0	1,938,341	90,444	24631	0.02	0.5	0.1	0.010	0.0	0.0	78.7	3.7	3
AE - Barge-Other	16	277	74	9	8	0	42,013	1,960	2952	0.01	0.1	0.0	0.003	0.0	0.0	14.2	0.7	4
AE - Barge-Other	645	11,868	3,449	325	310	0	1,850,360	86,339	15184	0.04	0.8	0.2	0.021	0.0	0.0	121.9	5.7	5
AE - Barge-Other	20	397	88	10	9	0	59,195	2,762	2439	0.01	0.16	0.04	0.004	0.00	0.00	24.27	1.13	6
AE - Barge-Other	331	5,264	1,175	71	68	0	762,448	35,576	2615	0.13	2.01	0.45	0.027	0.03	0.00	291.56	13.60	7
AE - Tugboat-Push/Tow	2,146	32,254	5,811	745	712	0	2,686,153	122,188	64425	0.03	0.50	0.09	0.012	0.01	0.00	41.69	1.90	8
AE - Tugboat-Push/Tow	3,504	56,772	11,306	908	868	0	5,470,220	248,438	96313	0.04	0.59	0.12	0.009	0.01	0.00	56.80	2.58	9
AE - Tugboat-Push/Tow	1,028	16,961	3,368	418	399	0	1,582,497	72,656	17666	0.06	0.96	0.19	0.024	0.02	0.00	89.58	4.11	10
AE - Tugboat-Push/Tow	1,065	13,466	3,016	420	402	0	1,170,252	53,311	56829	0.02	0.24	0.05	0.007	0.01	0.00	20.59	0.94	11
AE - Tugboat-Push/Tow	19	329	65	12	11	0	31,864	1,487	235	0.08	1.40	0.28	0.050	0.05	0.00	135.32	6.31	12
AE - Tugboat-Push/Tow	1,015	15,244	2,747	334	320	0	1,269,701	57,683	45674	0.02	0.33	0.06	0.007	0.01	0.00	27.80	1.26	13
AE - Work Boat	409	4,570	1,233	192	184	0	415,176	19,701	11649	0.04	0.39	0.11	0.017	0.02	0.00	35.64	1.69	14
AE - Work Boat	944	12,970	3,982	382	365	0	1,379,890	65,478	25446	0.04	0.51	0.16	0.015	0.01	0.00	54.23	2.57	15
AE - Work Boat	2,736	34,748	11,170	1,089	1,041	0	3,556,604	168,767	43066	0.06	0.81	0.26	0.025	0.02	0.00	82.58	3.92	16
AE - Work Boat	403	4,633	1,574	199	191	0	465,278	22,078	32897	0.01	0.14	0.05	0.006	0.01	0.00	14.14	0.67	17
AE - Work Boat	2,756	30,880	10,050	1,014	969	0	3,012,643	142,955	22388	0.12	1.38	0.45	0.045	0.04	0.00	134.57	6.39	18
AE - Work Boat	590	5,359	1,758	237	226	0	488,424	23,177	21721	0.03	0.25	0.08	0.011	0.01	0.00	22.49	1.07	19
AE - Work Boat	1,587	11,793	4,584	478	457	0	1,899,118	90,103	4344	0.37	2.71	1.06	0.110	0.11	0.00	437.17	20.74	20
ME - Tugboat-Push/Tow	13	205	37	10	9	0	17,596	819	471	0.03	0.44	0.08	0.021	0.02	0.00	37.32	1.74	21
ME - Tugboat-Push/Tow	108	1,942	239	42	40	0	171,549	8,003	2794	0.04	0.70	0.09	0.015	0.01	0.00	61.41	2.86	22
ME - Tugboat-Push/Tow	1,889	32,715	4,053	622	595	0	2,666,404	123,496	28023	0.07	1.17	0.14	0.022	0.02	0.00	95.15	4.41	23
ME - Tugboat-Push/Tow	4	47	11	1	1	0	4,040	182	236	0.02	0.20	0.05	0.003	0.00	0.00	17.14	0.77	24
ME - Tugboat-Push/Tow	15,625	249,639	31,459	3,084	2,948	0	18,996,215	866,112	111296	0.14	2.24	0.28	0.028	0.03	0.00	170.68	7.78	25
ME - Tugboat-Push/Tow	15,000	239,138	87,373	5,340	5,105	0	54,695,361	2,495,889	114327	0.13	2.09	0.76	0.047	0.04	0.00	478.41	21.83	26
ME - Work Boat	2,227	29,697	6,242	610	583	0	2,502,669	118,756	48109	0.05	0.62	0.13	0.013	0.01	0.00	52.02	2.47	27
ME - Work Boat	7,590	89,811	20,466	1,979	1,892	0	7,568,546	359,140	91236	0.08	0.98	0.22	0.022	0.02	0.00	82.96	3.94	28
ME - Work Boat	36	418	135	18	18	0	42,323	2,008	1960	0.02	0.21	0.07	0.009	0.01	0.00	21.59	1.02	29
ME - Work Boat	29,064	407,442	80,366	7,887	7,540	0	34,419,706	1,633,271	229087	0.13	1.78	0.35	0.034	0.03	0.00	150.25	7.13	30
ME - Work Boat	94	1,098	280	48	46	0	99,509	4,722	3921	0.02	0.28	0.07	0.012	0.01	0.00	25.38	1.20	31
ME - Work Boat	21,495	228,752	76,451	6,753	6,455	0	29,487,250	1,399,216	57998	0.37	3.94	1.32	0.116	0.11	0.00	508.42	24.13	32

CHC Emission Rate Calculation

3. ASSIGNING HOURLY RATES TO CALCULATE DAILY EMISSIONS

g to lb	453.59
lb to ton	0.0005

CHC HP Bins	50	75	100	175	300	600	9999

Emission Rate Calculation

Row (QA)	Equipment	Modeled CHC Equipment	# of Engines Assumed	HP each	HP Bin	lbs per activity hour (or gallons per activity hour)								lbs per hour (calculated from fuel)	
						VOC	NOX	CO	PM10	PM2.5	SO2	CO2	Fuel	CH4	N2O
	Derrick Barge DB Palomar	None	1	0											
5	DB Palomar Main Engine	AE - Barge-Other	1	600	600	0.042	0.782	0.227	0.021	0.020	0.000	121.866	5.686	0.080	0.002
3	DB Palomar Genset	AE - Barge-Other		300	300	0.023	0.484	0.124	0.010	0.009	0.000	78.696	3.672	0.052	0.001
	Killeen – Harbor Tug	None	1	0	50										
26	Killeen Rear Genset - Harbor Tug	ME - Tugboat-Push/Tow	1	803	9999	0.131	2.092	0.764	0.047	0.045	0.000	478.413	21.831	0.309	0.008
26	Killeen Forward Genset - Harbor Tug	ME - Tugboat-Push/Tow	1	803	9999	0.131	2.092	0.764	0.047	0.045	0.000	478.413	21.831	0.309	0.008
28	Survey Boat	ME - Work Boat	1	230	300	0.083	0.984	0.224	0.022	0.021	0.000	82.955	3.936	0.056	0.001
	Push Boat Jeanie R	ME - Work Boat	1	0											
28	Push Boat Jeanie R -Main Engine	ME - Work Boat	1	234	300	0.083	0.984	0.224	0.022	0.021	0.000	82.955	3.936	0.056	0.001
28	Push Boat Jeanie R – Main Engine	ME - Work Boat	1	234	300	0.083	0.984	0.224	0.022	0.021	0.000	82.955	3.936	0.056	0.001
	Barge	None	1	0	50										
26	Tug	ME - Tugboat-Push/Tow	1	803	9999	0.131	2.092	0.764	0.047	0.045	0.000	478.413	21.831	0.309	0.008

GHG Emission Factor from diesel usage

CH4	6.42	g/gallon
N2O	0.17	g/gallon

CR2022 per gallon, ships and boats, diesel(Table 2.7)

Electrical Upgrade

Electrical upgrade occurs at Phase Waterside Construction Part 2. It includes trenching and conduit installation.

On-Road Emissions

Vehicle	Modeled Vehicle Type	Total Work Days	Number of Vehicles	Total One-way Trips	One-way Trip Length (mi)	Total VMT	Fuel	Emission (lbs/day)											Emission (MT)	Gallons	
								ROG	NOx	PM10E	PM2.5E	PM10D	PM2.5D	SOx	CO	CO2	CH4	N2O	CO2e	Diesel	Gasoline
Haul Truck	HHDT	10	8	16	20	320	Diesel	0.097347	1.276207	0.002492	0.002384	0.008059	0.002572	0.003123	0.005135	329.7595	0.004522	0.051954	1.567	53	
Commute - workers	Worker Fleet	10	4	12	11.80	142	Gasoline	0.025783	0.026195	0.004478	0.004284	0.000538	0.000163	0.000118	0.051898	12.18511	0.000521	0.001908	0.058		6
Note:	Electrical upgrade takes 2-3 weeks, and the following on-road vehicle						sum	0.12313	1.302402	0.00697	0.006668	0.008597	0.002735	0.00324	0.057033	341.9447	0.005042	0.053862	1.624	53	6

Haul trucks	3	for concrete asphalt demolition
Deliver trucks	5	= 3 trucks for material + 2 trucks for gears
Worker vehicles	4	
Worker one-way	3	

Off-Road Emissions

Equipment	Modeled Equ	#/day	Hours/day	Engine Tier	Workdays	HP	LD	HP Bin	Emission Factor (grams/hp-hr)								Emission (lbs/day)								Gallons/hp-hr	Diesel (gallons)	CO2e (MT)
									ROG	TOG	CO	NOx	CO2	PM10	PM2.5	SOx	ROG	TOG	CO	NOx	CO2	PM10	PM2.5	SOx			
Asphalt/Concrete Cutter	Concrete/Industrial Saws	1	8	na	10	33	0.73	50	0.301177	0.364424	3.150046	2.57422	427.4246	0.062114	0.057145	0.00542	0.127963	0.154836	1.338	1.094	181.6	0.026	0.024	0.002	0.0420	3	1
Forklift	Forklifts	1	8	na	10	82	0.2	100	0.239426	0.284937	3.429491	2.166739	593.3846	0.15579	0.143327	0.005621	0.069254	0.082417	0.992	0.627	171.64	0.045	0.041	0.002	0.0582	5	1
Mini Excavator	Excavators	1	8	na	10	36	0.38	50	0.452238	0.5382	4.316172	3.509419	575.3161	0.12139	0.111679	0.00545	0.109114	0.129854	1.041	0.847	138.81	0.029	0.027	0.001	0.0565	5	1
																sum	0.30633	0.36711	3.37	2.567	492.05	0.101	0.093	0.005		13	2

On-Road Fugitive Dust Emissions

Vehicle Type	Total VMT (mi)	Workdays	Paved Road VMT (mi)	Total Emissions (lbs)		Emissions	
				PM10	PM2.5	PM10	PM2.5
Delivery Truck	320	10	320	0.202	0.051	0.020	0.005
Commute - workers	142	10	142	0.089	0.022	0.009	0.002
					sum	0.029	0.007

Assume default of 100% paved roads for worker, construction hauling, vendor trips in San Diego County (CalEEMod default Appendix G21)

Default Horsepower and Load Factor for Construction Equipment

Sources: CalEEMod 2022 Appendix G Table 12

Equipment	Fuel	Default Horsepower	Load Factor
Bore/Drill Rigs	Diesel	83	0.50
Concrete/Industrial Saws	Diesel	33	0.73
Cranes	Diesel	367	0.29
Excavators	Diesel	36	0.38
Forklifts	Diesel	82	0.20
Other Material Handling Equipment	Diesel	93	0.40
Pumps	Diesel	11	0.74
Rubber Tired Dozers	Diesel	367	0.40
Tractors/Loaders/Backhoes	Diesel	84	0.37

Constants and Conversions

Variable	Value
grams_per_lb	453.59
grams_per_MT	1000000
grams_per_ton	907185
lbs_per_MT	2204.62
lbs_per_ton	2000
cm3_per_cy	764555

Calculation Sheets

Remediation

Site Remediation Emission Summary

Remediation Activities

Table X. Maximum Daily Emission (lbs/day)

Souce	Daily Emissions (lbs/day)					
	ROG	NOx	CO	SOx	PM10	PM2.5
Off-Road Equipment	0.3	2.2	2.5	0.0	0.1	0.1
CHC	1.0	15.4	4.9	0.0	0.4	0.3
On-Road Vehicle	0.2	3.6	1.4	0.0	0.9	0.3
Maximum Daily	1	21	9	0	1	1
Significance Threshold	**75**	**250**	**550**	**250**	**100**	**55**
Exceed Threshold?	**No**	**No**	**No**	**No**	**No**	**No**

On-Road Vehicle Emission Details

Exhaust Emission from Mobile

Trip type	Daily Emissions (lbs/day)							
	ROG	NOx	CO	SOx	PM10E	PM2.5E	PM10D	PM2.5D
Haul Truck	0.0227	1.4808	0.0496	0.0104	0.0186	0.0178	0.0778	0.0248
Delivery Truck	0.0222	1.4159	0.0472	0.0099	0.0177	0.0169	0.0740	0.0236
Commute - workers	0.1682	0.6549	1.2967	0.0029	0.1119	0.1071	0.0135	0.0041
Total	0.2131	3.5516	1.3935	0.0233	0.1482	0.1418	0.1653	0.0525

On-Road Fugitive

Trip type	Emissions (lbs/day)	
	PM10D	PM2.5D
Haul Truck	0.1951	0.0488
Delivery Truck	0.1857	0.0464
Commute - workers	0.2236	0.0559
Total	0.6	0.2

Remediation GHG Emission Summary

Table X. Construction GHG Emission Summary

Construction Activities	CO2e (MT)		
GHG by Phase		**project**	**total**
Off-Road Land Equipment	9	29	38
Off-Road Water Equipment	27	1,221	1,248
Truck and Worker Commute	93	305	399
Remediation Total	129	1,556	1,685
GHG by Year			
Total	129		

Overlap with Project Construction	project	site remediation	total with overlap
2026	212	129	341
2027	704	129	833
2028	640	129	769
Project Total	1,556		

Energy Consumption, Site Remediation

Table X. Project Energy Consumption for Site Remediation

Source	Diesel (gallons)	Gasoline (gallons)
Off-Road Land Equipment	883	-
Off-Road Water Equipment	2,680	-
Trucks and Worker Commute	7,970	1,130
Project Total	**11,533**	**1,130**

Fugitive Dust Emissions

On-Road Dust Emissions

Phase	Vehicle Type	Total VMT (mi)	Workdays	Paved Road VMT (mi)	Total Emissions (lbs) PM10	Total Emissions (lbs) PM2.5	Emissions (lbs/day) PM10	Emissions (lbs/day) PM2.5
Waterside Demolition Part 1	Haul Truck	24,720	80	24,720	15.611	3.903	0.195	0.049
Waterside Demolition Part 1	Delivery Truck	23,520	80	23,520	14.854	3.713	0.186	0.046
Waterside Demolition Part 1	Commute - workers	28,320	80	28,320	17.885	4.471	0.224	0.056

Assume default of 100% paved roads for worker, construction hauling, vendor trips in San Diego County (CalEEMod default Appendix G21)

Emission Factors

PM10 EF (lbs/VMT)

Paved Roads	Paved Roads, Corrected
6.6E-4	6.3E-4

Emission factor for travel on paved roads is estimated using Eq 3 and 3a on worksheet "Fugitive Dust EF".
For calculating EF from paved road, the average weight of all vehicles traveling the road is assumed to be 2.4 tons

PM2.5 to PM10 Mass Emission Ratio used in Calculation

Fugitive Dust Source	PM2.5/PM10	Reference
Paved road	0.25	EPA. AP-42. Analysis of the Fine Fraction of Particulate Matter in Fugitive Dust, Final
Unpaved road	0.15	EPA. AP-42. Analysis of the Fine Fraction of Particulate Matter in Fugitive Dust, Final

Fugitive Dust Emission Factors

Travel on Paved Roads

E(lbs/VMT)=(k)(sL)^.91 (W)^1.02

Where:	PM10	Unit	Source	
k= Particle Size Multiplier:	0.0022	lb/VMT	AP-42 Chapter 13.2.1, Table 13.2.1-1, PM10 emissions	
sL= road surface silt loading	0.1	g/m^2	Caleemod default	
W= average weight of the vehicles traveling the roa	2.4	tons	Statewide average vehicle weight in CA	
PM10 Emission factor	0.00066	lbs/VMT	Public roads	

Correction for Natural Precipitation[5]

E(ext)=E[(1-P/4N)]

Where:		Unit	Source	
Eext = annual or other long-term average emission factor		dimensionless		
P=#days/yr with >=0.01 inch precipitation during	43	days	Western Regional Climate Center	SAN DIEGO LINDBERGH FLD, CALIFORNIA
N=# days in averaging period	365	days		
Corrected EF PM10	**0.00064**	lbs/VMT	Public roads	

Sources

EPA. AP 42, Fifth Edition, Volume I, Chapter 13: Miscellaneous Sources, 13.2.1 Paved Road, Eqn. 1

EPA. AP 42, Fifth Edition, Volume I, Chapter 13: Miscellaneous Sources, 13.2.1 Paved Road, Eqn. 2

Mobile Trip Exhaust Emissions

Phase	Vehicle	Modeled Vehicle Type	One-way Trips per day	Total Work Days	Number of Vehicles	Total One-way Trips	One-way Trip Length (mi)	Total VMT	Fuel	Emission (lbs/day) ROG	NOx	PM10E	PM2.5 E	PM10D	PM2.5 D	SOx	CO	CO2	CH4	N2O	Emission (MT) CO2e	Gallons Diesel	Gasoline	
Waterside Demolition Part 1	Haul Truck	HHDT	15.45	80	1	1,236	20	24,720	Diesel	2.3E-2	1.4808	0.0186	0.0178	0.0778	0.0248	0.0104	0.0496	1102	0.0011	0.1736	41.9	4,084		Waterside Demolition
Waterside Demolition Part 1	Delivery Truck	HHDT	14.7	80	1	1,176	20	23,520	Diesel	0.0222	1.4159	0.0177	0.0169	0.074	0.0236	0.0099	0.0472	1049.8	0.001	0.1654	39.9	3,886		Waterside Demolition
Waterside Demolition Part 1	Commute - workers	Worker Fleet	6	80	5	2,400	12	28,320	Misc.	1.7E-1	6.5E-1	1.1E-1	1.1E-1	1.3E-2	4.1E-3	2.9E-3	1.3E+0	3.0E+2	1.3E-2	4.8E-2	11.6		1,130	Waterside Demoliton
Notes:										0.2	3.6	0.1	0.1	0.2	0.1	0.0	1.4	2456.4	0.0	0.4	93.3	7970.4	1129.7	

Truck trips are from sheet "Truck Trips"
Assume remediation requires 5 additional workers.
trips per worker per day 3
Trip lengths used CalEEMod default values for San Diego County
20 miles/trip for hauling to Otay Landfill
20 miles/trip for vendor trip length
11.8 miles/trip for residential home-work trips
Particulate Matter Dust emission from vehicle break wear and tire wear only.
GWP used for quantifying CO2e, source: IPCC Fifth Assessment Report (Avg)

CO2	1
CH4	25
N2O	298

	gallons/mi Diesel	Gasoline	kWh/mi Electricity
HHDT	0.16522		
LDA	0.02463	0.03397	386
LDT1	0.04418	0.04177	386
LDT2	0.03211	0.04205	386
Worker Fleet		0.03989	

Use CalEEMod default for worker fleet composition, and default EMFAX fleet composition.

Fleet	EMFAC vehicle population Diesel	Gasoline	Electricity	EMFAC default mix Diesel	Gasoline	Electricity	Fleet Composit
LDA	4,624	########	79,089	0.00	0.93	0.06	25%
LDT1	47	120,690	362	0.00	1.00	0.00	50%
LDT2	2,137	558,134	4,915	0.00	0.99	0.01	25%

Based on EMFAC default data, >90% vehicles use gasoline across LDA, LDT1, and LDT2. Thus, all worker vehicles are assumed to use gasoline.

The calculation is based on the following emission rates:

On-Road Emission Rates

Fleet Type	Fuel Type	VMT-Based Emission Rate (g/mi) ROG	NOx	PM10_Ex	PM2.5_Ex	PM10_D	PM2.5_D	SOx	CO	CO2	CH4	N2O
HHDT	Diesel	1.6E-2	1.8E+0	2.7E-2	2.6E-2	1.1E-1	3.6E-2	1.5E-2	7.3E-2	1.6E+3	7.3E-4	2.5E-1
LDA	Gasoline	8.7E-3	3.4E-2	1.6E-3	1.4E-3	1.5E-2	4.5E-3	2.8E-3	6.7E-1	2.8E+2	2.4E-3	4.2E-3
Worker Fleet	EMFAC default mix	1.8E-1	8.1E-1	1.4E-1	1.4E-1	1.7E-2	5.2E-3	3.7E-3	1.3E+0	3.8E+2	9.2E-3	5.8E-2

Fleet Type	Trip-Based Emission Rate (g/trip) ROG	NOx	PM10_Ex	PM2.5_Ex	PM10_D	PM2.5_D	SOx	CO	CO2	CH4	N2O
HHDT	0.0E+0	2.9E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0
LDA	0.0E+0	2.3E-1	2.0E-3	1.9E-3	0.0E+0	0.0E+0	6.6E-4	2.8E+0	6.7E+1	6.2E-2	3.1E-2
Worker Fleet	0.0E+0	3.3E-1	2.5E-3	2.3E-3	0.0E+0	0.0E+0	8.0E-4	4.1E+0	8.0E+1	8.8E-2	3.6E-2

Fleet Type	Idle/Diurnal-Based Emission Rate (g/vehicle/day) ROG	NOx	PM10_Ex	PM2.5_Ex	PM10_D	PM2.5_D	SOx	CO	CO2	CH4	N2O
HHDT	5.5E+0	#####	3.3E-2	3.1E-2	0.0E+0	0.0E+0	1.2E-1	0.0E+0	#####	2.5E-1	#####
LDA	1.4E+0	#####	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	3.1E-3	#####	0.0E+0	#####
Worker Fleet	2.3E+0	#####	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	3.6E-3	#####	0.0E+0	#####

Note:
Emission type -specific emission rates are calculated using EMFAC 2021 (sheet EMFAC EF).

Emission Factors based on VMT, Trip, and Idle/Diurnal

Summed columns in EMFAC AQ M X Q AB,A U,V BK BG AE AI AM AS,AV, O Z S BM BI AG AK AO AR,A N Y R BL B AF AJ AN

Vehicle Category	Fuel	VMT-based (g/mile)										
		ROG	NOx	PM10	PM2.	PM10	PM2.5	SOx	CO	CO2	CH4	N2O
HHDT	Diesel	0.02	1.82	0.03	0.03	0.11	0.036	0.01	0.07	1578	0	0.25
LDA	Gasoline	0.01	0.03	0	0	0.02	0.005	0	0.67	285	0	0
LDA	Diesel	0.03	0.15	0.01	0.01	0.02	0.005	0	0.52	250	0	0.04
LDA	Electricity	0	0	0	0	0.01	0.004	0	0	0	0	0
LDA	Plug-in Hybrid	0	0	0	0	0.01	0.003	0	0.23	143	0	0
LDT1	Gasoline	0.04	0.14	0	0	0.02	0.005	0	1.55	349	0.01	0.01
LDT1	Diesel	0.34	1.52	0.28	0.27	0.02	0.006	0	1.89	449	0.02	0.07
LDT1	Electricity	0	0	0	0	0.01	0.004	0	0	0	0	0
LDT1	Plug-in Hybrid	0	0	0	0	0.01	0.003	0	0.21	129	0	0
LDT2	Gasoline	0.01	0.06	0	0	0.02	0.005	0	0.8	352	0	0.01
LDT2	Diesel	0.03	0.05	0.01	0	0.02	0.005	0	0.26	326	0	0.05
LDT2	Electricity	0	0	0	0	0.01	0.004	0	0	0	0	0
LDT2	Plug-in Hybrid	0	0	0	0	0.01	0.003	0	0.22	135	0	0
Worker Fleet	EMFAC defau	0.18	0.81	0.14	0.14	0.02	0.005	0	1.31	384	0.01	0.06

Vehicle Category	Fuel	Trip-based (g/trip)										
		ROG	NOx	PM10	PM2.	PM10	PM2.	SOx	CO	CO2	CH4	N2O
HHDT	Diesel	0	2.94	0	0	0	0	0	0	0	0	0
LDA	Gasoline	0	0.23	0	0	0	0	0	2.76	66.66	0.06	0.03
LDA	Diesel	0	0	0	0	0	0	0	0	0	0	0
LDA	Electricity	0	0	0	0	0	0	0	0	0	0	0
LDA	Plug-in Hybrid	0	0.11	0	0	0	0	0	1.27	62.84	0.04	0.02
LDT1	Gasoline	0	0.4	0	0	0	0	0	5.32	85.89	0.11	0.04
LDT1	Diesel	0	0	0	0	0	0	0	0	0	0	0
LDT1	Electricity	0	0	0	0	0	0	0	0	0	0	0
LDT1	Plug-in Hybrid	0	0.11	0	0	0	0	0	1.27	66.44	0.04	0.02
LDT2	Gasoline	0	0.3	0	0	0	0	0	3.2	83.22	0.07	0.04
LDT2	Diesel	0	0	0	0	0	0	0	0	0	0	0
LDT2	Electricity	0	0	0	0	0	0	0	0	0	0	0
LDT2	Plug-in Hybrid	0	0.11	0	0	0	0	0	1.27	72.55	0.04	0.02
Worker Fleet	EMFAC defau	0	0.33	0	0	0	0	0	4.15	80.42	0.09	0.04

Vehicle Category	Fuel	Idle/diurnal-based (g/vehicle/day)										
		ROG	NOx	PM10	PM2.	PM1	PM2.	SOx	C	CO2	CH4	N2O
HHDT	Diesel	5.46	64.5	0.03	0.03	0	0	0.12	0	####	0.25	1.95
LDA	Gasoline	1.38	0	0	0	0	0	0	0	0	0	0
LDA	Diesel	0	0	0	0	0	0	0	0	0	0	0
LDA	Electricity	0	0	0	0	0	0	0	0	0	0	0
LDA	Plug-in Hybrid	0.45	0	0	0	0	0	0	0	0	0	0
LDT1	Gasoline	3.15	0	0	0	0	0	0	0	0	0	0
LDT1	Diesel	0	0	0	0	0	0	0	0	0	0	0
LDT1	Electricity	0	0	0	0	0	0	0	0	0	0	0
LDT1	Plug-in Hybrid	0.28	0	0	0	0	0	0	0	0	0	0
LDT2	Gasoline	1.43	0	0	0	0	0	0	0	0	0	0
LDT2	Diesel	0	0	0	0	0	0	0	0	0	0	0
LDT2	Electricity	0	0	0	0	0	0	0	0	0	0	0
LDT2	Plug-in Hybrid	0.31	0	0	0	0	0	0	0	0	0	0
Worker Fleet	EMFAC defau	2.27	0	0	0	0	0	0	0	0	0	0

Notes:

Assume Worker Fleet = 25/50/25 percent mix of light duty autos, light duty truck class 1, and light duty truck class 2

EMFAC Emission Types Used to Estimate Onroad Emission Rates

Pollutant	VMT-based	Trip-based (g/trip)	Idle/Diurnal-based
TOG, ROG	RUNEX	STREX, HOTSOAK, RUNLOSS	IDLEX, DIURN
Gases	RUNEX	STREX	IDLEX
PM - Exhaust	RUNEX	STREX	IDLEX
PM - Dust	PMTW, PMBW		

Acronyms:

RUNEX	Running exhaust	g/mile
PMBW	PM brake wear	g/mile
PMTW	PM tire wear	g/mile
STREX	Start exhaust	g/trip
HOTSOAK	Hot Soak evaporativ	g/trip
RUNLOSS	Running Loss evapo	g/trip
IDLEX	Idle exhaust	g/vehicle/day
DIURN	Diurnal Loss evapor	g/vehicle/day

EMFAC 2021 (On-Road) Emission Rates Output

Region Type: Sub-Area
Region: San Diego (SD)
Calendar Year: 2026
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	Energy Consumption	SOx_TOTEX	NH3_RUNEX	Fuel Consumption	Gallons per mile	KWh per mile
San Diego (SD)	2026	HHDT	Aggregate	Aggregate	Gasoline	5.9232158	471.7979	471.8	0	118.5	0	0	2E-05	0.121	0.257	0
San Diego (SD)	2026	HHDT	Aggregate	Aggregate	Diesel	15402.403	1900421	2E+06	0	2E+05	0	0	0.451	314	0.165	0
San Diego (SD)	2026	HHDT	Aggregate	Aggregate	Electricit	177.65522	20129.29	0	20129.3	2366	37104.199	0	0	0	0	1843
San Diego (SD)	2026	LDA	Aggregate	Aggregate	Gasoline	1154344.5	46405189	5E+07	0	5E+06	0	0.1	1.872	1576	0.034	0
San Diego (SD)	2026	LDA	Aggregate	Aggregate	Diesel	4624.0904	137704.5	1E+05	0	19454	0	0	5E-04	3.392	0.025	0
San Diego (SD)	2026	LDA	Aggregate	Aggregate	Electricit	79088.749	3959769	0	3959769	4E+05	1528797.6	0	0	0	0	386.1
San Diego (SD)	2026	LDA	Aggregate	Aggregate	Plug-in H	37511.098	1771766	8E+05	934044	2E+05	282109.06	0	0.037	30.54	0.036	302
San Diego (SD)	2026	LDT1	Aggregate	Aggregate	Gasoline	120689.67	4165596	4E+06	0	5E+05	0	0	0.169	174	0.042	0
San Diego (SD)	2026	LDT1	Aggregate	Aggregate	Diesel	47.210227	661.8267	661.8	0	130.1	0	0	2E-06	0.029	0.044	0
San Diego (SD)	2026	LDT1	Aggregate	Aggregate	Electricit	362.24285	17688.21	0	17688.2	1769	6829.1089	0	0	0	0	386.1
San Diego (SD)	2026	LDT1	Aggregate	Aggregate	Plug-in H	253.16162	13025.07	5545	7479.76	1047	2259.1102	0	3E-04	0.203	0.037	302
San Diego (SD)	2026	LDT2	Aggregate	Aggregate	Gasoline	558133.64	22684895	2E+07	0	3E+06	0	0.1	0.932	953.8	0.042	0
San Diego (SD)	2026	LDT2	Aggregate	Aggregate	Diesel	2137.242	89302.38	89302	0	10104	0	0	3E-04	2.867	0.032	0
San Diego (SD)	2026	LDT2	Aggregate	Aggregate	Electricit	4914.9869	184923.9	0	184924	24925	71395.894	0	0	0	0	386.1
San Diego (SD)	2026	LDT2	Aggregate	Aggregate	Plug-in H	5389.5737	264862	1E+05	146795	22286	44336.484	0	0.005	4.334	0.037	302
San Diego (SD)	2026	MHDT	Aggregate	Aggregate	Gasoline	3363.9172	196488.8	2E+05	0	67305	0	0	0.01	40.47	0.206	0
San Diego (SD)	2026	MHDT	Aggregate	Aggregate	Diesel	18054.212	755338.8	8E+05	0	2E+05	0	0	0.176	88.44	0.117	0
San Diego (SD)	2026	MHDT	Aggregate	Aggregate	Electricit	297.61914	16818.97	0	16819	3837	18557.364	0	0	0	0	1103

Site Remediation Truck Trips

Phase #	Construction Phase	Duration	Workdays	Phase Start	Phase End	On-way Truck Trips	Description of Activities
2	Waterside Demolition Part 1	4 months	80	8/1/2026	11/21/2026	1,236	Haul dredged material to Otay Landfill
2	Waterside Demolition Part 1	4 months	80	8/1/2026	11/21/2026	1,176	Deliver replacement sand

<u>Site Remediation Trucks</u>

CY dredged	8,235.45	
tons per CY, wet	1.5	
total weight	12353.175	
tons per truck	20	
dredge =	618	if assume 20 tons/truck
sand =	588	if assume 14 CY/truck

Component	New Proposed Improvements	Existing Improvements to be Demolished
Total SQF of Area	111,179	107,082
Cubic Yards of Dredge Material (2ft Dredge)	8,235.45	7,932.02
Cubic Yards of Sand Placement (2ft Placement)	8,235.45	7,932.02

Land Equipment Emissions

Off-Road Land Equipment Emission

										Emission Factor (grams/hp-hr)								Emission (lbs/day)										
Phase	**Equipment**	**d Equipment Name**	**#/day**	**Hours per day**	**Engine Tier**	**Workdays**	**HP**	**LD**	**HP Bin**	**ROG**	**TOG**	**CO**	**NOx**	**CO2**	**PM10**	**PM2.5**	**SOx**	**ROG**	**TOG**	**CO**	**NOx**	**CO2**	**PM10**	**PM2.5**	**SOx**	**Gallons /hp-hr**	**Diesel (gallons)**	**CO2e (MT)**
Waterside Demolition Part 1	Cranes	Cranes	1	8	na	20	367	0.3	600	0.14	0.17	1.33	1.17	528	0.05	0.05	0.01	0.27	0.32	2.5	2.2	991	0.09	0.09	0.01	0.0518	883	9

Notes: Emission factors were derived from either OFFROAD Emission Inventory or from CalEEMod default diesel emission factor (sheet OFFROAD EF). Load factors were from CalEEMod default for diesel equipment (Sheet Default H

OFFROAD Emission Inventory

Model Output: OFFROAD2021 (v1.1.0) Emissions Inventory
Region Type: Statewide
Region: California
Calendar Year: 2026
Scenario: All Adopted Rules - Exhaust
Vehicle Classification: OFFROAD2021 Equipment Types
Units: tons/day for Emissions, gallons/year for Fuel, hours/year for Activity, Horsepower-hours/year for Horsepower-hours

Region	Calendar Year	Vehicle Category	Model Year	Horsepower Bin	Fuel	HC_tpd	ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd	NH3_tpd	Fuel Consumption	Total_Activity_hpy	Total_Population	Horsepower_Hours_hhpy	Emission Factor (g/hp-hr) ROG	TOG	CO	NOx	CO2	PM10	PM2.5	SOx	Gallons per Horsepower-hour	Offroad Equipment Short Name
Statewide Totals	2026	Construction and Mining - Bore/Drill Rigs	Aggregate	100	Diesel	0.00186	0.00225	0.00268	0.02389	0.01889	3.95282	0.00142	0.0013	3.7E-05	0	128448	51747.5	101.015	2272054	0.3282735	0.391	3.482	2.753	576.0726	0.206288	0.189785	0.005457	0.057	Bore/Drill Rigs
Statewide Totals	2026	Construction and Mining - Bore/Drill Rigs	Aggregate	175	Diesel	0.00998	0.01208	0.01437	0.16396	0.08729	28.0088	0.00408	0.00375	0.00027	0	910152	260001	400.299	1.8E+07	0.2197591	0.262	2.984	1.589	509.731	0.074175	0.068241	0.004829	0.050	Bore/Drill Rigs
Statewide Totals	2026	Construction and Mining - Bore/Drill Rigs	Aggregate	300	Diesel	0.01204	0.01457	0.01733	0.07716	0.11474	33.363	0.00504	0.00464	0.00032	0	1084137	192576	313.202	2.2E+07	0.2215741	0.264	1.174	1.745	507.5305	0.076714	0.070577	0.004808	0.050	Bore/Drill Rigs
Statewide Totals	2026	Construction and Mining - Bore/Drill Rigs	Aggregate	50	Diesel	0.00131	0.00158	0.00189	0.01128	0.00924	1.32807	0.00046	0.00043	1.3E-05	0	43155.9	38749.2	82	769535	0.6819579	0.812	4.852	3.977	571.4542	0.199582	0.183616	0.005413	0.056	Bore/Drill Rigs
Statewide Totals	2026	Construction and Mining - Bore/Drill Rigs	Aggregate	600	Diesel	0.01633	0.01976	0.02352	0.12916	0.14539	47.9896	0.00653	0.006	0.00045	0	1559430	155035	269.112	3.1E+07	0.207863	0.247	1.358	1.529	504.7455	0.068645	0.063154	0.004781	0.050	Bore/Drill Rigs
Statewide Totals	2026	Construction and Mining - Bore/Drill Rigs	Aggregate	75	Diesel	0.00236	0.00286	0.0034	0.03084	0.02931	5.12917	0.00089	0.00082	4.9E-05	0	166673	92779.9	191.015	2952194	0.3206511	0.382	3.459	3.287	575.2956	0.099987	0.091988	0.00545	0.056	Bore/Drill Rigs
Statewide Totals	2026	Construction and Mining - Bore/Drill Rigs	Aggregate	750	Diesel	0.00588	0.00712	0.00847	0.03862	0.05267	19.8099	0.00226	0.00208	0.00019	0	643725	39567.7	70.0234	1.3E+07	0.1823054	0.217	0.989	1.349	507.4024	0.057958	0.053322	0.004807	0.050	Bore/Drill Rigs
Statewide Totals	2026	Construction and Mining - Bore/Drill Rigs	Aggregate	9999	Diesel	0.00192	0.00233	0.00277	0.01236	0.03163	6.56553	0.00069	0.00064	6.2E-05	0	213348	9918.84	17	4229323	0.182304	0.217	0.967	2.476	514.0287	0.054188	0.049853	0.004869	0.050	Bore/Drill Rigs
Statewide Totals	2026	Construction and Mining - Concrete Pump	Aggregate	100	Diesel	4.5E-05	5.4E-05	6.5E-05	0.00077	0.00051	0.13424	3.5E-05	3.2E-05	1.3E-06	0	4362.3	2148.93	4.00456	71374.4	0.2516186	0.299	3.574	2.351	622.7912	0.160506	0.147666	0.0059	0.061	Concrete Pump
Statewide Totals	2026	Construction and Mining - Concrete Pump	Aggregate	175	Diesel	0.0006	0.00073	0.00086	0.01299	0.00391	2.14381	0.00014	0.00013	2E-05	0	69663.5	25576.2	32	1380981	0.1738867	0.207	3.115	0.937	514.0287	0.033868	0.031158	0.004869	0.050	Concrete Pump
Statewide Totals	2026	Construction and Mining - Concrete Pump	Aggregate	300	Diesel	0.00021	0.00026	0.00031	0.00187	0.00078	0.86006	4.7E-05	4.4E-05	8.1E-06	0	27947.8	7434.3	12	554026	0.1546465	0.184	1.119	0.464	514.0287	0.028367	0.026098	0.004869	0.050	Concrete Pump
Statewide Totals	2026	Construction and Mining - Concrete Pump	Aggregate	50	Diesel	9E-06	1.1E-05	1.3E-05	8.1E-05	7E-05	0.01178	2.2E-06	2E-06	1.1E-07	0	382.948	387.106	1	6828.55	0.5307058	0.632	3.944	3.401	571.4542	0.105796	0.097333	0.005413	0.056	Concrete Pump
Statewide Totals	2026	Construction and Mining - Concrete Pump	Aggregate	600	Diesel	0.00062	0.00075	0.00089	0.00382	0.00773	2.02661	0.00024	0.00022	1.9E-05	0	65855	9382.51	18	1305483	0.1902552	0.226	0.969	1.961	514.0287	0.059848	0.05506	0.004869	0.050	Concrete Pump
Statewide Totals	2026	Construction and Mining - Concrete Pump	Aggregate	75	Diesel	7.2E-05	8.8E-05	0.0001	0.00086	0.00083	0.14153	2.6E-05	2.4E-05	1.3E-06	0	4599.03	3454.66	7	82007.7	0.3536442	0.421	3.484	3.333	571.4542	0.104866	0.096477	0.005413	0.056	Concrete Pump
Statewide Totals	2026	Construction and Mining - Cranes	Aggregate	100	Diesel	0.00086	0.00104	0.00124	0.00987	0.00886	1.93523	0.00062	0.00057	1.8E-05	0	62885.6	29282.4	151.196	726742	0.4758928	0.566	4.496	4.038	881.7404	0.28052	0.258079	0.008353	0.087	Cranes
Statewide Totals	2026	Construction and Mining - Cranes	Aggregate	175	Diesel	0.0055	0.00666	0.00792	0.07763	0.06092	14.8798	0.00311	0.00286	0.00014	0	483523	178938	679.924	7543222	0.2922763	0.348	3.408	2.674	653.1759	0.136685	0.125751	0.006187	0.064	Cranes
Statewide Totals	2026	Construction and Mining - Cranes	Aggregate	25	Diesel	3.4E-05	4.1E-05	4.9E-05	0.00041	0.00027	0.09825	1.7E-05	1.6E-05	9.3E-07	0	3192.61	328.317	2	2070.86	6.5705901	7.82	65.64	42.64	15709.59	2.707179	2.490604	0.148814	1.542	Cranes
Statewide Totals	2026	Construction and Mining - Cranes	Aggregate	300	Diesel	0.01283	0.01552	0.01847	0.11385	0.12935	45.4736	0.00632	0.00581	0.00043	0	1477672	389933	1529.2	2.7E+07	0.1903813	0.227	1.396	1.586	557.6822	0.077502	0.071302	0.005283	0.055	Cranes
Statewide Totals	2026	Construction and Mining - Cranes	Aggregate	50	Diesel	0.00012	0.00015	0.00018	0.00101	0.00081	0.18755	4E-05	3.7E-05	1.8E-06	0	6094.62	5103.87	26.0246	59218	0.8314545	0.989	5.671	4.523	1048.728	0.223917	0.206004	0.009934	0.103	Cranes
Statewide Totals	2026	Construction and Mining - Cranes	Aggregate	600	Diesel	0.01401	0.01695	0.02018	0.15695	0.13814	62.2142	0.00593	0.00545	0.00059	0	2021660	322222	1222.02	3.9E+07	0.143924	0.171	1.332	1.173	528.1137	0.050319	0.046294	0.005003	0.052	Cranes
Statewide Totals	2026	Construction and Mining - Cranes	Aggregate	75	Diesel	0.00045	0.00054	0.00064	0.00401	0.00491	0.78845	0.00028	0.00026	7.5E-06	0	25620.8	14101.4	77.0484	250814	0.713729	0.849	5.297	6.48	1040.904	0.375662	0.345609	0.00986	0.102	Cranes
Statewide Totals	2026	Construction and Mining - Cranes	Aggregate	750	Diesel	0.00189	0.00228	0.00272	0.01956	0.02064	9.6077	0.00088	0.00081	9.1E-05	0	312204	33200.2	141.044	6183186	0.1223435	0.146	1.047	1.105	514.5125	0.047061	0.043296	0.004874	0.050	Cranes
Statewide Totals	2026	Construction and Mining - Cranes	Aggregate	9999	Diesel	0.00061	0.00074	0.00088	0.00593	0.01431	3.23779	0.0003	0.00027	3.1E-05	0	105212	8015.71	33.0197	2104383	0.116317	0.138	0.934	2.252	509.4624	0.046755	0.043014	0.004826	0.050	Cranes
Statewide Totals	2026	Construction and Mining - Misc - Concrete/Industrial Saws	Aggregate	50	Diesel	0.00076	0.00091	0.0011	0.00951	0.00777	1.29003	0.00019	0.00017	1.6E-05	1E-05	41960.4	30284.1	51.74	999374	0.3011772	0.364	3.15	2.574	427.4246	0.062114	0.057145	0.00542	0.042	Concrete/Industrial Saws
Statewide Totals	2026	Construction and Mining - Rubber Tired Dozers	Aggregate	100	Diesel	0.00072	0.00087	0.00104	0.00833	0.00683	1.42649	0.00056	0.00052	1.4E-05	0	46354.1	22168.1	50.0356	768619	0.3751214	0.446	3.588	2.942	614.5355	0.241955	0.222598	0.005821	0.060	Rubber Tired Dozers
Statewide Totals	2026	Construction and Mining - Rubber Tired Dozers	Aggregate	175	Diesel	0.00183	0.00221	0.00264	0.02597	0.01772	4.32876	0.00086	0.00079	4.1E-05	0	140664	48590	83.037	2773570	0.2644031	0.315	3.1	2.116	516.7882	0.102607	0.094398	0.004895	0.051	Rubber Tired Dozers
Statewide Totals	2026	Construction and Mining - Rubber Tired Dozers	Aggregate	300	Diesel	0.00181	0.00219	0.0026	0.01367	0.01367	5.37487	0.00072	0.00067	5.1E-05	0	174657	38213.7	67.0561	3480044	0.2080399	0.248	1.301	1.3	511.4133	0.068885	0.063374	0.004845	0.050	Rubber Tired Dozers
Statewide Totals	2026	Construction and Mining - Rubber Tired Dozers	Aggregate	50	Diesel	0.00014	0.00017	0.0002	0.00184	0.00122	0.39745	4.1E-05	3.7E-05	3.8E-06	0	12915.2	6928.05	18.0687	107774	0.5133032	0.611	5.648	3.741	1221.119	0.125111	0.115102	0.011567	0.120	Rubber Tired Dozers
Statewide Totals	2026	Construction and Mining - Rubber Tired Dozers	Aggregate	600	Diesel	0.00891	0.01078	0.01283	0.08496	0.07208	28.3921	0.00361	0.00332	0.00027	0	922607	132585	244.926	2.1E+07	0.1727045	0.206	1.361	1.155	454.7831	0.057778	0.053156	0.004308	0.045	Rubber Tired Dozers
Statewide Totals	2026	Construction and Mining - Rubber Tired Dozers	Aggregate	75	Diesel	0.00035	0.00043	0.00051	0.00398	0.00432	0.7287	0.00017	0.00016	6.9E-06	0	23679.4	13963.1	30.0514	345173	0.4108554	0.489	3.821	4.141	699.041	0.163551	0.150467	0.006622	0.069	Rubber Tired Dozers
Statewide Totals	2026	Construction and Mining - Rubber Tired Dozers	Aggregate	750	Diesel	0.00021	0.00025	0.0003	0.0018	0.00134	0.85309	6.9E-05	6.3E-05	8.1E-06	0	27721.3	2570.04	5.0127	686933	0.1198826	0.143	0.865	0.647	411.2144	0.033198	0.030543	0.003895	0.040	Rubber Tired Dozers
Statewide Totals	2026	Construction and Mining - Rubber Tired Dozers	Aggregate	9999	Diesel	0.00059	0.00072	0.00085	0.00485	0.01251	2.39746	0.00031	0.00029	2.3E-05	0	77905.9	2953.5	5	1544376	0.1537619	0.183	1.04	2.682	514.0287	0.066841	0.061494	0.004869	0.050	Rubber Tired Dozers
Statewide Totals	2026	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	100	Diesel	0.13457	0.16283	0.19378	2.04066	1.37979	346.771	0.09806	0.09021	0.00328	0	1.1E+07	6077385	12668.9	2E+08	0.2740288	0.326	3.434	2.322	583.5781	0.16502	0.151818	0.005528	0.057	Tractors/Loaders/Backhoes
Statewide Totals	2026	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	175	Diesel	0.11348	0.13731	0.16342	2.154	0.8914	362.055	0.03807	0.03502	0.00343	0	1.2E+07	4948464	7515.81	2.3E+08	0.1963415	0.234	3.08	1.275	517.6896	0.054433	0.050079	0.004904	0.051	Tractors/Loaders/Backhoes
Statewide Totals	2026	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	25	Diesel	6E-06	7.3E-06	8.7E-06	6.5E-05	4.9E-05	0.0073	3.2E-06	2.9E-06	6.9E-08	0	237.339	497.312	2	4232.12	0.5693484	0.678	5.057	3.867	571.4542	0.248161	0.228308	0.005413	0.056	Tractors/Loaders/Backhoes
Statewide Totals	2026	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	300	Diesel	0.04449	0.05383	0.06407	0.33103	0.32871	152.849	0.01423	0.01309	0.00145	0	4966865	1214556	2068.77	9.8E+07	0.181008	0.215	1.113	1.105	513.9389	0.04785	0.044022	0.004868	0.050	Tractors/Loaders/Backhoes
Statewide Totals	2026	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	50	Diesel	0.03681	0.04455	0.05301	0.26327	0.21509	33.4167	0.01145	0.01054	0.00032	0	1085882	1280468	3230.67	1.8E+07	0.8328871	0.991	4.923	4.022	624.8134	0.214118	0.196989	0.005919	0.061	Tractors/Loaders/Backhoes
Statewide Totals	2026	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	600	Diesel	0.03144	0.03804	0.04527	0.26102	0.21334	115.824	0.0095	0.00874	0.0011	0	3763719	524014	881.443	7.6E+07	0.1665853	0.198	1.143	0.934	507.2231	0.041613	0.038284	0.004805	0.050	Tractors/Loaders/Backhoes
Statewide Totals	2026	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	75	Diesel	0.07646	0.09251	0.1101	0.8821	0.91209	148.25	0.03101	0.02853	0.0014	0	4817422	3382630	7630.57	8.3E+07	0.3700206	0.44	3.528	3.648	592.9516	0.124037	0.114114	0.005617	0.058	Tractors/Loaders/Backhoes
Statewide Totals	2026	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	750	Diesel	0.00144	0.00174	0.00207	0.01302	0.0112	5.34792	0.00059	0.00054	5.1E-05	0	173782	13550.9	26.0152	3500418	0.1646271	0.196	1.232	1.06	505.8875	0.055846	0.051378	0.004792	0.050	Tractors/Loaders/Backhoes
Statewide Totals	2026	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	9999	Diesel	0.0071	0.00859	0.01023	0.06138	0.1124	21.2043	0.00334	0.00307	0.0002	0	689036	19166.5	35.0113	1.4E+07	0.2053057	0.244	1.467	2.686	506.6689	0.079779	0.073397	0.0048	0.050	Tractors/Loaders/Backhoes
Statewide Totals	2026	Portable Equipment - Rental Pump	Aggregate	100	Diesel	0.00694	0.00839	0.00999	0.19971	0.07487	27.8043	0.0063	0.0058	0.00026	2E-04	904384	642321	634.038	5.6E+07	0.0496638	0.059	1.182	0.443	164.5555	0.037287	0.034304	0.001524	0.016	Rental Pump
Statewide Totals	2026	Portable Equipment - Rental Pump	Aggregate	175	Diesel	0.01508	0.01825	0.02171	0.44882	0.10735	74.4775	0.00422	0.00388	0.00069	6E-04	2422514	1049408	1035.88	1.5E+08	0.0403124	0.048	0.992	0.237	164.5555	0.009314	0.008569	0.001524	0.016	Rental Pump
Statewide Totals	2026	Portable Equipment - Rental Pump	Aggregate	300	Diesel	0.02405	0.02911	0.03464	0.24162	0.14385	117.327	0.00599	0.00551	0.00109	1E-03	3816280	1020156	1007	2.4E+08	0.0408208	0.049	0.339	0.202	164.5555	0.008395	0.007723	0.001524	0.016	Rental Pump
Statewide Totals	2026	Portable Equipment - Rental Pump	Aggregate	50	Diesel	0.00038	0.00046	0.00054	0.0057	0.00356	0.63271	5.2E-05	4.8E-05	5.9E-06	5E-06	20580	23157.7	22.859	1145211	0.1320306	0.157	1.649	1.029	182.9391	0.014962	0.013765	0.001692	0.018	Rental Pump
Statewide Totals	2026	Portable Equipment - Rental Pump	Aggregate	600	Diesel	0.0209	0.02529	0.03009	0.20255	0.11356	102.169	0.00536	0.00493	0.00095	8E-04	3323242	516782	510.117	2.1E+08	0.040728	0.048	0.326	0.183	164.5555	0.008632	0.007942	0.001524	0.016	Rental Pump
Statewide Totals	2026	Portable Equipment - Rental Pump	Aggregate	75	Diesel	0.00561	0.00679	0.00808	0.1226	0.09532	18.807	0.00196	0.0018	0.00017	2E-04	611732	532626	525.758	3.8E+07	0.0594126	0.071	1.073	0.834	164.5555	0.017135	0.015764	0.001524	0.016	Rental Pump
Statewide Totals	2026	Portable Equipment - Rental Pump	Aggregate	750	Diesel	0.00148	0.0018	0.00214	0.01259	0.01171	6.30247	0.00064	0.00059	5.8E-05	5E-05	204999	19501.2	19.2497	1.3E+07	0.0468848	0.056	0.329	0.306	164.5555	0.01663	0.0153	0.001524	0.016	Rental Pump
Statewide Totals	2026	Portable Equipment - Rental Pump	Aggregate	9999	Diesel	0.00027	0.00033	0.00039	0.00491	0.01518	2.70441	0.00031	0.00029	2.5E-05	2E-05	87965.6	1218.82	1.20311	5441870	0.0200122	0.024	0.299	0.924	164.5555	0.019069	0.017543	0.001525	0.016	Rental Pump
Statewide Totals	2026	Construction and Mining - Other Material Handling Equipment	Aggregate	100	Diesel	0.00167	0.00202	0.00241	0.02106	0.01693	3.59424	0.00122	0.00113	3.4E-05	0	116795	57036.7	146.039	2012666	0.332903	0.396	3.464	2.785	591.3214	0.201347	0.185239	0.005601	0.058	Other Material Handling Equipment
Statewide Totals	2026	Construction and Mining - Other Material Handling Equipment	Aggregate	175	Diesel	0.00504	0.00609	0.00725	0.08556	0.04731	14.7678	0.0022	0.00202	0.00014	0	479882	181823	355.089	9407214	0.2145142	0.255	3.012	1.665	519.8089	0.077413	0.07122	0.004924	0.051	Other Material Handling Equipment
Statewide Totals	2026	Construction and Mining - Other Material Handling Equipment	Aggregate	300	Diesel	0.00446	0.00539	0.00642	0.03357	0.03652	15.0887	0.00168	0.00154	0.00014	0	490309	104071	222.085	9722277	0.1837047	0.219	1.143	1.244	513.8921	0.057133	0.052562	0.004868	0.050	Other Material Handling Equipment
Statewide Totals	2026	Construction and Mining - Other Material Handling Equipment	Aggregate	50	Diesel	0.00111	0.00134	0.0016	0.01141	0.00992	1.67887	0.00039	0.00036	1.6E-05	0	54555.3	64389.4	186.049	873227	0.5099673	0.607	4.327	3.763	636.6192	0.147405	0.135613	0.006031	0.062	Other Material Handling Equipment
Statewide Totals	2026	Construction and Mining - Other Material Handling Equipment	Aggregate	600	Diesel	0.00676	0.00817	0.00973	0.05639	0.0485	26.704	0.00211	0.00194	0.00025	0	867752	108951	214.052	1.7E+07	0.1566289	0.186	1.081	0.929	511.6951	0.040456	0.037219	0.004847	0.050	Other Material Handling Equipment
Statewide Totals	2026	Construction and Mining - Other Material Handling Equipment	Aggregate	75	Diesel	0.00091	0.0011	0.00131	0.0118	0.012	2.00388	0.00039	0.00036	1.9E-05	0	65116.3	44132	117.014	1139984	0.3203633	0.381	3.429	3.484	582.0504	0.113171	0.104117	0.005514	0.057	Other Material Handling Equipment
Statewide Totals	2026	Construction and Mining - Other Material Handling Equipment	Aggregate	750	Diesel	0.00096	0.00117	0.00139	0.00987	0.00893	2.90971	0.00049	0.00045	2.8E-05	0	94551.4	6842.85	19	1874349	0.206002	0.245	1.744	1.577	514.0287	0.086725	0.079787	0.004869	0.050	Other Material Handling Equipment
Statewide Totals	2026	Construction and Mining - Other Material Handling Equipment	Aggregate	9999	Diesel	0.0022	0.00267	0.00317	0.01882	0.04224	9.84708	0.00097	0.0009	9.3E-05	0	319983	16374.2	35	6343207	0.13915	0.166	0.983	2.205	514.0287	0.050873	0.046803	0.004869	0.050	Other Material Handling Equipment
Statewide Totals	2026	Construction and Mining - Excavators	Aggregate	50	Diesel	0.05347	0.0647	0.077	0.61752	0.50209	82.3107	0.01737	0.01598	0.00078	0	2674700	3512064	7473.15	4.7E+07	0.4522375	0.538	4.316	3.509	575.3161	0.12139	0.111679	0.00545	0.056	Excavators
Statewide Totals	2026	Industrial - Forklifts	Aggregate	100	Diesel	0.01837	0.02223	0.02645	0.31836	0.20114	55.0837	0.01446	0.0133	0.00052	0	1789955	1823946	4460.36	3.1E+07	0.2394262	0.285	3.429	2.167	593.3846	0.15579	0.143327	0.005621	0.058	Forklifts

Default Horsepower and Load Factor for Construction Equipment

Sources: CalEEMod 2022 Appendix G Table 12

Equipment	Fuel	Default Horsepower	Load Factor
Cranes	Diesel	367	0.29

Commercial Harbor Craft Emissions

Construction Phase	Equipment	Modeled Equipment	Fuel	Quantity	Hours of Use/Day		Workdays	HP	Equipment Total Hours	lbs/day of pollutant or gallons of fuel										
										VOC	NOX	CO	PM10	PM2.5	SO2	CO2	Fuel	CH4	N2O	MTCO2e/total
Water Demolition Part 1	American 5299 Crane (On Flexifloat Spud Barge)	AE - Barge-Other	Diesel	1	8		20	168	160	0.13041	2.54221	0.73277	0.0641	0.06128	0	430.14	401.413	0.28408	0.00752	3.96659582
Water Demolition Part 1	DB Palomar Main Engine	AE - Barge-Other	Diesel	1	2		20	600	40	0.08493	1.56321	0.45427	0.04277	0.04088	0	243.732	227.454	0.16097	0.00426	2.2476078
Water Demolition Part 1	DB Palomar Genset	AE - Barge-Other	Diesel	1	2		20	300	40	0.04679	0.96767	0.24864	0.01922	0.01837	0	157.393	146.881	0.10395	0.00275	1.4514171
Water Demolition Part 1	Killeen Rear Genset - Harbor Tug	ME - Tugboat-Push/Tow	Diesel	1	2		20	803	40	0.26241	4.18342	1.52848	0.09342	0.08931	0	956.826	873.249	0.61799	0.01636	8.82035031
Water Demolition Part 1	Killeen Forward Genset - Harbor Tug	ME - Tugboat-Push/Tow	Diesel	1	2		20	803	40	0.26241	4.18342	1.52848	0.09342	0.08931	0	956.826	873.249	0.61799	0.01636	8.82035031
Water Demolition Part 1	Survey Boat	ME - Work Boat	Diesel	1	2		20	230	40	0.16638	1.96875	0.44864	0.04338	0.04147	0	165.911	157.455	0.11143	0.00295	1.53038869

Summary by Phase

Phase	lbs/day (or gallons/day)										CO2e MT
	VOC	NOX	CO	PM10	PM2.5	SO2	CO2	Diesel	CH4	N2O	
Water Demolition Part 1	0.95	15.41	4.94	0.36	0.34	0.00	######	2679.70	1.90	0.05	27

CHC Emission Rate Calculation

1. CARB OFFROAD OUTPUT

Model Output: OFFROAD2021 (v1.1.0.) Emissions Inventory
Region Type: Statewide
Region: California
Calendar Year: 2026
Scenario: All Adopted Rules - Exhaust
Vehicle Classification: Off-Road Web Query Equipment Types
Units: tons/day for Emissions, gallons/year for Fuel, hours/year for Activity, Horsepower-hours/year for Horsepower-hours

Region	Calendar	Vehicle Category	Model Year	Horsepower	Fuel	HC_tpd	ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd	NH3_tpd	Fuel Consum	Total_Activity_hp	Total_Popula	Horsepower_Hours_h
Statewide	2026	Commercial Harbor Craft - AE - Barge-Other	Aggregate	100	Diesel	4E-05	5E-05	6E-05	0.0002	0.001	0.1528	2E-05	2E-05	0	0	5203.06	3268.54	16.4	92018.49
Statewide	2026	Commercial Harbor Craft - AE - Barge-Other	Aggregate	175	Diesel	0.0002	0.0003	0.0004	0.0017	0.0058	0.9748	0.0001	0.0001	0	0	33203.7	13234.7	51.2	600698.84
Statewide	2026	Commercial Harbor Craft - AE - Barge-Other	Aggregate	300	Diesel	0.0007	0.0008	0.0009	0.0042	0.0163	2.6553	0.0003	0.0003	0	0	90444.5	24630.7	56.6	1668936.6
Statewide	2026	Commercial Harbor Craft - AE - Barge-Other	Aggregate	50	Diesel	2E-05	2E-05	3E-05	0.0001	0.0004	0.0576	1E-05	1E-05	0	0	1960.38	2951.54	10.8	30595.452
Statewide	2026	Commercial Harbor Craft - AE - Barge-Other	Aggregate	600	Diesel	0.0007	0.0009	0.0011	0.0047	0.0163	2.5347	0.0004	0.0004	0	0	86339.2	15183.6	23.8	1591326.9
Statewide	2026	Commercial Harbor Craft - AE - Barge-Other	Aggregate	75	Diesel	2E-05	3E-05	3E-05	0.0001	0.0005	0.0811	1E-05	1E-05	0	0	2762.08	2438.86	4.4	48672.893
Statewide	2026	Commercial Harbor Craft - AE - Barge-Other	Aggregate	9999	Diesel	0.0004	0.0005	0.0005	0.0016	0.0072	1.0444	1E-04	9E-05	0	0	35576.4	2615.09	6.6	681083.48
Statewide	2026	Commercial Harbor Craft - AE - Tugboat-Push/Tow	Aggregate	100	Diesel	0.0024	0.0029	0.0035	0.008	0.0442	3.6797	0.001	0.001	0	0	122188	64424.7	42	2160897.3
Statewide	2026	Commercial Harbor Craft - AE - Tugboat-Push/Tow	Aggregate	175	Diesel	0.004	0.0048	0.0057	0.0155	0.0778	7.4935	0.0012	0.0012	0	0	248438	96313.3	72.17	4393900.8
Statewide	2026	Commercial Harbor Craft - AE - Tugboat-Push/Tow	Aggregate	300	Diesel	0.0012	0.0014	0.0017	0.0046	0.0232	2.1678	0.0006	0.0005	0	0	72656.1	17666.4	13.71	1341126.4
Statewide	2026	Commercial Harbor Craft - AE - Tugboat-Push/Tow	Aggregate	50	Diesel	0.0012	0.0015	0.0017	0.0041	0.0184	1.6031	0.0006	0.0006	0	0	53311	56829.4	42.46	831819.38
Statewide	2026	Commercial Harbor Craft - AE - Tugboat-Push/Tow	Aggregate	600	Diesel	2E-05	3E-05	3E-05	9E-05	0.0005	0.0436	2E-05	2E-05	0	0	1486.78	235.469	1.542	27443.885
Statewide	2026	Commercial Harbor Craft - AE - Tugboat-Push/Tow	Aggregate	75	Diesel	0.0011	0.0014	0.0017	0.0038	0.0209	1.7393	0.0005	0.0004	0	0	57682.6	45674.4	32.75	1020120.3
Statewide	2026	Commercial Harbor Craft - AE - Work Boat	Aggregate	100	Diesel	0.0005	0.0006	0.0007	0.0017	0.0063	0.5687	0.0003	0.0003	0	0	19700.8	11649.2	16.27	338606.3
Statewide	2026	Commercial Harbor Craft - AE - Work Boat	Aggregate	175	Diesel	0.0011	0.0013	0.0015	0.0055	0.0178	1.8903	0.0005	0.0005	0	0	65478	25446.2	35.54	1172522.7
Statewide	2026	Commercial Harbor Craft - AE - Work Boat	Aggregate	300	Diesel	0.0031	0.0037	0.0045	0.0153	0.0476	4.8721	0.0015	0.0014	0	0	168767	43066.1	60.16	3111928
Statewide	2026	Commercial Harbor Craft - AE - Work Boat	Aggregate	50	Diesel	0.0005	0.0006	0.0007	0.0022	0.0063	0.6374	0.0003	0.0003	0	0	22078.2	32897.4	45.95	348043.43
Statewide	2026	Commercial Harbor Craft - AE - Work Boat	Aggregate	600	Diesel	0.0031	0.0038	0.0045	0.0138	0.0423	4.1269	0.0014	0.0013	0	0	142955	22387.8	31.27	2636570
Statewide	2026	Commercial Harbor Craft - AE - Work Boat	Aggregate	75	Diesel	0.0007	0.0008	0.001	0.0024	0.0073	0.6691	0.0003	0.0003	0	0	23176.5	21720.6	30.34	405999.96
Statewide	2026	Commercial Harbor Craft - AE - Work Boat	Aggregate	9999	Diesel	0.0018	0.0022	0.0026	0.0063	0.0162	2.6015	0.0007	0.0006	0	0	90103.2	4344.11	6.068	1754637.6
Statewide	2026	Commercial Harbor Craft - ME - Tugboat-Push/Tow	Aggregate	100	Diesel	1E-05	2E-05	2E-05	5E-05	0.0003	0.0241	1E-05	1E-05	0	0	819.126	471.447	3.083	14486.611
Statewide	2026	Commercial Harbor Craft - ME - Tugboat-Push/Tow	Aggregate	175	Diesel	0.0001	0.0001	0.0002	0.0003	0.0027	0.235	6E-05	5E-05	0	0	8002.53	2793.62	9.708	141534.88
Statewide	2026	Commercial Harbor Craft - ME - Tugboat-Push/Tow	Aggregate	300	Diesel	0.0021	0.0026	0.0031	0.0056	0.0448	3.6526	0.0009	0.0008	0	0	123496	28023	32.21	2279550.8
Statewide	2026	Commercial Harbor Craft - ME - Tugboat-Push/Tow	Aggregate	50	Diesel	5E-06	5E-06	7E-06	2E-05	6E-05	0.0055	9E-07	9E-07	0	0	181.66	235.723	1.542	2834.337
Statewide	2026	Commercial Harbor Craft - ME - Tugboat-Push/Tow	Aggregate	600	Diesel	0.0177	0.0214	0.0255	0.0431	0.342	26.022	0.0042	0.004	0	0	866112	111296	90.92	15987152
Statewide	2026	Commercial Harbor Craft - ME - Tugboat-Push/Tow	Aggregate	9999	Diesel	0.017	0.0205	0.0245	0.1197	0.3276	74.925	0.0073	0.007	0	0	2495889	114327	96.21	49094459
Statewide	2026	Commercial Harbor Craft - ME - Work Boat	Aggregate	175	Diesel	0.0025	0.0031	0.0036	0.0086	0.0407	3.4283	0.0008	0.0008	0	0	118756	48108.9	75.29	2129624.2
Statewide	2026	Commercial Harbor Craft - ME - Work Boat	Aggregate	300	Diesel	0.0086	0.0104	0.0124	0.028	0.123	10.368	0.0027	0.0026	0	0	359140	91236.5	142.8	6625171.8
Statewide	2026	Commercial Harbor Craft - ME - Work Boat	Aggregate	50	Diesel	4E-05	5E-05	6E-05	0.0002	0.0006	0.058	3E-05	2E-05	0	0	2008.29	1960.34	3.068	31334.15
Statewide	2026	Commercial Harbor Craft - ME - Work Boat	Aggregate	600	Diesel	0.0329	0.0398	0.0474	0.1101	0.5581	47.15	0.0108	0.0103	0	0	1633271	229087	352.4	30124952
Statewide	2026	Commercial Harbor Craft - ME - Work Boat	Aggregate	75	Diesel	0.0001	0.0001	0.0002	0.0004	0.0015	0.1363	7E-05	6E-05	0	0	4721.86	3920.69	6.136	80293.762
Statewide	2026	Commercial Harbor Craft - ME - Work Boat	Aggregate	9999	Diesel	0.0243	0.0294	0.035	0.1047	0.3134	40.393	0.0093	0.0088	0	0	1399216	57997.5	78.5	27019376

CHC Emission Rate Calculation

2. CALCULATION OF HOURLY EMISSIONS BY TYPE BY BIN

equation:

daily tons x 365 x 2000

equation:

annual lbs / annual hours

ROG = VOC

PM10e = DPM

	lbs per year									lbs/hr of pollutant or gallons/hr of fuel								
CHC short name	VOC	NOX	CO	PM10	PM2.5	SO2	CO2	Fuel (gpy)	Hours	VOC	NOX	CO	PM10	PM2.5	SO2	CO2	Fuel	Row (QA)
AE - Barge-Other	36	732	164	17	16	0	111,508	5,203	3269	0.01	0.2	0.1	0.005	0.0	0.0	34.1	1.6	1
AE - Barge-Other	216	4,206	1,212	106	101	0	711,598	33,204	13235	0.02	0.3	0.1	0.008	0.0	0.0	53.8	2.5	2
AE - Barge-Other	576	11,917	3,062	237	226	0	1,938,341	90,444	24631	0.02	0.5	0.1	0.010	0.0	0.0	78.7	3.7	3
AE - Barge-Other	16	277	74	9	8	0	42,013	1,960	2952	0.01	0.1	0.0	0.003	0.0	0.0	14.2	0.7	4
AE - Barge-Other	645	11,868	3,449	325	310	0	1,850,360	86,339	15184	0.04	0.8	0.2	0.021	0.0	0.0	121.9	5.7	5
AE - Barge-Other	20	397	88	10	9	0	59,195	2,762	2439	0.01	0.16	0.04	0.004	0.00	0.00	24.27	1.13	6
AE - Barge-Other	331	5,264	1,175	71	68	0	762,448	35,576	2615	0.13	2.01	0.45	0.027	0.03	0.00	291.56	13.60	7
AE - Tugboat-Push/Tow	2,146	32,254	5,811	745	712	0	2,686,153	122,188	64425	0.03	0.50	0.09	0.012	0.01	0.00	41.69	1.90	8
AE - Tugboat-Push/Tow	3,504	56,772	11,306	908	868	0	5,470,220	248,438	96313	0.04	0.59	0.12	0.009	0.01	0.00	56.80	2.58	9
AE - Tugboat-Push/Tow	1,028	16,961	3,368	418	399	0	1,582,497	72,656	17666	0.06	0.96	0.19	0.024	0.02	0.00	89.58	4.11	10
AE - Tugboat-Push/Tow	1,065	13,466	3,016	420	402	0	1,170,252	53,311	56829	0.02	0.24	0.05	0.007	0.01	0.00	20.59	0.94	11
AE - Tugboat-Push/Tow	19	329	65	12	11	0	31,864	1,487	235	0.08	1.40	0.28	0.050	0.05	0.00	135.32	6.31	12
AE - Tugboat-Push/Tow	1,015	15,244	2,747	334	320	0	1,269,701	57,683	45674	0.02	0.33	0.06	0.007	0.01	0.00	27.80	1.26	13
AE - Work Boat	409	4,570	1,233	192	184	0	415,176	19,701	11649	0.04	0.39	0.11	0.017	0.02	0.00	35.64	1.69	14
AE - Work Boat	944	12,970	3,982	382	365	0	1,379,890	65,478	25446	0.04	0.51	0.16	0.015	0.01	0.00	54.23	2.57	15
AE - Work Boat	2,736	34,748	11,170	1,089	1,041	0	3,556,604	168,767	43066	0.06	0.81	0.26	0.025	0.02	0.00	82.58	3.92	16
AE - Work Boat	403	4,633	1,574	199	191	0	465,278	22,078	32897	0.01	0.14	0.05	0.006	0.01	0.00	14.14	0.67	17
AE - Work Boat	2,756	30,880	10,050	1,014	969	0	3,012,643	142,955	22388	0.12	1.38	0.45	0.045	0.04	0.00	134.57	6.39	18
AE - Work Boat	590	5,359	1,758	237	226	0	488,424	23,177	21721	0.03	0.25	0.08	0.011	0.01	0.00	22.49	1.07	19
AE - Work Boat	1,587	11,793	4,584	478	457	0	1,899,118	90,103	4344	0.37	2.71	1.06	0.110	0.11	0.00	437.17	20.74	20
ME - Tugboat-Push/Tow	13	205	37	10	9	0	17,596	819	471	0.03	0.44	0.08	0.021	0.02	0.00	37.32	1.74	21
ME - Tugboat-Push/Tow	108	1,942	239	42	40	0	171,549	8,003	2794	0.04	0.70	0.09	0.015	0.01	0.00	61.41	2.86	22
ME - Tugboat-Push/Tow	1,889	32,715	4,053	622	595	0	2,666,404	123,496	28023	0.07	1.17	0.14	0.022	0.02	0.00	95.15	4.41	23
ME - Tugboat-Push/Tow	4	47	11	1	1	0	4,040	182	236	0.02	0.20	0.05	0.003	0.00	0.00	17.14	0.77	24
ME - Tugboat-Push/Tow	15,625	249,639	31,459	3,084	2,948	0	18,996,215	866,112	111296	0.14	2.24	0.28	0.028	0.03	0.00	170.68	7.78	25
ME - Tugboat-Push/Tow	15,000	239,138	87,373	5,340	5,105	0	54,695,361	2,495,889	114327	0.13	2.09	0.76	0.047	0.04	0.00	478.41	21.83	26
ME - Work Boat	2,227	29,697	6,242	610	583	0	2,502,669	118,756	48109	0.05	0.62	0.13	0.013	0.01	0.00	52.02	2.47	27
ME - Work Boat	7,590	89,811	20,466	1,979	1,892	0	7,568,546	359,140	91236	0.08	0.98	0.22	0.022	0.02	0.00	82.96	3.94	28
ME - Work Boat	36	418	135	18	18	0	42,323	2,008	1960	0.02	0.21	0.07	0.009	0.01	0.00	21.59	1.02	29
ME - Work Boat	29,064	407,442	80,366	7,887	7,540	0	34,419,706	1,633,271	229087	0.13	1.78	0.35	0.034	0.03	0.00	150.25	7.13	30
ME - Work Boat	94	1,098	280	48	46	0	99,509	4,722	3921	0.02	0.28	0.07	0.012	0.01	0.00	25.38	1.20	31
ME - Work Boat	21,495	228,752	76,451	6,753	6,455	0	29,487,250	1,399,216	57998	0.37	3.94	1.32	0.116	0.11	0.00	508.42	24.13	32

CHC Emission Rate Calculation

3. ASSIGNING HOURLY RATES TO CALCULATE DAILY EMISSIONS

g to lb	453.59
lb to ton	0.0005

CHC HP Bins	50	75	100	175	300	600	9999

Emission Rate Calculation

Row (QA)	Equipment	Modeled CHC Equipment	# of Engines Assumed	HP each	HP Bin	lbs/hr of pollutant or gallons/hr of fuel								lbs per hour (calculated from fuel)	
						VOC	NOX	CO	PM10	PM2.5	SO2	CO2	Fuel	CH4	N2O
2	American 5299 Crane (OnFlexifloat Spud	AE - Barge-Other	1	168	175	0.016	0.318	0.092	0.008	0.008	0.000	53.767	2.509	0.036	0.001
5	DB Palomar Main Engine	AE - Barge-Other	1	600	600	0.042	0.782	0.227	0.021	0.020	0.000	121.866	5.686	0.080	0.002
3	DB Palomar Genset	AE - Barge-Other	1	300	300	0.023	0.484	0.124	0.010	0.009	0.000	78.696	3.672	0.052	0.001
26	Killeen Rear Genset - Harbor Tug	ME - Tugboat-Push/Tow	1	803	9999	0.131	2.092	0.764	0.047	0.045	0.000	478.413	21.831	0.309	0.008
26	Killeen Forward Genset - Harbor Tug	ME - Tugboat-Push/Tow	1	803	9999	0.131	2.092	0.764	0.047	0.045	0.000	478.413	21.831	0.309	0.008
28	Survey Boat	ME - Work Boat	1	230	300	0.083	0.984	0.224	0.022	0.021	0.000	82.955	3.936	0.056	0.001

GHG Emission Factor from diesel usage

CH4	6.42	g/gallon
N2O	0.17	g/gallon

CR2022 per gallon, ships and boats, diesel(Table 2.7)

Site Remediation Off-Road Equipment

Phase: Water Demolition Part 1

Vehicle	Equipment	Offroad Equipment Category	Modeled Equipment	Fuel	Number Per Day	Hours Per Day	Engine Tier	Workdays	HP	Load factor
Barge w/ Crane	Cranes	Construction	Cranes	*Diesel*	1	8	na	20	367	0.29
	American 5299 Crane (On Flexifloat Spud Barge)	CHC	AE - Barge-Other	*Diesel*	1	8	Tier 3	20	168	
Flat Deck Barge	DB Palomar Main Engine	CHC	AE - Barge-Other	*Diesel*	1	2	Tier 3	20	600	
	DB Palomar Genset	CHC	AE - Barge-Other	*Diesel*	1	2	Tier 3	20	300	
Tugboat	Killeen Rear Genset - Harbor Tug	CHC	ME - Tugboat-Push/Tow	*Diesel*	1	2	Tier 3	20	803	
	Killeen Forward Genset - Harbor Tug	CHC	ME - Tugboat-Push/Tow	*Diesel*	1	2	Tier 3	20	803	
Workboat	Survey Boat	CHC	ME - Work Boat	*Diesel*	1	2	Tier 3 - BACT	20	230	

Notes:

Crane HP and Load factor are CalEEMod default.

Horsepower and types of other CHC equipment for the remediation are derived from clients equipment list.

Equipment activities are estimated as follows:

Remediation material and quantitiy

Dredged Material	8,235.45	CY
Replacement Sand	8,235.45	CY
Total CY	16,470.9	CY

Remediation Equipment Activities

Equipment	Qty. (CY)	CY per Equp-hours	# equip	Hours/day	Equip hours	Estimated Workdays
Derrick Barge+Crane	16,470.90	104.17	1	8	158	20
Workboat	16,470.90	416.67	1	2	40	20
Flat Deck Barge	16,470.90	416.67	1	2	40	20
Tugboat	16,470.90	416.67	1	2	40	20

CY per hours is based on dredging activity as shown below:

Reference: Cal Maritime Waterfront Master Plan FEIR Calculations

Phase	Dredging CY	Equip	# equip	workdays	Hr/day	Equipment hours	CY per equip hours
Phase 2-1	40,000	Derrick Barge+Crane	1	48	8	384	104.1666667
Phase 2-1	40,000	Workboat	1	48	2	96	416.67
Phase 2-1	40,000	Flat Deck Barge	1	48	2	96	416.67
Phase 2-1	40,000	Tugboat	1	48	2	96	416.67

Appendix E

Marine Biological Resources Report and Essential FishHabitat Assessment

Marine Biological Resources Report and Essential Fish Habitat Assessment for the Shelter Island Commercial Fishing Wharf Project

March 23, 2026

Prepared for:

Claudia Watts
Ascent Environmental
1230 Columbia St., Suite 440
San Diego, CA 92101

Prepared By:

Marine Taxonomic Services Ltd.

SOUTHERN CALIFORNIA OFFICE

920 RANCHEROS DRIVE, STE F-1
SAN MARCOS, CA 92069

OREGON OFFICE

2834 NW PINEVIEW DRIVE
ALBANY, OR 97321

LAKE TAHOE OFFICE

1155 GOLDEN BEAR TRAIL
SOUTH LAKE TAHOE, CA 96150

Marine Taxonomic Services Ltd. 2026. Marine Biological Resources Report and Essential Fish Habitat Assessment for the Shelter Island Commercial Fishing Wharf Project. Prepared for Ascent Environmental. March 23, 2026.

____

Robert Mooney, PhD
Principal Scientist

Participating Marine Taxonomic Services Ltd. Team Members;

Biologist and Report Draft – Grace Teller, MSc.
Biologist and Field Lead – Mina Sattari, BSc.
Marine Technician II and Diver – Madigan Boborci, BSc.

Contents

List of Figures

List of Tables

Abbreviations

Bay	San Diego Bay
BMPs	best management practices
BPC	Board of Port Commissioners
CCC	California Coastal Commission
CDFW	California Department of Fish and Wildlife
CEMP	California Eelgrass Mitigation Policy
CEQA	State of California Environmental Quality Act
CESA	California Endangered Species Act
CFR	Code of Federal Regulations
CWA	Clean Water Act
dGPS	differential global positioning system
District	San Diego Unified Port District
EFH	Essential Fish Habitat
Eradication Plan	Newport Bay Rapid Response Eradication Plan
ESA	Endangered Species Act
FMP	Fisheries Management Plan
GIS	geographic information system
GST	green sea turtle
HAPCs	Habitat Areas of Particular Concern
INRMP	Integrated Natural Resources Management Plan
MBTA	Migratory Bird Treaty Act
MLMA	Marine Life Management Act
MLPA	Marine Life Protection Act
MMPA	Marine Mammal Protection Act
MPAs	marine protected areas
MSA	Magnuson-Stevens Fishery Management and Conservation Act
MTS	Marine Taxonomic Services, LTD.
NMFS	National Marine Fisheries Service
NOAA	National Oceanic and Atmospheric Administration
PFMC	Pacific Fishery Management Council
Peak	Peak exposure level
PMP	Port Master Plan
Project	Shelter Island Commercial Fishing Wharf Project
RMS	root mean square
RWQCB	Regional Water Quality Control Board
SCCAT	Southern California Caulerpa Action Team
SEL	sound exposure level
SWRCB	State Water Resources Control Board
USACE	United States Army Corps of Engineers
USFWS	United States Fish and Wildlife Service
WoS	Waters of the State
WoUS	waters of the United States

Marine Biological Resources Report and Essential Fish Habitat Assessment for the Shelter Island Commercial Fishing Wharf Project

March 23, 2026

1 Introduction

Marine Taxonomic Services, LTD. (MTS) was contracted by Ascent Environmental to provide a marine biological assessment and essential fish habitat assessment for the Shelter Island Commercial Fishing Wharf Project (Project), formerly known as Driscoll's Wharf. MTS completed a survey and analysis of the resources occurring within the designated survey area and prepared the following report on the findings.

1-1 Project Location

The Project is located at 4918 North Harbor Drive in San Diego, California. The project site encompasses 2.9 acres of landside area, and 6.4 acres of water-side area. Proposed demolition and redevelopment activities would occur within the entire 6.4-acre waterside area of the project site, and landside demolition and utility upgrades would occur within approximately 0.4 acres of the 2.9-acre landside portion of the project site. The Shelter Island Commercial Fishing Wharf facilitates commercial fishing operations includes four pier structures and one offloading dock. Figure 1 shows the location of the Project site within the San Diego Bay. The survey area includes all areas of in-water construction proposed by the Project and includes an approximate 17 meter buffer around Project construction activities as shown in Figure 1.

Figure 1. Vicinity map of the Shelter Island Commercial Fishing Wharf Project site and survey area within San Diego Bay, CA.

1-2 Project Description

The purpose of the Project is to modernize the existing facilities, since they are in disrepair, to account for current needs of the Commercial fisherman and increase safety for vessel berthing and tenant use. Proposed Project plans are included as Appendix A. The list below describes specific Project elements proposed to achieve the goals of this Project.

1-2.1 Demolition

- Demolition of the existing fish offloading Pier (Pier 4), removing a total of 3,553 sq ft of overwater coverage. The existing jib-crane would be removed and stored for re-use. The existing pier, pier deck, 83 piles, mooring piles, floating dock, associated hardware, and other supporting infrastructure would be removed.
- Demolition of Piers 5, 6, 7, and 8, removing a total of 14,484 square feet (sq ft) of overwater coverage. Demolition of Piers 5, 7, and 8 would occur prior to demolition of Pier 6. All commercial fishing vessels would be temporarily relocated to Pier 6. Demolition would involve the removal of all existing pier components including electrical power, potable water, gantry cranes, fencing and gates, lighting, ladders, gangways, and float docks, followed by the removal of deck planks, wood and steel stringers and wood and steel pile caps. A total of 390 piles are proposed for removal.
- Demolition of one landside building. Building E, also known as Building 4922.
- Demolition of the underlying concrete pad of a removed storage shed.

1-2.2 Reconstruction

- Reconstruction of up to three floating dock piers (Piers 5, 7, and 8) and associated structures, such as new gangways and headwalks connecting the piers. The reconstruction of Piers 5, 7, and 8 would result in 26,991 sq ft of total overwater cover. A total of 81 concrete piles would be installed to support the proposed structures including the associated main walk.
- Construction of a floating platform to replace the existing Pier 6 for vessel loading and unloading. The new Pier 6 construction would result in 2,846 sq ft of overwater cover and would require 8 piles to secure the structure.
- Reconstruction of Pier 4 for unloading of fish, seafood, and related equipment. Structural upgrades and reconfiguration of Pier 4 include the replacement of the existing timber pier with a concrete fixed deck pier supported by concrete piles and protected by a fender system. The proposed new Pier 4 would result in overwater cover of 3,717 sq ft. A total of 30 concrete piles would be installed to support the proposed Pier 4 structure.
- Installation of a new floating wave attenuation dock east of the marina. A wave attenuation dock is proposed outside of the existing leasehold to protect the Project infrastructure. The wave attenuation dock would result in 3,245 sq ft of overwater cover and require a total of 30 piles for installation.

2 Methods

MTS staff completed a marine biological assessment at the waterside portion of the Project site on September 24, 2024 (refer to Figure 1 for the survey area). A side-scan sonar survey was performed to get a complete view of the seafloor within the survey area. Where the survey area includes all in-water construction activities proposed by the Project and a buffer of approximately 17 meters. A SCUBA diver survey was used to verify the side-scan data and record habitat and species observations within the Project site. Water depths were provided by the Port of San Diego.

2-1 Side-Scan Sonar Survey

The side-scan sonar survey was performed by navigating a small vessel along a series of transects through the Project site. Additional transects were also made outside the Project site boundary such that the survey area included a buffer of approximately 30 meters beyond all proposed Project elements.

The vessel was fitted with a pole-mounted side-scan sonar operating at 450 kHz. The sonar was set to scan 30 meters on both the port and starboard sides of the vessel for a total scanning swath of 60 meters. Multiple side-scan survey transects, within close proximity to one another, were navigated. The survey area extent is provided in Figure 1.

2-2 SCUBA Survey

During the diver survey, the diver swam multiple transects in the survey area and along the shallow water portion of the Project site. As the diver swam within the Project site, they towed a surface buoy mounted with a differential global positioning system (dGPS) with sub-meter accuracy. The start and end points of the diver transects, and nearshore extent of eelgrass were tracked in real time by a dive tender, topside on a small vessel, equipped with a handheld tablet with mapping software that was connected via Bluetooth to a dGPS. As the diver swam through the Project site, they recorded species and habitat observations on a dive slate. When swimming the boundary of eelgrass beds, the diver's track was recorded in real time. All habitat observations and corresponding dGPS positions were used to validate eelgrass beds as described in the side-scan sonar data.

When eelgrass was encountered, the diver would then tow the dGPS along the perimeter of the eelgrass bed or patch while the tender plotted the boundary using mapping software that wirelessly received position data from the dGPS. In areas where side-scan data was collected, the intent of the diver survey was to map the nearshore boundaries of eelgrass and within areas where side-scan data could not be collected due to lack of vessel access or maneuverability; the intent of the diver survey was to map the entire perimeter of eelgrass within that given area. This data was used in combination with side-scan sonar data to delineate all eelgrass resources within the survey area.

Eelgrass density was measured by randomly placing a 1/16 square meter quadrat within eelgrass beds. Density data were collected along transects within the survey area. The survey team sampled 30 quadrats within the Project site.

Additionally, the diver observed dock, pile, and riprap structures and recorded species observations on a dive slate.

2-3 Sensitive Species and Essential Fish Habitat Assessment

A detailed assessment was conducted to determine if any sensitive species holding special or protected status may occur within, or adjacent to, the designated Project site. Species lists provided by the United States Fish and Wildlife Service (USFWS) and the National Marine Fisheries Service (NMFS) (USFWS 2023 and NMFS 2023a) were evaluated for sensitive species near the Project site.

To accurately identify Essential Fish Habitat (EFH) within the survey area, fish species managed by the Pacific Fisheries Management Council (PFMC) that are known to either occur within the survey area, have historically occurred within the survey area, or depend upon those marine habitats that are known to occur within the survey area, were identified. An analysis of the range and habitat preferences of species managed by the PFMC was conducted through EFH geographic information system (GIS) mapping software regularly maintained and updated by National Oceanic and Atmospheric Administration (NOAA) Fisheries (NMFS 2023b). Additional literature reviews were performed to further evaluate habitat requirements of fish species managed by the PFMC.

3 Results

3-1 Marine Habitats Surveyed

Marine habitats observed during the SCUBA survey within the Project site fell within three distinct categories: unvegetated soft-bottom, eelgrass, and hard substrate including docks, dock floats, and piles. Notable fauna observed included 5 species of marine vertebrates, 17 unique species of marine invertebrates, and 12 species of marine macroalgae (Table 1). Water depths within the Project site ranged between +4 and -14 feet mean lower low water (MLLW). Habitats mapped throughout the Project site during this survey are provided in Figure 2.

Table 1. Common marine species observed within the designated Project site during the SCUBA survey.

Common Name	Scientific Name	Conservation Status	Habitat Observed
	Marine Vertebrates		
Shiner surfperch	*Cymatogaster aggregata*	Least Concern	Eelgrass
Kelp bass	*Paralabrax clathratus*	Least Concern	Eelgrass
Opaleye	*Girella nigricans*	Least Concern	Riprap
Topsmelt	*Atherinops affinis*	Least Concern	Riprap
Round ray	*Urobatis halleri*	Least Concern	Soft Bottom
	Marine Invertebrates		
Sponges	*Haliclona*	Least Concern	Piles, Floats and Dock
Bryozoan	*Amathia verticillata*	Invasive	Piles, Floats and Dock
Tunicate	*Ciona robusta*	Least Concern	Piles, Floats and Dock
Tunicate	*Styela plicata*	Least Concern	Piles, Floats and Dock
Pacific oyster	*Crassostrea gigas*	Non-Native	Pile, Riprap
California spiny lobster	*Panulirus interruptus*	Least Concern	Eelgrass
Tunicate	*Styela clava*	Least Concern	Riprap, Piles
Tube-dwelling anemone	*Pachycerianthus fimbriatus*	Least Concern	Soft Bottom
Anemone	*Bunodeopsis* sp.	Least Concern	Eelgrass
Barnacles	*Chthalamus* sp.	Least Concern	Piles, Floats and Dock
Bryozoan	*Watersipora subtorqata*	Least Concern	Piles
Tunicate	*Styela montereyensis*	Least Concern	Piles, Floats and Dock
Limpet	*Lottia* sp.	Least Concern	Piles
Tunicate	*Botryllus schlosseri*	Least Concern	Piles
California mussels	*Mytilus californianus*	Least Concern	Piles
Bay mussels	*Mytilus trossulus*	Least Concern	Floats and Dock
Lined shore crab	*Pachygrapsus crassipes*	Least Concern	Riprap, Piles
	Macroalgae		
Sea lettuce	*Ulva* sp.	Least Concern	Piles, Floats and Dock
Red algae	*Callophyllis* sp.	Least Concern	Piles, Floats and Dock, Riprap
Red algae	*Gelidium coulteri*	Least Concern	Piles, Floats and Dock
Brown algae	*Dictyopteris undulata*	Least Concern	Piles, Floats and Dock
Brown algae	*Ductyota flabellata*	Least Concern	Piles, Floats and Dock
Red algae	*Endocladua muricata*	Least Concern	Piles, Floats and Dock
*Brown algae	*Macrocystis pyrifera* (juv./small)	Least Concern	Piles, Floats and Dock
Turf algae	Un Identified	Least Concern	Riprap
Red algae	*Gracilaria pacifica*	Least Concern	Soft Bottom
Brown algae	*Sargassum muticum*	Invasive	Riprap
Red algae	*Pyropia* sp.	Least Concern	Floats and Dock
Red algae	*Proinitis sternbergii*	Least Concern	Floats and Dock

*Few sparce individuals identified during the survey. Coverage, height, and health of observed individuals did not indicate the presence of kelp canopy or kelp forest HAPC.

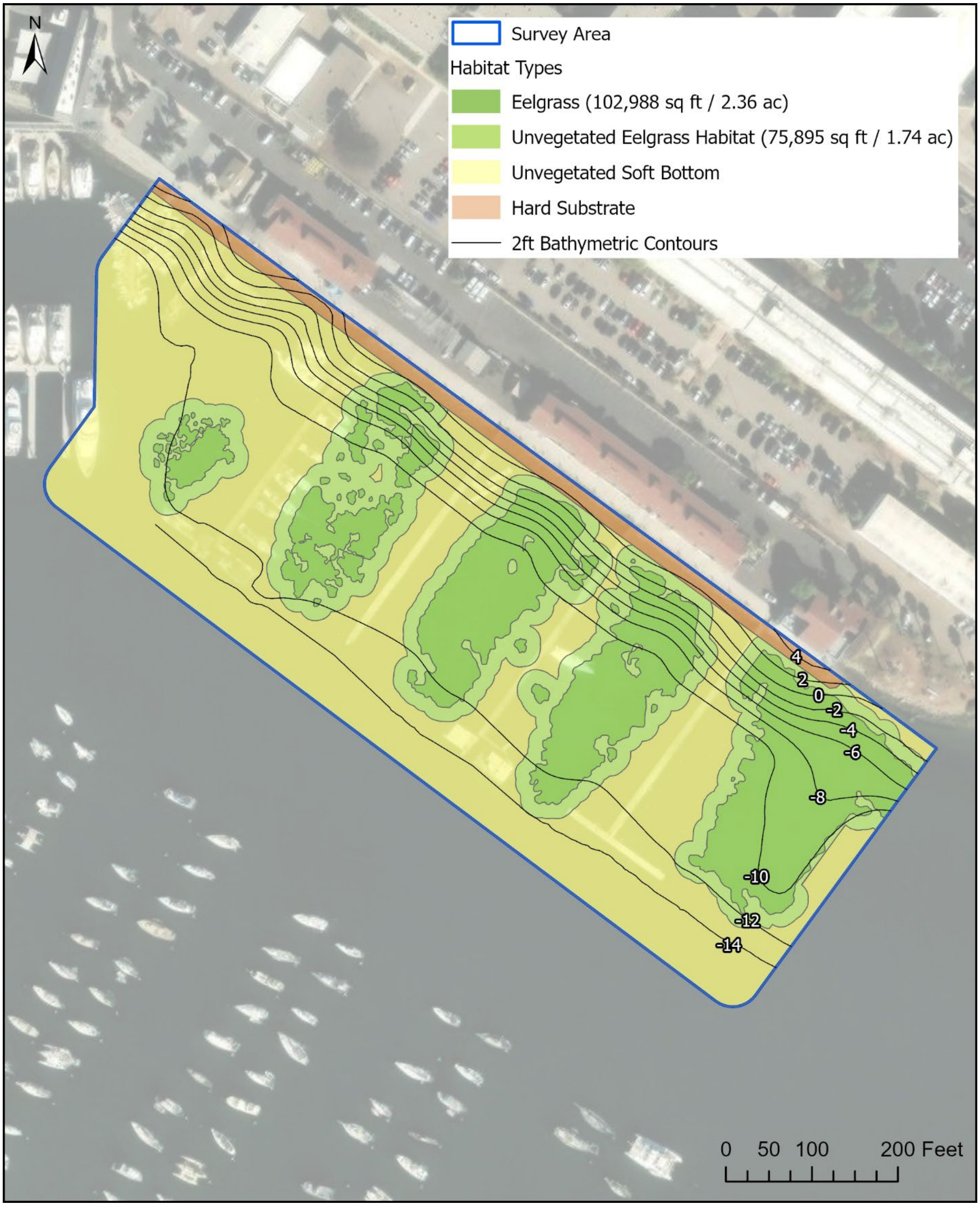


Figure 2. Map showing habitat types observed within the Project site during the side-scan sonar and SCUBA survey. Bathymetry provided by Port of San Diego.

3-2 Unvegetated Soft-Bottom Habitat

A large portion of the seafloor at the Project site was classified as unvegetated soft-bottom (Figure 2). The substrate consisted mostly of very fine sand and mud.

The unvegetated soft-bottom habitat was generally barren with minimal signs of bioturbation. Species observed over soft-bottom habitat included round rays (*Urobatis halleri*), tube dwelling anemones (*Pachycerianthus fimbriatus*), and red algae (*Gracilaria pacifica*).

3-3 Eelgrass Habitat

Approximately 102,989 (sq ft) (2.36 acres) of eelgrass and 75,896 sq ft (1.74 acres) of unvegetated eelgrass habitat occur within the Project site (Figure 2). In general, eelgrass was observed within fairways of the pre-existing docks. Eelgrass was observed in water depths ranging from approximately +1 to -13 feet MLLW. Eelgrass resources mapped are shown in Figure 2.

Vertebrate species observed in eelgrass habitat included shiner surfperch (*Cymatogaster aggregata*) and kelp bass (*Paralabrax clathratus*). The commercially important California spiney lobster (*Panulirus interruptus*) was also observed in eelgrass habitat. *Bunodeopsis* sp. anemones were observed attached to eelgrass blades throughout the Project site.

3-4 Hard Substrate Habitat

Hard substrates including piles, dock floats, and riprap were observed within the Project site (Figure 2). Piles and dock floats were present scattered throughout the Project site. Riprap was observed along the northeastern boundary of the Project site.

3-4.1 Piles

Piles within the Project site were composed of wood or metal (Figure 3). In general, species distribution among shallower portions of piles were more homogeneous, consisting of acorn barnacles (*Balanus glandula*), Pacific oysters (*Crassostrea gigas*), and minor amounts of California mussels (*Mytilus californianus*). These same species were observed in the upper portions of the piles and extended deeper into the water column. Lined shore crab (*Pachygrapsus crassipes*) were observed near the water's surface on piles. The middle and bottom portion of the pile invertebrate community was composed of tunicates (*Styela plicata, Ciona robusta, Styela clava, Styela montereyensis, and Botryllus schlosseri*), sponges (*Haliclona* spp.), invasive bryozoan (*Amathia verticillata*), and bryozoan (*Watersipora subtorqata*). Algae species observed associated with pile communities included sea lettuce (*Ulva* sp.), red alga (*Callophyllis* sp., *Gelidium coulteri*, and *Endocladua muricata*), brown alga (*Dictyopteris undulata* and *Ductyota flabellata*). Small individual giant kelp (*Macrocystis pyrifera*) stipes were observed attached to or near the base of piles within the Project site.

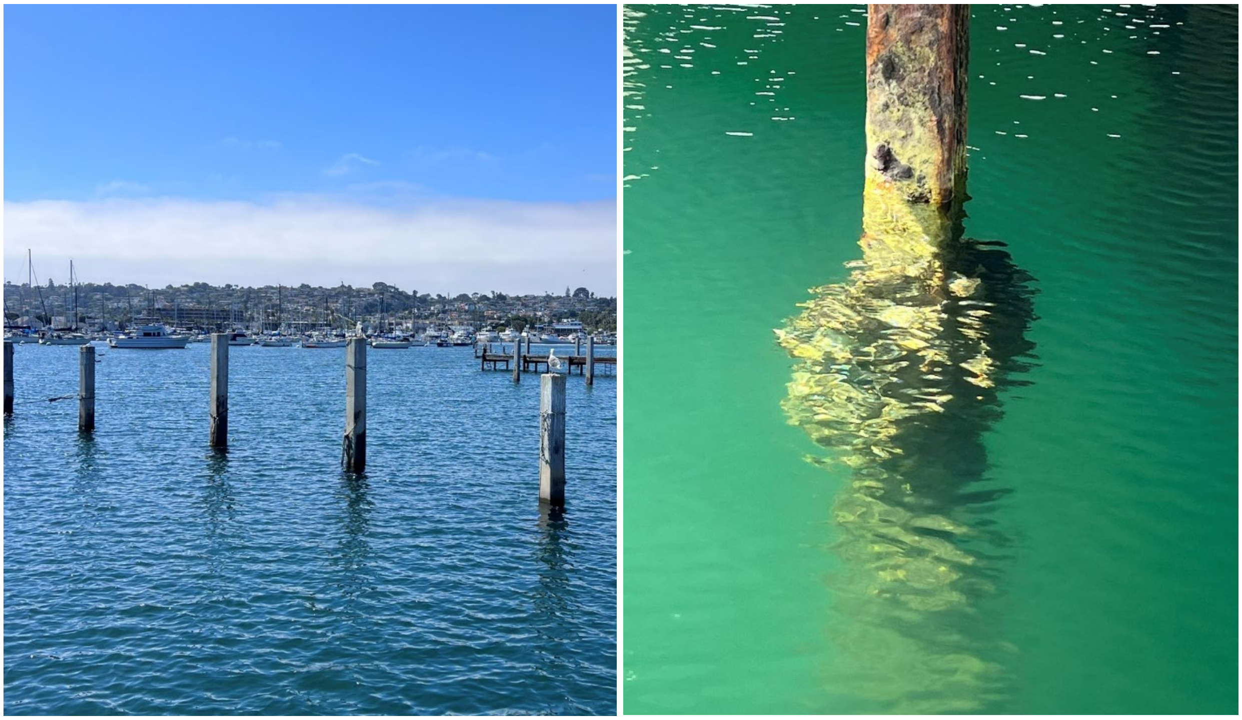


Figure 3. Representative above-water photos of piles (left) and growth at the surface of a pile (right)

3-4.2 Docks and Dock Floats

Dock structures and floats within the Project site were generally composed of similar species observed on upper portions of piles (Figure 4). Invertebrate species observed on this hard substrate included sponges, tunicates, Pacific oyster, barnacles, bryozoans, and occasional bay mussels (*Mytilus trossulus*).

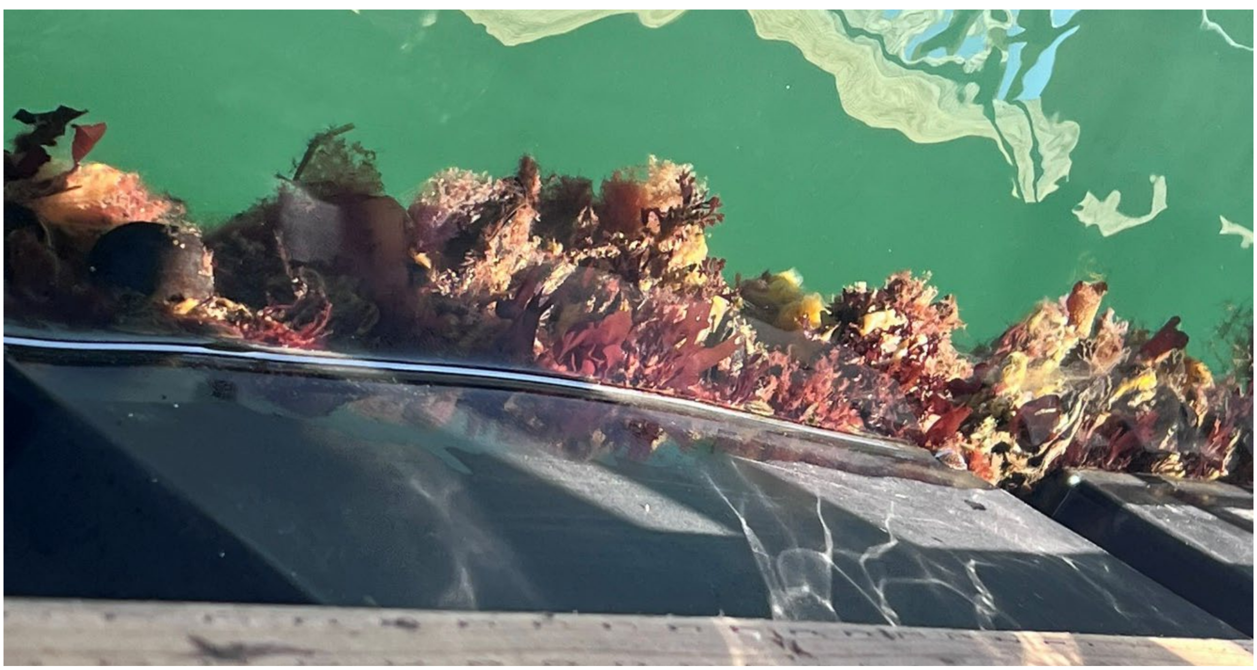


Figure 4. Picture of species growth on dock float structure.

3-4.3 Riprap

Riprap was observed along the northeastern portion of the Project site (Figure 5). Vertebrate species, opaleye (*Girella nigricans*) and topsmelt (*Atherinops affinis*) were observed swimming near riprap structures, seeking refuge within gaps of large rock. Pacific oysters were attached to rock in mid and low-intertidal portions of the riprap. Tunicate (*Styela clava*) was observed on deeper subtidal rock riprap substrate. Lined shore crabs were observed crawling over high inter-tidal riprap. Turf algae and red algae (*Callophyllis* sp.) were encrusting mid and low-intertidal portions of riprap. Additionally, invasive brown algae *(Sargassum muticum*) was growing on mid and deeper water riprap rock.

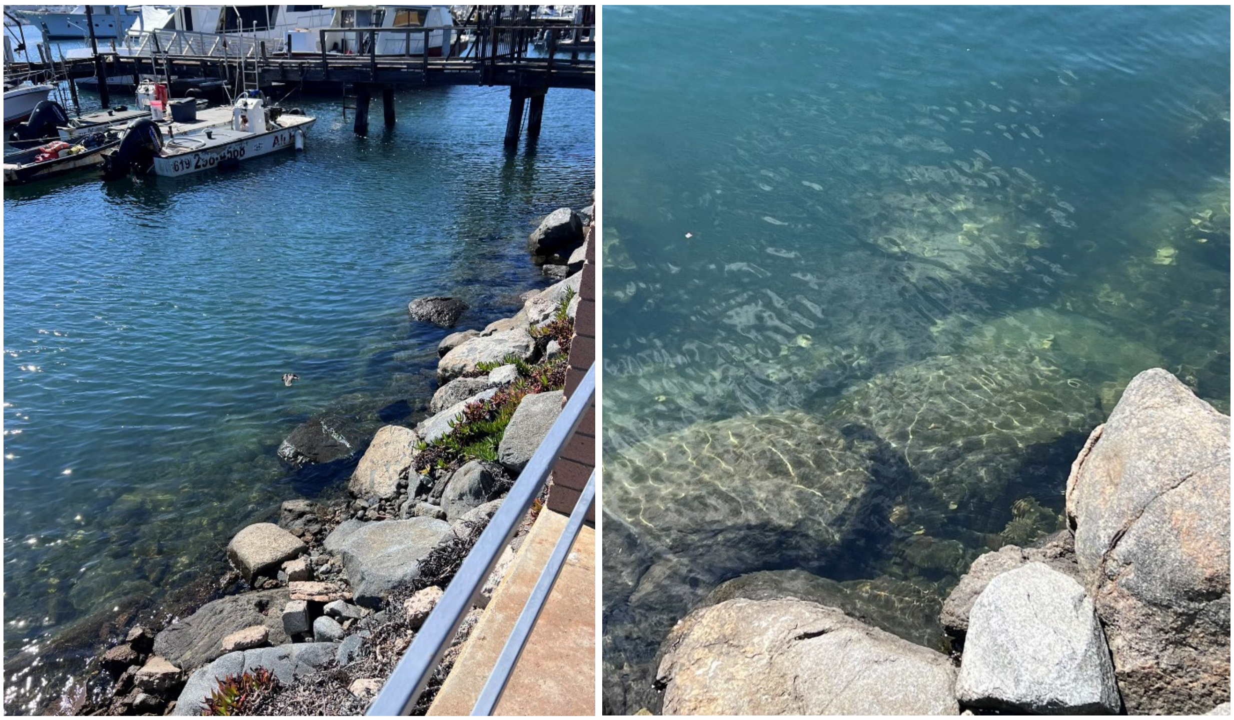


Figure 5. Photos of riprap within the Project site.

3-5 Sensitive Species

In addition to accounting for all marine species identified during the field survey, an assessment was also conducted to determine other sensitive species holding special or protected status that may occur within, or adjacent to, the designated Project site. Based on the species lists provided by USFWS and NMFS (USFWS 2023 and NMFS 2023a), an analysis of the range and habitat preferences of sensitive species that have a potential to occur within or nearby the Project site was completed (Table 2).

Table 2. Special status and protected species with the potential to occur within or near the Project site (USFWS 2023 and NMFS 2023a).

Common Name	Species Name	Conservation Status	Likelihood to Occur
	Marine Mammals		
Baird's Beaked Whale	*Berardius bairdii*	Protected	Not expected to occur
Blainville's Beaked Whale	*Mesoplodon densirostris*	Protected	Not expected to occur
Blue Whale	*Balaenoptera musculus*	Endangered	Not expected to occur
Bryde's Whale	*Balaenoptera edeni*	Protected	Not expected to occur
California Sea Lion	*Zalophus californianus*	Protected	Possible
Common Bottlenose Dolphin	*Tursiops truncatus*	Protected	Possible
Cuvier's Beaked Whale	*Ziphius cavirostris*	Protected	Not expected to occur
Dall's Porpoise	*Phocoenoides dalli*	Protected	Not expected to occur
Dwarf Sperm Whale	*Kogia sima*	Protected	Not expected to occur
False Killer Whale	*Pseudorca crassidens*	Protected	Not expected to occur
Fin Whale	*Balaenoptera physalus*	Endangered	Not expected to occur
Gray Whale	*Eschrichtius robustus*	Protected	Not expected to occur
Guadalupe Fur Seal	*Arctocephalus townsendi*	Threatened	Not expected to occur
Harbor Porpoise	*Phocoena phocoena*	Protected	Not expected to occur
Harbor Seal	*Phoca vitulina*	Protected	Not expected to occur
Humpback Whale	*Megaptera novaeangliae*	Endangered	Not expected to occur
Killer Whale	*Orcinus orca*	Endangered	Not expected to occur
Long-Beaked Common Dolphin	*Delphinus capensis*	Protected	Possible
Melon-Headed Whale	*Peponocephala electra*	Protected	Not expected to occur

Minke Whale	*Balaenoptera acutorostrata*	Protected	Not expected to occur
North Pacific Right Whale	*Eubalaena japonica*	Endangered	Not expected to occur
Northern Elephant Seal	*Mirounga angustirostris*	Protected	Not expected to occur
Northern Fur Seal	*Callorhinus ursinus*	Protected	Not expected to occur
Northern Right Whale Dolphin	*Lissodelphis borealis*	Protected	Not expected to occur
Pacific White-Sided Dolphin	*Lagenorhynchus obliquidens*	Protected	Not expected to occur
Pygmy Sperm Whale	*Kogia breviceps*	Protected	Not expected to occur
Risso's Dolphin	*Grampus griseus*	Protected	Not expected to occur
Rough-Toothed Dolphin	*Steno bredanensis*	Protected	Not expected to occur
Sei Whale	*Balaenoptera borealis*	Endangered	Not expected to occur
Short-Beaked Common Dolphin	*Delphinus delphis*	Protected	Not expected to occur
Short-Finned Pilot Whale	*Globicephala macrorhyncus*	Endangered	Not expected to occur
Sperm Whale	*Physeter macrocephalus*	Endangered	Not expected to occur
Spinner Dolphin	*Stenella longirostris*	Protected	Not expected to occur
Stejneger's Beaked Whale	*Mesoplodon stejnegeri*	Endangered	Not expected to occur
Steller Sea Lion (eastern population)	*Eumetopias jubatus*	Protected	Not expected to occur
Striped Dolphin	*Stenella coeruleoalba*	Protected	Not expected to occur
Sea Turtles			
Green Turtle	*Chelonia mydas*	Threatened	Possible
Leatherback Turtle	*Dermochelys coriacea*	Endangered	Not expected to occur
Loggerhead Turtle	*Caretta caretta*	Endangered	Not expected to occur
Olive Ridley Turtle	*Lepidochelys olivacea*	Endangered	Not expected to occur
Birds			
California Least Tern*	*Sterna antillarum browni*	Endangered	Possible
Coastal California Gnatcatcher	*Polioptila californica californica*	Threatened	Not expected to occur
Least Bell’s Vireo	*Vireo bellii pusillus*	Endangered	Not expected to occur
Western Snowy Plover*	*Charadrius nivosus nivosus*	Threatened	Not expected to occur

*Possible fly over for both species and possible foraging by California least tern.

Protected, rare, threatened, or endangered species that may occur within the region include green sea turtle (*Chelonia mydas*) (Federally Threatened) and California least tern (*Sterna antillarum browni*) (State and Federally Endangered). Mammals protected under the Marine Mammal Protection Act with potential to occur in San Diego Bay (Bay) include common bottlenose dolphin (*Tursiops truncatus*), long-beaked common dolphin (*Delphinus capensis*), and California sea lion (*Zalophus californianus*).

Green sea turtles (GST) are found throughout San Diego Bay which hosts a resident population of benthic-foraging juveniles and adults. The Project site lies within the proposed critical habitat designated by NMFS's latest report that is currently under review (NMFS 2023c). This area has been designated as having high conservation value due to migratory, foraging, and resting behavior of GST documented in the region. GSTs use narrow corridors that connect reproductive, foraging, and resting areas for adults. Obstruction of such corridors would interfere with migration, thus inhibiting recovery of the species. Foraging is less common in the northern portion of the Bay due to lower abundance of eelgrass; however, given the amount of eelgrass documented within the Project site there is potential for GST to utilize this area for foraging. Additionally, GST may use this area as they move towards foraging area in the southern portions of the Bay and nesting sites in Mexico (NMFS 2023c). Therefore, sightings of GST at the Project site are possible, but likely to be rare.

The California least tern is seasonally present in the Bay, from April to September. The two closest nesting areas are the San Diego Airport and the Naval Amphibious Base. The San Diego Airport nest site is approximately 1.5 miles (2.4 kilometers) away from the Project site; the Naval Amphibious Base nest site is approximately 2.5 miles (4.0 kilometers) away from the Project site. Estimates of foraging distance vary by location and have been summarized by Harvey and Associates (2012). Atwood and Minsky (1983) found that 60% of foraging trips were limited to within 2 miles of nesting sites. Steinbeck et al. (2005) found that 91% of surveyed birds within 3.5 miles of the colony and 98% within 4 miles. Due to the proximity of the Project site to local nesting sites in California least tern management area V (refer to USFWS 2006) it is possible that least terns may forage within the Project site. Where management area V refers to California least tern nesting sites located within the Bay at San Diego International Airport, Chula Vista Wildlife Reserve, D Street Fill, North Island Naval Air Station, Delta Beach, and Saltworks. Typical foraging habitat is within two miles of colony sites in relatively shallow nearshore ocean waters in the vicinity of major river mouths so it is possible for California least terns to forage within and near the Project site.

California sea lions do not breed in the Bay, but forage in the bay year-round. This species has potential to be found foraging in and transiting through the Project site. During the marine biological assessment survey, California sea lions were observed transiting through the Project site.

Common dolphin's and bottlenose dolphins have widespread distributions and are commonly observed in southern California nearshore environments. They are also often observed in the Bay, with sightings more concentrated in the northern part of the Bay (NAVFACSW 2016). These animals are often observed either swimming along shore or bow-riding vessels entering and leaving the Bay. Although the location of the Project site is close to the Bay entrance, the potential for the occurrence of these species within the Project site is low because dolphin species are rarely observed within highly modified shoreline environments. It is important to note that while dolphins may have a low potential for occurrence within the Project site, they may be observed within acoustic zones of influence and proper precautions must be taken during pile driving.

All other remaining pinnipeds and cetaceans have a very low potential for observation within the Project site. Many of these species are rarely seen along the San Diego coast and generally prefer habitats associated with less disturbance. Additionally, the relatively shallow water depth associated with the Project site, between +4 and -14 feet MLLW, would limit the ability for large marine mammals to transit easily within the Project site and further reduce the potential for their occurrence.

4 Essential Fish Habitat Assessment

This section provides an essential fish habitat (EFH) assessment for EFH located within the designated Project site. EFH includes coral reefs, kelp forests, bays, wetlands, rivers, and areas of the deep ocean that are necessary for fish reproduction, growth, feeding, and shelter. Essential fish habitat covers federally managed fish and invertebrates, but does not apply to freshwater species. The entirety of San Diego Bay, including the Project site, is designated as EFH (NOAA 2025). This EFH includes an evaluation of proposed actions from the Project that could potentially impact EFH. The following section discusses the legal background and purpose of an EFH for managed species, fisheries, and Habitat Areas of Particular Concern (HAPCs) with potential to occur within the Project site.

4-1 Essential Fish Habitat Background

The following EFH assessment for the proposed Project is provided in accordance with the 1996 amendments to the Magnuson-Stevens Fishery Management and Conservation Act (MSA) (Code of Federal Regulations (CFR) Title 50, Chapter VI, Part 600). The amendments require the delineation of “essential fish habitat” for all managed species. Federal action agencies which fund, permit, or carry out activities that may adversely impact EFH are required to consult with the NMFS regarding the potential effects of their actions on EFH and respond in writing to the NMFS’s recommendations.

The MSA defines EFH as “those waters and substrate necessary to fish for spawning, breeding, feeding, or growth to maturity.” For the purpose of interpreting the definition of essential fish habitat: “waters” includes aquatic areas and their associated physical, chemical, and biological properties that are used by fish and may include aquatic areas historically used by fish where appropriate; “substrate” includes sediment, hard bottom, structures underlying the waters, and associated biological communities; “necessary” means the habitat required to support a sustainable fishery and the managed species' contribution to a healthy ecosystem; and “spawning, breeding, feeding, or growth to maturity” covers a species' full life cycle. A healthy ecosystem is defined under the MSA as, “an ecosystem where ecological productive capacity is maintained, diversity of the flora and fauna is preserved, and the ecosystem retains the ability to regulate itself”.

The purpose of this EFH assessment is to comprehensively identify and analyze EFH occurring within the designated study area so that federal agencies can best determine whether the proposed Project would adversely affect designated EFH and identify possible conservation measures to avoid, minimize, or otherwise offset potential adverse effects to EFH. The MSA requires consultation for all federal agency actions that may adversely affect EFH. EFH consultation with NMFS is required by federal agencies undertaking, permitting, or funding activities that may adversely affect EFH, regardless of its location. Under Section 305(b)(4) of the MSA, NMFS is required to provide EFH conservation and enhancement recommendations to federal and state agencies for actions that adversely affect EFH. As such, the following EFH assessment, which includes an analysis of species managed by the Pacific Fishery Management Council (PFMC) that are known to utilize EFH within the study area, and an analysis of potential HAPCs within the study area, will provide all the information necessary for NMFS to conduct any future EFH consultations for the proposed Project.

4-2 Managed Fisheries with the Potential to Occur Within the Project Site

To adequately address EFH within the Project site, fish species managed by the PFMC that are known to either occur within the study area, have historically occurred within the study area, or depend upon those marine habitats that are known to occur within study area, were identified. This was accomplished through an analysis of the habitat requirements of PFMC managed fish species (McCain et al. 2005 and Love et al. 2002), and by running an analysis using the latest EFH GIS software regularly maintained and updated by NOAA Fisheries (NMFS 2023b). In all, 92 fish species managed by the PFMC were identified, including species managed under the Coastal Pelagic Species Fisheries Management Plan (FMP), which includes the Finfish FMP (Table 3), and species managed under the Pacific Groundfish FMP (Table 4). No species listed in the below tables were observed during the survey effort.

Table 3. Fish species under the Coastal Pelagic Species FMP.

Common Name	Species Name
Pacific sardine	*Sardinops sagax*
Pacific (chub) mackerel	*Scomber japonicus*
Northern anchovy	*Engraulis mordax*
Market squid	*Doryteuthis opalescens*
Jack mackerel	*Trachurus symmetricus*
Krill	*Euphausia pacifica* and *Thysanoessa spinifera*

Table 4. Fish species managed under the Pacific Coast Groundfish FMP.

Common Name	Species Name
Elasmobranchs	
Big skate	*Raja binoculata*
Leopard shark	*Triakis semifasciata*
Longnose skate	*Raja rhina*
Spiny dogfish	*Squalus suckleyi*
Roundfish	
Cabezon	*Scorpaenichthys marmoratus*
Kelp greenling	*Hexagrammos decagrammus*
Lingcod	*Ophiodon elongatus*
Pacific cod	*Gadus macrocephalus*
Pacific whiting (hake)	*Merluccius productus*
Sablefish	*Anoplopoma fimbria*
Rockfish	
Aurora rockfish	*Sebastes aurora*
Bank rockfish	*S. rufus*
Black rockfish	*S. melanops*
Black and yellow rockfish	*S. chrysomelas*
Blackgill rockfish	*S. melanostomus*
Blackspotted rockfish	*S. melanostictus*
Blue rockfish	*S. mystinus*
Bocaccio	*S. paucispinis*
Bronzespotted rockfish	*S. gilli*
Brown rockfish	*S. auriculatus*
Calico rockfish	*S. dallii*

Common Name	Species Name
California scorpionfish	*Scorpaena gutatta*
Canary rockfish	*Sebastes pinniger*
Chameleon rockfish	*S. phillipsi*
Chilipepper rockfish	*S. goodei*
China rockfish	*S. nebulosus*
Copper rockfish	*S. caurinus*
Cowcod	*S. levis*
Darkblotched rockfish	*S. crameri*
Deacon rockfish	*S. diaconus*
Dusky rockfish	*S. ciliatus*
Dwarf-red rockfish	*S. rufinanus*
Flag rockfish	*S. rubrivinctus*
Freckled rockfish	*S lentiginosus*
Gopher rockfish	*S. carnatus*
Grass rockfish	*S. rastrelliger*
Greenblotched rockfish	*S. rosenblatti*
Greenspotted rockfish	*S. chlorostictus*
Greenstriped rockfish	*S. elongatus*
Halfbanded rockfish	*S. semicinctus*
Harlequin rockfish	*S. variegatus*
Honeycomb rockfish	*S. umbrosus*
Kelp rockfish	*S. atrovirens*
Longspine thornyhead	*Sebastolobus altivelis*
Mexican rockfish	*Sebastes macdonaldi*
Olive rockfish	*S. serranoides*
Pink rockfish	*S. eos*
Pinkrose rockfish	*S. simulator*
Pygmy rockfish	*S. wilsoni*
Pacific Ocean perch	*S. alutus*
Quillback rockfish	*S. maliger*
Redbanded rockfish	*S. babcocki*
Redstripe rockfish	*S. proriger*
Rosethorn rockfish	*S. helvomaculatus*
Rosy rockfish	*S. rosaceus*
Rougheye rockfish	*S. aleutianus*
Sharpchin rockfish	*S. zacentrus*
Shortraker rockfish	*S. borealis*
Shortspine thornyhead	*Sebastolobus alascanus*
Silvergray rockfish	*Sebastes brevispinis*
Speckled rockfish	*S. ovalis*
Splitnose rockfish	*S. diploproa*
Squarespot rockfish	*S. hopkinsi*
Sunset rockfish	*S. crocotulus*
Starry rockfish	*S. constellatus*
Stripetail rockfish	*S. saxicola*
Swordspine rockfish	*S. ensifer*
Tiger rockfish	*S. nigrocinctus*
Treefish	*S. serriceps*
Vermilion rockfish	*S. miniatus*

Common Name	Species Name
Widow rockfish	*S. entomelas*
Yelloweye rockfish	*S. ruberrimus*
Yellowmouth rockfish	*S. reedi*
Yellowtail rockfish	*S. flavidus*
Flatfish	
Arrowtooth flounder (turbot)	*Atheresthes stomias*
Butter sole	*Isopsetta isolepis*
Curlfin sole	*Pleuronichthys decurrens*
Dover sole	*Microstomus pacificus*
English sole	*Parophrys vetulus*
Flathead sole	*Hippoglossoides elassodon*
Pacific sanddab	*Citharichthys sordidus*
Petrale sole	*Eopsetta jordani*
Rex sole	*Glyptocephalus zachirus*
Rock sole	*Lepidopsetta bilineata*
Sand sole	*Psettichthys melanostictus*
Starry flounder	*Platichthys stellatus*

4-3 Habitat Areas of Particular Concern (HAPC) Observed Within the Project Site

HAPCs are present within the Project site. HAPCs are a discreet subset of habitats within an EFH that are distinguished by characteristics including their high ecological value and vulnerability to anthropogenic stressors (Figure 6).

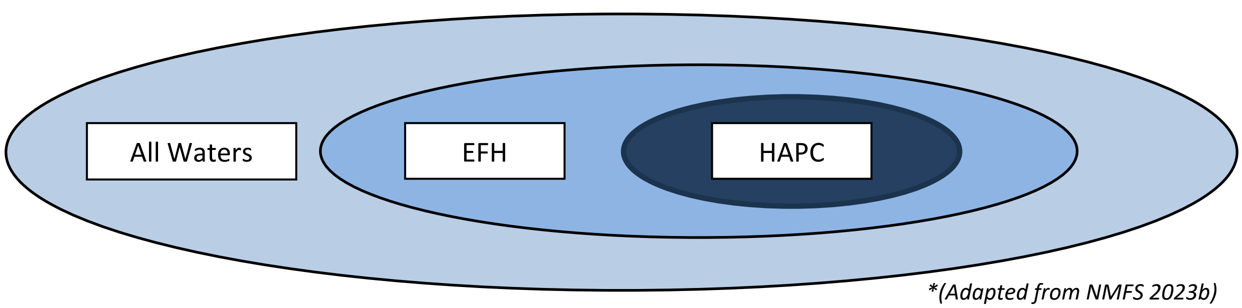


Figure 6. Figure depicting organization chart of essential fish habitat and habitats of particular concern.

Areas within designated EFH can also be designated as an HAPC based on one or more of the following characteristics (NMFS 2023b):

1) The importance of the ecological function provided by the habitat

2) Its sensitivity to human-induced environmental degradation

3) The extent of threats posed by development of the habitat

4) The rarity of the habitat type

HAPCs are considered high priority areas for conservation, management, or research because they are rare, sensitive, stressed by development, or important to ecosystem function (NMFS 2023b). The HAPC designation does not necessitate additional protections or restrictions upon an area, but the help to prioritize and focus conservation efforts (NMFS 2023b). Although these habitats are particularly important for healthy fish populations, other EFH areas that provide suitable habitats are also necessary to support and maintain sustainable fisheries and a healthy ecosystem (NMFS 2023b). Current HAPC types are estuaries, canopy kelp, seagrass, and rocky reefs.

The entirety of the Bay is listed as both an estuarine HAPC and a seagrass HAPC (NMFS 2023b). Estuaries are defined by an inland extent of saltwater intrusion where ocean-derived salts measure less than 0.5 ppt during the period of average annual low flow from a freshwater source. The Bay is considered a low-inflow estuary (Largier et al. 1996) due to low freshwater input. Dams and extensive use of groundwater over the past century in the Sweetwater and Otay Rivers have significantly reduced the input from these rivers to the Bay (WURMP 2003). Most of the freshwater input to the Bay is from surface runoff from urban areas and intermittent flow from rivers and creeks during rain events. The mean rainfall of 26 cm/ year mostly occurring in winter (Largier et al. 1996), results in categorizing the Bay as a low-inflow estuary. Additionally, eelgrass beds were observed throughout fairways within the Project site.

5 Laws and Regulations.

5-1 Federal

5-1.1 Coastal Zone Management Act of 1972

The Coastal Zone Management Act of 1972 is administered by the NOAA Office of Ocean and Coastal Resource Management, provides for management of the nation's coastal resources and balances economic development with environmental conservation.

The Coastal Zone Management Act outlines two national programs. The National Coastal Zone Management Program includes 34 coastal programs. The goal of these programs is to balance competing land and water issues in the coastal zone. The National Estuarine Research Reserve System creates field laboratories that provide a greater understanding of estuaries and how humans affect them. The overall program objectives of the act are to "preserve, protect, develop, and where possible, to restore or enhance the resources of the nation's coastal zone."

The Coastal Zone Management Act ensures that development projects in coastal areas are designed and permitted in a manner that is consistent with coastal zone land uses, maximizes public health and safety, and ensures that biological resources (e.g., wetlands, estuaries, beaches, and fish and wildlife and their habitat) within the coastal zone are protected. In California, the California Coastal Commission enforces the Coastal Zone Management Act by certifying that any proposed project is consistent with the California Coastal Act of 1976 (as amended). The enforceable policies of the Coastal Zone Management Act are found in Chapter 3 of the California Coastal Act.

5-1.2 Rivers and Harbors Act (Section 10)

The United States Army Corps of Engineers (USACE) is authorized to regulate any activity within or over any navigable water of the United States pursuant to Section 10 of the Rivers and Harbors Act. Rivers and Harbors Act Section 10 jurisdiction is defined as "those waters that are subject to the ebb and flow of the tide and/or are presently used, or have been used in the past, or may be susceptible for use, to transport interstate or foreign commerce" (33 Code of Federal Regulations 322). The Bay is considered a traditional navigable water regulated under Section 10 of the Rivers and Harbors Act.

5-1.3 Endangered Species Act of 1973

Species listed as endangered and/or threatened by the USFWS are protected under Section 9 of the federal Endangered Species Act, which forbids any person to "take" an endangered or threatened species. Take is defined in Section 3 of the act as "harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct." The U.S. Supreme Court ruled in 1995 that the term "harm" includes destruction or modification of habitat. Sections 7 and 10 of the Act may authorize "incidental take" for an otherwise lawful activity (a development project, for example) if it is determined that the activity would not jeopardize survival or recovery of the species. Section 7 applies to projects where a federally listed species is present and there is a federal nexus, such as a federal Clean Water Act (CWA) Section 404 permit (e.g., impacts on waters of the U.S.) that is required. Section 10, requiring an incidental take permit, applies when a federally listed species is present, but there is no federal nexus.

5-1.4 Magnuson-Stevens Fishery Management and Conservation Act, as amended 1996 (Public Law 104-267)

Federal agencies must consult with NOAA Fisheries on actions that may adversely affect EFH. EFH is defined as those "waters and substrate necessary to fish for spawning, breeding, feeding, or growth to maturity." NOAA Fisheries encourages streamlining the consultation process using review procedures under the National Environmental Policy Act, Fish and Wildlife Coordination Act, the CWA, and/or the federal Endangered Species Act (ESA) provided that documents meet requirements for EFH assessments under Section 600.920(g). EFH assessments must include (1) a description of the proposed action, (2) an analysis of effects, including cumulative effects, (3) the federal agency's views regarding the effects of the action on EFH, and (4) proposed mitigation, if applicable. The EFH is discussed in Section 5 of this report.

5-1.5 Marine Mammal Protection Act of 1972

The Marine Mammal Protection Act (MMPA) of 1972 prohibits, with certain exceptions, the take of marine mammals in U.S. waters and by U.S. citizens on the high seas, and the importation of marine mammals and marine mammal products into the United States. Congress passed the MMPA based on the following findings and policies: (1) some marine mammal species or stocks may be in danger of extinction or depletion as a result of human activities, (2) these species of stocks must not be permitted to fall below their optimum sustainable population level (depleted), (3) measures should be taken to replenish these species or stocks, (4) there is inadequate knowledge of the ecology and population dynamics, and (5) marine mammals have proven to be resources of great international significance.

The MMPA was amended substantially in 1994 to provide for: (1) certain exceptions to the take prohibitions, such as for Alaska Native subsistence, and for permits and authorizations for scientific research; (2) a program to authorize and control the taking of marine mammals incidental to commercial fishing operations; (3) preparation of stock assessments for all marine mammal stocks in waters under U.S. jurisdiction; and (4) studies of pinniped-fishery interactions. Additionally, under the 1994 amendments to the MMPA, harassment is statutorily defined as any act of pursuit, torment, or annoyance that:

- Has the potential to injure a marine mammal or marine mammal stock in the wild (Level A harassment); or
- Has the potential to disturb a marine mammal or marine mammal stock in the wild by causing disruption of behavior patterns, including, but not limited to migration, breathing, nursing, breading, feeding, or sheltering but which does not have the potential to injure a marine mammal or marine mammal stock in the wild (Level B harassment).

NOAA Fisheries and USFWS administer the MMPA. The proposed Project must be analyzed to ensure that marine mammals protected under the MMPA would not be harassed or injured as a result of future activities in or adjacent to the Bay. Any future Project activities that may result in Level A or B harassment, injury, or mortality would require consultation with NOAA Fisheries and USFWS under the MMPA.

5-1.6 Migratory Bird Treaty Act

The Migratory Bird Treaty Act (MBTA) was enacted in 1918 to prohibit the killing or transport of native migratory birds, or any part, nest, or egg of any such bird, unless allowed by another regulation adopted in accordance with the MBTA. Under the MBTA, "take" means to kill, directly harm, or destroy individuals, eggs, or nests or to otherwise cause failure of an ongoing nesting effort. Migratory bird species that are protected by the MBTA is maintained by USFWS, which regulates most aspects of the taking, possession, transportation, sale, purchase, barter, exportation, and importation of migratory birds. The USFWS does not issue permits for "incidental take" of migratory birds that results from otherwise lawful activities such as construction of development projects.

5-1.7 Clean Water Act

The major federal legislation governing water quality is the Federal Water Pollution Control Act Amendments of 1972, commonly known as the CWA (33 United States Code [USC] 1251–1376), as amended by the Water Quality Act of 1987. The intention of the CWA is to "restore and maintain the chemical, physical, and biological integrity of the nation's waters." Discharges into waters of the United States (WoUS) are regulated under CWA Section 404 and includes (1) all navigable waters (including all waters subject to the ebb and flow of the tide); (2) all interstate waters and wetlands; (3) all other waters, such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sand flats, wetlands, sloughs, or natural ponds; (4) all impoundments of waters mentioned above; (5) all tributaries to waters mentioned above; (6) the territorial seas; and (7) all wetlands adjacent to waters mentioned above. Important applicable sections of the CWA are discussed below.

- **Section 401** requires any federal permit applicant that proposes an activity that may result in a discharge into WoUS to obtain certification from the state that the discharge will comply with the CWA. A 401 certification is provided by the Regional Water Quality Control Board (RWQCB) assigned to the Project's region. A Section 401 certification from the San Diego RWQCB would be required this Project if a Section 404 permit and Rivers and Harbor Act (Section 10) permit is required.

- **Section 404** certification is required where USACE issues permits for discharge of dredged or fill material into WoUS. These permits typically include conditions to minimize impacts on water quality. Common conditions include: (1) USACE review and approval of sediment quality analysis before dredging; (2) a detailed pre- and post-construction monitoring plan that includes disposal site monitoring; and (3) requiring compensation for loss of WoUS.

5-1.8 California Eelgrass Mitigation Policy

Eelgrass, *Zostera* spp., is protected under the CWA as a habitat forming species and the resource is managed locally under the California Eelgrass Mitigation Policy (CEMP) as developed by NOAA Fisheries (NMFS 2014). Additionally, due to the high ecological value of eelgrass as essential fish habitat, eelgrass is also designated as a habitat area of particular concern (HAPC) by NOAA Fisheries. The CEMP requires that an eelgrass survey be performed prior to construction to evaluate the presence of eelgrass and or potential eelgrass habitat.

NMFS has provided this policy to other state and federal agencies, including the California Department of Fish and Wildlife (CDFW), as guidance for handling project-related impacts on eelgrass habitat.

5-1.9 Caulerpa Control Protocol

In September 2023, NOAA Fisheries was notified of an invasive algae species discovered in the Coronado Cays in south San Diego Bay. The algae, which is native to Florida and other subtropical and tropical locales, is scientifically known as *Caulerpa prolifera*. This is the first positive identification of *C. prolifera* on the U.S. West Coast and is closely related to the previously eradicated *Caulerpa taxifolia*, which was discovered in north San Diego County and determined to be successfully eradicated in 2006.

NOAA Fisheries believes any species of *Caulerpa* that is allowed to establish and spread within coastal areas may adversely impact local fisheries and disrupt eelgrass communities important to protected species. It can grow quickly, choking out native seaweeds and potentially harming marine life through loss of habitat. During the previous *Caulerpa taxifolia* eradication process, the Southern California Caulerpa Action Team (SCCAT) was formed. This team was made up of federal, state, and local governmental agencies, scientists, consultants, and local stakeholders. The SCCAT works quickly to identify the extent of any Caulerpa infestation and recommends immediate action should be taken to eradicate the species, by the development of a Rapid Response Eradication Plan (Eradication Plan). Eradication and survey efforts, consistent with the Eradication Plan.

The SCCAT developed the Caulerpa Control Protocol to detect existing infestations and avoid the spread of these invasive species to other systems. NOAA Fisheries and the RWQCB serve as the lead Federal and State agencies, respectively, for administering the Caulerpa Control Protocol. It outlines the certification, survey, and reporting guidelines required when surveying for all Caulerpa species in California nearshore coastal and enclosed bays, estuaries, and harbors from Morro Bay to the U.S./Mexican border. These guidelines apply to any bottom disturbing activities (e.g., pile driving, dredging, etc.) as those have the potential to fragment and spread Caulerpa. NOAA Fisheries and the RWQCB use the Caulerpa Control Protocol, in partnership with other resource and permitting agencies, as an important tool for conserving sensitive marine ecosystems, including eelgrass beds and other benthic habitats, and the important functions they provide.

5-2 State

5-2.1 California Coastal Act of 1976

California ports, harbors, and coastline beaches are recognized as primary economic and coastal resources and as essential elements of the national maritime industry by the California Coastal Act of 1976. Decisions to undertake specific development projects are to be based on consideration of alternative locations and designs to minimize any adverse environmental impacts. The California Coastal Act is implemented by the California Coastal Commission (CCC).

5-2.2 California Endangered Species Act; Fully Protected Species

The California Endangered Species Act (CESA) establishes the policy of the State to conserve, protect, restore, and enhance threatened or endangered species and their habitats. Projects that would jeopardize the continued existence of threatened or endangered species if reasonable and prudent alternatives are available should not be approved according to the CESA. For projects that affect both a state- and federally listed species, compliance with the federal ESA will satisfy the CESA if the CDFW determines that the federal incidental take authorization is consistent with the CESA under California Fish and Game Code Section 2080.1. Also, California Fish and Game Code Sections 3511, 4700, 5050, and 5515 prohibit the take or possession of fully protected species.

5-2.3 California Fish and Game Code

Other sections of the California Fish and Game Code establish the Fish and Game Commission, as authorized by Article IV, Section 20, of the Constitution of the State of California. Under Sections 200-221 the Fish and Game Commission is responsible for regulating the take of fish and game, not including the taking, processing, or use of fish, mollusks, crustaceans, kelp, or other aquatic plants for commercial purposes. The Fish and Game Commission does regulate aspects of commercial fishing, including fish reduction; shellfish cultivation; take of herring, lobster, sea urchins, and abalone; kelp leases; leases of state water bottoms for oyster allotments; and aquaculture operations. The resource protection is responsible for setting recreational and commercial limits on species collection, collection method, and determines the conditions under which permits, or licenses may be issued or revoked by CDFW. The Fish and Game Commission also oversees the establishment of wildlife areas and ecological reserves and regulates their use and sets policy for CDFW.

CDFW is a state agency that manages native fish, wildlife, plant species, and natural communities for their ecological value and their benefits to people. CDFW oversees the management of marine species through several programs, some in coordination with NMFS and other agencies.

5-2.4 Marine Life Protection Act

The Marine Life Protection Act of 1999 directs the state to redesign California's system of marine protected areas (MPAs) to function as a network in order to: increase coherence and effectiveness in protecting the state's marine life and habitats, marine ecosystems, and marine natural heritage, as well as to improve recreational, educational and study opportunities provided by marine ecosystems subject to minimal human disturbance. For the purposes of MPA planning, a public-private partnership commonly referred to as the Marine Life Protection Act (MLPA) Initiative was established, and the state was split into five distinct regions (four coastal and the San Francisco Bay) each of which had its own MPA planning process. All four coastal regions have completed these individual planning processes. As a result, the coastal portion of California’s MPA network is now in effect statewide. Options for a planning process in the fifth and final region, the San Francisco Bay, have been developed for consideration at a future date.

5-2.5 Marine Life Management Act

The Marine Life Management Act (MLMA), which became law on January 1, 1999, The MLMA applies not only to fish and shellfish taken by commercial and recreational fishermen, but to all marine wildlife. The MLMA shifts the burden of proof toward demonstrating that fisheries and other activities are sustainable. Greater management authority was delegated to the Fish and Game Commission and the CDFW. Instead of focusing on single fisheries management, the MLMA requires an ecosystem perspective including the whole environment. The MLMA strongly emphasizes science-based management developed with the help of all those interested in California's marine resources.

5-2.6 Porter-Cologne Water Quality Control Act

The Porter-Cologne Water Quality Control Act is the California or state equivalent of the federal CWA. It provides for statewide coordination of water quality regulations through the establishment of the State Water Resources Control Board (SWRCB) and nine separate RWQCBs that oversee water quality on a day-to-day basis at the regional/local level. The RWQCB regulates actions involving "discharging waste, or proposing to discharge waste, within any region that could affect the water of the state" (Water Code Section 13260(a)), pursuant to provisions of the Porter-Cologne Act. Waters of the state (WoS) are defined as "any surface water or groundwater, including saline waters, within the boundaries of the state" (Water Code Section 13050 (e)).

The RWQCB regulates WoS under Section 401 of the CWA. This requires states to certify that federally authorized activities comply with state water quality standards. A Water Quality Certification or a waiver must be obtained from the RWQCB if an activity requiring a Section 404 permit would affect WoS. Additionally, the RWQCB issues waste discharge requirements for discharges to WoS for fill of wetlands and other waters that are not regulated by Section 404 of the federal CWA.

5-3 Local

5-3.1 San Diego Unified Port District Port Master Plan

Through implementation of the Port Master Plan (PMP), the San Diego Unified Port District (District) maintains authority over tidelands and submerged lands conveyed in trust to the District by the California legislature. Any amendments to the PMP are first reviewed and adopted by the Board of Port Commissioners and then certified by the CCC, thereby allowing the District to issue coastal development permits for projects within its jurisdiction. The PMP provides for protection of biological resources and states that the District will remain sensitive to the needs of, and will cooperate with, other communities and other agencies in Bay and tideland development. The District is currently in the process of updating the current PMP, an effort often referred to as the Port Master Plan Update or PMPU.

5-3.2 San Diego Bay Integrated Natural Resources Management Plan

The Integrated Natural Resources Management Plan (INRMP) is a long-term strategy sponsored by the U.S. Navy and the District. Its intent is to provide direction for the management of natural resources while also supporting the ability of the Navy and District to meet their missions and continue functioning within the Bay. The main strategies of the plan are to (1) manage and restore habitats, populations, and ecosystem processes; (2) plan and coordinate projects and activities so that they are compatible with natural resources; (3) improve information sharing, coordination, and dissemination; (4) conduct research and long-term monitoring that supports decision-making; and (5) put in place a Stakeholder's Committee and Focus Subcommittees for collaborative, ecosystem-based problem-solving in pursuit of the goal and objectives.

5-3.3 Port of San Diego Environmental Mitigation Property (BPC Policy No. 735)

Board of Port Commissioners (BPC) Policy 735 establishes a policy for the allocation of environmental mitigation property within District Tidelands. Environmental mitigation property refers to land, water area, natural or constructed habitats, credit for the removal of shading over open water, or other assets, held in trust by the District and that could be used to offset the environmental impacts of projects. The District recognizes the demand for mitigation property within Tidelands for capital development projects and major maintenance pursuant to the District's land-use obligation (as defined in Section 4 of the San Diego Unified Port District Act). The District also recognizes that the demand for environmental mitigation property for non-District funded projects is increasing. It is the policy of the District that property suitable for mitigation, which is held in trust by the District, will be retained for District-funded capital development and major maintenance projects. Due to the limited area of mitigation property available to the District, each project requiring mitigation shall be evaluated through an administrative procedure as described in BPC Policy No. 735 to ensure that environmental mitigation property is only used for the most appropriate project. Further, unused mitigation land and new mitigation opportunities on District tidelands that are not encumbered by a project will be under the control of the District and will be added to the District's accounting of available mitigation property.

5-3.4 San Diego Unified Port District Code, Article 10

District Code, Article 10, the District Stormwater Management and Discharge Control Ordinance, prohibits the deposit or discharge of any chemicals or waste to the tidelands or San Diego Bay and makes it unlawful to discharge pollutants directly into non-stormwater or indirectly into the stormwater conveyance system. Article 10 also requires the implementation of best management practices (BMPs), stormwater plans, and other measures, as appropriate to control the discharge of pollution to tideland or receiving waters. Where enforcement is required to maintain compliance, the District will use its enforcement authority established by Article 10. The article enables the District, including District inspectors, to prohibit discharges and require BMPs so that discharges on tidelands do not cause or contribute to water quality problems. Article 10 establishes enforcement procedures to ensure that responsible dischargers are held accountable for their contributions and/or flows.

6 Project Impact Analysis

The following significance criteria are based on Appendix G of the State of California Environmental Quality Act (CEQA) Guidelines and provide the basis for determining the significance of biological resource impacts resulting from the proposed Project. The determination of whether a biological resource impact would be significant is based on the threshold described below and the professional judgment and recommendations of qualified MTS personnel.

Impacts are considered if the proposed Project would result in any of the following.

Threshold 1: Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service.

Threshold 2: Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by CDFW, NMFS, or USFWS.

Threshold 3: Result in substantial interference with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impedance of the use of native wildlife nursery sites.

Threshold 4: Conflict with any applicable local policies or ordinances protecting biological resources, or with the provisions of an applicable adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or State habitat conservation plan.

6-1 Project Impacts and Mitigation Measures

The proposed Shelter Island Commercial Fishing Wharf Project is summarized by the following waterside elements:

- Removal of existing 18,306 sq ft of overwater structures including all support supported piles, mooring piles, abutments, and floating docks.
- Removal of 461 piles of various sizes and materials.
- Installation of 37,039 sq ft of new piers 4, 5, 6, 7, and 8, and floating wave attenuator with concrete dock system including the main walk and all piles.
- Installation of 149 concrete piles of various size.
- Installation of pile supported gangway and ramp platforms.

A breakdown of overwater cover, pile type, and pile count that are existing and proposed is presented in Table 5.

Table 5. Summary table of existing and proposed overwater cover and pile count. Table includes the total change of overwater cover and piles relative to Project components.

Component	Overwater Cover (sq ft)			Pile Type	# of Piles		
	Existing	Proposed	Change		Existing	Proposed	Change
Pier 4	3553	3717	164	12-inch square concrete	83	16	-67
				16-inch square concrete	0	14	14
Pier 5	4510	6502	1992	12-inch square Steel rail	54	0	-54
				Encased timber pile	6	0	-6
				12-inch steel pipe	2	0	-2
				20-inch steel pipe	2	0	-2
				12-inch square concrete	31	3	-28
				16-inch round concrete	0	21	21
Pier 6	3149	3006	-143	Steel rail	66	0	-66
				12-inch square concrete	29	4	-25
				16-inch round concrete	0	4	4
Pier 7	3934	6076	2142	Steel rail	66	0	-66
				12-inch square concrete	33	4	-29
				16-inch round concrete	0	15	15
Pier 8	2890	5952	3062	Steel rail	54	0	-54
				12-inch square concrete	35	4	-31
				16-inch round concrete	0	19	19
Main Walk	0	8541	8541	16-inch round concrete	0	15	15
Floating Wave Attenuator	0	3245	3245	24-inch square concrete	0	30	30
Total	**18036**	**37039**	**19003**		**461**	**149**	**-312**

Total permanent overwater coverage would increase by 19,003 sq ft. The revised dock layout shades 8,036 sq ft (0.18 acre) of eelgrass resources (Figure 7). Additionally, assuming all slips were filled with vessels 100% of the time, additional impacts related to vessel birthing could impact an additional 11,703 sq ft (0.27 acre)of eelgrass resources (Figure 7).

Figure 7. Map showing existing eelgrass resources relative to the proposed dock layout including proposed wave attenuator. The figure includes impacts for shading by the proposed dock structure.

6-1.1 Impacts and Mitigation Summary

A summary of the potential impacts and associated mitigation measures is provided below. Each of the impacts and mitigation measures are discussed in further detail in the sections that follow. Numbering of impacts and mitigation measures in this technical report may not align with numbering with the EIR.

Impact-1: Pile driving-induced noise impacts can disrupt foraging behavior of California least tern and other piscivorous avian species.

Mitigation-1: Perform construction outside of the California least tern nesting season or implement construction monitoring and avoidance measures to eliminate noise impacts to California least tern.

Impact-2: Construction noise impacts on nesting behavior of marine dependent species or other species protected under the MBTA and California Fish and Game Code.

Mitigation-2: Perform construction outside of the nesting season or implement construction monitoring and noise avoidance measures as necessary to reduce noise impacts on sensitive nesting avian species.

Impact-3: Pile driving could generate in-water noise levels that could injure (Level A harassment) or alter the behavior (Level B harassment) of marine mammals, green sea turtles, and fishes.

Mitigation-3: Implement a marine mammal and green sea turtle monitoring program during pile installation activities.

Impact-4: Increased water turbidity from disturbance of submerged sediments during in-water construction such as pile driving would limit the ability of protected piscivorous avian species, green sea turtle, and fish to locate prey and can disrupt eelgrass productivity.

Mitigation-4: Implement construction measures to eliminate water quality impairment impacts on birds, fish, green sea turtles, and eelgrass. Construction measures include contractor education, utilization of depth sounders to avoid shallow waters wherever feasible, appropriate spill kits onsite, and the use of a silt curtain during bottom disturbing activities.

Impact-5: Permanent overwater coverage from new overwater structures would reduce available open water foraging space for protected avian species and depress primary production of surrounding waters. This shading will also impact a portion of the eelgrass present at the site.

Mitigation-5: For the increase in overwater cover, either or in tandem can implement the following measures: reduce overwater cover within another area of San Diego Bay, utilize credits held by the Port of San Diego for past removal of overwater cover, or implement eelgrass or wetland restoration at a 1:1 ratio. For impacts to eelgrass additional establishment and maintenance of a mitigation area according to the CEMP at a 1.2:1 mitigation to impact ratio (NMFS 2014).

Impact-6: The proposed Project construction may result in a conflict with the San Diego Bay INRMP by resulting in adverse effect on special-status species or sensitive habitats.

Mitigation-6: Implementation of Mitigation-1 through Mitigation-5 will reduce to the maximum extent feasible impacts to special-status species or sensitive habitats.

6-1.2 Threshold 1 – Marine Species

In general, construction activities from implementation of the proposed Project could cause construction-induced noise, increases in turbidity, and release of particulates and chemicals of concern into U.S. and State waters.

6-1.2.1 Construction Noise Impact on Marine Resources

The use of large machinery for construction and demolition as well as pile driving could result in construction-induced noise impacts that could alter the behavior of protected species. These impacts could occur from construction activities such as hammering, drilling, operation of heavy construction equipment, or unloading building materials. Construction-induced noise impacts from landside construction activity and overwater construction activities such as pile driving could disrupt the foraging behavior of the California least tern if construction occurs during the California least tern nesting season. Other sensitive piscivorous avian species such as brown pelican can similarly be impacted. This would be considered a significant impact without mitigation (**Impact-1**). Construction noise can also impact species protected under the MBTA and California Fish and Game Code. For instance, marine dependent avian species such as the black-crowned night heron nest in trees or buildings near shore where their nesting activities could be disturbed by construction noise. Disturbance can cause nesting birds to abandon nest sites or alter nesting behavior in ways that lower nesting success. This would be considered a significant impact without mitigation (**Impact-2**). In-water construction associated with proposed construction could generate enough underwater noise to physically injure marine mammals, sea turtles, and fishes, should impact hammer or vibratory pile driving occur during construction. Any noise related impacts would be dependent on the type of activity being performed, the proximity to marine waters, and the biology of the considered species. In-water impact hammer or vibratory pile driving activity could potentially generate enough underwater noise to injure (Level A Harassment) or alter behavior (Level B Harassment) for marine mammals, green sea turtles, and fishes. Additionally, in-air acoustic impacts from construction could occur if pinnipeds are hauled out near noise-generating activities. In-water and in-air acoustic impacts are therefore considered significant without mitigation (**Impact-3**).

6-1.2.1.1 Airborne Noise Impacts

As discussed above, activities such as pile driving have the potential to create adverse noise impacts on marine wildlife. Illingworth & Rodkin, Inc. (I & R 2025) analyzed noise levels associated with noise-generating activities associated with the Project. The full acoustic report is included as Appendix B.

In-air acoustic impacts are only calculated for marine mammals that would haul out of the water (i.e. pinnipeds (seals and sealions). The behavioral disturbance acoustic thresholds and in-air auditory injury criteria for pinnipeds are summarized in I & R 2025. Disturbance and injury thresholds were calculated for 24-inch concrete piles. Since the 24-inch concrete piles represent the greatest potential sound generated by impact pile driving the 12-inch and 16-inch piles were not evaluated (Table 6). The greatest calculated distance for behavioral disturbance is 69 m at 90 decibels (dB) root-mean-square (RMS). The minimum distance for auditory injury over a 24-hour cumulative sound exposure level (SEL) is 11 m.

Table 6. Distance to RMe thresholds for impact pile driving on pinnipeds.

Pile Type	Species/Hearing Group	Distance (m): Auditory Injury Thresholds[1] Peak 162 dB Phocid 177 dB Otariid	Distance (m): Auditory Injury Thresholds[1] $SEL_{cum, 24h}$ 140 dB Phocid 163 dB Otariid	Distance (m): Behavioral Thresholds[1] 100 dB RMS	Distance (m): Behavioral Thresholds[1] 90 dB RMS
24-inch Concrete	Phocid Pinnipeds (including harbor seals)	--[2]	11	22	69
	Otariid Pinnipeds	--[2]	--[2]		

[1] Peak sound pressure (Peak) and RMS has a reference value of 20 µPa (in air) while the weighted cumulative sound exposure level has a reference value of 20 μPa^2s (in air).
[2] Within the near-field of the sound source < 15 m [50 ft]

6-1.2.1.2 Hydroacoustic Noise Impacts

In-water sound pressure levels are summarized by activity in Table 7. Significance criteria related to marine mammals, fish, and GST are summarized in I & R 2025.

The I & R 2025 assessment of underwater sound levels associated with different in-water construction activities were analyzed for impact pile driving of concrete piles with and without jetting. The pulling of piles was not evaluated as those in-water activities were not anticipated to generate sound levels elevated enough to cause injury or harassment.

The isopleths for the different categories of marine mammals within which take can occur are shown in Table 8. Both unattenuated with and without jetting are provided. The greatest distance for Level B harassment is associated with unattenuated impact pile driving of 24-inch round concrete piles, at 293 m. The Level A injury zone for marine mammals is greatest for unattenuated impact pile driving without jetting (“No jetting”) of 12-inch and 24-inch piles, at 28 m and 69 m for low-frequency cetaceans and 44 m and 107 m for very high-frequency cetaceans, respectively.

Construction noise impacts to fishes results in both behavioral modification or injury at different levels depending on pile type (Table 9). Behavioral modifications were calculated using RMS and the impact zones were calculated for unattenuated distances with no jetting as 159 m for impact driving 12-inch concrete piles, 159 m for impact driving 16-inch concrete piles, and 1,359 m for impact driving 24-inch concrete piles. The greatest distances for injury (cumulative SEL at 183 dB) are 29 m for 12-inch piles, 20 m for 16-inch piles, and 70 m 24-inch piles. Unattenuated impact pile driving with jetting resulted in shorter distances for behavioral modifications or auditory injury of fish to occur.

Impacts of noise on GST were also calculated (Table 10). No distance resulted from the calculation of far-field predictions for potential sound exposure from impact pile driving of 12-inch or 16-inch piles. The unattenuated distance for impact pile driving of 24-inch piles is 29 m without jetting and 17 m with or without jetting. Cumulative SEL threshold was calculated for impact pile driving. The greatest distances for injury (cumulative SEL at 184 dB) are 24 m for 12-inch piles, 17 m for 16-inch piles, and 59 m 24-inch piles. Unattenuated impact pile driving with jetting resulted in shorter distances for behavioral modifications or auditory injury of GST to occur.

Table 7. Table summarizing measured levels for activities generating underwater sound impacts (I&R 2025).

Structure	Pile Type (all concrete)	Estimated Blows Per Pile	Piles per Day	Total Number of Piles	Pile Driving Method	Sound Pressure Level in dB at 10m Distance From Pile			TL*	Source Sound Levels
						Peak	RMS	SELss		
Pier 4	16-inch square	240	4	14	Impact	193	168	160	15	16-inch concrete piles driven at Westside Boat Launch Bodega Bay, CA (Caltrans 2020)**
	12-inch square	240	4	16	Impact	193	168	160	15	
Pier 5	16-inch round	95	6	21	Impact	193	168	160	15	
	12-inch square	240	4	3	Impact	193	168	160	15	
Pier 6	16-inch round	95	6	4	Impact	193	168	160	15	
	12-inch square	240	4	4	Impact	193	168	160	15	
Pier 7	16-inch round	95	6	15	Impact	193	168	160	15	
	12-inch square	240	4	4	Impact	193	168	160	15	
Pier 8	16-inch round	95	6	19	Impact	193	168	160	15	
	12-inch square	240	4	4	Impact	193	168	160	15	
Main Walk	16-inch round	95	6	15	Impact	193	168	160	15	
Floating Wave Attenuator	24-inch square	145	4	30	Impact	195	182	168	15	Average of measurements that were conducted for 6 piles on 3 separate days at USCG Homeport LA/LB base in Long Beach

* Coefficient of the transmission loss, expressed as a Log_{10} function of the increasing distance from the sound source.

**Insufficient data for 12-inch piles. The data for 16-inch piles is used conservatively as a source level for both 12- and 16-inch piles

Table 8. Table summarizing distances to the adopted marine mammal thresholds for different construction activities and associated Level A and B zones (I&R 2025).

Pile Driving Method	Pile Type	Size	Piles per Day	No. of Strikes per Pile	Condition[a]	Level A Injury Zone (m [ft]) (using SELcum Threshold)					Level B Harassment Zone
						Cetaceans			Pinnipeds		
						LF	HF	VHF	PW	OW	
Impact	Square Concrete	12-inch	4	240	Unattenuated No Jetting	28 m [93 ft]	--[b]	44 m [144 ft]	25 m [83 ft]	10 m [33 ft]	34 m [112 ft]
					Unattenuated with Jetting	18 m [59 ft]	--[b]	28 m [91 ft]	16 m [52 ft]	--[b]	
Impact	Round Concrete	16-inch	6	95	Unattenuated No Jetting	20 m [66 ft]	--[b]	31 m [102 ft]	18 m [58 ft]	--[b]	34 m [112 ft]
					Unattenuated with Jetting	16 m [51 ft]	--[b]	24 m [79 ft]	14 m [45 ft]	--[b]	
Impact	Round Concrete	24-inch	4	145	Unattenuated No Jetting	69 m [227 ft]	--[b]	107 m [351 ft]	62 m [202 ft]	23 m [75 ft]	293 m [961 ft]
					Unattenuated with Jetting	49 m [159 ft]	--[b]	75 m [246 ft]	43 m [141 ft]	16 m [53 ft]	

Table 9. Table summarizing the distance to adopted fish thresholds for construction activities (I&R 2025).

Pile Driving Method	Pile Type	Size	Piles per Day	No. of Strikes per Pile	Condition[a]	Distance to Adopted Fish Thresholds (m [ft])				
						Peak 206 dB	RMS 150 dB	Cumulative SEL 203 dB	Cumulative SEL 187 dB	Cumulative SEL 183 dB
Impact	Square Concrete	12-inch	4	240	Unattenuated No Jetting	--[b]	159 m [520 ft]	--[b]	15 m [51 ft]	29 m [94 ft]
					Unattenuated with Jetting	--[b]	159 m [520 ft]	--[b]	10 m [32 ft]	18 m [59 ft]
Impact	Round Concrete	16-inch	6	95	Unattenuated No Jetting	--[b]	159 m [520 ft]	--[b]	11 m [36 ft]	20 m [66 ft]
					Unattenuated with Jetting	--[b]	159 m [520 ft]	--[b]	9 m [28 ft]	16 m [51 ft]
Impact	Round Concrete	24-inch	4	145	Unattenuated No Jetting	--[b]	1,359 m [4,460 ft]	--[b]	38 m [124 ft]	70 m [228 ft]
					Unattenuated with Jetting	--[b]	1,359 m [4,460 ft]	--[b]	26 m [87 ft]	49 m [160 ft]

[b] Within the near-field of the sound source < 10 m [33 ft]

Table 10. Table summarizing the distance to adopted green sea turtle thresholds (I&R 2025).

Pile Driving Method	Pile Type	Size	Piles per Day	No. of Strikes per Pile[a]	Condition[a]	Distance to Sea Turtle Threshold			
						Peak	RMS	Cumulative SEL	
						230 dB[b]	175 dB[b]	184 dB[b]	198 dB[c]
Impact	Square Concrete	12-inch	4	240	Unattenuated No Jetting	0m [0 ft]	--[d]	24 m [80 ft]	N/A
					Unattenuated with Jetting	0m [0 ft]	--[d]	15 m [50 ft]	N/A
Impact	Round Concrete	16-inch	6	95	Unattenuated No Jetting	0m [0 ft]	--[d]	17 m [56 ft]	N/A
					Unattenuated with Jetting	0m [0 ft]	--[d]	13 m [43 ft]	N/A
Impact	Round Concrete	24-inch	4	145	Unattenuated No Jetting	0m [0 ft]	29 m [96 ft]	59 m [195 ft]	N/A
					Unattenuated with Jetting	0m [0 ft]	29 m [96 ft]	42 m [137 ft]	N/A

[b] For impulsive sound sources
[c] For continuous sound sources
[d] Within the near-field of the sound source < 10 m [33 ft]

6-1.2.2 *Construction Noise Mitigation Measures for Marine Resources*

Mitigation measures for reducing noise related impacts on foraging California least tern and other sensitive piscivorous avian predators during nesting season (**Impact-1**) include construction monitoring during the nesting season (**Mitigation-1**). If impact, vibratory, or jetting pile driving activities occur during the nesting season (April 1 – September 15), a qualified biologist would monitor during pile driving activities with potential to result in noise induced harassment. The monitor would have the ability to reduce or temporarily stop noise producing activities if those activities were believed to impact or otherwise alter foraging behavior of sensitive avian species within the Project site during the nesting season. The monitor would observe all areas within a 100 ft buffer of construction. The Project applicant shall take specific actions, as approved by the District, to reduce or temporarily stop noise-producing activities if the qualified biologist identifies that the activities are impacting the foraging behavior of sensitive avian species. These actions shall include (where appropriate), but not be limited to, the installation of sound barriers, reducing intensity of pile driving, and restricting pile driving to periods when sensitive avian species are not present. Implementation of **Mitigation-1** would reduce impacts to foraging California least terns and other sensitive piscivorous avian predators during the nesting season to less than significant by minimizing the effects of noise producing activities that could alter foraging behavior.

While disturbance of nesting marine dependent avian species (**Impact-2**) is not anticipated due to the lack of nesting habitat within the Project site. Disturbance can be minimized by ensuring that nesting bird behavior is not modified during construction activities that generate loud noises. Project proponents would be required to retain a qualified biologist to perform a nesting bird survey within 500 feet of the noise generating activity one week prior to the start of construction utilizing heavy equipment, and if nests are found, survey once per week during construction until use of heavy equipment ceases (**Mitigation-2**). Regulatory agencies could consider a reduced frequency of avian surveys due to the urban nature of the site and low likelihood of sensitive species nesting there. If noise levels are anticipated to be 10dBA or greater above ambient background noise levels within the vicinity of an active nest, the qualified biologist shall establish a no - disturbance buffer around each nest until the nesting individuals have fledged. The disturbance buffer will be determined by the qualified biologist dependent upon the species nesting and the noise acceptability exhibited by the bird. If noise effects cannot be minimized, construction shall be altered, to the extent necessary and as approved by the District to ensure that impacts to the nesting species are negligible. Implementation of **Mitigation-2** would reduce impacts on nesting marine dependent avian species to less than significant by implementing the measures to minimize noise impacts on active nests.

Potential impacts on fish, marine mammals, and GST (**Impact-3**) can be minimized by implementing the various measures required under mitigation measure **Mitigation-3**. This mitigation measure describes monitoring of hauled out marine mammals whenever noise generating activities are in excess of 90 dB root mean square (RMS) for harbor seals and 100 dB RMS for non-harbor seals (sea lions) at the haul out locations. The monitoring distances from the noise source are dependent upon the size of pile installed and if jetting is allowed and implemented. For 12-inch and 16-inch concrete piles, a 150 ft survey buffer of the noise source is recommended. For 24-inch concrete piles, a 970 ft monitoring buffer from the noise source is recommended. The recommended monitoring buffers are based on calculated Level B harassment zones per pile size. These criteria are established by NOAA NMFS as noise levels for a Level B harassment (behavior alteration) of marine mammals when those mammals are hauled out. Protecting marine mammals against Level B harassment when hauled out also ensures protection against Level A harassment (injury).

If marine mammals are hauled out within the zone where sound thresholds are exceeded, then the biological monitor will notify the contractor to halt or alter the noise generating activity such that construction noise is at or below 90 dB RMS or 100 dB RMS for harbor seals and non-harbor seals, respectively. For portions of the proposed Project that generate in water noise such as impact and vibratory pile driving, the biological monitor will monitor for marine mammals in the water within isopleth distances calculated to be within the range of sound thresholds established by NOAA NMFS for Level A and Level B harassment of marine mammals (NMFS 2018). Like monitoring for hauled out animals, the biological monitor will have the authority to halt or modify work based on animal observations relative to monitoring isopleths. GST will be monitored using the maximum calculated isopleth for Level B harassment of GST (Table 10, Illingworth & Rodkin 2025).

In addition, Project activities where impact hammer and vibratory pile driving occurs shall utilize a soft start for pile driving. This generally means three pile strikes at reduced (approximately 50%) force, then waiting 30 seconds. This is repeated three times before starting pile driving at full force. This measure provides time for marine mammals, GST, and fishes to disperse from the sound source area in the event that the sound is a source of stress for the animal. Implementation of **Mitigation-3** would reduce impacts to less than significant.

6-1.2.3 Construction Water Quality Impacts on Marine Resources

Construction activities associated with pile driving activities and pier construction could increase levels of turbidity in waters within the Bay in the absence of regulations. This could occur either during activities such as pile driving, incidentally during vessel contact with bottom substrate, and by propeller wash in shallower water. Increases in water turbidity may occur as a result of displaced sediment from construction activities.

In general, increased turbidity could limit the ability of California least terns, other sensitive piscivorous avian species, fish, and GST to locate prey. Decreased visual acuity caused by turbidity can lower the foraging success for avian species and fish. While GST vision would also be affected by increases in turbidity, GST foraging efficiency could be further reduced by the impact turbidity can have on primary producers. Where the disruption to the photic zone can occur due to increased turbidity. Prolonged increases in turbidity can reduce primary productivity because turbid water prevents sunlight from reaching primary producers. These impacts would be considered a significant impact without mitigation (**Impact-4**). Marine mammals with potential to occur in the Project site including the California sealion and dolphin species utilize alternative methods for hunting and are unlikely to have foraging impacts due to increases in turbidity. California sea lions have highly sensitive whiskers that detect hydrodynamic trains left by fish and can track fish with good accuracy even without vision (Gläser et al. 2010). Additionally, dolphins use echolocation to support prey searches allowing effective foraging in dark or turbid water their vision fails (Wisniewska et al. 2014). Dolphins have been found to target areas of higher turbidity or show preference for night-time foraging (Miller and Baltz 2009; Simonis et al. 2017).

Construction activities could potentially result in impacts on protected species by the inadvertent introduction of pollutants such as fuel, oil, and/or other industrial and mechanical fluids into waters of the U.S, either from construction equipment, landside construction vehicles, construction vessels, and from partially completed overwater structures. These impacts would be considered a significant impact without mitigation (**Impact-4**).

6-1.2.4 Construction Water Quality Mitigation Measures on Marine Resources

Turbidity generated by in-water construction activities (**Impact-4**) can be reduced by implementing various measures required under **Mitigation-4**. These measures include contactor education. Vessel operators shall be instructed regarding the impacts of propeller wash with regards to erosion of sediments and suspension of fine particulates; this will allow vessel operators to adjust operations, when possible, in ways that lessen impact. All vessels would be required to use depth sounders which are routinely checked to ensure vessels are positioned to avoid shallow water areas to the extent practical. Construction crews will have appropriate spill kits on site and shall not fuel or clean equipment on site unless a spill containment structure is in place. Finally, when construction involves necessary bottom disturbance such as pile driving methods including impact, vibratory, or jetting methods where sediment displacement is likely, silt curtains would be in place around the activity to limit the spread of any turbidity generated during bottom disturbing activity. As such, **Mitigation-4** would reduce impacts to less than significant.

6-1.2.5 Operational Overwater Cover and Shading Impacts on Marine Resources

The operational impacts associated with overwater cover are introduced by the piers, mainwalks, wave attenuator, and gangways. The installation and use of overwater structures would result in permanent reduction of potential open water foraging habitat for California least tern and other sensitive piscivorous species. Overwater coverage also leads to lower primary productivity in the water column and at the seafloor due to shading. Similarly, the revised slip mix will cast additional shadows that increase shading of water area. This will further lower primary productivity. The lost primary productivity impacts all higher trophic levels due to the lost production of organic carbon. The impact on primary productivity is considered to be significant due to the presence of eelgrass resources at the Project site. Additionally, the impacts to California least tern associated with overwater coverage are considered a significant impact (**Impact-5**).

6-1.2.6 Operational Overwater Cover Mitigation Measures for Marine Resources

Overwater cover from permanent structures can be mitigated in-kind if feasible, or out-of-kind if in-kind options are not available. Mitigation measure **Mitigation-5** includes options for mitigating impacts associated with **Impact-5**. These options can be implemented either individually or on combination, as may be required through consultation with applicable resource agencies during permitting processes, including but not limited to, NMFS, USFWS, RWQCB, and/or USACE, to offset impacts from permanent overwater coverage. The in-kind option includes removal of existing overwater coverage at a 1:1 mitigation ratio at other locations within the Project site. Out-of-kind mitigation measures include creation or restoration of wetlands or eelgrass habitat at a 1:1 mitigation ratio to improve fisheries and associated wildlife beneficial uses in consultation with regulatory agencies identified above, contribution to an approved mitigation bank, and/or purchasing credits from the District's shading credit program. Implementation of **Mitigation-5** would reduce **Impact-5** to less than significant. The potential impacts and mitigation measures related to eelgrass, which is considered a sensitive natural community, are discussed below.

Mitigation measure **Mitigation-5** requires that a plan be developed to mitigate for impacts associated with **Impact-5**. The plan should include mitigation for the increase in coverage of open Bay waters that do not support eelgrass or potential eelgrass habitat by establishing an out-of-kind mitigation. All impacts to eelgrass resources should comply with the CEMP (NMFS 2014) by performing two years of post-construction eelgrass monitoring to determine the realized extent of impacts to eelgrass resources. Additionally, the establishment of new eelgrass resources at 1.2 times the amount of eelgrass impacts should be considered for implementation. Should an appropriate area for eelgrass mitigation not be feasible, an alternative mitigation should be considered to establish marine resources or support marine species.

6-1.3 Level of Significance After Mitigation

Implementation of **Mitigation-1** would reduce potential noise related impacts on foraging California least tern and other sensitive piscivorous avian predators during the nesting season (**Impact-1**) to less than significant by requiring construction monitoring during the nesting season by a qualified biological monitor. The monitor would have the ability to reduce or temporarily stop noise producing construction activities if those activities were believed to impact or otherwise alter the foraging behavior of sensitive avian species during the nesting season.

Impacts associated with disturbance of nesting marine dependent avian species (**Impact-2**) would be reduced to less than significant by **Mitigation-2**, which requires pre-construction surveys and if nests are detected, noise monitoring to ensure that noise levels do not exceed 10 dBA above ambient levels. In the event noise exceedances occur or disruption of nesting behavior is observed, **Mitigation-2** provides for actions that can be taken to protect nesting marine dependent avian species from the noise generating activity that the nest.

Implementation of **Mitigation-3** would reduce impacts on marine mammals, GST, and fishes (**Impact-3**) to less-than-significant levels by identifying when species are approaching or within the designated isopleth for Level B harassment and halting in-water pile driving activities until the species has left the construction area.

Implementation of **Mitigation-4** would reduce impacts associated with **Impact-4** to less than significant levels by requiring contractor education relative to construction actions that can increase turbidity. Turbidity will be reduced through the implementation of training and construction measures, such as silt curtains, which will protect the foraging behavior of sensitive avian species and minimize sedimentation of eelgrass resources from turbidity impacts.

Implementation of **Mitigation-5** would reduce **Impact-5** to less than significant by requiring in-kind mitigation if feasible, or out-of-kind mitigation if in-kind options are not available. Mitigation measure **Mitigation-5** includes various mitigation options that can be implemented either individually or in combination, as may be required through consultation with applicable resource agencies during permitting process, to offset impacts from permanent overwater coverage.

6-2 Threshold 2 - Sensitive Natural Community

Eelgrass habitat, which comprises approximately 102,989 sq ft (2.36 acres) of marine habitat in the Project site. Eelgrass is considered a sensitive habitat and is managed by NMFS as EFH. The eelgrass habitat on the Project site is also classified as a HAPC as defined by the MSA.

Proposed construction activities have the potential to have a substantial adverse effect on eelgrass. These activities include placement of floating dock structures and pile replacement activities. Construction related impacts associated with these proposed activities could result from increased turbidity from support vessels, equipment, and installation of structures and piles. The operation of vessels over shallow water during construction can decrease light to the seafloor by increasing turbidity from propeller wash or direct contact with the seafloor. Suspended particles reduce water clarity and can reduce the light reaching plant and algae cells. When suspended particles settle on primary producers such as periphyton, macroalgae, and eelgrass, they can further continue to prevent light from reaching the plant cells and reduce primary productivity. Additionally, any contact with the seafloor where eelgrass occurs could directly dislodge and remove eelgrass and other vegetation. Although **Mitigation-4** provides for measures to reduce and restrict turbidity, in some cases eelgrass may occur within the footprint where construction vessels and turbidity curtains are placed during construction. In such cases, the contained turbidity may still impact eelgrass that is within the limits of the silt curtains and construction activity. These construction-related impacts on eelgrass would be significant (**Impact-5**).

The mitigation measures to reduce construction turbidity impacts on eelgrass beds are the same as those proposed under **Mitigation-4**. Impacts associated with reduced growth and cover of eelgrass or direct removal of eelgrass during construction would be mitigated by the measures identified under **Mitigation-5**. This mitigation measure would follow guidelines set by the CEMP (NMFS 2014). Pre- and post-construction eelgrass surveys would be required at the construction site and a suitable reference area. The final calculation of mitigation requirements should occur after the post-construction monitoring. Should losses to eelgrass occur, mitigation should be carried out in accordance with the CEMP at or before the time of impact in a manner that conservatively mitigates all potential impacts to eelgrass. Mitigation by replanting or restoring eelgrass should follow the CEMP's eelgrass restoration ratio. Any implemented eelgrass mitigation site shall be monitored for 5 years to ensure successful eelgrass establishment in accordance with the CEMP. Implementation of mitigation measures **Mitigation-4** and **Mitigation-5** would reduce **Impact -5** to a less-than-significant level.

6-2.1 Level of Significance after Mitigation

Implementation of **Mitigation-4** and **Mitigation-5** would reduce **Impact-5** to less than significant by requiring the implementation of various measures to reduce turbidity from in-water construction, pre- and post-construction eelgrass surveys in accordance with the CEMP, and in the event, eelgrass is impacted, requiring mitigation for eelgrass impacts at a ratio of no less than 1.2:1, as required by the CEMP. If impacts on eelgrass are detected during the 2-year post-construction period, **Mitigation-5** also requires the project proponent to provide additional mitigation for eelgrass impacts.

In addition, the RWCQB is currently gathering and interpreting sediment data at the project site. It is possible, but not certain at this time, that some form of remediation of existing sediments may be required as part of the CWA Section 401 water certification. If remediation is required, additional impacts to eelgrass resources may occur.

The District calculated a reasonable area that sediment remediation, if required, may occur within. Specifically, a 111,451 sq ft (2.56 acre) boundary for potential sediment remediation was evaluated for eelgrass impacts. Within this boundary, 102,989 sq ft (2.36 acre) of eelgrass resources were identified and 29,967 sq ft (0.68 acre) would be impacted by dredge/fill operations. A map showing the potential sediment remediation boundary relative to existing eelgrass resources is included as Appendix C. Please note that the potential sediment remediation shown on the map does not represent the actual boundary of remediation to be completed, which, if needed, would be determined at a later time once RWQCB has completed its analysis of the existing sediment data. Therefore, the map should only be considered for CEQA impact purposes as a reasonable potential remediation area depicted to present all reasonably foreseeable consequences of undertaking the project, including potential requirements imposed by other regulatory agencies such as the RWQCB. Based on the potential sediment remediation area evaluated, impacts to eelgrass resources would be significant without mitigation. Implementation of an eelgrass mitigation plan would result in less than significant impacts to eelgrass resources.

6-3 Threshold 3 - Movements of Fish or Wildlife

Aquatic wildlife, including fish, birds, marine mammals, and turtles, likely transit periodically through the marine environment in the Project site to access foraging and resting habitat elsewhere in the Bay or at sea. The project site also contains eelgrass, which is a nursery area for many commercially and recreationally important finfish and shellfish. (Orth and Heck 2023). While the proposed Project has the potential to affect eelgrass, open water habitat, and special-status wildlife species, the Project site contains uses typical for Bay inner harbors, and the habitat types and species are all common throughout the Bay. As discussed in Threshold 1 and 2, impacts on special-status species (**Impact-1, Impact-2, Impact-3,** and **Impact-4**) would all be mitigated to less than significant by incorporating **Mitigation-1, Mitigation-2, Mitigation-3,** and **Mitigation-4.** Impacts on open water habitat and adjacent eelgrass habitat outside of the Project Site (**Impact-5**) would be mitigated to less than significant with implementation of **Mitiagtion-4** and **Mitigation-5**. Implementation of the proposed Project would not substantially interfere with the movement of fish or other wildlife species or substantially impede the use of native wildlife nursery habitat.

6-3.1 Level of Significance after Mitigation

Implementation of the proposed Project would not substantially interfere with the movements of fish or other wildlife species or substantially impede the use of native wildlife nursery habitat. Impacts would be less than significant.

6-4 Threshold 4 - Conflict with Policies Protecting Biological Resources

The applicable local land use plans, policies, ordinances, or regulations of the District, adopted for the purpose of protecting biological resources, are the Port Master Plan, San Diego Unified Port District Code, and the District's INRMP. A conflict with the San Diego Bay INRMP that results in an adverse effect on special-status species or sensitive habitat would also be considered a significant biological resource impact (**Impact-6**).

6-4.1 Level of Significance after Mitigation

To ensure consistency with the San Diego Bay INRMP, **Mitigation-1** through **Mitigation-5** would be implemented to avoid impacts to biological resources, including on special status species and sensitive marine habitat. After mitigation is incorporated, **Impact-6** would be reduced to less than significant.

7 Discussion

The biological communities present within the designated Project site are typical of the bays and shorelines in the region, and are not notably diverse, unique, or sensitive. Fish and invertebrate species that were observed during the SCUBA surveys throughout the Project site are generally considered common throughout the bays and shorelines of the region and would generally not be put at risk by activities such as those proposed by this Project.

The marine habitats within the Project site are generally composed of subtidal eelgrass and unvegetated soft-bottom. Flora and fauna observed within the Project site were typical of species likely to occur within San Diego Bay. Neither sensitive nor unique species were observed during the survey. However, commercially, and recreationally important California lobster was observed on occasion within the Project site. Invasive species seen include *Amathia verticillate*, *Sargassum muticum,* and Pacific oyster (*Crassostrea gigas*)**.**

The proposed Project would consist of construction and operational activities in marine environments. Construction related impacts on marine resources that could occur from this Project include construction-induced noise impacts, increases in turbidity, and release of particulates and chemicals of concern into WoUS. Permanent operational impacts include loss of water due to increases in overwater coverage that impede use of surface water by fish-foraging birds and cause lowered primary productivity by plankton and benthic algae.

Construction-induced noise impacts from overwater and in-water construction activities such as pile driving could disrupt the foraging behavior of California least tern and other sensitive piscivorous avian species (**Impact-1**). Construction noise can also impact marine dependent species projected under the MBTA and California Fish and Game Code by causing nesting birds to abandon nest sites or alter nesting behavior in ways that lower nesting success (**Impact-2**). Furthermore, in-water construction activities could generate enough underwater noise to physically injure marine mammals, sea turtles, and fish should impact hammer or vibratory pile driving occur during construction (**Impact-3**). However, the implementation of **Mitigation-1** through **Mitigation-3** would reduce these Project level impacts to less than significant.

In-water construction activities that involve bottom sediment disturbance would also potentially result in temporary increases in turbidity, which could limit the ability of California least terns, other sensitive piscivorous avian species, fish, and GST to locate prey (**Impact-4**). However, this Project level impact would be reduced to less than significant with implementation of **Mitigation-4**, which requires implementation of various construction measures to reduce turbidity and its effects on foraging.

Additionally, the increase of overwater structures would result in increased overwater coverage, which can impact foraging opportunities for sensitive piscivorous species and lowered primary productivity due to shading (**Impact-5**). However, overwater cover from permanent structures will be mitigated by the establishment and maintenance of a mitigation area as described by **Mitigation-5**. Implementation of **Mitigation-5** would reduce the Project level impact to less than significant.

Through the implementation of **Mitigation-1** through **Mitigation-5** conflicts with existing plans, policies, ordinances, or regulations will be complied with (**Impact-6**).

It is not anticipated that the GST or other sensitive species noted above would be significantly impacted by the proposed improvement or construction activities. The change in overwater structures has the potential to alter existing migration corridors for GST, but this is unlikely due to the proximity of the Project site to similar existing piers along the shoreline. GSTs are not likely to be seen at the Project site due to the location of the Project site in the northern portion of the Bay, however given the amount of eelgrass growing within the Project site there is potential for GSTs utilizing areas within the Project site for foraging. The pile driving associated with structural pile replacement may produce noise levels that can cause behavioral disruption of marine mammals and GSTs.

Many of the pacific coast groundfish and coastal pelagic fish species have potential to occur at the Project site due to the structural complexity of the existing dock lay out and associated piles. Additionally, the presence of eelgrass resources within the Project site may support potential prey species and provide additional shelter that may increase the potential for pacific coastal groundfish and coastal pelagic fish species presence.

The purpose of this assessment was to determine whether proposed Project activities would have any effect on the surrounding marine environment, or to the marine flora and fauna reliant on the resources provided by this marine environment. Based on the analysis previously described in this assessment, it has been determined that any potential impacts caused by the Project to the marine environment, sensitive species, and marine mammals can be reduced to less than significant and impacts would be reduced if mitigation measures are followed.

8 References

[Atwood and Minsky 1983] Atwood, J.L. and D.E. Minsky. 1983. Least tern foraging ecology at three major California breeding colonies. Western Birds 14:57-72.

[Gläser et al. 2010] Gläser, N., S. Wieskotten, C. Otter, G. Dehnhardt, and W. Hanke. 2010. Hydrodynamic trail following in a California sea lion (Zalophus californianus). Journal of Comparative Physiology A. vol 197, pp 141-151. October 20, 2010.

[Harvey & Associates 2012] Harvey & Associates. 2012. Least Tern Literature Review and Study Plan Development, Final Report. Prepared for U.S. Army Corps of Engineers, February 2012.

[Illingworth & Rodkin 2025] Illingworth & Rodkin, Inc. 2025. Shelter Island Commercial Fishing Wharf Project – San Diego Hydroacoustic Assessment. Prepared for Ascent Environmental, Inc. August 18, 2025.

[Largier et al. 1996] Largier, J. L., C. J. Hearn, and D. B. Chadwick (1996). Density Structures in "Low Inflow Estuaries," in Buoyancy Effects on Coastal Esturine Dynamics Coastal Esturine Stud., vol. 53, edited by D. G. Aubrey and C. T. Friedrichs, pp 227-242, American Geophysical Union, Washington, D.C.

[Love 2002] Love, M. S., M. Yoklavich, and L. Thorsteinson. 2002. The Rockfishes of the Northeast Pacific. University of California Press, Berkeley, California

[McCain 2005] McCain, B.B, S.D. Miller, and W.W Wakefield II. 2005. Essential Fish Habitat West Coast Groundfish Appendix B; Part 2: Life History, Geographical Distribution, and Habitat Associations of 82 West J Dock Marine Biological Resources January 2020 12 Coast Groundfish Species (A Literature Review). Seattle, WA: National Marine Fisheries Service, Northwest Fisheries Science Center.

[NAVFACSW 2016] U.S. Department of the Navy, Navy Facilities Engineering Command Southwest. 2016. Monitoring Report for Fuel Pier Replacement Project (P-151) at Naval Base Point Loma, San Diego, CA. April 2016.

[NMFS 2014] National Marine Fisheries Service. 2014. California Eelgrass Mitigation Policy and Implementing Guidelines. October 2014.

[NMFS 2018] National Marine Fisheries Service. 2018. Technical Guidance for Assessing the Effects of Anthropogenic Sound on Marine Mammal Hearing: Underwater Acoustic Thresholds for Onset of Permanent and Temporary Threshold Shifts. 2018 Revision. Available online at: https://media.fisheries.noaa.gov/dam-migration/tech-memo-acoustic-guidance-20-pdf-508.pdf

[NMFS 2023a] National Marine Fisheries Service. 2023a. NOAA Fisheries ESA Threatened and Endangered List. Available at: https://www.fisheries.noaa.gov/species-directory/threatened-endangered

[NMFS 2023b] National Marine Fisheries Service. 2023b. Essential Fish Habitat: Habitat Areas of Particular Concern (HAPC). Available at: https://www.westcoast.fisheries.noaa.gov/habitat/fish_habitat/hpac.html

[NMFS 2023c] National Marine Fisheries Service. 2023c. Draft Biological Report for the Designation of Marine Critical Habitat for Six Distinct Population Segments of the Green Turtle, Chelonia mydas. Available at: https://www.fisheries.noaa.gov/s3/2023-07/DraftGreenTurtleCH-BiologicalReport-June2023.pdf

[NOAA 2023] National Oceanic and Atmospheric Administration. 2023. U.S. Pacific Marine Mammal Stock Assessments:2022. Available at: https://media.fisheries.noaa.gov/2023-08/Final-2022-Pacific-SAR.pdf

[NOAA 2025] National Oceanic and Atmospheric Administration. 2025. Essential Fish Habitat Mapper. Available: https://www.habitat.noaa.gov/apps/efhmapper/?page=Pacific-Map. Retrieved October 2025.

[Orth and Heck 2023] Orth, R.J., Heck Jr., K.L. 2023. The Dynamics of Seagrass Ecosystems: History, Past Accomplishments, and Future Prospects. Estuaries and Coasts 46, 1653-1676. https://doi.org/10.1007/s12237-023-01252-4

[Simonis et al. 2017] Simonis, A.E., M.A. Roch, B. Bailey, J. Barlow, R.E.S. Clemesha, S. Iacobellis, J.A. Hildebrand, S. Baumann-Pickering. Lunar cycles affect common dolphin Delphinus delphis foraging in the Southern California Bight. Marine Ecology Progress Series vol. 577, 221-235. August 18, 2017.

[Steinbeck et al. 2005] Steinbeck, J.R., C.P. Ehler, J.E. Roth, M.L. Elliot, A. Abraham, W.J. Sydeman, and A. Ziodis. 2005. Oakland Harbor Deepening Project (-50'): Least Tern, Fish, and Plume Monitoring Final Report, Project Year 2004. Tetra Tech, Inc., San Francisco, California. March 2005.

[USFWS 2006] United States Fish and Wildlife Service. 2006. California least tern (Sternula antillarum browni) 5-year review summary and evaluation. Prepared by U.S. Fish and Wildlife Service Carlsbad Fish and Wildlife Office. Carlsbad, California. Sept 2006

[USFWS 2023] US Fish and Wildlife Service. 2023. IPaC: Information for Planning and Consultation. Available at: https://ecos.fws.gov/ipac/location/index

[Wisniewska et al. 2014] Wisniewska, D.M., M. Johnson, P.E. Nachtigall, and P.T. Madsen. Buzzing during biosonar-based interception of prey in the delphinids Tursiops truncatus and Pseudorca crassidens. Journal of Experimental Biology. 217, 4279-4282. November 2014.

[WURMP 2003] San Diego Bay Watershed Copermittees. 2003. San Diego Bay Watershed Urban Runoff Management Program Document. City of Chula Vista, City of Coronado, City of

Imperial Beach, City of La Mesa, City of Lemon Grove, City of National City, City of San Diego, County of San Diego, and Port of San Diego.

Appendix A: Project Plans

PORT OF SAN DIEGO

DRISCOLL'S WHARF WATERSIDE IMPROVEMENTS

AMERICA'S CUP HARBOR, SAN DIEGO, CA

PERMIT SUBMITTAL

MONUMENTATION PRESERVATION NOTE

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MONUMENTATION AND/OR BENCHMARKS WHICH WILL BE DISTURBED OR DESTROYED BY CONSTRUCTION. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTATION BY A LICENSED LAND SURVEYOR OR A REGISTERED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING. A CORNER RECORD OR A RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED BY THE LICENSED LAND SURVEYOR OR THE REGISTERED CIVIL ENGINEER AS REQUIRED BY THE LAND SURVEYOR'S ACT (BUSINESS AND PROFESSIONS CODE 8771).

BENCH MARK

ELEVATIONS SHOWN HEREON ARE BASED UPON A NGVD ELEVATION OF 10.89 FEET AS SHOWN FOR SAN DIEGO COUNTY GPS POINT NO. 1117 ON RECORD OF SURVEY MAP NO 14492, AS DOCUMENT NO 1994-0214720, RECORDS OF SAN DIEGO COUNTY, AND ADJUSTED TO PORT OF SAN DIEGO DATUM PER SAN DIEGO REGIONAL STANDARD DRAWING NO M-12.

BASIS OF BEARINGS

THE BASIS OF BEARING FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM (EPOCH 1991.35), ZONE 6, NAD 83, AS DETERMINED LOCALLY BY PORT OF SAN DIEGO CONTROL MONUMENT #011 WITH COORDINATES N: 1842262.818 E: 6277663.819

DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE CIVIL ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THIS DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

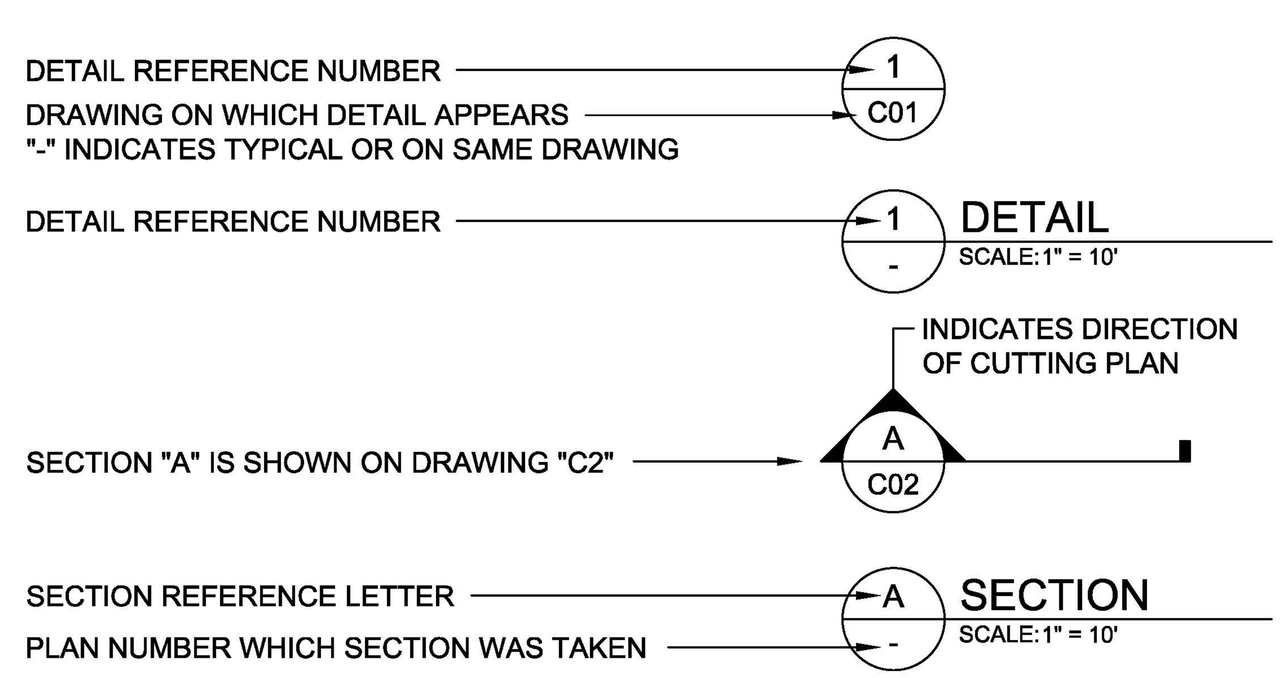
I UNDERSTAND THAT THE CHECKING OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE SAN DIEGO UNIFIED PORT DISTRICT IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

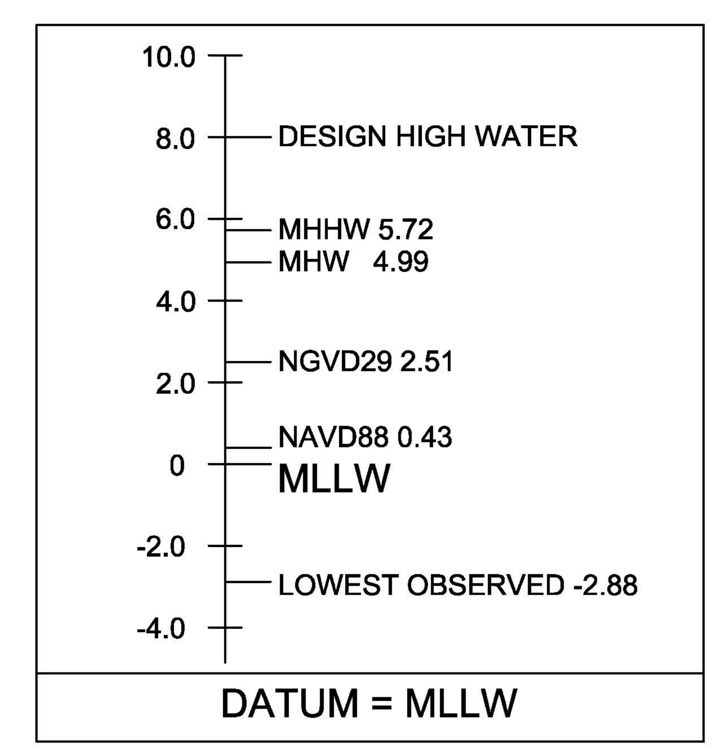
NAME: TROY E. GILLUM
CA. REGISTRATION NO.: C 51514
LICENSE EXP. DATE: 6/30/24
COMPANY NAME: TRITON ENGINEERS, INC.

CODE REFERENCES:

1. ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN COMPLIANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES:
   - CALIFORNIA BUILDING CODE
   - CALIFORNIA ELECTRICAL CODE
   - CALIFORNIA PLUMBING CODE
   - CALIFORNIA FIRE CODE
   - CALIFORNIA MECHANICAL CODE
2. CALIFORNIA STATE PARKS DIVISION OF BOATING AND WATERWAYS, BOATING FACILITIES DIVISION LAYOUT AND DESIGN GUIDELINES FOR MARINA BERTHING FACILITIES, DATED JULY 2005.
3. THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (CALTRANS)
4. THE STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION (SSPWC) INCLUDING SAN DIEGO REGIONAL STANDARDS SUPPLEMENT AMENDMENTS.
5. AMERICAN CONCRETE INSTITUTE (ACI) 'BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE' ACIT STANDARD 318.

DETAIL AND SECTION REFERENCING





WORK TO BE DONE

THE WORK TO BE DONE SHALL BE ACCORDING TO THESE DRAWINGS AND SPECIFICATION OF THE SAN DIEGO UNIFIED PORT DISTRICT, AND IN ACCORDANCE WITH THE CALIFORNIA DEPARTMENT OF BOATING AND WATERWAYS, BOATING FACILITIES DIVISION LAYOUT AND DESIGN GUIDELINES FOR MARINA BERTHING FACILITIES, DATED JULY 2005.

IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, LABOR, MATERIALS, AND SYSTEMS NECESSARY TO CONSTRUCT A FUNCTIONAL MARINA FOR SPORT FISHERMAN, INCLUDING:

1. DEMOLISH AND REMOVE EXISTING PIERS, MOORING PILES, ABUTMENTS, FLOATING DOCKS, AND APPURTENANCES.
2. INSTALL NEW FLOATING PIERS 5, 6, 7 AND 8, AND FLOATING WAVE ATTENUATOR WITH CONCRETE DOCK SYSTEM INCLUDING ALL PILES, UTILITIES, FIRE WATER PIPING, ELECTRICAL, AND APPURTENANCES.
3. CONSTRUCT PILE SUPPORTED GANGWAY AND RAMP PLATFORMS WITH RAILINGS AND GATES.
4. INSTALL NEW ALUMINUM GANGWAYS AND STEEL RAMP.
5. CONSTRUCT NEW PIER 4 WHARF WITH REINFORCED CONCRETE PIER STRUCTURE INCLUDING ALL PILES, JIB CRANE, UTILITIES, FENDER SYSTEM, FIRE WATER PIPING, ELECTRICAL, AND APPURTENANCES.

SHEET INDEX

RECORD DRAWING
REVIEWED BY:
ENGINEER OF RECORD
DATE

NOTE:
THIS DRAWING MAY BE A REDUCED SCALE PRINT OF THE ORIGINAL DRAWING. UTILIZE GRAPHIC SCALES TO VERIFY IF DRAWING IS A REDUCTION, AND ADJUST SCALES ACCORDINGLY TO THE GRAPHIC SCALES SHOWN.

SPEC NO.	WBS NO.	50% DESIGN SUBMITTAL	02/29/2024
REFERENCES			
PROJECT ENGINEER			
CONTRACTOR -			
CONSTRUCTION STARTED -			
CONSTRUCTION COMPLETED -			
COST -	INSPECTOR -	REVISIONS	DATE / APPROVED

PORT of SAN DIEGO
Waterfront of Opportunity

DESIGNED TEG	APPROVAL RECOMMENDED
DRAWN TEG	PROJECT MANAGER
	APPROVED
CHECKED JVP	ENGINEERING MANAGER

SAN DIEGO, CALIFORNIA

DRISCOLL'S WHARF WATERSIDE IMPROVEMENTS

DATE 02/29/24
A/E NO.
SHEET 1 OF 24
DRAWING NO. EM-XXXX-XX
REV. A

T:\PROJECTS\23-2852 Driscolls Wharf Waterside Improvements\50 Drawing Layout\01.dwg / Mar 04, 2024 - 10:46am / CAD Machine

GENERAL NOTES

1. DOCK AND GANGWAY RAMP MANUFACTURERS SHALL PROVIDE ALL NECESSARY STRUCTURAL CALCULATIONS, SCALED SHOP DRAWINGS, AND ALL OTHER SUPPORTING DOCUMENTATION REQUIRED BY THE SPECIFICATION FOR PERMIT. ALL SHOP DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND STAMPED BY A STATE OF CALIFORNIA LICENSED PROFESSIONAL ENGINEER. SHOP DRAWINGS SHALL SHOW ALL DETAILS AND OVERALL CONFIGURATIONS NECESSARY TO CLEARLY DESCRIBE THE WORK AND MATERIALS OF CONSTRUCTION.

2. GENERAL CONTRACTORS SHALL COORDINATE ALL WORK OF ALL SUBCONTRACTORS AND OTHER SUBCONTRACTORS CONTRACTED DIRECTLY WITH THE PORT, AS APPLICABLE, FOR SCHEDULE AND WORK COORDINATION REQUIREMENTS. THE CITY SHALL BEAR NO RESPONSIBILITY FOR FAILURE ON THE PART OF THE CONTRACTOR TO COORDINATE ACTIVITIES OF CONTRACTOR'S EMPLOYEES OR SUBCONTRACTORS.

3. THE CONSTRUCTION DOCUMENTS INCLUDE WRITTEN SPECIFICATIONS UNDER SEPARATE COVER. THESE PLANS SHALL BE CONSIDERED INCOMPLETE WITHOUT THE SPECIFICATIONS. CONTRACTORS SHALL REPORT APPARENT DISCREPANCIES BETWEEN THE PLANS AND THE SPECIFICATIONS TO THE PORT OR THE ENGINEER BEFORE PROCEEDING WITH THE WORK.

4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK. THE PORT OR ENGINEER SHALL BE NOTIFIED OF DISCREPANCIES PRIOR TO THE START OF THE WORK. THE PORT SHALL BEAR NO RESPONSIBILITY FOR EXPENSES INCURRED AS A RESULT OF FAILURE ON THE PART OF THE CONTRACTOR TO VERIFY DIMENSIONS AND/OR VERIFIABLE SITE CONDITIONS PRIOR TO BEGINNING WORK.

5. DIMENSIONS TAKE PRECEDENCE OVER SCALE.

6. CONTRACTORS SHALL MAINTAIN FIRE LANES AND ACCESS TO EXISTING FACILITIES AND EQUIPMENT IN ACCORDANCE WITH THE CITY OF SAN DIEGO FIRE DEPARTMENT.

7. ALL WORK AND MATERIALS SHALL CONFORM TO THE CURRENT EDITIONS OF THE CALIFORNIA BUILDING CODE, CALIFORNIA FIRE CODE, CALIFORNIA MECHANICAL CODE, NATIONAL ELECTRICAL CODE, CALIFORNIA PLUMBING CODE, AND AMERICANS WITH DISABILITIES ACT (ADA), ALUMINUM ASSOCIATION'S "SPECIFICATIONS FOR ALUMINUM STRUCTURES", "LAYOUT DESIGN GUIDELINES FOR SMALL CRAFT BERTHING FACILITIES" PREPARED BY THE CALIFORNIA STATE PARKS DIVISION OF BOATING AND WATERWAYS, LATEST EDITION, AND SAN DIEGO REGIONAL STANDARD DRAWINGS.

8. CONTRACTORS SHALL STRICTLY ENFORCE ALL APPLICABLE SAFETY LAWS (I.E. OSHA, CAL-OSHA) AND MAINTAIN SITE SAFETY.

9. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE SUPERVISION OF THE WORK TO ENSURE THAT IT IS CONSTRUCTED IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.

10. THE CONTRACTOR SHALL MAKE AND KEEP CURRENT A SET OF RECORD DRAWINGS SHOWING EXACT DIMENSIONED LOCATIONS OF CONSTRUCTION CHANGES. TWO SETS SHALL BE SUBMITTED TO THE PORT WITHIN 30 DAYS OF PROJECT COMPLETION FOR ALL WORK AND SHALL INCLUDE ALL MAINTENANCE AND OPERATIONS MANUALS AND CERTIFICATIONS OF PERFORMANCE TO THESE PLANS AND SPECIFICATIONS.

11. NO PENETRATIONS OR WORK SHALL BE PERFORMED ON THE EXISTING ABUTMENTS, EXCEPT AS SHOWN ON THESE PLANS.

12. "REMOVE" SHALL MEAN TO DEMOLISH, TRANSPORT, AND DISPOSE OF AT CONTRACTOR'S EXPENSE.

13. "REMOVE AND REINSTALL" SHALL MEAN TO REMOVE, PROTECT, STORE, CLEAN AND REINSTALL IN GOOD CONDITION.

14. "SALVAGE" SHALL MEAN TO DISASSEMBLE, SORT INTO LIKE COMPONENTS, PACKAGE OR PALLETIZE INTO TRANSPORTABLE UNITS AND TRANSPORT TO A SITE DESIGNATED BY THE CITY.

15. ALL UNISTRUT ATTACHED TO GANGWAYS FOR SUPPORT OF UTILITIES SHALL BE OF STAINLESS STEEL TYPE 316 WITH STAINLESS STEEL TYPE 316 CONNECTORS AND BOLTS.

16. SPECIAL INSPECTIONS BY THE CONTRACTOR: CONTINUOUS INSPECTIONS SHALL BE MADE BY A REGISTERED DEPUTY INSPECTOR (PER CBC SECTION 1701). THE CONTRACTOR SHALL PROVIDE WRITTEN REPORTS TO THE ENGINEER FOR THE FOLLOWING:

    A. PILE DRIVING (SEE ALSO NOTE 19 BELOW).

17. CONCRETE ANCHORS SHALL BE INSTALLED IN STRICT CONFORMANCE WITH MANUFACTURER'S RECOMMENDATIONS, IN SOUND MATERIAL, WITH NO LESS THAN THE MINIMUM EMBEDMENT SPECIFIED BY THE MANUFACTURER. HILTI KWIK-BOLT, ICBO REPORT NO. ER-4627.

18. CONCRETE: SEE PRESTRESSED CONCRETE PILES DRAWING.

    CONCRETE FOR ABUTMENT:
    1) f'c = 4000 psi @ 28 DAYS, CONFORMS TO ASTM C94
    2) WATER-CEMENT RATIO = 0.45 MIN.
    3) PRIOR TO PLACEMENT OF CONCRETE, ENGINEERS SHALL INSPECT EXCAVATION AND PLACEMENT OF REBAR.

    REINFORCING BARS:
    1) ASTM A615, GRADE 60
    2) ALL BARS TO BE EPOXY COATED PER ASTM A934

1. ALL PILE DRIVING, INSTALLATION AND INSPECTIONS SHALL BE PROVIDED AND PAID FOR BY THE CONTRACTOR AND SHALL BE PERFORMED UNDER PERIODIC INSPECTION OF PORT DISTRICT INSPECTOR AND AND APPROVAL OF THE ENGINEER OF RECORD. A LOG OF PILE DRIVING SHALL BE KEPT BY THE CONTRACTOR AND A COPY SUBMITTED TO THE PORT DISTRICT ALONG WITH WRITTEN CERTIFICATION THAT THE WORK SUPERVISED MEETS THE REPORT.

2. WELDING:
    A. WELD LENGTHS SHOWN ARE EFFECTIVE LENGTH PER CODE. WHERE LENGTHS ARE NOT SHOWN, THE WELD SHALL BE FULL LENGTH OF JOINT. IN ADDITION TO INDICATED STRUCTURAL WELDS, ALL CONNECTED PARTS SHALL BE SEAL-WELDED, ALL-AROUND, A MINIMUM OF 18" FILLET WELDS.

    B. ALL WELDING SHALL BE AS PER LATEST EDITION OF AWS D1.1.

    C. ALL WELDERS SHALL BE CERTIFIED TO THE SATISFACTION OF THE GOVERNING JURISDICTION(S).

    D. WELD DAMS ARE NOT PERMITTED IN LIEU OF WELD TABS.

    E. ALL WELDING REQUIREMENTS SHOWN OR INDICATED ON THE DRAWINGS MAY BE FIELD OR SHOP WELDED AS REQUIRED FOR EFFICIENT ERECTION BY CERTIFIED WELDERS, SUBJECT TO THE APPROVAL OF THE ENGINEER.

21. STEEL:
    A. STRUCTURAL STEEL SHALL CONFORM TO STANDARD SPECIFICATIONS FOR STRUCTURAL STEEL FOR BRIDGES AND BUILDINGS, ASTM A36, UNLESS NOTED OTHERWISE.

    B. WELDED AND SEAMLESS STEEL PIPES SHALL CONFORM TO ASTM A53 GRADE B.

    C. COLD-FORMED WELDED AND SEAMLESS CARBON STEEL STRUCTURAL TUBING SHALL CONFORM TO ASTM A500, UNLESS NOTED OTHERWISE.

    D. HOT-FORMED WELDED AND SEAMLESS CARBON STEEL STRUCTURAL TUBING SHALL CONFORM TO ASTM A501, UNLESS NOTED OTHERWISE.

    E. FABRICATION AND ERECTION SHALL COMPLY WITH THE LATEST AISC SPECIFICATIONS.

    F. ALL DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION OR ERECTION OF STRUCTURAL STEEL OR METAL FABRICATIONS.

    G. ALL STRUCTURAL AND MISCELLANEOUS STEEL SHALL HAVE HOT-DIPPED GALVANIZED FINISH, UNLESS NOTED OTHERWISE.

    H. ALL EXPANSION ANCHORS USED FOR THIS PROJECT SHALL BE STAINLESS STEEL TYPE 316.

22. ALUMINUM

    A. ALUMINUM SHAPES SHALL BE EXTRUDED FROM 6061-T6 OR 6063-T6 UNLESS OTHERWISE NOTED.

    B. ALL FASTENERS SHALL BE STAINLESS STEEL. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

23. CONTACT USA ALERT:

    A. CONTACT UNDERGROUND SERVICE ALERT (1-800-422-4133) 10 CALENDAR DAYS

    B. PRIOR TO EXCAVATION: EXISTING UNDERGROUND UTILITIES AND FACILITIES DATA SHOWN OR REFERRED TO ARE PER RECORDS ONLY.VERIFY ALL LOCATIONS OF AFFECTED UTILITIES AND FACILITIES IN THE FIELD PRIOR TO COMMENCING CONSTRUCTION. CONTRACTOR SHALL USE EXTREME CARE WHEN EXCAVATING.

ABBREVIATION LIST

&	AND	L	LENGTH, L-BRACKET
@	AT	LBS:	POUNDS
AC	ASPHALT	LAM:	LAMINATED
A.F.F.	ABOVE FINISH FLOOR	LIN:	LINEAL OR LINEAR
A.C.O.E.	ARMY CORPS OF ENGINEERS	LG:	LONG
AC	ALUMINUM	L.L.	IVE LOAD
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	LLW:	LOWEST LOW WATER
X	BY	MLLW:	MEAN LOWER LOW WATER
BEL	BELOW	MAT:	MATERIAL
BD:	BOARD	MAX:	MAXIMUM
BFP:	BACK FLOW PREVENTER	MB:	MACHINE BOLTS
BM:	BEAM, BENCH MARK	MFR:	MANUFACTURER
BMP:	BEST MANAGEMENT PRACTICES	MH:	MANHOLE
BVC:	BEGIN VERTICAL CURVE	MHW:	MEAN HIGH WATER
BW:	BACK OF WALK	MHHW:	MEAN HIGHER HIGH WATER
CB:	CARRIAGE BOLT	MM:	MILLIMETER
C:	CENTER LINE	MIN:	MINIMUM
C/C	CENTER TO CENTER	MTL:	METAL
CF:	CUBIC FOOT	MVC:	MIDDLE VERTICAL CURVE
C.I.P.	CAST IN PLACE	NAVD88	PROJECT DATUM
CJ:	CONTROL JOINT	N.I.C.	NOT IN CONTRACT
CLR:	CLEAR	NO. OR #	NUMBER
CONC:	CONCRETE	(N)	NEW
CONT:	CONTINUOUS	NTS:	NOT TO SCALE
CY:	CUBIC YARD	O.C.	ON CENTER
°	DEGREES	O/O	OUT TO OUT
Ø	DIAMETER	OPNG:	OPENING
D:	DEPTH	OPP:	OPPOSITE
DBA:	DEFORMED BAR ANCHOR	%	PERCENT
DBW:	CALIFORNIA DIVISION OF BOATING AND WATERWAYS	±	PLUS OR MINUS
DWG:	DRAWING	PIV:	POST INDICATOR VALVE
DET.	(S) DETAIL(S)	PL	PLATE
D.L.	DEAD LOAD	PCF:	POUNDS PER CUBIC FOOT
DN:	DOWN	POC:	POINT OF CONNECTION
EA:	EACH	PSI:	POUNDS PER SQUARE INCH
EHT:	EXTREME HIDE TIDE	PVC:	POLYVINYL CHLORIDE
ELL:	ELBOW	REINF:	REINFORCEMENT, REINFORCED
ELT:	EXTREME LOW TIDE	REQ'D:	REQUIRED
ELECT:	ELECTRICAL	RM OR RMS	ROOM/S
ELEV OR EL	ELEVATION	RSP:	ROCK SLOPE PROTECTION
EXIST OR (E):	EXISTING	2ND	SECOND
EP:	EPOXY	SCH:	SCHEDULE
EQ:	EQUAL	SQ:	SQUARE
EVC:	END VERTICAL CURVE	SF:	SQUARE FOOT
EW:	EACH WAY	STL:	STEEL
EXP:	EXPANSION	SIM:	SIMILAR
FB:	FLAT BAR	SHT:	SHEET
FDC:	FIRE DEPARTMENT CONNECTION	SMH:	SEWER MANHOLE
FH:	FIRE HYDRANT	SS:	STAINLESS STEEL
FIN:	FINISH	STA:	STATION
FL:	FLOW LINE	TB:	TOP OF BERM
FLR:	FLOOR	TC:	TOP OF CURB
FS:	FINISH SURFACE	TG:	TOP OF GRATE
FT:	FEET	T.O.C.	TOP OF CONCRETE
GA:	GAGE	T & B	TOP & BOTTOM
GALV:	GALVANIZED	T & G	TONGUE & GROOVE
GLU LAM	GLUELAMINATED	TW:	TOP OF WALL
GP:	GUARD POST	TYPICAL	TYP
HDG:	HOT DIP GALVANIZED	THK:	THICK
H:	HIGH	UHMW:	ULTRA HIGH MOLECULAR WEIGHT
HH:	UTILITY HAND HOLE	U.H.E. OR UHE	UNREASONABLE HARDSHIP EXCEPTION
HHT:	HIGHEST HIGH TIDE	U.N.O.	UNLESS NOTED OTHERWISE
HHW:	HIGHEST HIGH WATER	VERT:	VERTICAL
HT:	HEIGHT	W.W.M.	WELDED WIRE MESH
HDWR:	HARDWARE	W/	WITH
IE:	INVERT ELEVATION	W/O	WITHOUT
IN:	INCH	WD:	WOOD
INT:	INTERIOR		

RECORD DRAWING

REVIEWED BY:

ENGINEER OF RECORD

DATE

NOTE:
THIS DRAWING MAY BE A REDUCED SCALE PRINT OF THE ORIGINAL DRAWING. UTILIZE GRAPHIC SCALES TO VERIFY IF DRAWING IS A REDUCTION, AND ADJUST SCALES ACCORDINGLY TO THE GRAPHIC SCALES SHOWN.

SPEC NO. WBS NO.	50% DESIGN SUBMITTAL	02/29/2024
REFERENCES		
PROJECT ENGINEER		
CONTRACTOR -		
CONSTRUCTION STARTED -		
CONSTRUCTION COMPLETED -		
COST - INSPECTOR -	REVISIONS	DATE / APPROVED

PORT of SAN DIEGO
Waterfront of Opportunity

DESIGNED TEG
DRAWN TEG
CHECKED JVP

APPROVAL RECOMMENDED
PROJECT MANAGER
APPROVED
ENGINEERING MANAGER

SAN DIEGO, CALIFORNIA

DRISCOLL'S WHARF WATERSIDE IMPROVEMENTS

DATE 02/29/24
A/E NO.
SHEET 2 OF 24
DRAWING NO. EM-XXXX-XX
REV. A

T:\PROJECTS\23-2852 Driscolls Wharf Waterside Improvements\50 Drawing Layout\02.dwg / Mar 04, 2024 - 10:04am / CAD Machine

BEST MANAGEMENT PRACTICES (BMP) AND WATER QUALITY MONITORING

GENERAL

A. THE CONTRACTOR SHALL DEVELOP AND IMPLEMENT A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) INCLUDING APPROPRIATE BEST MANAGEMENT PRACTICES (BMP) IN ACCORDANCE WITH THE MITIGATION, MONITORING, AND REPORTING PROGRAM (MMRP) TO REDUCE IMPACTS TO COASTAL WATERS BY THE WORK. BMPS WHICH SHALL BE IMPLEMENTED INCLUDE THOSE SHOWN ON THE PLANS AND ADDITIONAL BMPS DETERMINED TO BE REQUIRED FOR THE TYPE OF WORK PERFORMED AS LISTED IN THE CONTRACTOR'S APPROVED SWPPP. THE MMRP IS PROVIDED IN THE APPENDICES OF THE CONTRACT SPECIFICATIONS.

B. THE MAINTENANCE OF BMPS IS THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL INSPECT BMPS WEEKLY AND SHALL REPAIR OR REPLACE FAILING BMPS. THE CONTRACTOR'S FAILURE TO INSTALL OR MAINTAIN BMPS MAY RESULT IN ENFORCEMENT ACTION. IF INSTALLED BMPS FAIL, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PORT DISTRICT AND THE ENGINEER AND REPAIR OR REPLACE ALL FAILED BMPS WITHIN 72 HOURS, OR SOONER IF SAFE TO DO SO. THE CONTRACTOR SHALL BE LIABLE FOR ANY AND ALL DAMAGES AND FINES DUE TO NON-COMPLIANCE WITH THE SWPPP, BMPS, AND MMRP.

C. THE CONTRACTOR SHALL IMPLEMENT THE SWPPP AND BMPS TO EFFECTIVELY PREVENT OR MINIMIZE THE POTENTIALLY NEGATIVE IMPACTS OF THE WORK ON WATER QUALITY. IF CONTROL MEASURES BEING IMPLEMENTED AT THE PROJECT SITE ARE DETERMINED TO BE INADEQUATE, THE ENGINEER OR THE PORT DISTRICT MAY REQUIRE THE CONTRACTOR TO SELECT AND IMPLEMENT NEW AND/OR ADDITIONAL BMPS AT THE PROJECT SITE, AT NO ADDITIONAL COST TO THE CITY.

D. THESE MEASURES SHALL BE IMPLEMENTED PRIOR TO COMMENCEMENT OF THE WORK AND SHALL REMAIN IN EFFECT FOR THE DURATION OF THE WORK UNTIL SUBSTANTIAL COMPLETION IS ISSUED. ALL SUBCONTRACTORS SHALL BE TRAINED ON THESE PRACTICES PRIOR TO THE COMMENCEMENT OF THE WORK AND SHALL BE HELD TO THESE STANDARDS FOR THE DURATION OF THEIR WORK AT THE PROJECT SITE. CONTRACTOR SHALL PROVIDE THE PORT DISTRICT DOCUMENTATION OF SUBCONTRACTOR EDUCATION OF THESE BMPS. CONTRACTOR SHALL PROVIDE PROOF TO THE ENGINEER OF ON-SITE TRAINING (E.G., TAILGATE, KICK-OFF MEETING) OF SUPERINTENDENT, WORKERS, AND SUBCONTRACTORS IN WRITING WITHIN 5 DAYS OF COMMENCEMENT OF WORK LISTING NAMES AND COMPANY IN A TRAINING ATTENDANCE ROSTER.

E. IMPLEMENT TEMPORARY EROSION CONTROL MEASURES SHOULD WORK AT THE PROJECT SITE CEASE FOR A PERIOD EXCEEDING 10 DAYS. THE CONTRACTOR SHALL MONITOR AND MAINTAIN TEMPORARY EROSION CONTROL MEASURES UNTIL WORK RESUMES AT THE PROJECT SITE.

F. NO DEMOLITION OR CONSTRUCTION MATERIALS, EQUIPMENT, DEBRIS, OR WASTE SHALL BE PLACED OR STORED WHERE IT MAY BE SUBJECT TO INUNDATION, EROSION, OR DISPERSION IN COASTAL WATERS BY WAVE, WIND, OR RAIN OR WHERE IT MAY ENTER A STORM DRAIN.

G. ACTIVE DEWATERING, WHICH IS DEFINED AS REMOVAL OF WATER FROM ANY EXCAVATION OR TRENCH, IS NOT PERMITTED.

H. ERECT 8-FOOT-TALL, CHAIN-LINK FENCING WITH GREEN SCREENING AROUND THE PERIMETER OF THE PROJECT SITE AND STAGING AREAS FOR THE DURATION OF THE WORK. THE CONTRACTOR SHALL NOT WORK OUTSIDE OF WORK LIMIT UNLESS OTHERWISE NOTED ON THE PLANS.

I. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL COORDINATE WITH THE PORT DISTRICT TO COMPLETE A VISUAL SITE INSPECTION TO ENSURE NO DEBRIS, TRASH, OR CONSTRUCTION MATERIALS HAVE BEEN LEFT ON SHORE, IN THE WATER, OR ON THE BAY BOTTOM. IF ANY DEBRIS, TRASH, OR CONSTRUCTION MATERIALS ARE FOUND, THE CONTRACTOR SHALL IMMEDIATELY REMOVE AND PROPERLY DISPOSE OF SUCH MATERIAL.

J. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL COORDINATE WITH THE PORT DISTRICTTO CERTIFY THAT THE PROJECT HAS NOT CREATED A HAZARD TO NAVIGATION.

STOCKPILES AND STORAGE AREAS

A. NO PORTION OF EXISTING PUBLIC PARKING LOTS OR PUBLIC ON-STREET PARKING AREAS SHALL BE USED FOR THE INTERIM OR OVERNIGHT STORAGE OF CONSTRUCTION EQUIPMENT OR MATERIALS, WITH THE EXCEPTION THAT THE A PORTION OF THE DRISCOLL WHARF PARKING LOT MAY BE USED ON A TEMPORARY BASIS.

B. THE CONSTRUCTION OR WORK AREA, INCLUDING ANY STAGING AREAS, STOCKPILES, AND MATERIAL STORAGE SHALL BE LIMITED TO THE AREAS DESIGNATED ON THE PLANS. ANY ALTERATION TO THE WORK AREAS SHALL BE APPROVED BY THE AND UPDATED ON THE PLANS PRIOR TO IMPLEMENTATION.

C. ALL DEMOLITION CONSTRUCTION EQUIPMENT AND MATERIALS SHALL BE STORED IN PREDESIGNATED STAGING AREAS. STAGING AND STORAGE BEYOND THE PREDESIGNATED AREA LIMITS IS PROHIBITED.

D. STOCKPILES AND OTHER CONSTRUCTION-RELATED MATERIALS SHALL BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE VIA WIND OR WATER.

E. ALL STOCKPILES AND CONSTRUCTION MATERIALS STORED AT THE PROJECT SITE SHALL BE KEPT OFF THE GROUND, COVERED ON ALL SIDES BY A TARP OR IN AN ENCLOSED STORAGE UNIT, AND SHALL BE LOCATED AS FAR AS POSSIBLE FROM DRAIN INLETS AND ALL WATERWAYS. FLOATING DOCK MODULES, GANGWAYS, AND CURED CONCRETE PANELS ARE EXEMPT FROM THE REQUIREMENT TO BE COVERED.

F. ALL TARPS SHALL BE TIED DOWN OR WEIGHTED DOWN WITH SAND OR GRAVEL BAGS TO KEEP THEM SECURE IN WIND AND RAIN. PERIMETER OF ALL STOCKPILES SHALL INCLUDE STRAW WATTLE OR GRAVEL BAGS.

G. DURING CONSTRUCTION OF FACILITIES OVER THE WATER, MATERIALS SHALL BE STORED OFF THE FLOAT DECKS AND COVERED WITH A TARP IF NOT IN USE. ALL EXCESS OR WASTE MATERIALS SHALL BE REMOVED AT THE END OF EACH DAY AND DISPOSED OF IN COVERED RECYCLING AND TRASH CONTAINERS.

RAIN EVENTS

A. DURING CONSTRUCTION OF FACILITIES OVER THE WATER, ALL MATERIALS KEPT ON FLOAT DECKS FOR PERFORMANCE OF THE DAY'S WORK SHALL BE REMOVED FROM THE FLOATS IF RAIN IS IMMINENT OR FORECASTED WITH A 50 OR GREATER CHANCE OF OCCURRENCE.

B. NO WORK SHALL BE PERFORMED DURING A RAIN EVENT IF THE PORT DISTRICT DETERMINES THAT DEMOLITION OR CONSTRUCTION ACTIVITIES WILL CONTAMINATE STORMWATER RUNOFF ENTERING STORM DRAINS OR THE WATERS OF SAN DIEGO BAY.

C. IMMEDIATELY COVER ALL POTENTIAL SOURCES OF POLLUTION WITH A TARP AT THE START OF A RAIN EVENT IF RAIN IS IMMINENT, OR IF RAIN IS FORECASTED WITH A 50 OR GREATER CHANCE OF OCCURRENCE. ALL TARPS SHALL BE TIED DOWN OR WEIGHTED DOWN WITH SAND OR GRAVEL BAGS.

D. A "STANDBY EMERGENCY CREW" SHALL BE ALERTED BY THE CONTRACTOR TO PERFORM EMERGENCY WORK DURING RAIN EVENTS. NECESSARY MATERIALS SHALL BE AVAILABLE ON SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.

DEBRIS, WASTE, AND DISCHARGES

A. REMOVE ALL DEMOLITION DEBRIS AND BAY BOTTOM DEBRIS FOUND AFTER DEMOLITION PRIOR TO COMMENCING CONSTRUCTION.

B. ALL DEMOLITION AND CONSTRUCTION WASTE MATERIALS SHALL BE DISPOSED OF IN COVERED TRASH AND RECYCLING CONTAINERS PROVIDED BY THE CONTRACTOR AT THE END OF EACH DAY.

C. DEMOLITION AND CONSTRUCTION WASTES SHALL BE TRANSFERRED TO AN APPROVED DISPOSAL SITE OUTSIDE OF THE COASTAL ZONE. THE CONTRACTOR SHALL COORDINATE WITH EDCO, OR APPROVED COMPARABLE WASTE HAULER, FOR RECYCLING AND WASTE DISPOSAL. A LIST OF OTHER APPROVED CONSTRUCTION RECYCLING CENTERS IS AVAILABLE FROM THE COUNTY OF SAN DIEGO. PROVIDE ALL REQUIRED RECYCLING AND WASTE HANDLING DOCUMENTATION PRIOR TO COMMENCING THE WORK.

D. ANY AND ALL DEBRIS RESULTING FROM DEMOLITION AND CONSTRUCTION ACTIVITIES SHALL BE REMOVED FROM THE PROJECT SITE WITHIN 24 HOURS OF COMPLETION OF CONSTRUCTION.

E. THE CONTRACTOR SHALL ENSURE NO DEBRIS, SOIL, SILT, SAND, SAWDUST, RUBBISH, CEMENT OR CONCRETE WASHINGS, AND OIL OR PETROLEUM PRODUCTS FROM DEMOLITION OR CONSTRUCTION ACTIVITIES SHALL BE ALLOWED TO ENTER INTO OR PLACED WHERE IT MAY BE WASHED BY RAINFALL OR RUNOFF INTO COASTAL WATERS.

F. ANY AND ALL DEMOLITION OR CONSTRUCTION DEBRIS DISCHARGED INTO COASTAL WATERS SHALL BE RETRIEVED IMMEDIATELY AND DISPOSED OF IN A COVERED RECYCLING OR TRASH CONTAINER. THE CONTRACTOR SHALL HAVE AVAILABLE ADEQUATE PERSONNEL AND EQUIPMENT FOR ANY SUCH RETRIEVAL.

G. REASONABLE AND PRUDENT MEASURES SHALL BE TAKEN BY THE CONTRACTOR TO PREVENT ANY DISCHARGE OF FUEL OR OILY WASTE FROM HEAVY MACHINERY, CONSTRUCTION EQUIPMENT, OR POWER TOOLS INTO COASTAL WATERS. THE CONTRACTOR SHALL HAVE ADEQUATE EQUIPMENT AVAILABLE TO CONTAIN ANY SUCH DISCHARGE IMMEDIATELY.

H. NO CONCRETE OR ASPHALT RUBBLE SHALL BE PLACED WITHIN THE EELGRASS RESTORATION SITE, THE WATERS OF SAN DIEGO BAY, OR ANY OTHER WATER BODY. ALL RUBBLE SHALL BE EXPORTED OFFSITE TO AN APPROVED RECYCLING FACILITY.

LANDSIDE BMPS

A. INSTALL GRAVEL BAG BERM, OR SIMILAR BMP IN ACCORDANCE WITH THE SWPPP, AT LIMIT OF WORK PERIMETER UNLESS OTHERWISE NOTED ON THE PLANS. MAINTAIN THE GRAVEL BAG BERMS SO THAT IT REMAINS FUNCTIONAL FOR THE DURATION OF THE WORK.

B. INSTALL OIL-ABSORBENT ROLLS AT THE TOP OF THE LAUNCH RAMP, SEAWALL OPENING, AND ALONG ANY SURFACES SLOPED TOWARD COASTAL WATERS. MAINTAIN THE OIL-ABSORBENT ROLLS FOR THE DURATION OF THE WORK.

C. ERODED SEDIMENTS AND POLLUTANTS SHALL BE RETAINED ON SITE AND SHALL NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSE, OR WIND.

D. SEDIMENTS AND OTHER MATERIALS SHALL NOT BE TRACKED FROM THE PROJECT SITE BY VEHICLE TRAFFIC. ACCIDENTAL SEDIMENT DEPOSITIONS SHALL BE SWEPT UP IMMEDIATELY AND SHALL NOT BE WASHED DOWN BY RAIN OR BY ANY OTHER MEANS.

IN-WATER BMPS

A. PRESERVATIVE FOR TIMBER TREATMENTS SHALL BE ALKALINE COPPER QUATERNARY (ACQ) OR AMMONIACAL COPPER ZINC ARSENATE (ACZA), LISTED IN ORDER OF PREFERENCE.

B. MACHINERY OR DEMOLITION CONSTRUCTION MATERIALS NOT ESSENTIAL FOR BRIDGE FOR PERSONAL VEHICLES, PROJECT IMPROVEMENTS SHALL NOT BE ALLOWED AT ANY TIME IN THE SUBTIDAL OR INTERTIDAL ZONE.

C. THE CONTRACTOR SHALL MAINTAIN NO-WAKE SPEEDS FOR ALL VESSELS UTILIZED DURING DEMOLITION AND CONSTRUCTION AND SHALL NOT OPERATE VESSELS IN AREAS SUPPORTING EELGRASS UNLESS REQUIRED TO PERFORM THE WORK SHOWN ON THE PLANS. MAINTAIN THE MINIMUM DISTANCE NECESSARY TO AVOID PROP WASH AND POSSIBLE VESSEL GROUNDING THAT WOULD IMPACT EELGRASS BEDS.

D. WHEN DEMOLITION ACTIVITIES INVOLVE SIGNIFICANT REMOVAL OF STRUCTURES FROM THE WATER, FLOATING BOOMS WITH SILT CURTAINS SHALL BE USED TO CONTAIN DEBRIS AROUND THE STRUCTURE(S). ALL NON-BUOYANT DEBRIS DISCHARGED INTO COASTAL WATERS SHALL BE RECOVERED BY DIVERS AS SOON AS POSSIBLE AFTER LOSS, BUT NO LATER THAN AT THE END OF EACH DAY. CONTRACTORS SHALL HAVE AVAILABLE STAFF AND EQUIPMENT TO COLLECT DEBRIS IN A TIMELY MANNER.

E. FLOATING BOOMS SHALL BE DEPLOYED TO CONTAIN DEBRIS DURING DOCK DEMOLITION, DOCK PLACEMENT, PLATFORM CONSTRUCTION, AND BOAT LAUNCH RAMP CONSTRUCTION ACTIVITIES.

F. FLOATING BOOMS WITH SILT CURTAINS SHALL BE USED TO CONTROL TURBIDITY DURING ROCKWORK ACTIVITIES, DREDGING ACTIVITIES, AND DREDGED MATERIAL PLACEMENT AT THE EELGRASS RESTORATION SITE. THE SILT CURTAIN SHALL BE ANCHORED SECURELY TO TEMPORARILY DRIVEN PIPE STOP TO PREVENT DRIFT THAT COULD IMPACT ADJACENT EELGRASS BEDS. SILT CURTAIN DEPLOYMENT, DREDGING ACTIVITIES, AND DREDGED MATERIAL PLACEMENT AT THE EELGRASS RESTORATION SITES SHALL BE MONITORED BY A QUALIFIED BIOLOGICAL MONITOR APPROVED BY THE PORT DISTRICT TO AVOID ADVERSE EFFECTS TO ADJACENT EELGRASS HABITAT.

G. TURBIDITY PLUMES GENERATED BY DEMOLITION OR CONSTRUCTION ACTIVITIES SHALL BE MONITORED CONTINUOUSLY BY THE CONTRACTOR. ALL TURBIDITY GENERATED BY THE DEMOLITION OR CONSTRUCTION ACTIVITIES SHALL BE CONTAINED WITHIN THE CONFINES OF THE SILT CURTAIN. IF VISIBLE TURBIDITY PLUMES ARE OBSERVED OUTSIDE OF THE PERIMETER OF THE SILT CURTAIN, THE CONTRACTOR SHALL IMMEDIATELY SUSPEND OPERATIONS IN THE AFFECTED AREA UNTIL COMPLIANCE WITH THIS CONDITION IS RESUMED. FOR THE PURPOSE OF MONITORING, TURBIDITY SHALL BE DEFINED AS ANY CHANGE IN THE AMBIENT CONDITION OF CLARITY OF THE WATER COLUMN BY USE OF A SECCHI DISK.

PILE REMOVAL AND DRIVING ACTIVITIES

A. PILE REMOVAL AND DRIVING ACTIVITIES SHALL BE CONDUCTED IN A MANNER THAT MINIMIZES DISTURBANCE TO BENTHIC SUBSTRATES AND TO MARINE LIFE.

B. WHEN REMOVING PILES, THE CONTRACTOR SHALL FIRST HIT OR VIBRATE PILES TO BREAK THE BOND WITH THE SEDIMENT. REMOVE PILES SLOWLY TO MINIMIZE TURBIDITY. ACTIVITIES SHALL BE PERFORMED BETWEEN APRIL 1 AND SEPTEMBER 15 OF A GIVEN YEAR.

D. JETTING OF PILES SHALL BE TO THE DEPTHS SHOWN ON THE PLANS AND LISTED IN THE CONTRACT SPECIFICATIONS. CONTRACTOR SHALL IMPACT DRIVE FINAL 5 FEET TO TIP ELEVATION. JETTING OF PILES SHALL BE IN ACCORDANCE WITH CONTRACT DOCUMENTS AND REQUIREMENTS OF MMRP AND REGULATORY PERMITS.

E. PRIOR TO BEGINNING IMPACT PILE DRIVING ACTIVITIES, THE CONTRACTOR SHALL STRIKE THE PILE WITH 4 SHORT BLOWS FOLLOWED BY A 5-MINUTE DEAD PERIOD TO ENCOURAGE SEA TURTLES TO LEAVE THE PROJECT SITE. PILE DRIVING ACTIVITIES SHALL CEASE IF A SEA TURTLE IS OBSERVED WITHIN A 100-FOOT RADIUS OR IF A MARINE MAMMAL IS OBSERVED WITHIN A 500-FOOT RADIUS OF THE PILE DRIVING PERIMETER. WORK MAY RESUME ONCE THE ANIMALS HAVE LEFT THEIR RESPECTIVE RADII.

CONCRETE PLACEMENT

A. EMPLOY METHODS TO PREVENT PLACEMENT OR DISCHARGE OF CEMENT OR CONCRETE PRODUCTS, CEMENT OR CONCRETE WASHINGS, AND OR CONCRETE DEBRIS INTO STORM DRAINS OR COASTAL WATERS. PREVENTION METHODS INCLUDE LIMITING OVER-WATER CONCRETE WORK AND PROPER DESIGN OF FORMWORK TO PREVENT OVERFLOW OF PLACED CONCRETE. EXEMPT FROM THIS REQUIREMENT ARE CONCRETE AND GROUT FORMULATED FOR IN-WATER PLACEMENT AND CURING OF IN-WATER AND OVER-WATER WORK NOTED ON THE PLANS.

B. EXCESS OR WASTE CONCRETES SHALL NOT BE WASHED INTO ANY STORM DRAINS, PUBLIC WAY, OR THE WATERS OF SAN DIEGO BAY. CONCRETE WASHOUT AREAS SHALL BE PROVIDED AS SHOWN ON THE PLANS AND LOCATED A MINIMUM OF 50 FEET FROM STORM DRAINS AND COASTAL WATERS.

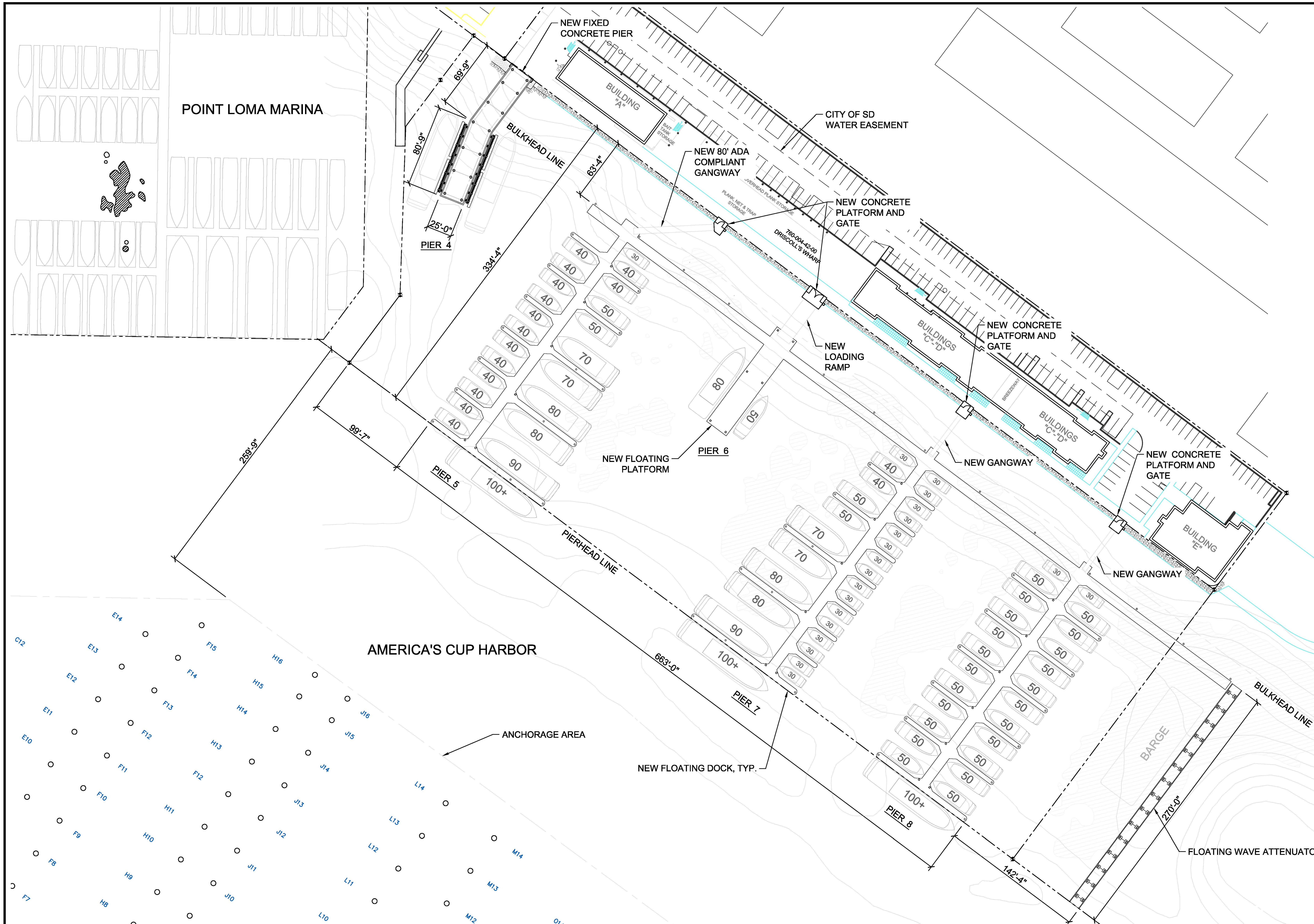
C. NO CONCRETE SHALL BE PLACED IF RAIN IS IMMINENT OR FORECASTED WITH A 50 OR GREATER CHANCE OF OCCURRENCE.

RECORD DRAWING REVIEWED BY: ENGINEER OF RECORD DATE	NOTE: THIS DRAWING MAY BE A REDUCED SCALE PRINT OF THE ORIGINAL DRAWING. UTILIZE GRAPHIC SCALES TO VERIFY IF DRAWING IS A REDUCTION, AND ADJUST SCALES ACCORDINGLY TO THE GRAPHIC SCALES SHOWN.	SPEC NO. WBS NO. REFERENCES PROJECT ENGINEER CONTRACTOR - CONSTRUCTION STARTED - CONSTRUCTION COMPLETED - COST - INSPECTOR -	50% DESIGN SUBMITTAL 02/29/2024 REVISIONS DATE / APPROVED

PORT of SAN DIEGO
Waterfront of Opportunity

DESIGNED TEG DRAWN TEG CHECKED JVP	APPROVAL RECOMMENDED PROJECT MANAGER APPROVED ENGINEERING MANAGER	SAN DIEGO, CALIFORNIA *DRISCOLL'S WHARF WATERSIDE IMPROVEMENTS*	DATE 02/29/24 A/E NO. SHEET 3 OF 24 DRAWING NO. EM-XXXX-XX REV. A

T:\PROJECTS\23-2852 Driscolls Wharf Waterside Improvements\50 Drawing Layout\03.dwg / Mar 04, 2024 - 9:59am / CAD Machine



SLIP MIX CHART

LENGTH (FT)	TOTAL	LF OF BERTHING	%
30	20	600	26.7
40	16	640	21.3
50	26	1300	34.7
70	4	280	5.3
80	4	320	5.3
90	2	180	2.7
100	3	300	4.0
TOTALS	75	3620	100.0
AVERAGE LENGTH		48	

BOTTOM SHADING

AREA	SF
DOCKS	27951.5
ATTENUATOR	3244
GANGWAYS	1368.3
PLATFORMS	698.3
FIXED PIER	3670.0
TOTAL	36932.1

RECORD DRAWING
REVIEWED BY:

ENGINEER OF RECORD

DATE

NOTE:
THIS DRAWING MAY BE A REDUCED SCALE PRINT OF THE ORIGINAL DRAWING. UTILIZE GRAPHIC SCALES TO VERIFY IF DRAWING IS A REDUCTION, AND ADJUST SCALES ACCORDINGLY TO THE GRAPHIC SCALES SHOWN.

SPEC NO. WBS NO.	50% DESIGN SUBMITTAL	02/29/2024
REFERENCES		
PROJECT ENGINEER		
CONTRACTOR -		
CONSTRUCTION STARTED -		
CONSTRUCTION COMPLETED -		
COST - INSPECTOR -	REVISIONS	DATE / APPROVED

PORT of SAN DIEGO
Waterfront of Opportunity

DESIGNED TEG
DRAWN TEG
CHECKED JVP

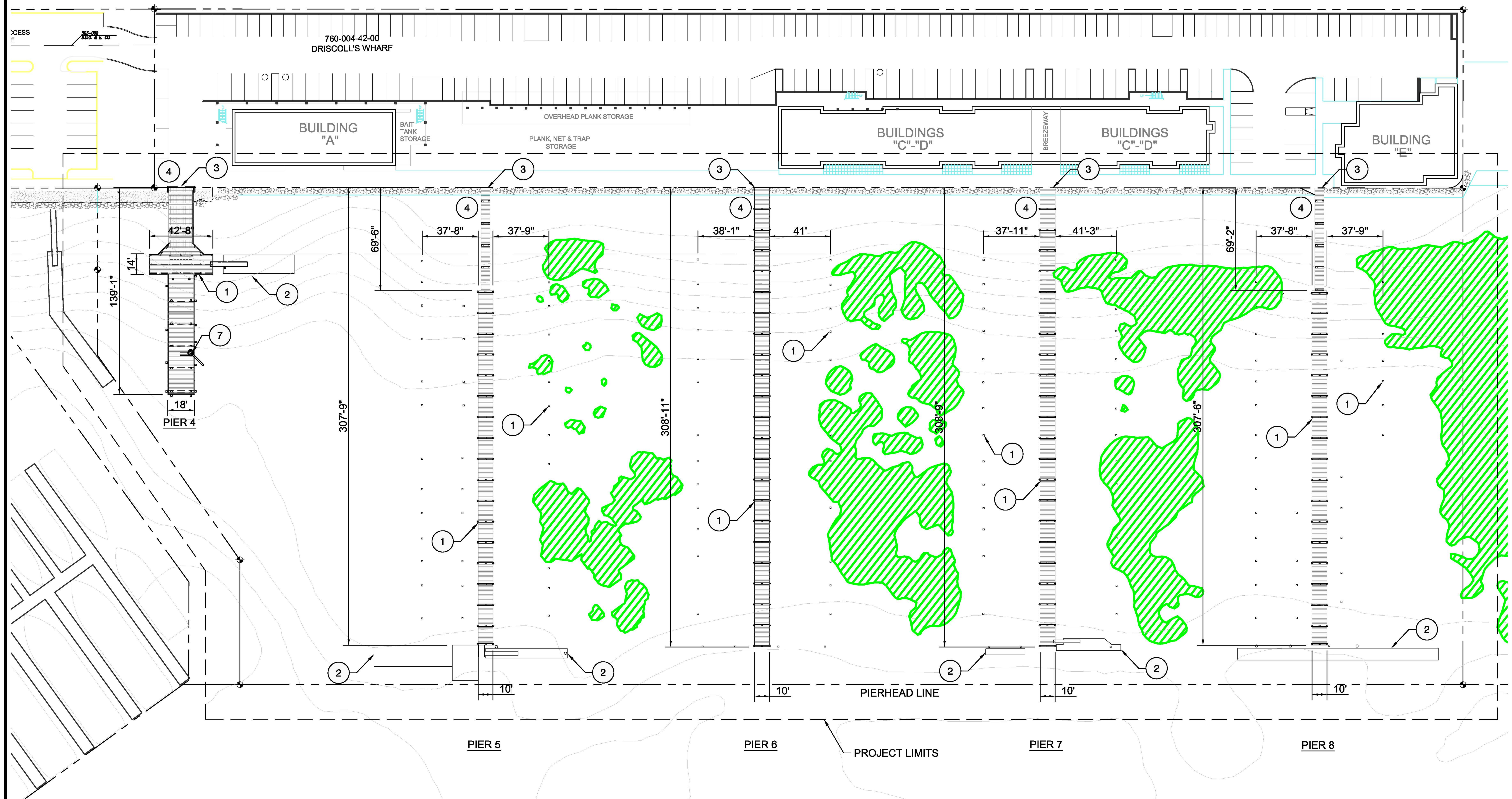
APPROVAL RECOMMENDED
PROJECT MANAGER
APPROVED
ENGINEERING MANAGER

SAN DIEGO, CALIFORNIA

DRISCOLL'S WHARF WATERSIDE IMPROVEMENTS

DATE 02/29/24
A/E NO.
SHEET 4 OF 24
DRAWING NO. EM-XXXX-XX
REV. A

T:\PROJECTS\23-2852 Driscolls Wharf Waterside Improvements\50 Drawing Layout\05.dwg / Mar 04, 2024 - 10:49am / CAD Machine



EXISTING SITE PLAN

NORTH

0 40' 80' 120'

1" = 40'

DEMOLITION NOTES:

1. REMOVE EXISTING PIERS, PILES, MOORING PILES, AND ASSOCIATED HARDWARE.
2. REMOVE EXISTING DOCKS, GANGWAYS, GUIDE PILES, AND ASSOCIATED HARDWARE.
3. REMOVE EXISTING ABUTMENTS, GATE, RAILINGS AND APPURTENANCES.
4. DISCONNECT AND REMOVE EXISTING ELECTRICAL AND COMMUNICATION PANELS AND BOXES.
5. DISCONNECT AND SHUT-OFF OR CAP EXISTING DOMESTIC WATER LINES.
6. REMOVE EXISTING EXISTING PAVEMENT FOR FIRE WATER LINE WORK AND ELECTRICAL CONDUIT.
7. REMOVE AND STORE EXISTING JIB CRANE FOR RE-USE.

BOTTOM SHADING	
AREA	SF
PIER 4	2810.0
PIER 5	2810.0
PIER 6	3110.0
PIER 7	3110.0
PIER 8	2805.0
FLOATING DOCKS	2480.0
TOTAL	17125.0

RECORD DRAWING

REVIEWED BY:

ENGINEER OF RECORD

DATE

NOTE:
THIS DRAWING MAY BE A REDUCED SCALE PRINT OF THE ORIGINAL DRAWING. UTILIZE GRAPHIC SCALES TO VERIFY IF DRAWING IS A REDUCTION, AND ADJUST SCALES ACCORDINGLY TO THE GRAPHIC SCALES SHOWN.

SPEC NO. WBS NO.
REFERENCES
PROJECT ENGINEER
CONTRACTOR -
CONSTRUCTION STARTED -
CONSTRUCTION COMPLETED -
COST - INSPECTOR -

REVISIONS	DATE / APPROVED
50% DESIGN SUBMITTAL	02/29/2024

PORT of SAN DIEGO
Waterfront of Opportunity

DESIGNED TEG
DRAWN TEG
CHECKED JVP

APPROVAL RECOMMENDED
PROJECT MANAGER
APPROVED
ENGINEERING MANAGER

SAN DIEGO, CALIFORNIA

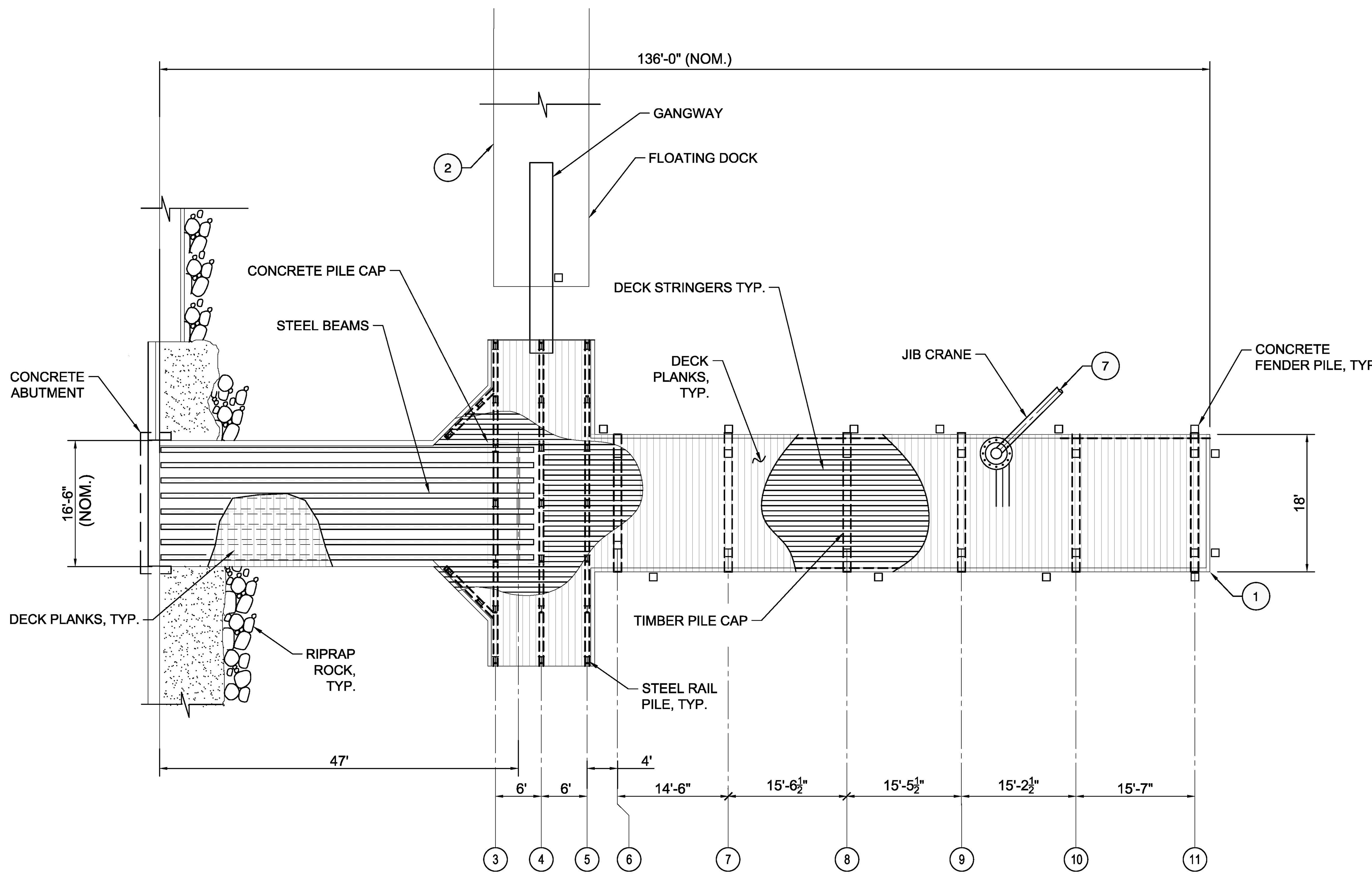
DRISCOLL'S WHARF WATERSIDE IMPROVEMENTS

DATE 02/29/24
A/E NO.
SHEET 5 OF 24
DRAWING NO. EM-XXXX-XX
REV. A

T:\PROJECTS\23-2852 Driscolls Wharf Waterside Improvements\50 Drawing Layout\04.dwg / Mar 04, 2024 - 11:53am / CAD Machine

DEMOLITION NOTES:

1. REMOVE EXISTING PIER, PILES, FENDER PILES, AND ASSOCIATED HARDWARE.
2. REMOVE EXISTING DOCK, GANGWAY, GUIDE PILES, AND ASSOCIATED HARDWARE.
3. REMOVE EXISTING ABUTMENT.
4. DISCONNECT AND REMOVE EXISTING ELECTRICAL AND COMMUNICATION PANELS AND BOXES.
5. DISCONNECT AND SHUT-OFF OR CAP EXISTING DOMESTIC WATER LINES.
6. REMOVE EXISTING EXISTING PAVEMENT FOR FIRE WATER LINE WORK AND ELECTRICAL CONDUIT.
7. REMOVE AND STORE EXISTING JIB CRANE FOR RE-USE.



1 D1 | D2 EXISTING PLAN - PIER 4

NORTH

0 10' 20' 30'

1" = 10'

RECORD DRAWING	NOTE:	SPEC NO. WBS NO.	50% DESIGN SUBMITTAL	02/29/2024
REVIEWED BY:	THIS DRAWING MAY BE A REDUCED SCALE PRINT OF THE ORIGINAL DRAWING. UTILIZE GRAPHIC SCALES TO VERIFY IF DRAWING IS A REDUCTION, AND ADJUST SCALES ACCORDINGLY TO THE GRAPHIC SCALES SHOWN.	REFERENCES		
ENGINEER OF RECORD		PROJECT ENGINEER		
		CONTRACTOR -		
		CONSTRUCTION STARTED -		
		CONSTRUCTION COMPLETED -		
DATE		COST - INSPECTOR -	REVISIONS	DATE / APPROVED

PORT of SAN DIEGO
Waterfront of Opportunity

DESIGNED	TEG	APPROVAL RECOMMENDED
DRAWN	TEG	PROJECT MANAGER
CHECKED	JVP	APPROVED / ENGINEERING MANAGER

SAN DIEGO, CALIFORNIA

DRISCOLL'S WHARF WATERSIDE IMPROVEMENTS

DATE	02/29/24
A/E NO.	
SHEET	6 OF 24
DRAWING NO.	EM-XXXX-XX
REV.	A

T:\PROJECTS\23-2852 Driscolls Wharf Waterside Improvements\50 Drawing Layout\04.dwg / Mar 04, 2024 - 11:53am / CAD Machine

2 D1 D3 EXISTING PLAN - PIER 5

SCALE: 3/32" = 1'-0"

NORTH

DEMOLITION NOTES:

1. REMOVE EXISTING PIER, PILES, MOORING PILES, AND ASSOCIATED HARDWARE.
2. REMOVE EXISTING DOCK, GANGWAYS, GUIDE PILES, AND ASSOCIATED HARDWARE.
3. REMOVE EXISTING ABUTMENTS, GATE, RAILINGS AND APPURTENANCES.
4. DISCONNECT AND REMOVE EXISTING ELECTRICAL AND COMMUNICATION PANELS AND BOXES.
5. DISCONNECT AND SHUT-OFF OR CAP EXISTING DOMESTIC WATER LINES.
6. REMOVE EXISTING EXISTING PAVEMENT FOR FIRE WATER LINE WORK AND ELECTRICAL CONDUIT.

RECORD DRAWING
REVIEWED BY:
ENGINEER OF RECORD
DATE

NOTE:
THIS DRAWING MAY BE A REDUCED SCALE PRINT OF THE ORIGINAL DRAWING. UTILIZE GRAPHIC SCALES TO VERIFY IF DRAWING IS A REDUCTION, AND ADJUST SCALES ACCORDINGLY TO THE GRAPHIC SCALES SHOWN.

SPEC NO. WBS NO.
REFERENCES
PROJECT ENGINEER
CONTRACTOR -
CONSTRUCTION STARTED -
CONSTRUCTION COMPLETED -
COST - INSPECTOR -

REVISIONS	DATE / APPROVED
50% DESIGN SUBMITTAL	02/29/2024

PORT of SAN DIEGO
Waterfront of Opportunity

DESIGNED TEG
DRAWN TEG
CHECKED JVP

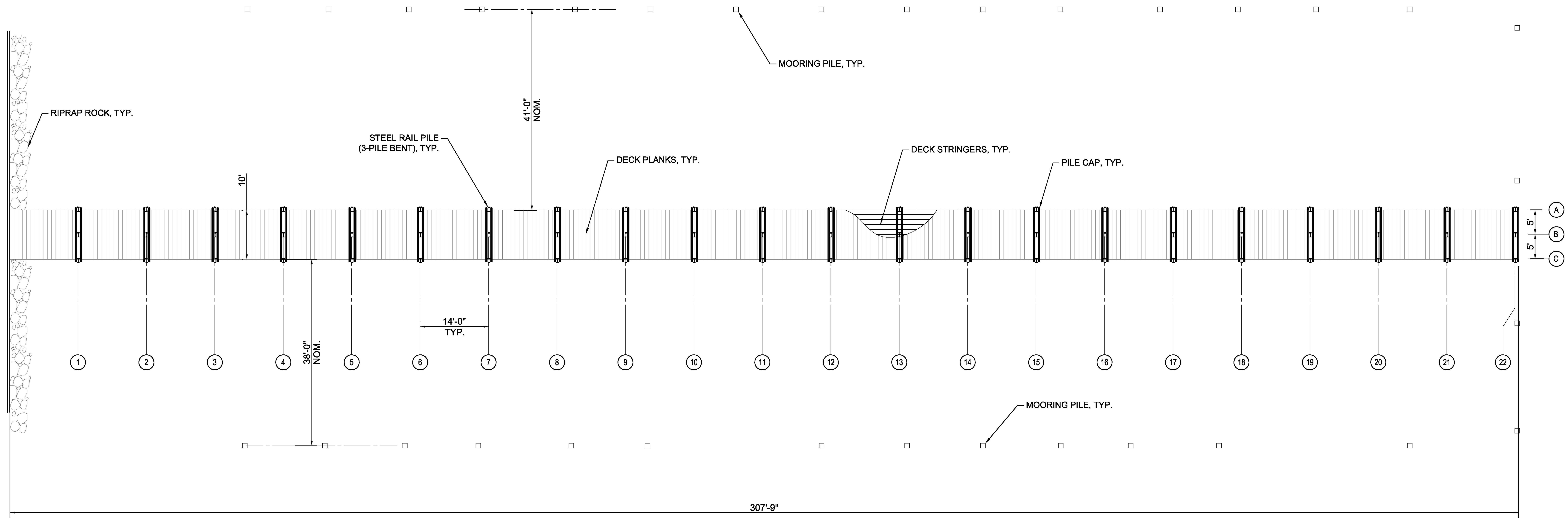
APPROVAL RECOMMENDED
PROJECT MANAGER
APPROVED
ENGINEERING MANAGER

SAN DIEGO, CALIFORNIA

DRISCOLL'S WHARF WATERSIDE IMPROVEMENTS

DATE 02/29/24
A/E NO.
SHEET 7 OF 24
DRAWING NO. EM-XXXX-XX
REV. A

T:\PROJECTS\23-2852 Driscolls Wharf Waterside Improvements\50 Drawing Layout\04.dwg / Mar 04, 2024 - 11:53am / CAD Machine



3 EXISTING PLAN - PIER 6

D1 | D4

SCALE: 3/32" = 1'-0"

NORTH

DEMOLITION NOTES:

1. REMOVE EXISTING PIER, PILES, MOORING PILES, AND ASSOCIATED HARDWARE.
2. REMOVE EXISTING DOCK, GANGWAYS, GUIDE PILES, AND ASSOCIATED HARDWARE.
3. REMOVE EXISTING ABUTMENTS, GATE, RAILINGS AND APPURTENANCES.
4. DISCONNECT AND REMOVE EXISTING ELECTRICAL AND COMMUNICATION PANELS AND BOXES.
5. DISCONNECT AND SHUT-OFF OR CAP EXISTING DOMESTIC WATER LINES.
6. REMOVE EXISTING EXISTING PAVEMENT FOR FIRE WATER LINE WORK AND ELECTRICAL CONDUIT.

RECORD DRAWING
REVIEWED BY:
ENGINEER OF RECORD
DATE

NOTE:
THIS DRAWING MAY BE A REDUCED SCALE PRINT OF THE ORIGINAL DRAWING. UTILIZE GRAPHIC SCALES TO VERIFY IF DRAWING IS A REDUCTION, AND ADJUST SCALES ACCORDINGLY TO THE GRAPHIC SCALES SHOWN.

SPEC NO.	WBS NO.	50% DESIGN SUBMITTAL	02/29/2024
REFERENCES			
PROJECT ENGINEER			
CONTRACTOR -			
CONSTRUCTION STARTED -			
CONSTRUCTION COMPLETED -			
COST -	INSPECTOR -	REVISIONS	DATE / APPROVED

PORT of SAN DIEGO
Waterfront of Opportunity

DESIGNED TEG
DRAWN TEG
CHECKED JVP

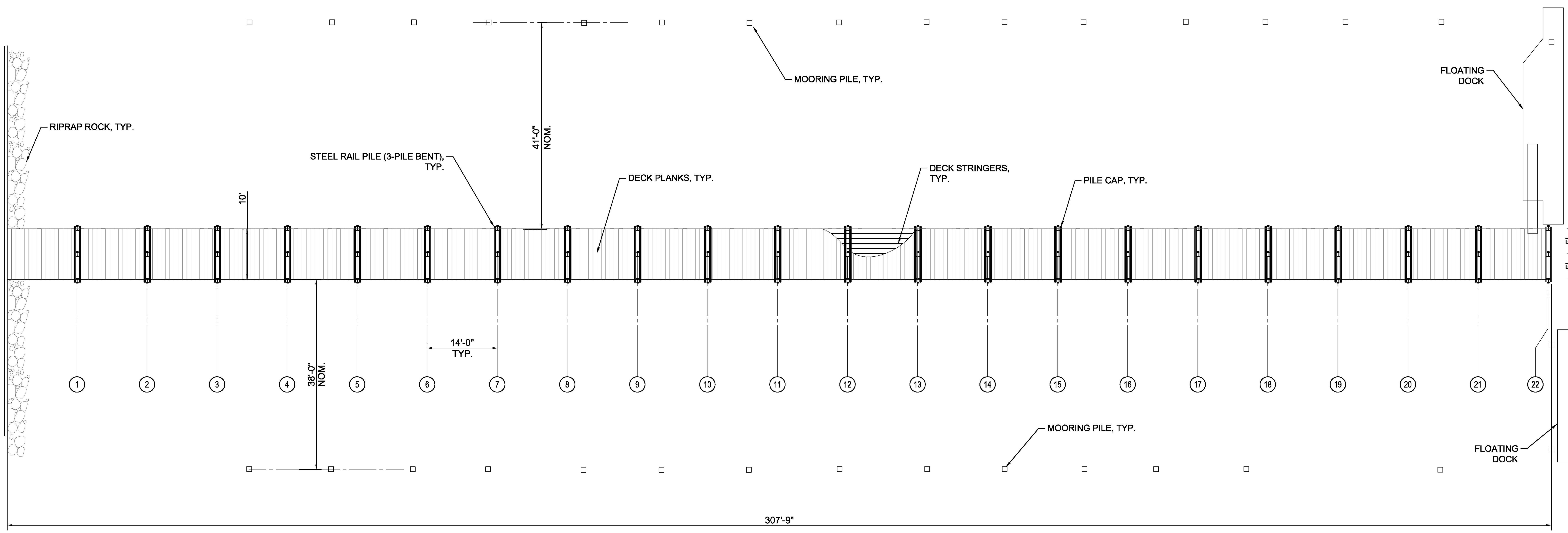
APPROVAL RECOMMENDED
PROJECT MANAGER
APPROVED
ENGINEERING MANAGER

SAN DIEGO, CALIFORNIA

DRISCOLL'S WHARF WATERSIDE IMPROVEMENTS

DATE 02/29/24
A/E NO.
SHEET 8 OF 24
DRAWING NO. EM-XXXX-XX
REV. A

T:\PROJECTS\23-2852 Driscolls Wharf Waterside Improvements\50 Drawing Layout\04.dwg / Mar 04, 2024 - 11:54am / CAD Machine



4 D1 D5 **EXISTING PLAN - PIER 7**

SCALE: 3/32" = 1'-0"

NORTH

DEMOLITION NOTES:

1. REMOVE EXISTING PIER, PILES, MOORING PILES, AND ASSOCIATED HARDWARE.
2. REMOVE EXISTING DOCK, GANGWAYS, GUIDE PILES, AND ASSOCIATED HARDWARE.
3. REMOVE EXISTING ABUTMENTS, GATE, RAILINGS AND APPURTENANCES.
4. DISCONNECT AND REMOVE EXISTING ELECTRICAL AND COMMUNICATION PANELS AND BOXES.
5. DISCONNECT AND SHUT-OFF OR CAP EXISTING DOMESTIC WATER LINES.
6. REMOVE EXISTING EXISTING PAVEMENT FOR FIRE WATER LINE WORK AND ELECTRICAL CONDUIT.

RECORD DRAWING

REVIEWED BY:

ENGINEER OF RECORD

DATE

NOTE:
THIS DRAWING MAY BE A REDUCED SCALE PRINT OF THE ORIGINAL DRAWING. UTILIZE GRAPHIC SCALES TO VERIFY IF DRAWING IS A REDUCTION, AND ADJUST SCALES ACCORDINGLY TO THE GRAPHIC SCALES SHOWN.

SPEC NO.	WBS NO.	50% DESIGN SUBMITTAL	02/29/2024
REFERENCES			
PROJECT ENGINEER			
CONTRACTOR -			
CONSTRUCTION STARTED -			
CONSTRUCTION COMPLETED -			
COST -	INSPECTOR -	REVISIONS	DATE / APPROVED

PORT of SAN DIEGO
Waterfront of Opportunity

DESIGNED TEG	APPROVAL RECOMMENDED	
DRAWN TEG	PROJECT MANAGER	
	APPROVED	
CHECKED JVP	ENGINEERING MANAGER	

SAN DIEGO, CALIFORNIA

DRISCOLL'S WHARF WATERSIDE IMPROVEMENTS

DATE 02/29/24

A/E NO.

SHEET 9 OF 24

DRAWING NO. EM-XXXX-XX

REV. A

T:\PROJECTS\23-2852 Driscolls Wharf Waterside Improvements\50 Drawing Layout\04.dwg / Mar 04, 2024 - 11:54am / CAD Machine

5 EXISTING PLAN - PIER 8

D1 | D6

SCALE: 3/32" = 1'-0"

NORTH

DEMOLITION NOTES:

1. REMOVE EXISTING PIER, PILES, MOORING PILES, AND ASSOCIATED HARDWARE.
2. REMOVE EXISTING DOCK, GANGWAYS, GUIDE PILES, AND ASSOCIATED HARDWARE.
3. REMOVE EXISTING ABUTMENTS, GATE, RAILINGS AND APPURTENANCES.
4. DISCONNECT AND REMOVE EXISTING ELECTRICAL AND COMMUNICATION PANELS AND BOXES.
5. DISCONNECT AND SHUT-OFF OR CAP EXISTING DOMESTIC WATER LINES.
6. REMOVE EXISTING EXISTING PAVEMENT FOR FIRE WATER LINE WORK AND ELECTRICAL CONDUIT.

RECORD DRAWING

REVIEWED BY:

ENGINEER OF RECORD

DATE

NOTE:
THIS DRAWING MAY BE A REDUCED SCALE PRINT OF THE ORIGINAL DRAWING. UTILIZE GRAPHIC SCALES TO VERIFY IF DRAWING IS A REDUCTION, AND ADJUST SCALES ACCORDINGLY TO THE GRAPHIC SCALES SHOWN.

SPEC NO.	WBS NO.	50% DESIGN SUBMITTAL	02/29/2024
REFERENCES			
PROJECT ENGINEER			
CONTRACTOR -			
CONSTRUCTION STARTED -			
CONSTRUCTION COMPLETED -			
COST -	INSPECTOR -	REVISIONS	DATE / APPROVED

PORT of SAN DIEGO
Waterfront of Opportunity

DESIGNED TEG
DRAWN TEG
CHECKED JVP

APPROVAL RECOMMENDED
PROJECT MANAGER
APPROVED
ENGINEERING MANAGER

SAN DIEGO, CALIFORNIA

DRISCOLL'S WHARF WATERSIDE IMPROVEMENTS

DATE 02/29/24
A/E NO.
SHEET 10 OF 24
DRAWING NO. EM-XXXX-XX
REV. A

T:\PROJECTS\23-2852 Driscolls Wharf Waterside Improvements\50 Drawing Layout\04.dwg / Mar 04, 2024 - 11:54am / CAD Machine

PHOTO 1 - LOOKING SOUTH TOWARDS PIER 4 WHARF

PHOTO 2 - LOOKING SOUTH TOWARDS PIER 5

PHOTO 3 - LOOKING SOUTH TOWARDS PIER 6

PHOTO 4 - LOOKING SOUTH TOWARDS PIER 7

PHOTO 5 - LOOKING SOUTH TOWARDS PIER 8

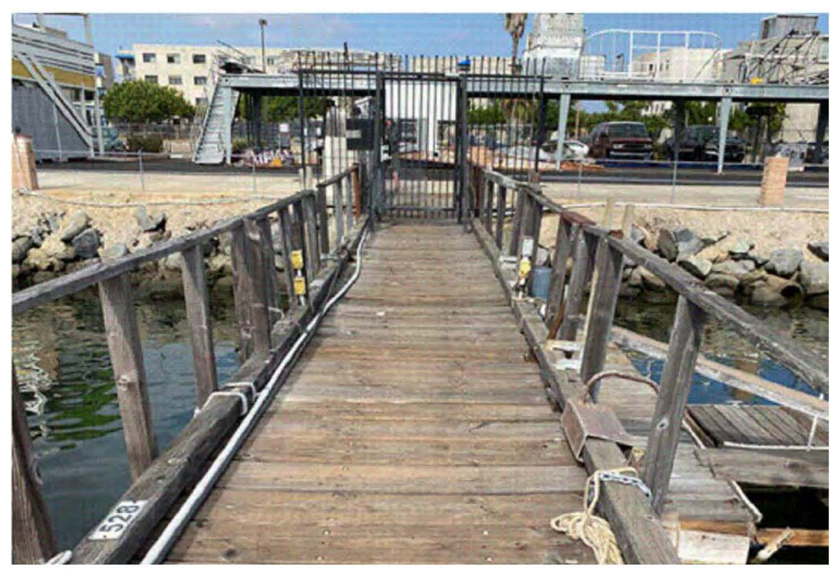


PHOTO 6 - APPROACH TO PIER 5

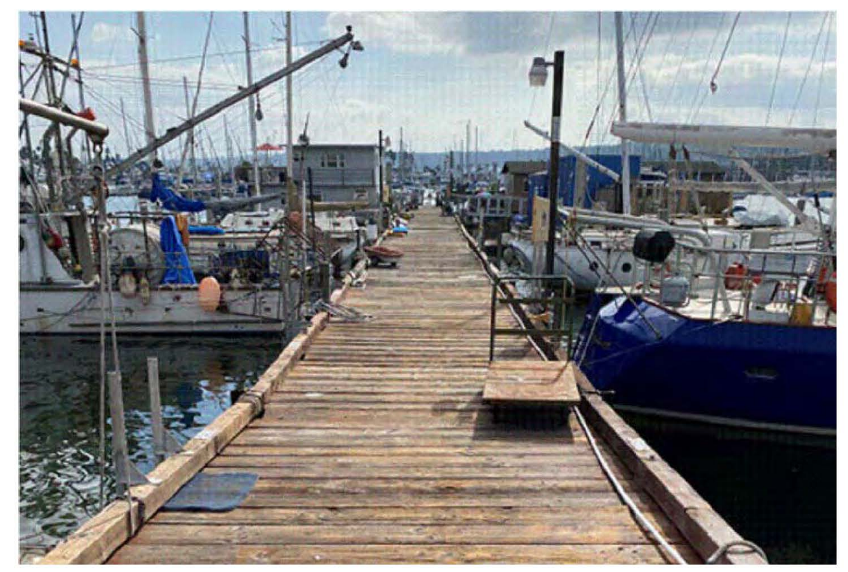


PHOTO 7 - VIEW TO SOUTH OF DECK AT PIER 5

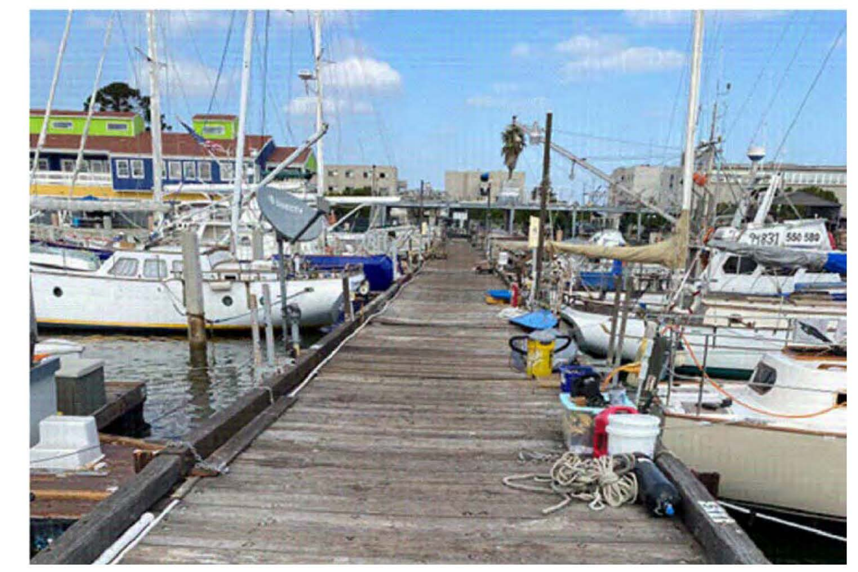


PHOTO 8 - VIEW TO NORTH OF DECK AT PIER 5

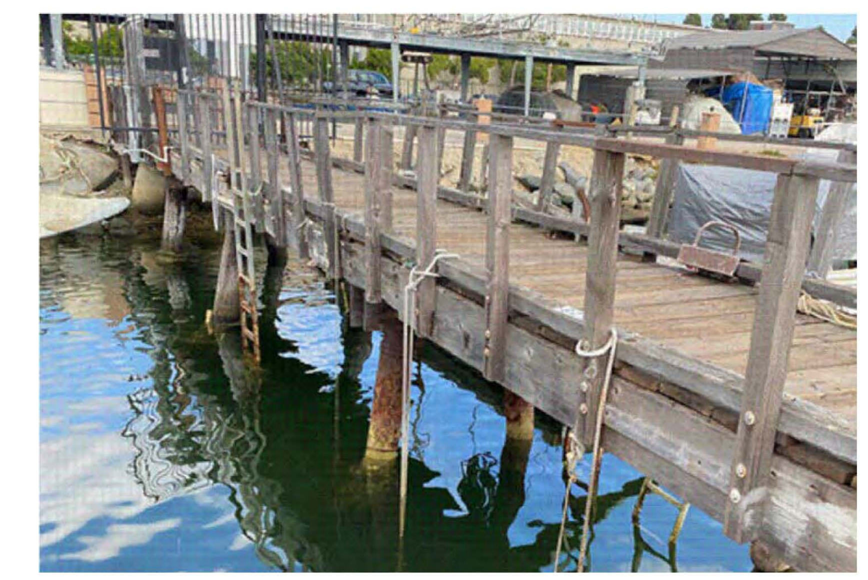


PHOTO 9 - VIEW OF PILE BENTS AT PIER 5 APPROACH

PHOTO 10 - MOORING PILES AT NORTH PIER 6

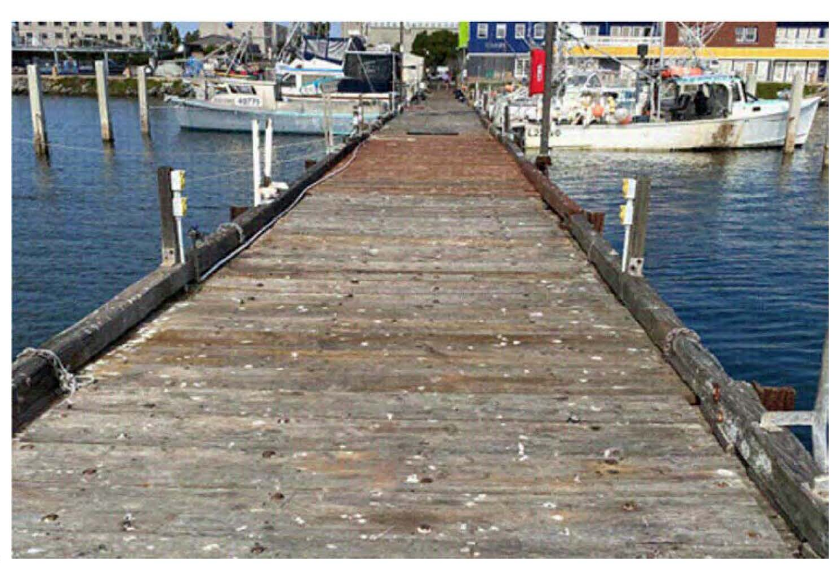


PHOTO 11 - VIEW LOOKING NORTH OF DECK AT PIER 6

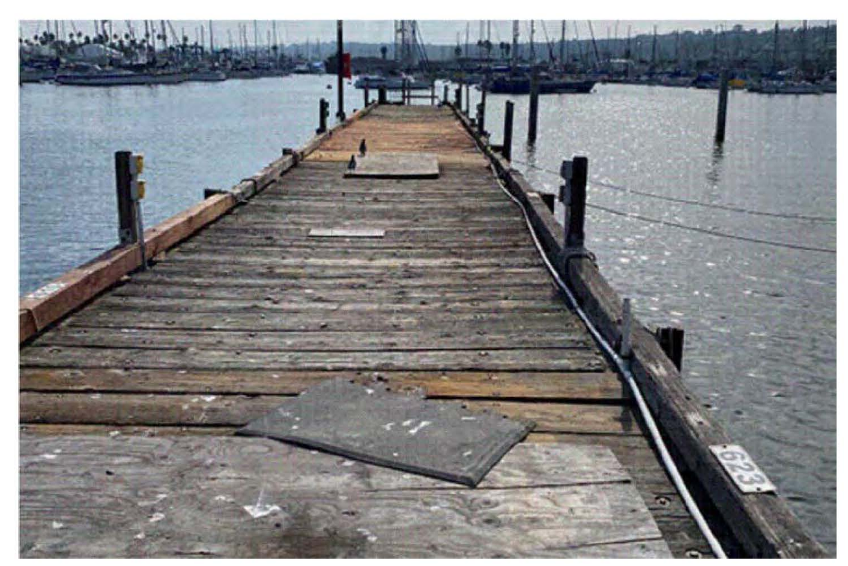


PHOTO 12 - TYPICAL CONDITION OF DECKING

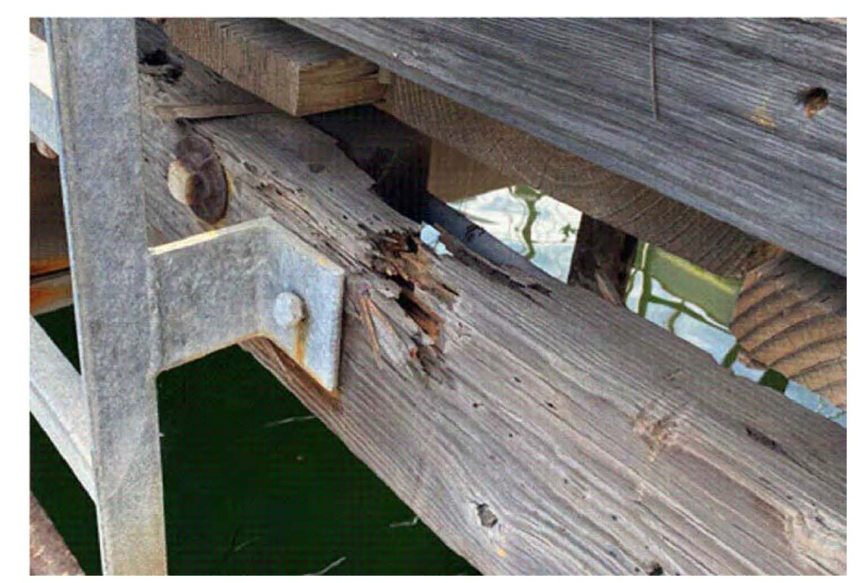


PHOTO 13 - EDGE BEAM AT PIER 6

PHOTO 14 - VIEW OF SOUTH EDGE PIER 6

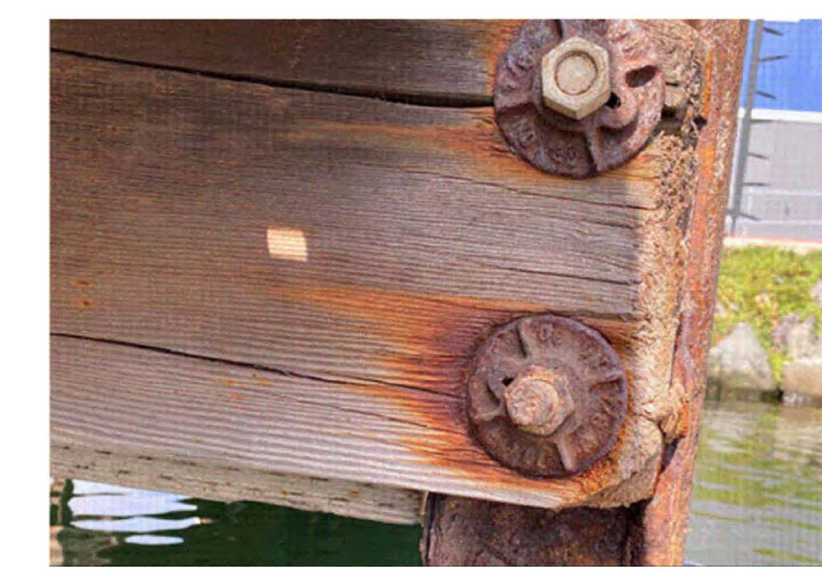


PHOTO 15 - TYP. CAP TO RAIL PILE CONNECTION

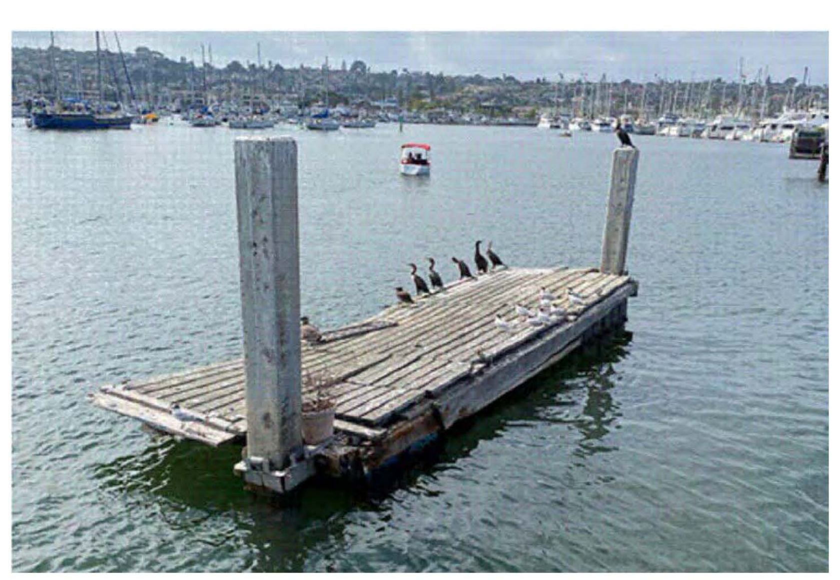


PHOTO 16 - FLOATING DOCK AT PIER 7

PHOTO 17 - MOORING ARRANGEMENT AT PIERS

PHOTO 18 - TYP. CONDITION OF ORIGINAL PLANKS

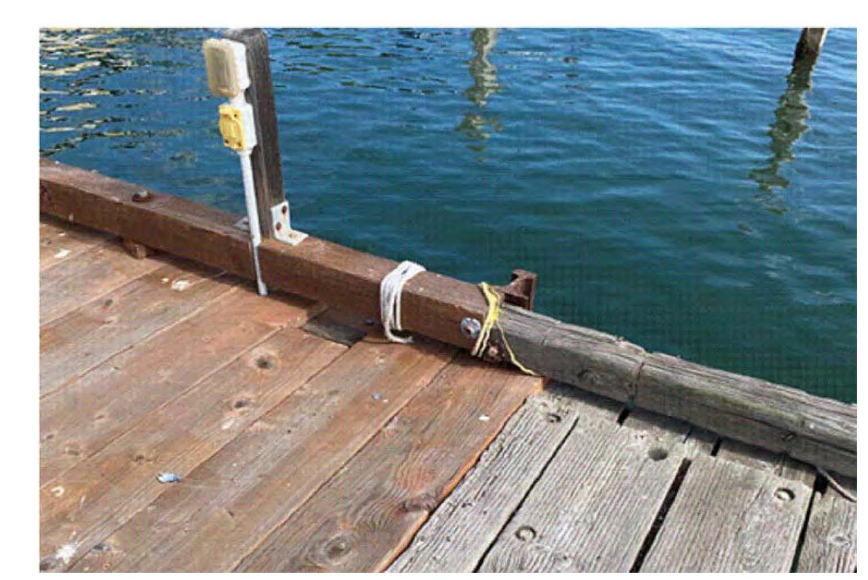


PHOTO 19 - RESTORED DECK PLANKS AND BULLRAIL

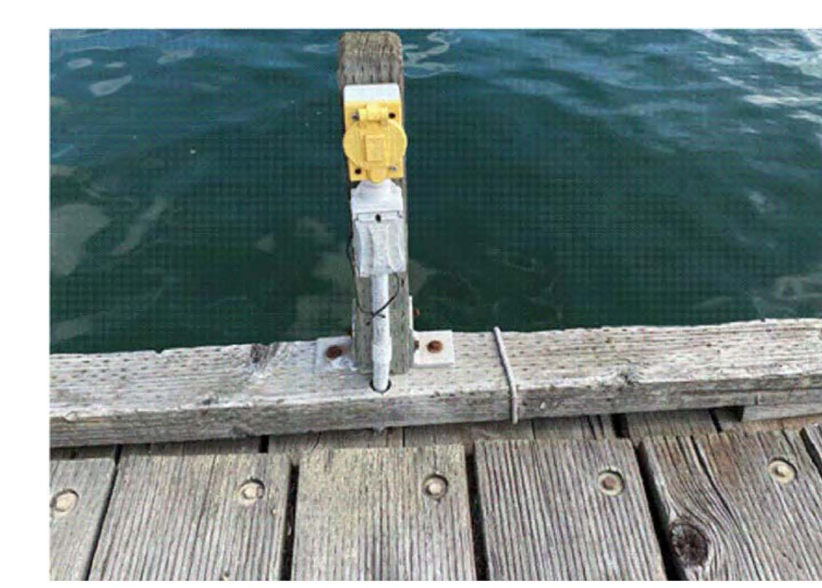


PHOTO 20 - TYPICAL ELECTRICAL RECEPTACLE

RECORD DRAWING

REVIEWED BY:

ENGINEER OF RECORD

DATE

NOTE:
THIS DRAWING MAY BE A REDUCED SCALE PRINT OF THE ORIGINAL DRAWING. UTILIZE GRAPHIC SCALES TO VERIFY IF DRAWING IS A REDUCTION, AND ADJUST SCALES ACCORDINGLY TO THE GRAPHIC SCALES SHOWN.

SPEC NO. WBS NO.	50% DESIGN SUBMITTAL	02/29/2024
REFERENCES		
PROJECT ENGINEER		
CONTRACTOR -		
CONSTRUCTION STARTED -		
CONSTRUCTION COMPLETED -		
COST - INSPECTOR -	REVISIONS	DATE / APPROVED

PORT of SAN DIEGO
Waterfront of Opportunity

DESIGNED TEG	APPROVAL RECOMMENDED
DRAWN TEG	PROJECT MANAGER
	APPROVED
CHECKED JVP	ENGINEERING MANAGER

SAN DIEGO, CALIFORNIA

DRISCOLL'S WHARF WATERSIDE IMPROVEMENTS

DATE 02/29/24
A/E NO.
SHEET 11 OF 24
DRAWING NO. EM-XXXX-XX
REV. A

T:\PROJECTS\23-2852 Driscolls Wharf Waterside Improvements\50 Drawing Layout\04.dwg / Mar 04, 2024 - 11:55am / CAD Machine

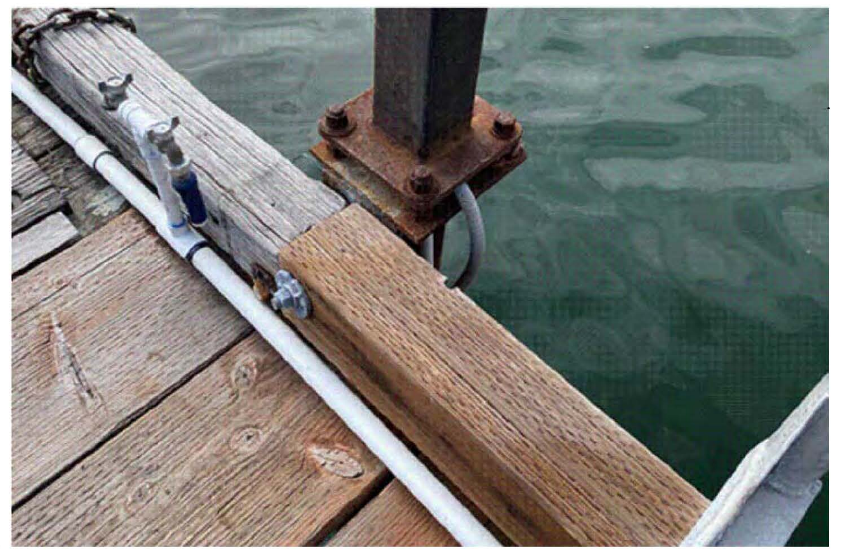


PHOTO 21 - TYP. LIGHT POLE BASE AT STEEL RAIL PILE

PHOTO 22 - CONDITION OF PIER 8 ABUTMENT

PHOTO 23 - PIER 8 ABUTMENT

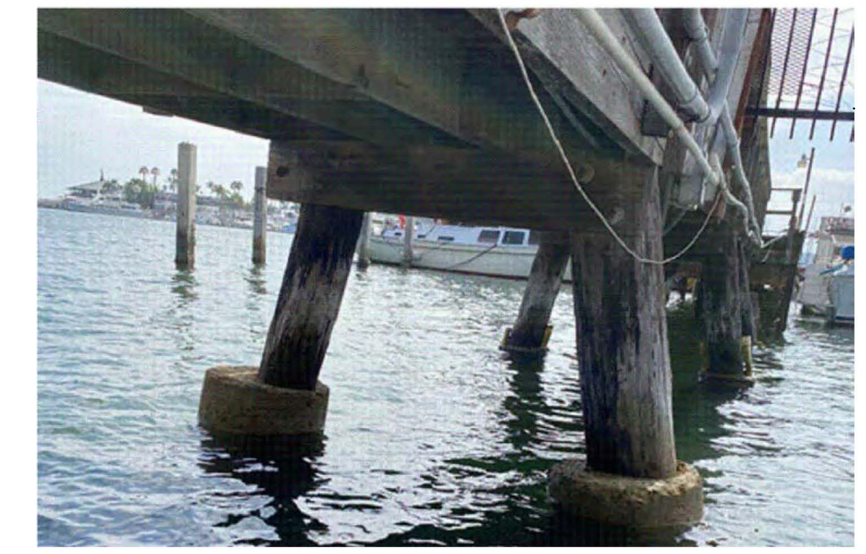


PHOTO 24 - ENCASED TIMBER PILES AT PIER 8

PHOTO 25 - APPROACH AND SECURITY GATE AT PIER 8

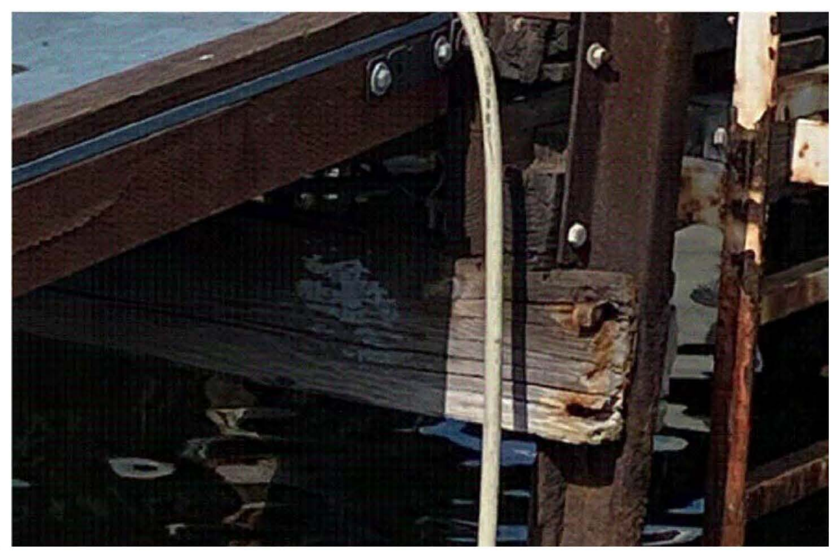


PHOTO 26 - TYP. PILE CAP CONDITION

PHOTO 27 - 89 FT LONG MOORING PILE W/ MARKINGS

PHOTO 28 - GENERAL CONDITION OF STEEL RAIL PILE

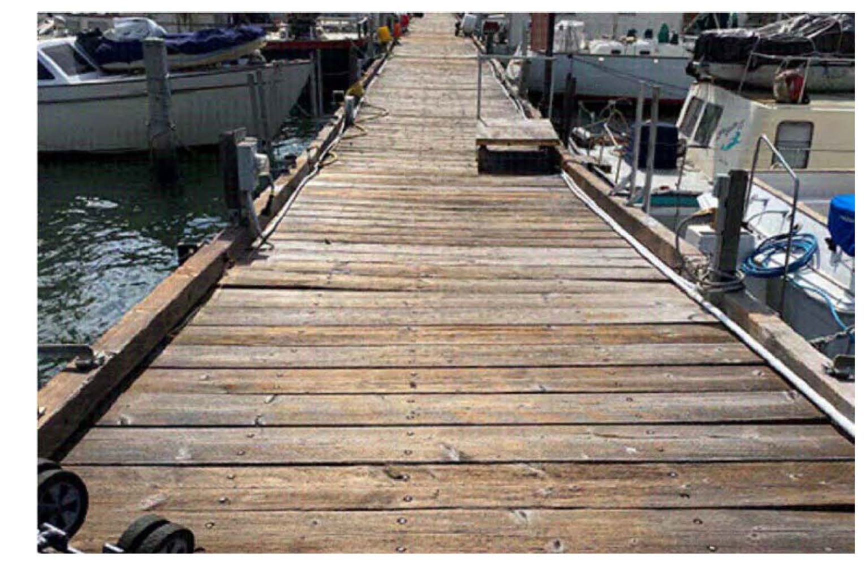


PHOTO 29 - DECKING AT PIER 8

PHOTO 30 - TYP. EDGE BEAM AND PILE SUPPORT

PHOTO 31 - CLOSEUP VIEW OF DECK SCREWS

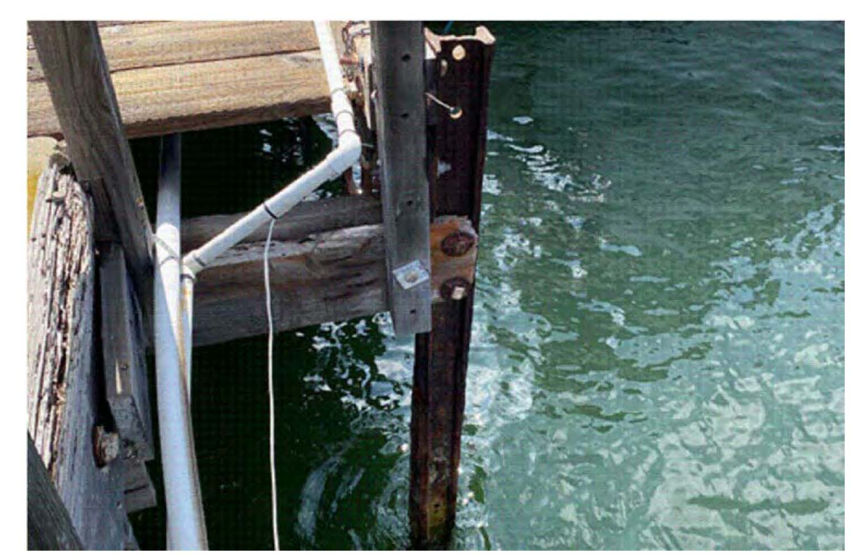


PHOTO 32 - TYP. CAP TO RAIL PILE CONNECTION

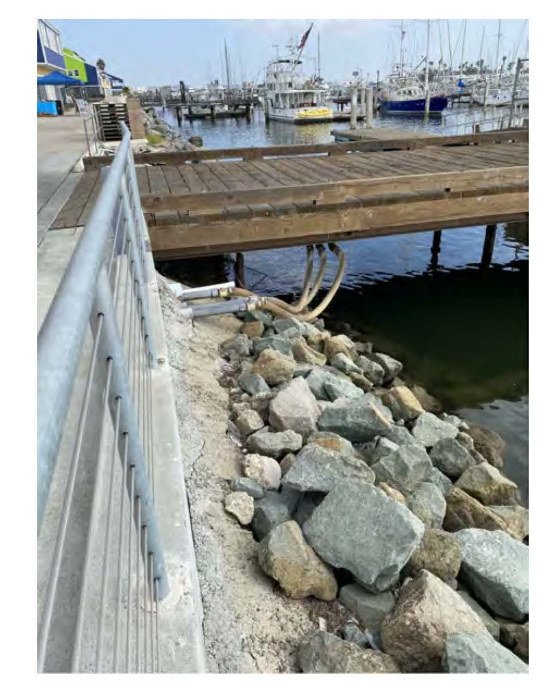


PHOTO 33 - APPROACH AT PIER 4

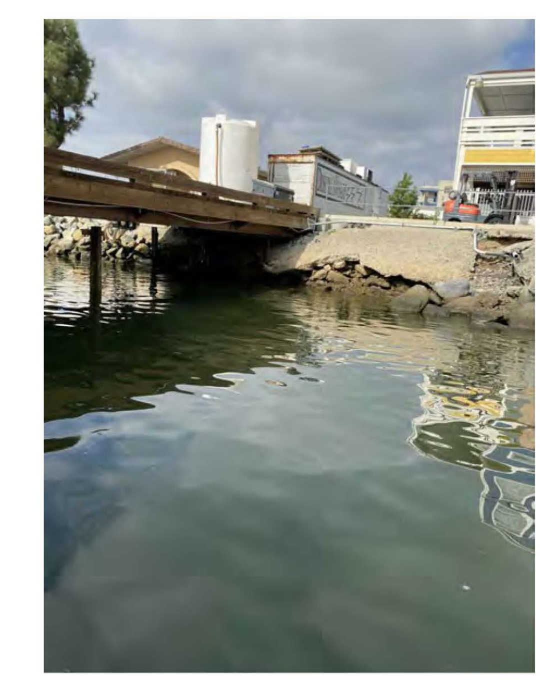


PHOTO 34 - ABUTMENT AT PIER 4

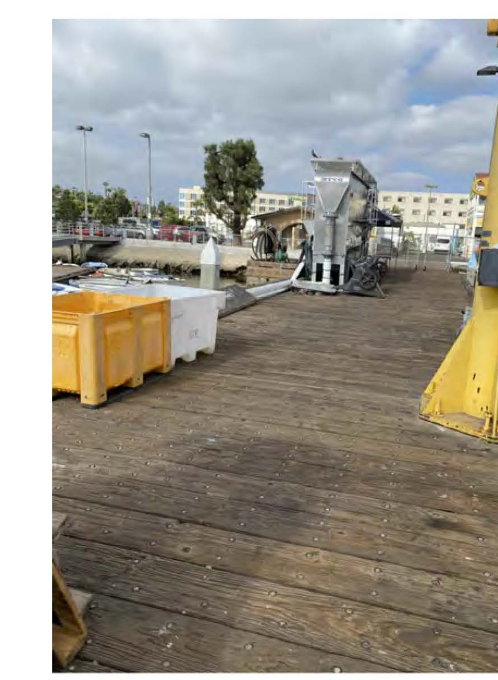


PHOTO 35 - DECK AT PIER 4

RECORD DRAWING

REVIEWED BY:

ENGINEER OF RECORD

DATE

NOTE:
THIS DRAWING MAY BE A REDUCED SCALE PRINT OF THE ORIGINAL DRAWING. UTILIZE GRAPHIC SCALES TO VERIFY IF DRAWING IS A REDUCTION, AND ADJUST SCALES ACCORDINGLY TO THE GRAPHIC SCALES SHOWN.

SPEC NO. WBS NO.	50% DESIGN SUBMITTAL	02/29/2024
REFERENCES		
PROJECT ENGINEER		
CONTRACTOR -		
CONSTRUCTION STARTED -		
CONSTRUCTION COMPLETED -		
COST - INSPECTOR -	REVISIONS	DATE / APPROVED

PORT of SAN DIEGO
Waterfront of Opportunity

DESIGNED TEG
DRAWN TEG
CHECKED JVP

APPROVAL RECOMMENDED
PROJECT MANAGER
APPROVED
ENGINEERING MANAGER

SAN DIEGO, CALIFORNIA

DRISCOLL'S WHARF WATERSIDE IMPROVEMENTS

DATE 02/29/24
A/E NO.
SHEET 12 OF 24
DRAWING NO. EM-XXXX-XX
REV. A

T:\PROJECTS\23-2852 Driscolls Wharf Waterside Improvements\50 Drawing Layout\04.dwg / Mar 04, 2024 - 12:30pm / CAD Machine

LEGEND:

	POWER PEDESTAL	XFMR	ELECTRICAL TRANSFORMER
FHC	FIRE HOSE CABINET		LIGHT POLE (14 FT)
ADA	ADA COMPLIANT SLIP	FEC	FIRE EXTINGUISHER CABINET
	HOSE BIBB		
	GUIDE PILE		
LR	LIFE RING CABINET		

RECORD DRAWING

REVIEWED BY:

ENGINEER OF RECORD

DATE

NOTE:
THIS DRAWING MAY BE A REDUCED SCALE PRINT OF THE ORIGINAL DRAWING. UTILIZE GRAPHIC SCALES TO VERIFY IF DRAWING IS A REDUCTION, AND ADJUST SCALES ACCORDINGLY TO THE GRAPHIC SCALES SHOWN.

SPEC NO.	WBS NO.	50% DESIGN SUBMITTAL	02/29/2024
REFERENCES			
PROJECT ENGINEER			
CONTRACTOR -			
CONSTRUCTION STARTED -			
CONSTRUCTION COMPLETED -			
COST -	INSPECTOR -	REVISIONS	DATE / APPROVED

PORT of SAN DIEGO
Waterfront of Opportunity

DESIGNED TEG
DRAWN TEG
CHECKED JVP

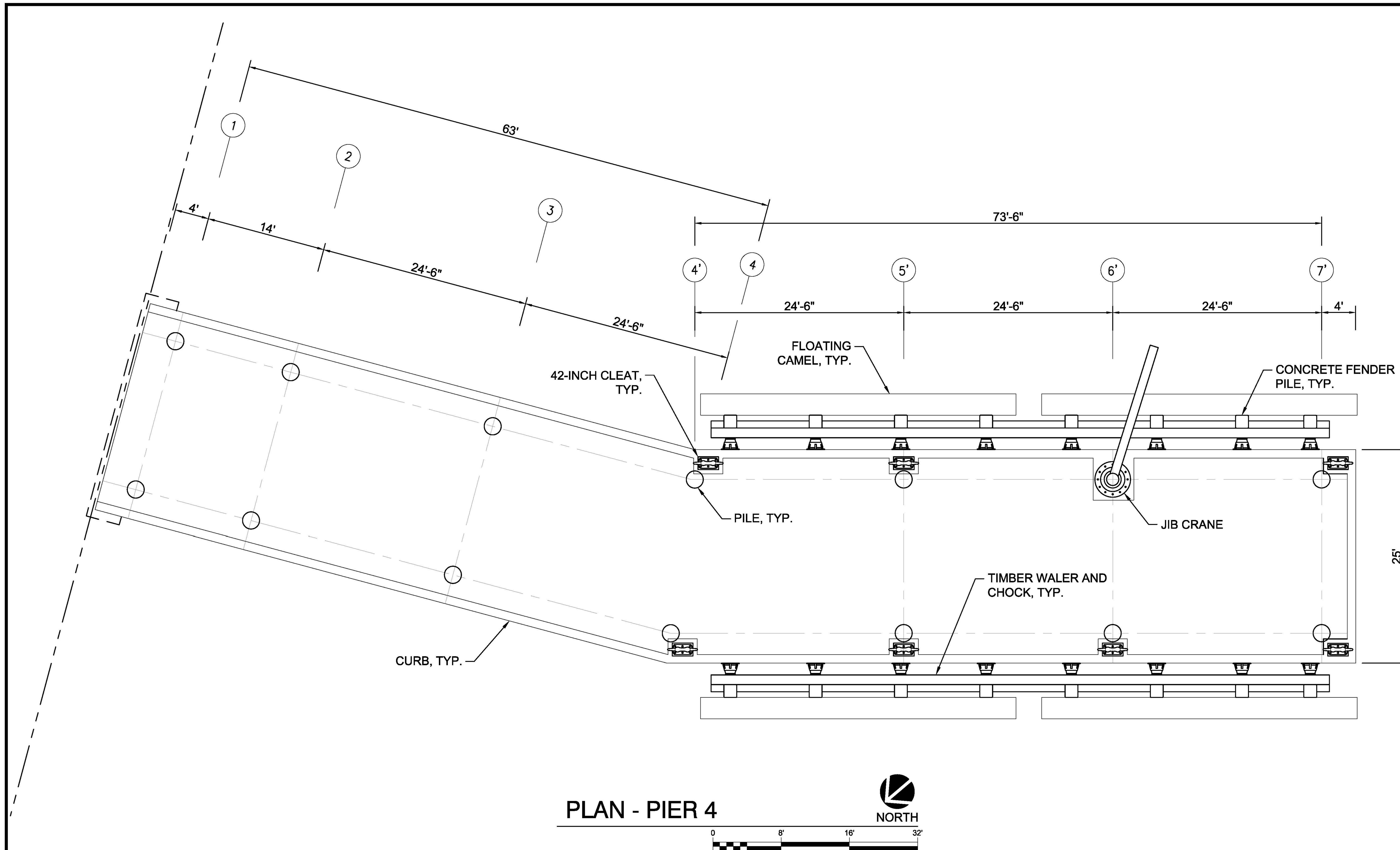
APPROVAL RECOMMENDED
PROJECT MANAGER
APPROVED
ENGINEERING MANAGER

SAN DIEGO, CALIFORNIA

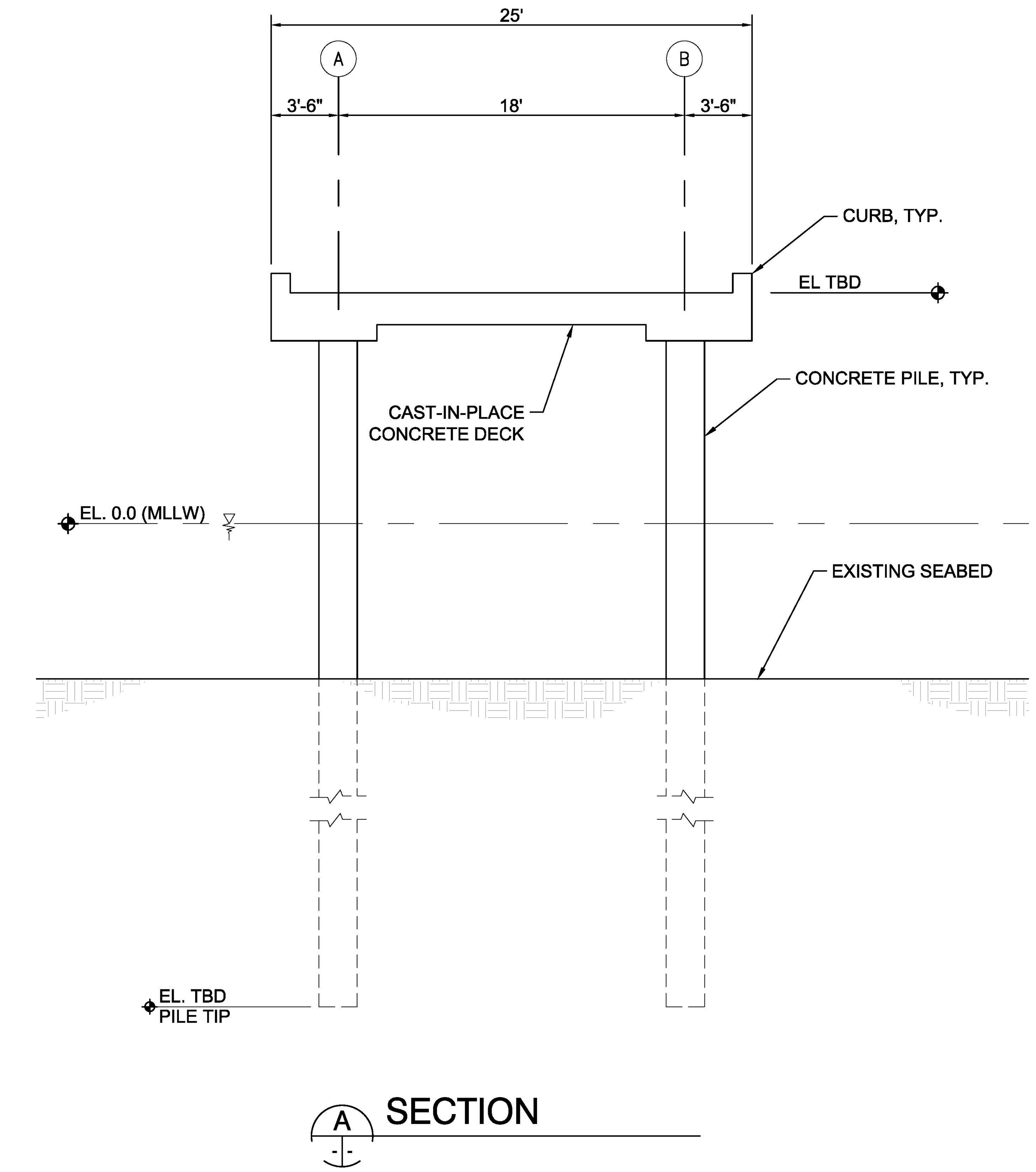
DRISCOLL'S WHARF WATERSIDE IMPROVEMENTS

DATE 02/29/24
A/E NO.
SHEET OF 24
DRAWING NO. EM-XXXX-XX
REV. A

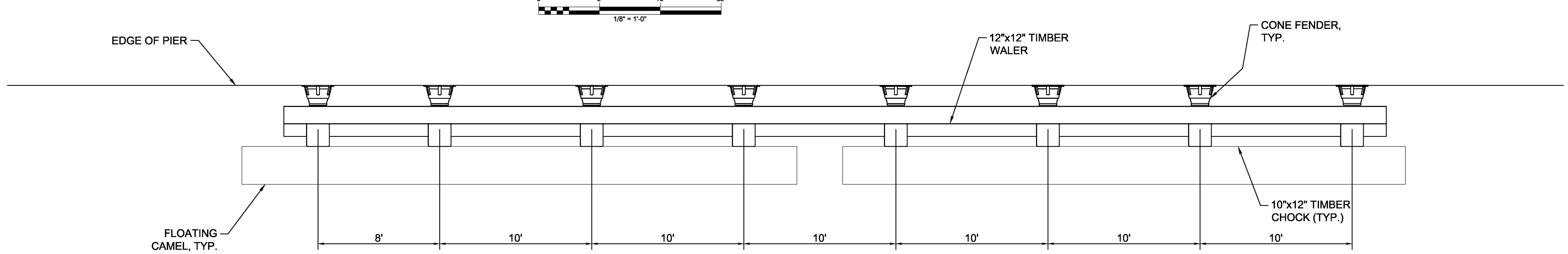
T:\PROJECTS\23-2852 Driscolls Wharf Waterside Improvements\50 Drawing Layout\06.dwg / Mar 06, 2024 - 12:40pm / CAD Machine



PLAN - PIER 4



A SECTION



1 PLAN OF FENDER SYSTEM

RECORD DRAWING	NOTE:	SPEC NO. WBS NO.	50% DESIGN SUBMITTAL	02/29/2024
REVIEWED BY:	THIS DRAWING MAY BE A REDUCED SCALE PRINT OF THE ORIGINAL DRAWING. UTILIZE GRAPHIC SCALES TO VERIFY IF DRAWING IS A REDUCTION, AND ADJUST SCALES ACCORDINGLY TO THE GRAPHIC SCALES SHOWN.	REFERENCES		
ENGINEER OF RECORD		PROJECT ENGINEER		
DATE		CONTRACTOR -		
		CONSTRUCTION STARTED -		
		CONSTRUCTION COMPLETED -		
		COST - INSPECTOR -	REVISIONS	DATE / APPROVED

PORT of SAN DIEGO
Waterfront of Opportunity

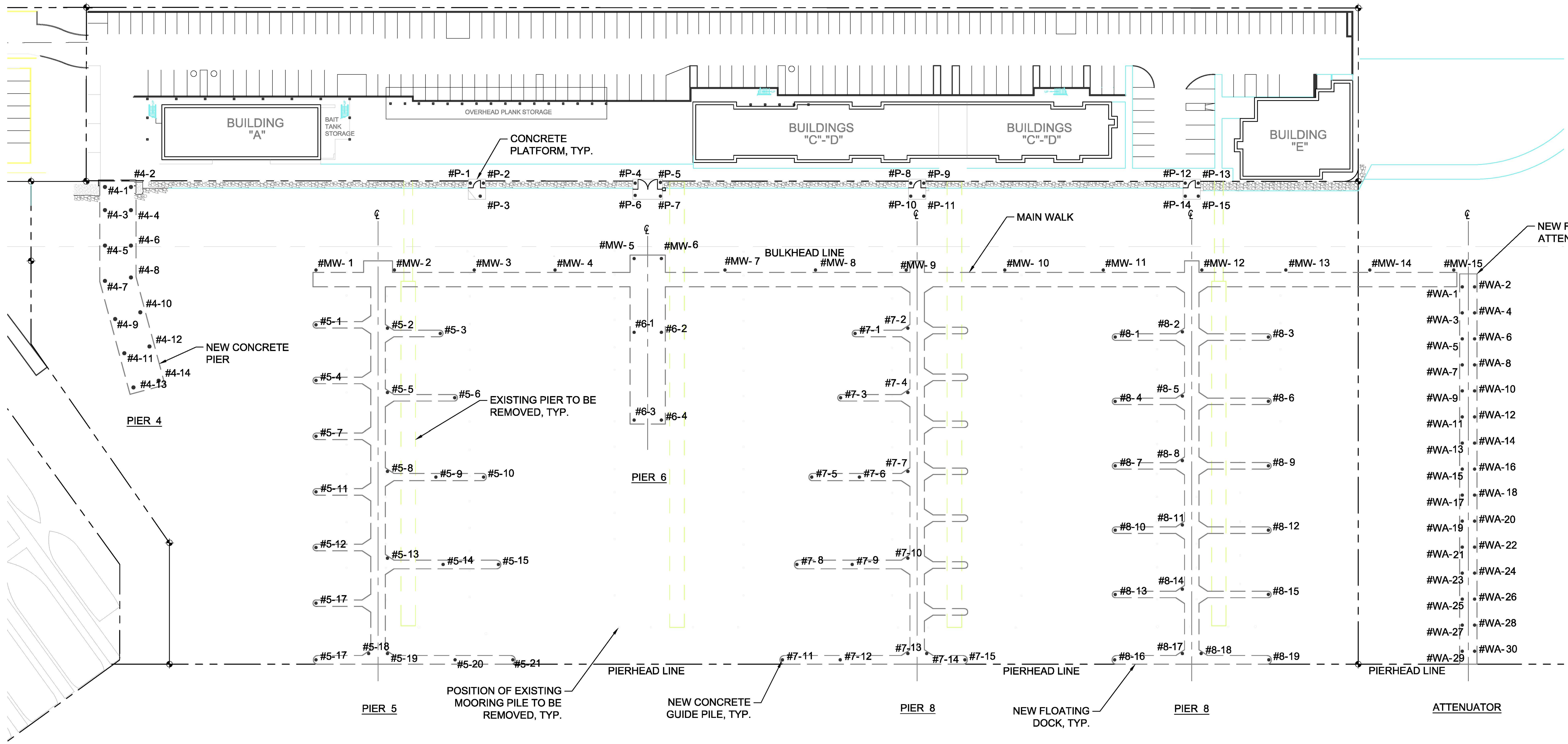
DESIGNED	APPROVAL RECOMMENDED
TEG	
DRAWN	PROJECT MANAGER
TEG	APPROVED
CHECKED	
JVP	ENGINEERING MANAGER

SAN DIEGO, CALIFORNIA

DRISCOLL'S WHARF WATERSIDE IMPROVEMENTS

DATE 02/29/24	
A/E NO.	
SHEET 14 OF 24	
DRAWING NO.	REV.
EM-XXXX-XX	A

T:\PROJECTS\23-2852 Driscolls Wharf Waterside Improvements\50 Drawing Layout\11.dwg / Mar 04, 2024 - 2:40pm / CAD Machine



PLAN - PILE LAYOUT

NORTH

0 40' 80' 120'
1" = 40'

NO. OF PILES	
AREA	QTY
PIER 4	14
PIER 5	21
PIER 6	4
PIER 7	15
PIER 8	19
MAIN WALK	15
ATTENUATOR	30
PLATFORMS	15
TOTAL	133

NOTE:

CONTRACTOR SHALL CONFIRM ALL COORDINATES NOTED ON THIS DRAWING AND CONFIRM CONSISTENCY WITH THE DIMENSIONAL DRAWINGS THAT ARE INCLUDED IN THIS SET OF DOCUMENTS, PRIOR TO STARTING WORK. ANY INCONSISTENCIES SHALL BE BROUGHT TO ATTENTION OF THE ENGINEER PRIOR TO STARTING WORK. CONTRACTOR SHALL PROVIDE COORDINATES FOR ALL PILE LOCATIONS, BASED ON PILE LOCATIONS NOTED ON THE DRAWINGS.

RECORD DRAWING
REVIEWED BY:
ENGINEER OF RECORD
DATE

NOTE: THIS DRAWING MAY BE A REDUCED SCALE PRINT OF THE ORIGINAL DRAWING. UTILIZE GRAPHIC SCALES TO VERIFY IF DRAWING IS A REDUCTION, AND ADJUST SCALES ACCORDINGLY TO THE GRAPHIC SCALES SHOWN.

SPEC NO. WBS NO.
REFERENCES
PROJECT ENGINEER
CONTRACTOR -
CONSTRUCTION STARTED -
CONSTRUCTION COMPLETED -
COST - INSPECTOR -

50% DESIGN SUBMITTAL 02/29/2024
REVISIONS DATE / APPROVED

PORT of SAN DIEGO
Waterfront of Opportunity

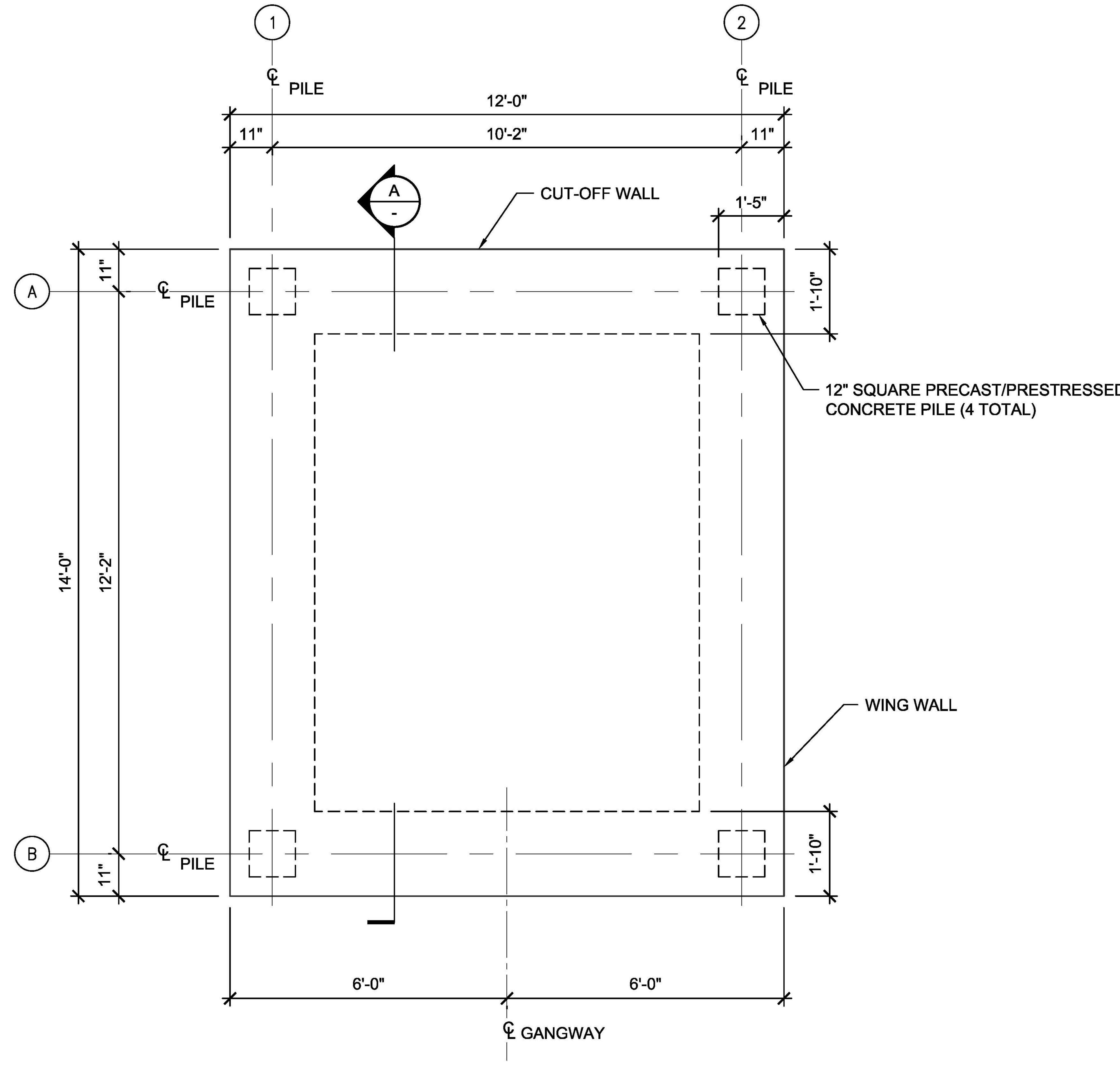
DESIGNED TEG
DRAWN TEG
CHECKED JVP

APPROVAL RECOMMENDED
PROJECT MANAGER
APPROVED
ENGINEERING MANAGER

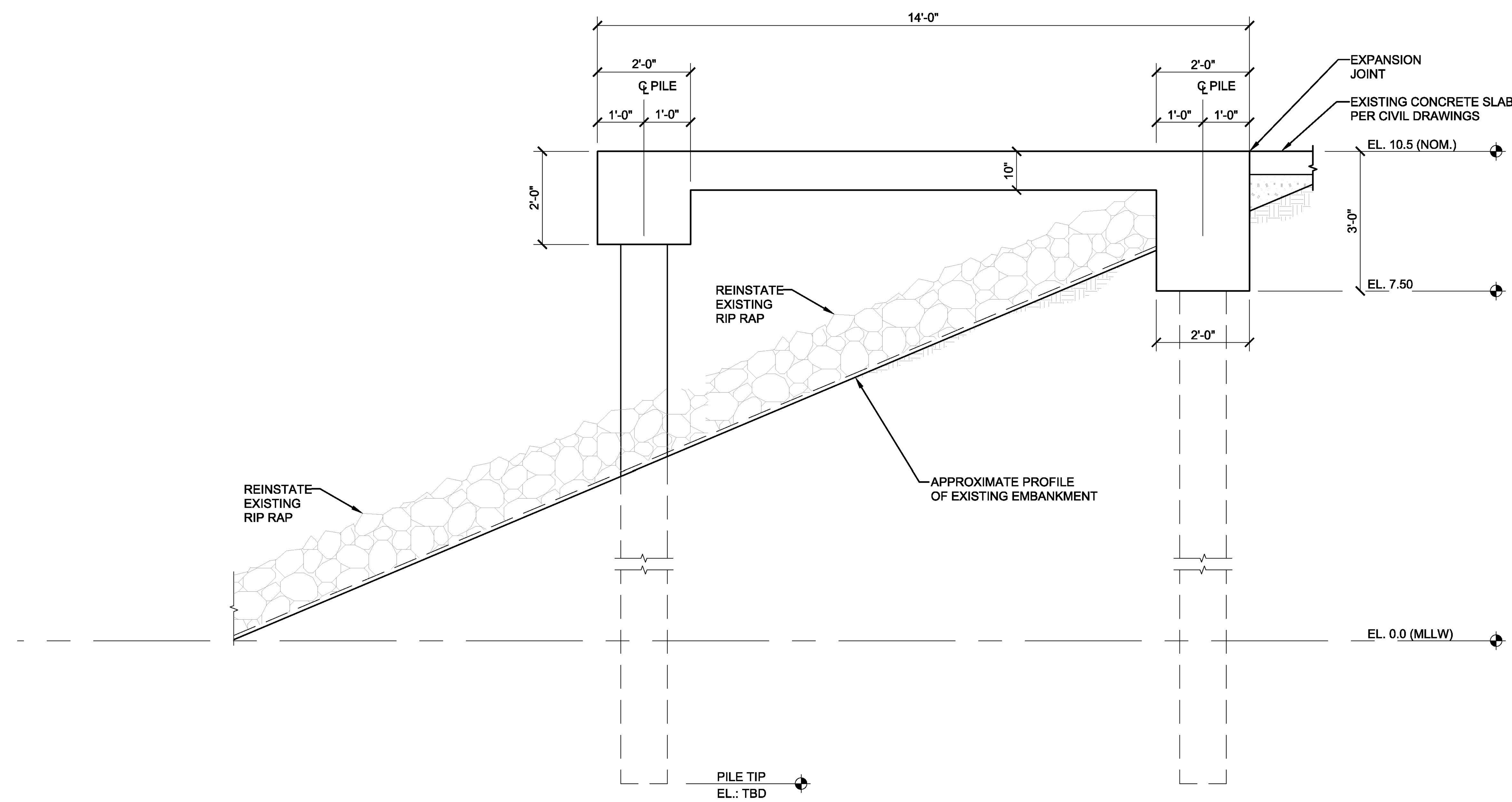
SAN DIEGO, CALIFORNIA
DRISCOLL'S WHARF WATERSIDE IMPROVEMENTS

DATE 02/29/24
A/E NO.
SHEET 15 OF 24
DRAWING NO. EM-XXXX-XX
REV. A

T:\PROJECTS\23-2852 Driscolls Wharf Waterside Improvements\50 Drawing Layout\07.dwg / Mar 04, 2024 - 2:08pm / CAD Machine



PLATFORM PLAN
SCALE: 1/4" = 1'-0"



A
-
SECTION
SCALE: 1/2" = 1'-0"

RECORD DRAWING
REVIEWED BY:

ENGINEER OF RECORD

DATE

NOTE:
THIS DRAWING MAY BE A REDUCED SCALE PRINT OF THE ORIGINAL DRAWING. UTILIZE GRAPHIC SCALES TO VERIFY IF DRAWING IS A REDUCTION, AND ADJUST SCALES ACCORDINGLY TO THE GRAPHIC SCALES SHOWN.

SPEC NO. WBS NO.		50% DESIGN SUBMITTAL	02/29/2024
REFERENCES			
PROJECT ENGINEER			
CONTRACTOR -			
CONSTRUCTION STARTED -			
CONSTRUCTION COMPLETED -			
COST -	INSPECTOR -	REVISIONS	DATE / APPROVED

PORT of SAN DIEGO
Waterfront of Opportunity

DESIGNED	TEG
DRAWN	TEG
CHECKED	JVP

APPROVAL RECOMMENDED

PROJECT MANAGER
APPROVED

ENGINEERING MANAGER

SAN DIEGO, CALIFORNIA

DRISCOLL'S WHARF WATERSIDE IMPROVEMENTS

DATE 02/29/24
A/E NO.
SHEET 16 OF 24
DRAWING NO. EM-XXXX-XX
REV. A

T:\PROJECTS\23-2852 Driscolls Wharf Waterside Improvements\50 Drawing Layout\11.dwg / Mar 04, 2024 - 3:51pm / CAD Machine

NOTES:

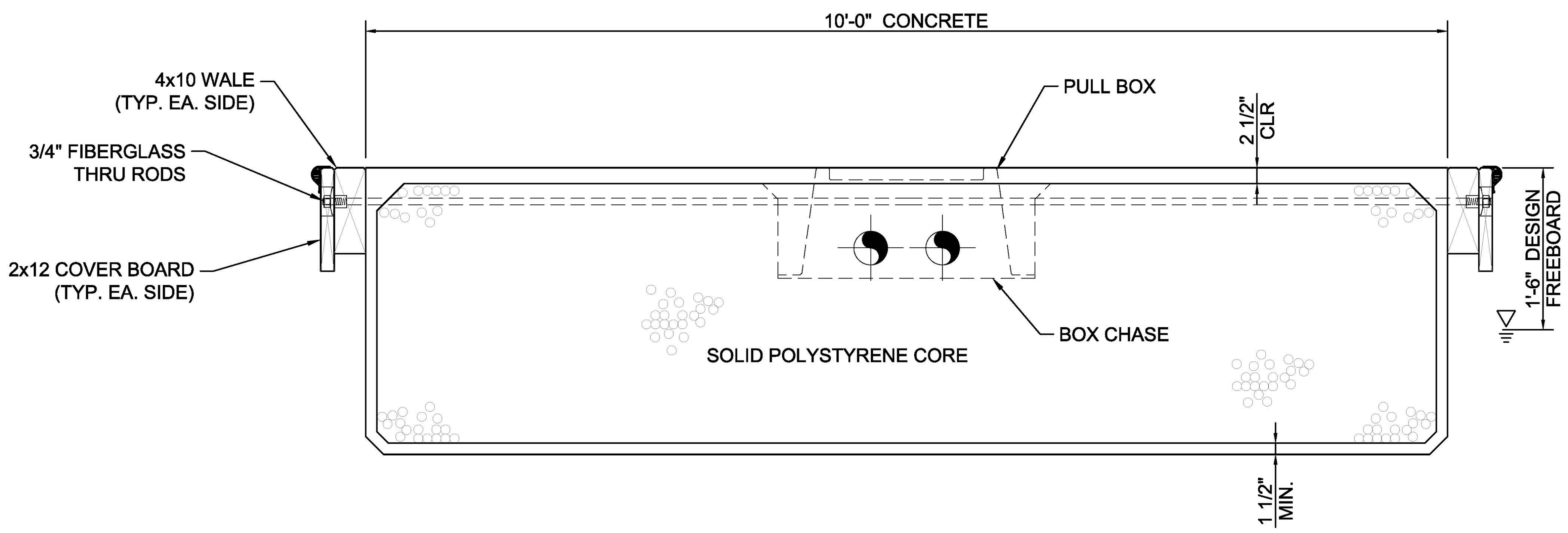
1. FREEBOARD SHOWN IS AFTER 1 YEAR ACCLIMATION.
2. PVC PIPES / BOXES SHOWN CHASES ONLY. INSTALL CONDUIT AS NEEDED FOR ELECTRICAL SERVICES.
3. SOME HIDDEN LINES NOT SHOWN FOR CLARITY.

TYPICAL CONCRETE REINFORCING FOR ALL FLOATS:
- CORNER REINFORCING BARS AND TOP DECK GRID SHALL BE FIBER-REINFORCED PLASTIC (FRP) BARS
- BOTTOM MESH SHALL BE TENSAR BXSQ3030 GEOGRID

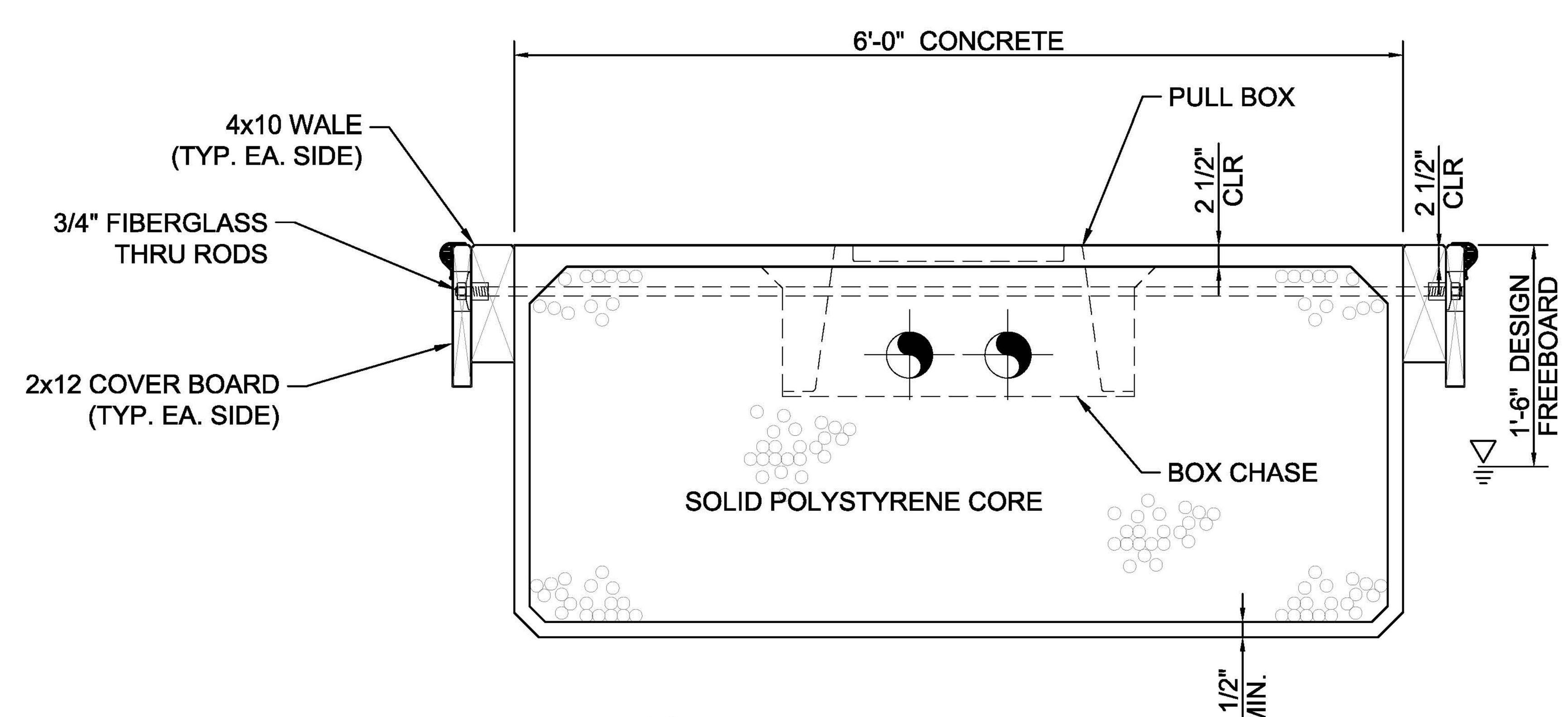
DIMENSIONAL LUMBER (WALES & COVERBOARDS):
STRUCTURAL-
DOUGLAS FIR, SELECT. STRUCTURAL
NON-STRUCTURAL (COVERBOARDS)-
DOUGLAS FIR, #1 & BETTER

GLU-LAM (GLB) WALES:
DOUGLAS FIR, COMBINATION 24F-V8

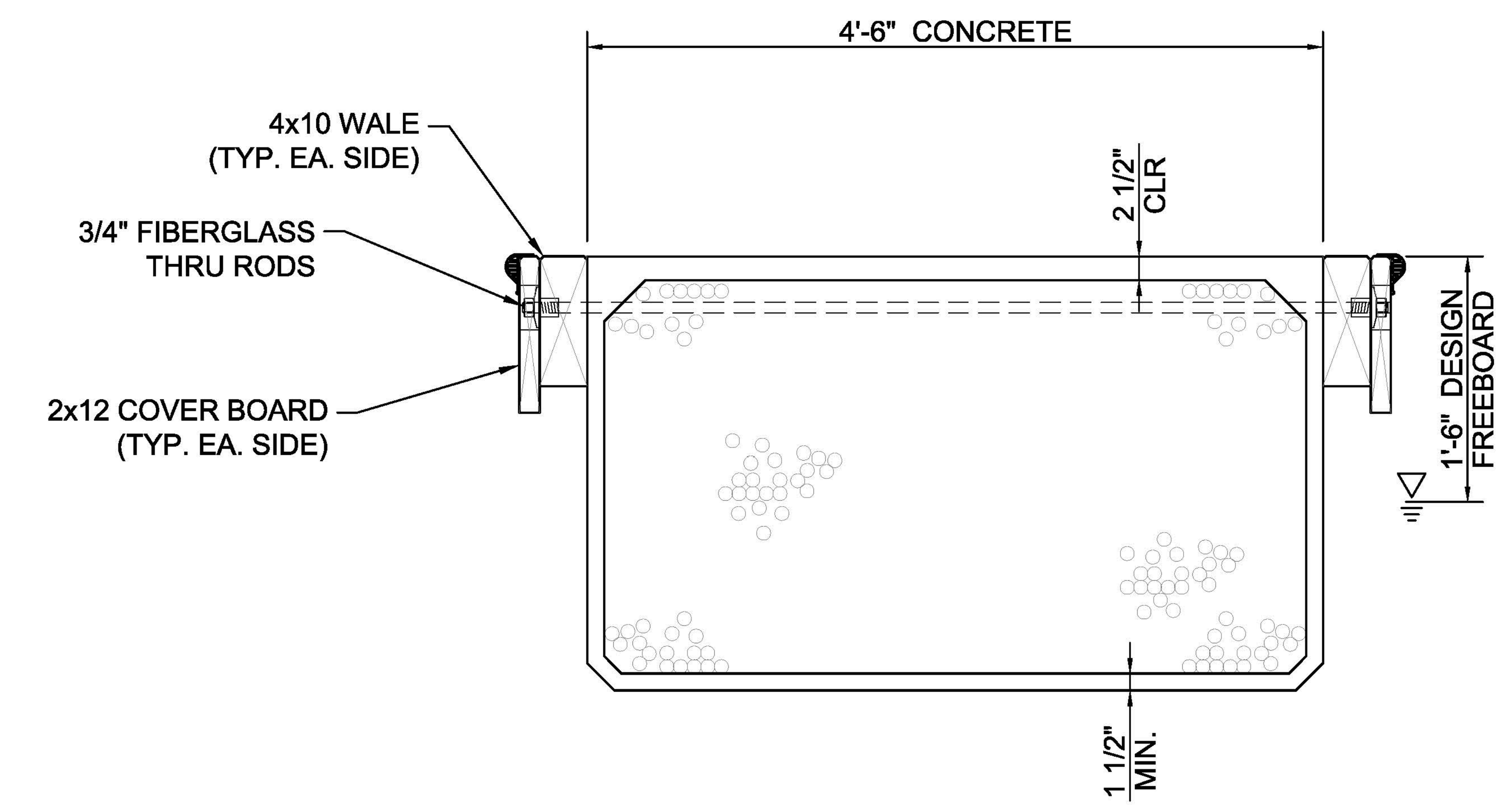
PRESSURE TREAT ALL WOOD WITH A.C.Z.A. TO 0.6 PCF MIN. RETENTION PER AWPA STANDARDS



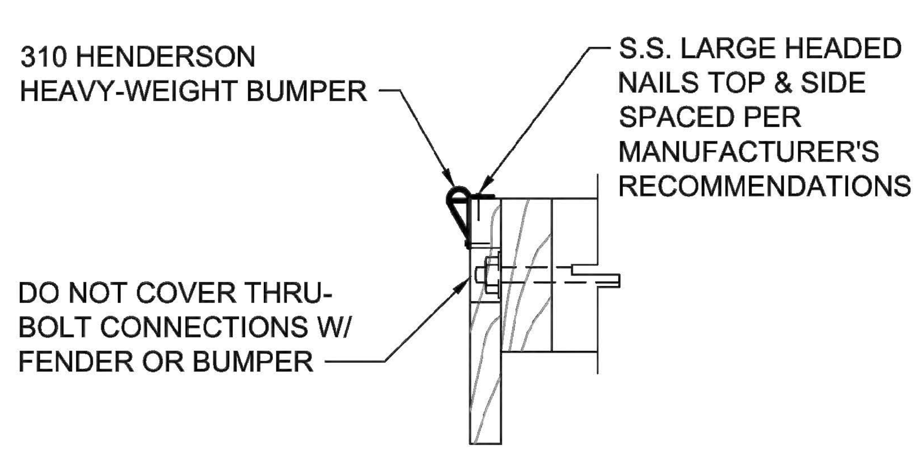
A SECTION - MAIN WALK
SCALE: 1'=1'-0"



B SECTION - 6 FT FINGER
SCALE: 1'=1'-0"

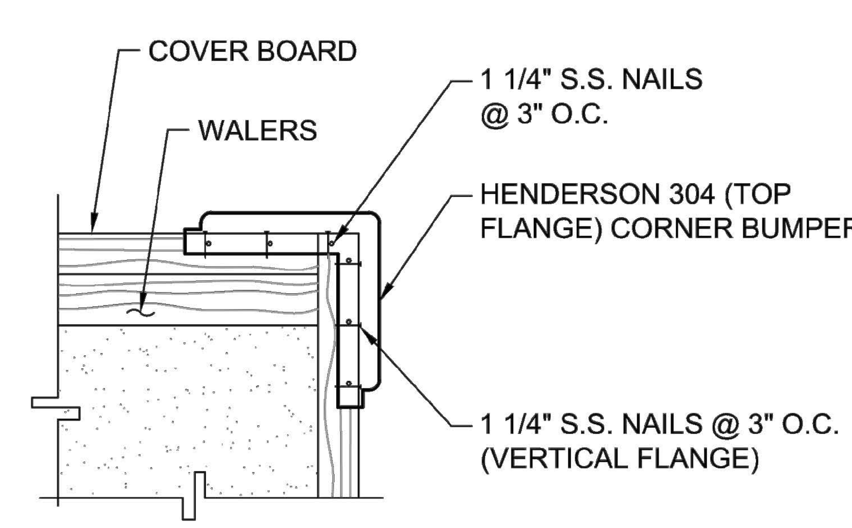


C SECTION - 4 FT 6 IN FINGER
SCALE: 1'=1'-0"



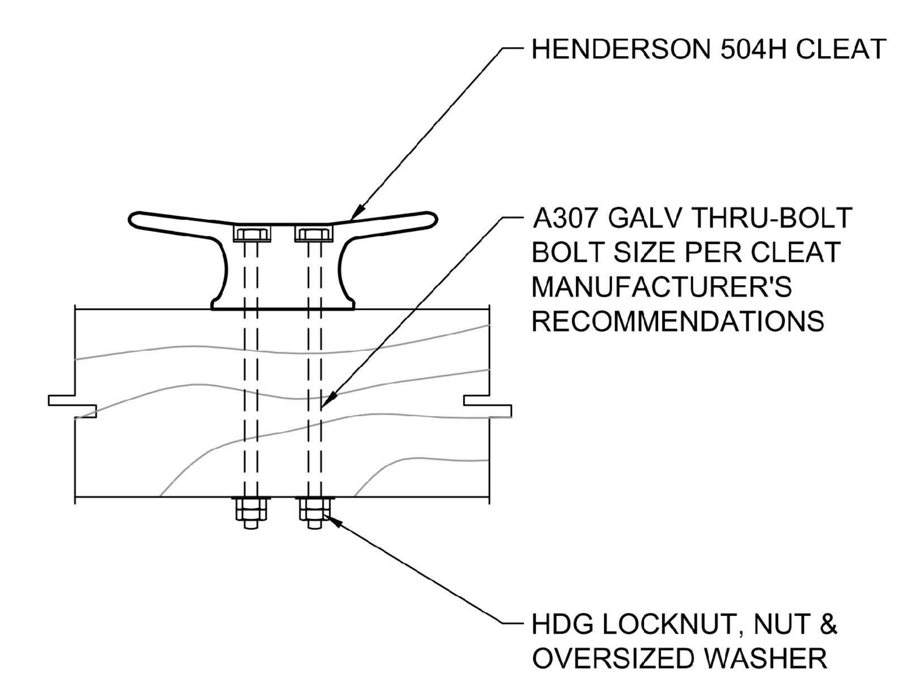
NOTE:
MATCH COLOR ON DOCKS A/B.

3 TYPICAL BUMPER DETAIL
SCALE:NTS



NOTE:
MATCH COLOR ON DOCKS A/B.

4 CORNER BUMPER DETAIL
SCALE:NTS



5 TYPICAL CLEAT DETAIL
SCALE:NTS

RECORD DRAWING
REVIEWED BY:
ENGINEER OF RECORD
DATE

NOTE:
THIS DRAWING MAY BE A REDUCED SCALE PRINT OF THE ORIGINAL DRAWING. UTILIZE GRAPHIC SCALES TO VERIFY IF DRAWING IS A REDUCTION, AND ADJUST SCALES ACCORDINGLY TO THE GRAPHIC SCALES SHOWN.

SPEC NO. WBS NO.	50% DESIGN SUBMITTAL	02/29/2024
REFERENCES		
PROJECT ENGINEER		
CONTRACTOR -		
CONSTRUCTION STARTED -		
CONSTRUCTION COMPLETED -		
COST - INSPECTOR -	REVISIONS	DATE / APPROVED

PORT of SAN DIEGO
Waterfront of Opportunity

DESIGNED TEG
DRAWN TEG
CHECKED JVP

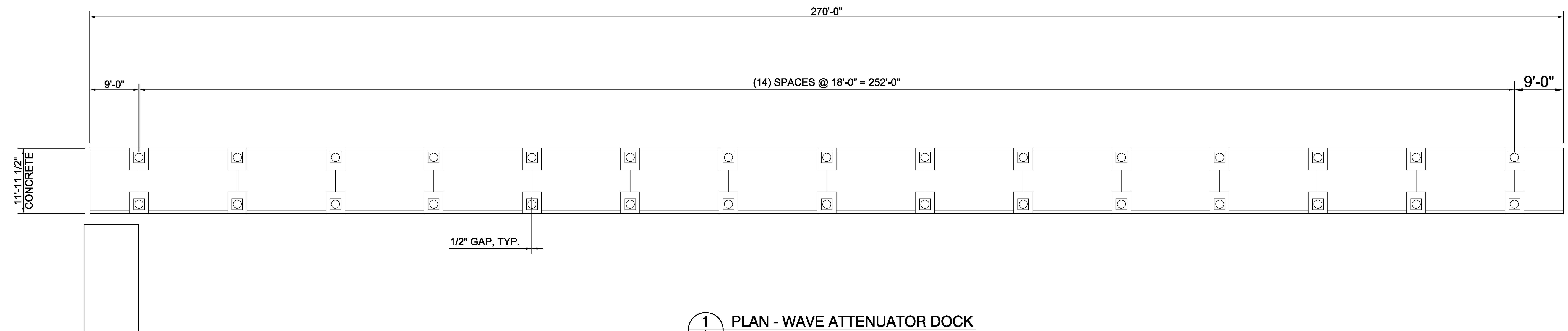
APPROVAL RECOMMENDED
PROJECT MANAGER
APPROVED
ENGINEERING MANAGER

SAN DIEGO, CALIFORNIA

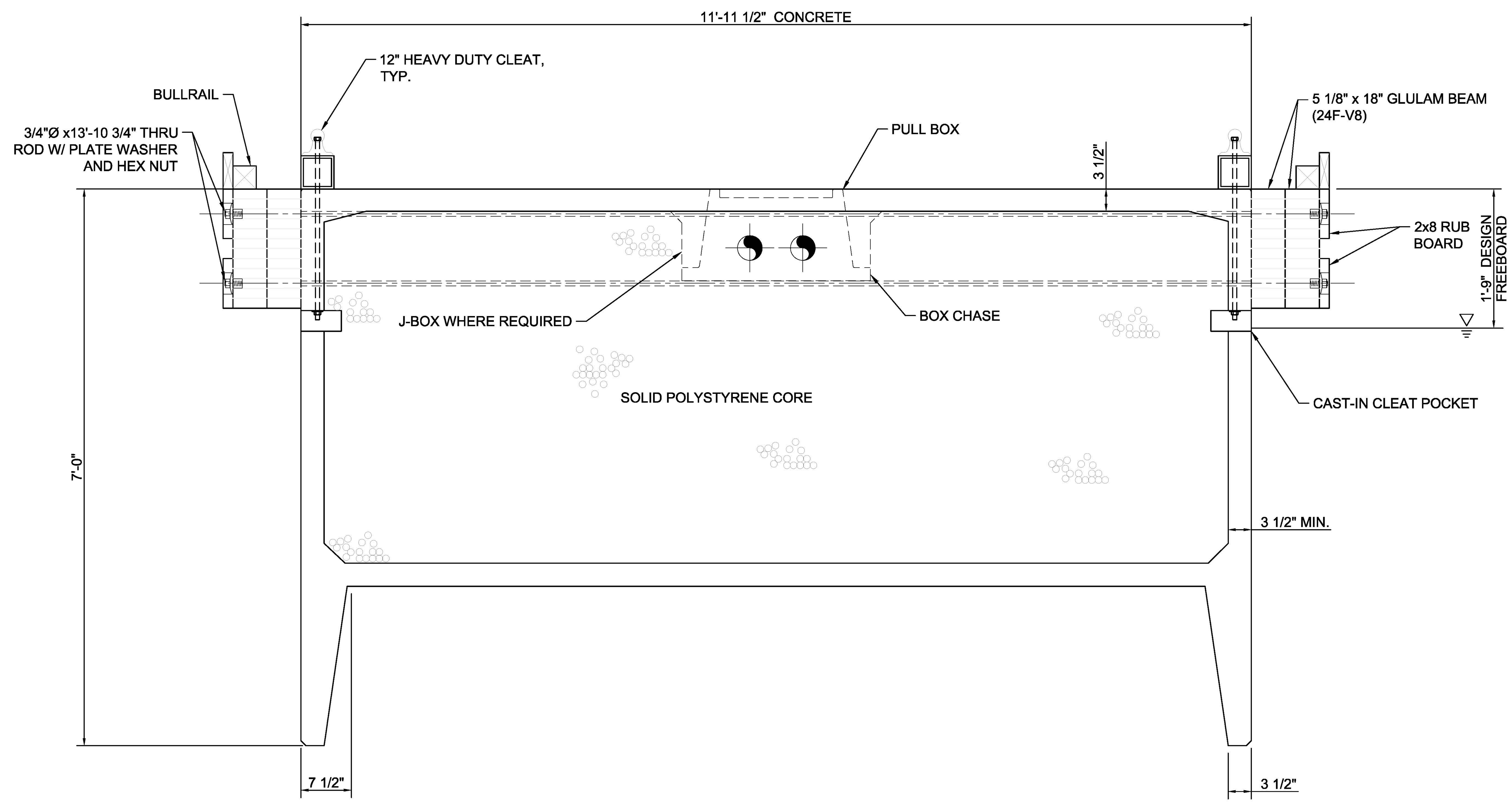
DRISCOLL'S WHARF WATERSIDE IMPROVEMENTS

DATE 02/29/24
A/E NO.
SHEET 17 OF 24
DRAWING NO. EM-XXXX-XX
REV. A

T:\PROJECTS\23-2852 Driscolls Wharf Waterside Improvements\50 Drawing Layout\12.dwg / Mar 04, 2024 - 2:50pm / CAD Machine



1 PLAN - WAVE ATTENUATOR DOCK
SCALE: 3/32"=1'-0"



A SECTION - ATTENUATOR
SCALE: 1'=1'-0"

C

RECORD DRAWING
REVIEWED BY:
ENGINEER OF RECORD
DATE

NOTE:
THIS DRAWING MAY BE A REDUCED SCALE PRINT OF THE ORIGINAL DRAWING. UTILIZE GRAPHIC SCALES TO VERIFY IF DRAWING IS A REDUCTION, AND ADJUST SCALES ACCORDINGLY TO THE GRAPHIC SCALES SHOWN.

SPEC NO. WBS NO.	50% DESIGN SUBMITTAL	02/29/2024
REFERENCES		
PROJECT ENGINEER		
CONTRACTOR -		
CONSTRUCTION STARTED -		
CONSTRUCTION COMPLETED -		
COST - INSPECTOR -	REVISIONS	DATE / APPROVED

PORT of SAN DIEGO
Waterfront of Opportunity

DESIGNED TEG
DRAWN TEG
CHECKED JVP

APPROVAL RECOMMENDED
PROJECT MANAGER
APPROVED
ENGINEERING MANAGER

SAN DIEGO, CALIFORNIA
DRISCOLL'S WHARF WATERSIDE IMPROVEMENTS

DATE 02/29/24
A/E NO.
SHEET 18 OF 24
DRAWING NO. EM-XXXX-XX
REV. A

Appendix B: 2025 Illingworth & Rodkin, Inc. Acoustic Report

SHELTER ISLAND COMMERCIAL FISHING WHARF PROJECT – SAN DIEGO

HYDROACOUSTIC ASSESSMENT

San Diego, California

August 13, 2025

Prepared for:

Claudia Watts
Senior Environmental Planner
Ascent Environmental, Inc.
1230 Columbia St, Suite 440
San Diego, CA 92101-8517

Prepared by:

Adwait Ambaskar
James Reyff

ILLINGWORTH & RODKIN, INC.
Acoustics • Air Quality

429 East Cotati Avenue
Cotati, CA 94931
(707) 794-0400

I&R Job No.: 24-111

INTRODUCTION

This hydroacoustic assessment evaluates the effects of underwater sound levels on marine resources caused by construction to redevelop the Shelter Island Commercial Fishing Wharf located at 4918 North Harbor Drive in San Diego, California. Underwater sounds would be generated by pile driving activities, and demolition activities. These sounds could affect fish, sea turtles and marine mammals that may be present in the area.

PROJECT DESCRIPTION

The project site is currently used as a wharf for commercial fishing boat mooring. Driscoll's Wharf is one of two commercial fishing harbors in San Diego Bay. The project site includes both landside and waterside facilities. The landside portions of the project site include surface parking, office buildings, outdoor storage areas, and other facilities that are involved with the fishing industry. The waterside portion of the project site includes piers and docks used to moor, load and off-load commercial fishing vessels. The project is needed to address deficiencies related to the age and condition of structures, and to allow commercial fishing operations to continue within the marina. The existing structures have reached the end of their useful life. To achieve the need and purpose of the proposed project, the following project objectives have been identified:

- Modernize the wharf and marina through improved waterside facilities capable of supporting modern commercial fishing operations.
- Demolish structurally deficient piers and replace with floating docks, gangways, and headwalks that meet current safety standards and are Americans with Disabilities Act (ADA) compliant.
- Allow for the continued operation of commercial fishing, identified as a high-priority use under the California Coastal Act.
- Provide a mix of vessel slip sizes to accommodate a range of commercial fishing vessels.
- Demolish underutilized and deteriorated buildings that are no longer needed.
- Reduce the impact of waves on the shoreline and marina, maintain safe operation of the marina, and prevent future damage from wave action.

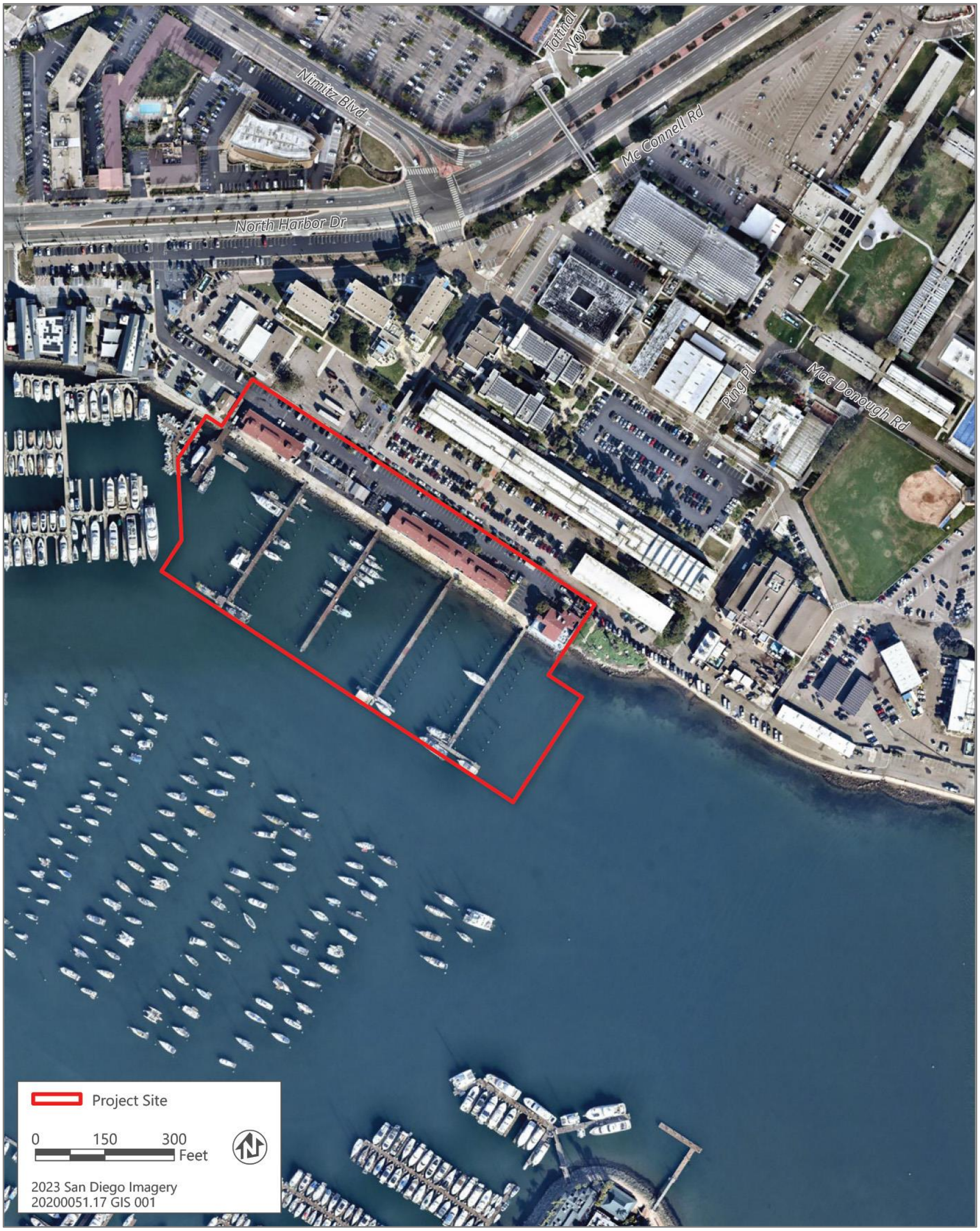
STUDY PURPOSE

This study is an assessment of potential underwater sound levels generated by planned construction activities involved with the Shelter Island Commercial Fishing Wharf Redevelopment Project. The study supports regulatory biologists in assessing underwater sound impacts on fish, marine mammals and sea turtles that may be present in the area when construction occurs. This assessment is based on information provided by project designers consisting of a location map, draft layout sheets, estimated pile-driving data, a review of potential construction activities to be conducted at the site, a review of related studies, the modeling, and a quantitative analysis of underwater noise levels. This study focuses on the sound impacts associated with potential pile-driving activities that could affect aquatic species. This study does not address environmental airborne noise impacts that affect people associated with the project.

Consultation will likely be required with agencies, including the National Marine Fisheries Service (NMFS), United States (US) Fish and Wildlife Service, and the California Coastal Commission. Figure 1 shows the regional location of the project and Figure 2 shows the project site.

FIGURE 1 Regional Location

FIGURE 2 Project Site


Tattnall Way
Nimitz Blvd
Mc Connell Rd
North Harbor Dr
Ping Pl
Mac Donough Rd
Project Site
0
150
300
Feet
2023 San Diego Imagery
20200051.17 GIS 001

UNDERWATER SOUNDS FROM PILE-DRIVING ACTIVITIES

Fundamentals of Underwater Noise

Underwater sounds can be expressed in several different physical quantities, such as acoustic energy (joules), power (watts), intensity (watts per unit area) and pressure (pascals or micro pascals). The most common method in which underwater sounds are expressed is in terms of a relative unit of decibels (dB). This is a logarithmic ratio of a physical quantity to a reference quantity. Typically, a sound pressure level is mentioned in terms of dB re 1 micro-Pascal (µPa) underwater or 20 µPa in air. The term 're' is shorthand for the term 'in reference to'.

Several sound level metrics are used to evaluate the effects of underwater sounds on marine life, such as peak sound pressure (Peak), root-mean-square (RMS) sound pressure levels, and sound exposure level (SEL). The various acoustical terms are used in this report, which are defined in Table 1.

The primary sounds of concern produced by the Project are from pile driving. Impact pile driving produces impulsive sounds. Vibratory pile installation and removal produces continuous underwater sounds that are considered non-impulsive. Any demolition that includes chipping are assumed to produce impulsive sounds.

Impact pile driving produces the most extensive sound impacts from this type of project. When a pile-driving hammer strikes a pile, a pulse is created that propagates through the pile and radiates sound into the water, the ground, and the air. Sound pressure pulse as a function of time is referred to as the waveform. In terms of acoustics, these sounds are described by the peak pressure, the root-mean-square (RMS) pressure, and the sound exposure level (SEL). The peak pressure is the highest absolute value of the measured waveform and can be a negative or positive pressure peak. For pile-driving pulses, RMS level is determined by analyzing the waveform and computing the average of the squared pressures over the time that comprises that portion of the waveform containing the sound energy (Richardson et al. 1995; ISO 18406:2017(E).). The pulse RMS has been approximated in the field for pile-driving sounds by measuring the signal with a precision sound level meter set to the "impulse" RMS setting and is typically used to assess impacts to marine mammals. Another measure of the pressure waveform that is used to describe the pulse is the sound energy itself. The total sound energy in the pulse is referred to in many ways, most commonly as the "total energy flux" (Finerran 2002). The "total energy flux" is equivalent to the un-weighted SEL for a plane wave propagating in a free field, a common unit of sound energy used in airborne acoustics to describe short-duration events. The unit used is decibels (dB) re 1 micro pascal $(\mu Pa)^2$-second (sec). In this report, peak pressure levels are expressed as the absolute maximum pressure of a pulse in dB re 1 µPa; however, in other literature, peak pressure levels can take varying forms, such as pascals or pounds per square inch. The total sound energy in an acoustical impulse accumulates over the duration of that pulse and the duration of a pile driving event. Figure 3 illustrates the acoustical characteristics of an underwater pile-driving pulse. Table 1 includes definitions of terms commonly used to describe underwater sounds.

TABLE 1 Definition of Underwater Acoustical Terms

Term	Definition

Peak Sound Pressure (Peak), unweighted (dB), dB re 1 μPa	Peak sound pressure level based on the largest absolute value of the instantaneous sound pressure. This pressure is expressed in this report as a dB (referenced to a pressure of 1 μPa) but can also be expressed in units of pressure, such as μPa or pounds per square inch.
RMS Sound Pressure Level (RMScont) , dB re 1 μPa	For this application, the squared root of the average of the squared pressures over one second. This measure is typically used to assess acoustical impacts on marine mammals from non-impulsive sounds.
RMS Sound Pressure Level, (NMFS Criterion), dB re 1 μPa	The squared root of the average of the squared pressures over the time that comprises that portion of the waveform containing 90 percent of the sound energy for one pile-driving impulse.[1] This measure is typically used to assess acoustical impacts on marine mammals from impulsive sounds.
Pulse SEL (SELpulse), dB re 1 μPa^2-sec	Proportionally equivalent to the time integral of the squared pressure and is described in this report in terms of dB re 1 μPa^2-sec over the duration of the impulse. Similar to the unweighted SEL standardized in airborne acoustics to study noise from single events. Terms commonly used are SELpulse = SEL per pulse or impulse, SELss = SEL per single pile strike.
Cumulative SEL (cSEL)	A measure of the total energy received through a pile-driving event that has many pile strikes (here defined as pile driving that occurs within a day).
Ambient Sound Level	The background sound pressure level at a given location, normally specified as a reference level to study a new intrusive sound source.
Transmission Loss (TL)	Transmission Loss (TL) is the decrease in a sound metric as an acoustic pressure wave propagates away from a source.
Waveforms, μPa over time	A graphical plot illustrating the time history of positive and negative sound pressures of individual pile strikes shown as a plot of μPa over time (i.e., seconds).
Frequency Spectra, dB over frequency range	A graphical plot illustrating the distribution of sound pressure vs. frequency for a waveform; dimension in RMS pressure and defined frequency bandwidth.
Weighted Sound Level, dBx	The sound pressure level, or SPL, in decibels as measured using a filter network that applies adjustments to specific frequencies. For example, the A-weighting filter de-emphasizes the very low and very high frequency components of the sound in a manner similar to the frequency response of the human ear and correlates well with subjective reactions to noise. A-weighted sound levels are expressed in decibels as dBA.
Impulsive and non-impulsive sounds	NMFS groups sounds into two categories: Impulsive or Non-Impulsive. NMFS considers sounds such as impact pile driving, blasting, and seismic surveys as impulsive. Other sounds such as drilling and vibratory driving are considered non-impulsive*.

*NMFS = National Marine Fisheries Services

[1] The underwater sound measurement results have indicated that most pile-driving impulses occurred over a 50- to 100-msec period. Most of the energy was contained in the first 30 to 50 msec. Analysis of that underwater acoustic data for various pile strikes at various distances demonstrated that the acoustic signal measured using the standard “impulse exponential-time-weighting” (35-msec rise time) correlated to the RMS (impulse) level.
Notes: msec = millisecond(s)

The variation of instantaneous pressure over the duration of an impulsive sound event is referred to as the waveform. The waveform can provide an indication of rise time or the rapidity with which pressure fluctuates with time; however, rise time differences are not clearly apparent for pile-driving sounds because of the numerous rapid fluctuations that are characteristic of this impulse type. A plot showing the accumulation of sound energy over the duration of the pulse (or at least the portion of time during which much of the energy accumulates) illustrates the differences in source strength and rise time. An example of the underwater acoustical characteristics of a typical pile-driving pulse is shown on Figure 3.

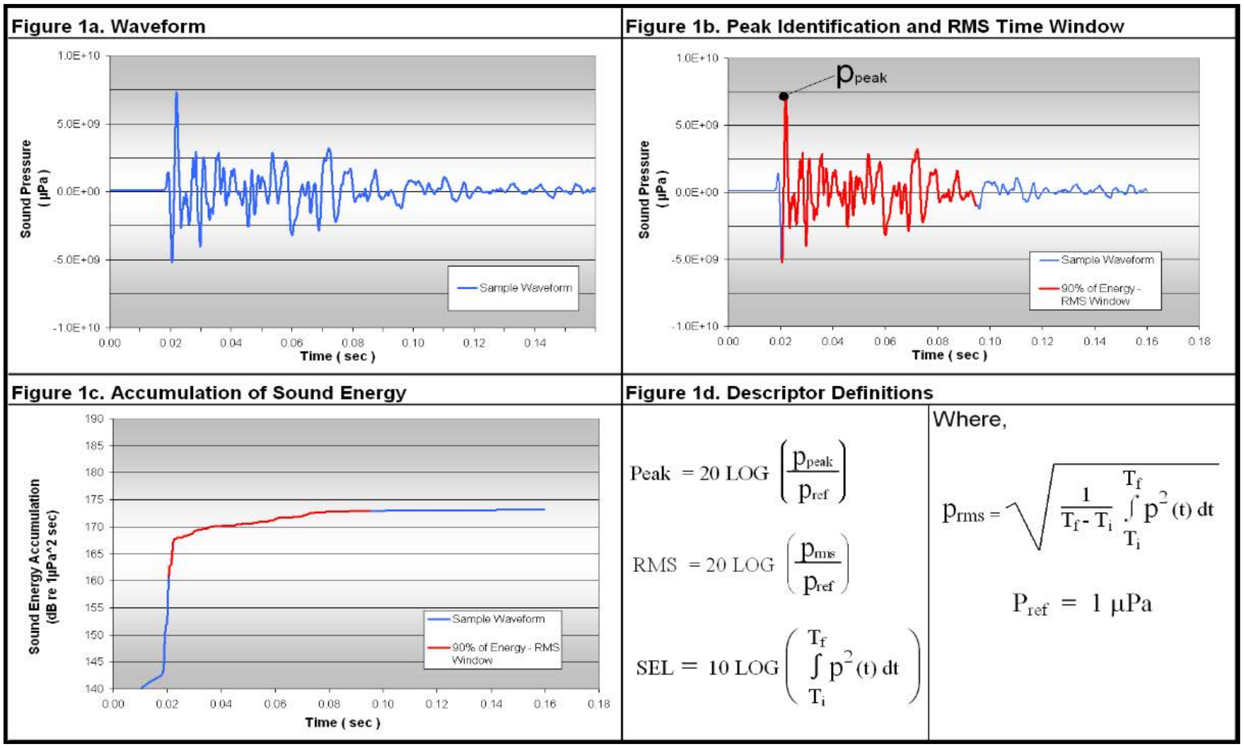
SEL is the acoustic metric that provides an indication of the amount of acoustical energy contained in a sound event. For pile driving, the typical event can be one pile-driving pulse or many pulses, such as pile driving for one pile or for one day of pile driving. Typically, SEL is measured for a single strike and a cumulative condition. The cumulative SEL associated with the driving of a pile can be estimated using the single-strike SEL value and the number of pile strikes through the following equation:

$$SEL_{cumulative} = SEL_{single-strike} + 10log(\#of\ pile\ strikes)$$

For example, if a single-strike SEL for a pile is 165 dB, and it takes 1,000 strikes to drive the pile, the cumulative SEL is 195 dB (165 dB + 30 dB = 195 dB), where 10 * Log_{10}(1000) = 30.

Transmission Loss (TL) is the decrease in a sound metric as an acoustic pressure wave propagates away from a source. The reduction in sound levels as they propagate out from a source may result from a combination of geometric spreading, energy loss to the medium through which the sound propagates, and complex interaction with non-uniformities in the medium transmitting or reflecting the propagating sound. The simplest form of calculating TL for pile driving sources is based on a 15 dB decrease per each 10-fold increase in distance from the source. Point sources are typically on the order of a 20 dB decrease per each 10-fold increase in distance from the source. However, some forms of TL computations include frequency dependent effects. The transmission of sound in shallow waters with complex sound source radiation is intricate.

FIGURE 3 Underwater Acoustical Characteristics of a Pile-Driving Pulse



Underwater Sound Thresholds

<u>Marine Mammals</u>

Under the Marine Mammal Protection Act (16 U.S.C. 1361-1407), NMFS has defined levels of harassment for marine mammals. Level A harassment is defined as "Any act of pursuit, torment, or annoyance which has the potential to injure a marine mammal or marine mammal stock in the wild." Level B harassment is defined as "Any act of pursuit, torment, or annoyance which has the potential to disturb a marine mammal or marine mammal stock in the wild by causing disruption of behavioral patterns, including but not limited to migration, breathing, nursing, breeding, feeding or sheltering."

Sounds in water and air can cause both Level A and B harassment. Impact pile driving produces impulsive sounds that correspond to those that are typically transient, brief (typically less than 1 second), broadband and consist of high peak sound pressure with rapid rise time and decay. Vibratory pile installation or removal is considered non-impulsive or continuous sounds as those that could be broadband, narrowband or tonal, brief or prolonged, continuous or intermittent and usually do not have a high peak sound pressure with rapid rise and decay times (NMFS 2018). NMFS uses behavior thresholds rather than TTS thresholds for assessing Level B harassment for pile driving (NMFS 2023).

Table 2 outlines the latest adopted Level A and Level B (behavioral harassment) criteria. NMFS has provided marine mammal acoustic technical guidance for predicting the onset of permanent threshold shift (PTS) and temporary threshold shifts in marine mammal hearing from sound sources (NMFS 2018). NMFS recently updated the 2018 technical guidance (NMFS 2024). PTS is now referred to as Auditory Injury (AUD INJ) in the new 2024 guidance. Table 2 defines the different marine mammal hearing groups based on their hearing range, adopted by NMFS.

The onset of PTS or AUD INJ is considered by NMFS to be Level A harassment. For impact pile driving, the majority of the acoustic energy is confined to frequencies below 2 kilohertz (kHz), and there is very little energy above 20 kHz. Similarly, much of the acoustic energy for vibratory driving is in the frequency range below 2.5 kHz. The underwater acoustic criteria for cetaceans and phocid and otariid pinnipeds are provided in Table 2. Table 3 lists the functional hearing groups and their hearing ranges as defined by the most recent NMFS guidance (NMFS 2024).

For continuous sounds, NMFS Northwest Region has provided guidance for reporting RMS sound pressure levels (NMFS 2012). RMS levels for non-impulsive sounds are based on continuous RMS measurements with a time-constant of 1 or 10 seconds that are averaged across the entire event. For impulsive sounds, such as impact pile driving, the pulse RMS level is characterized by integrating sound for each acoustic pulse across 90 percent of the acoustic energy in each pulse and taking the median RMS value of all pulses.

The application of the 120-dB RMS threshold for Level B harassment is used to address vibratory pile driving (or pile removal). This level can sometimes be problematic because this threshold level can be either at or below the ambient noise level of certain locations. The project is adjacent to a busy portion of San Diego Bay where most vessels transiting the bay pass by. These include naval, commercial and private watercraft. The U.S. Navy has conducted ambient underwater sound measurements in the area (North San Diego Bay) that characterize the ambient sound environment at 129.2 dB[2] (NAVFAC, 2020). This ambient level is used as a threshold for behavioral impacts (i.e., Level B harassment).

TABLE 2 Underwater Acoustic Criteria for Marine Mammals

Species	Underwater Noise Thresholds (dB re: 1µPa)				
	Non-Impulsive Disturbance Threshold (*Level B Harassment*)	Impulsive Disturbance Threshold (*Level B Harassment*)	Marine Mammal Hearing Group (see Table 4)	AUD INJ SEL_{cum} Threshold Peak – dB re: 1µPa SEL_{cum} – dB re: 1µPa²-sec	
				Impulsive (*Impact Pile Driving*)	Non-Impulsive (*Vibratory Pile Driving*)
Cetaceans	129.2 dB RMS*	160 dB RMS	Low Frequency	222 dB Peak 183 dB SEL_{cum}	197 dB SEL_{cum}
			High Frequency	230 dB Peak 193 dB SEL_{cum}	201 dB SEL_{cum}
			Very High Frequency	202 dB Peak 159 dB SEL_{cum}	181 dB SEL_{cum}
Pinnipeds	129.2 dB RMS*	160 dB RMS	Phocid	223 dB Peak 183 dB SEL_{cum}	195 dB SEL_{cum}

[2] Data from measurement periods in December 2014, December 2015, and April 5, 2016 (Table 49 of the report), which excluded locally influenced sound measurements at active areas, the average median (or L50) SPL over both years was 129.2 dB RMS.

Species	Underwater Noise Thresholds (dB re: 1µPa)				
	Non-Impulsive Disturbance Threshold (*Level B Harassment*)	Impulsive Disturbance Threshold (*Level B Harassment*)	Marine Mammal Hearing Group (see Table 4)	AUD INJ SEL_{cum} Threshold Peak – dB re: 1µPa SEL_{cum} – dB re: $1µPa^2$-sec Impulsive (*Impact Pile Driving*)	Non-Impulsive (*Vibratory Pile Driving*)
			Otariid	230 dB Peak 185 dB SEL_{cum}	199 dB SEL_{cum}

*Threshold is 120 dB or ambient level, whichever is highest. Ambient levels were measured by the U.S. Navy at 129.2 dB in the Project area.

TABLE 3 Definition of Marine Mammal Hearing Groups

Functional Hearing Group	Generalized Hearing Range*
Low-frequency (LF) Cetaceans –baleen whales	7 Hz to 36 kHz
High-frequency (HF) Cetaceans – dolphins, toothed whales, beaked whales, bottlenose whales	150 Hz to 160 kHz
Very high-frequency (VHF) Cetaceans – true porpoises, *kogia*, river dolphins, *Cephalorhynchus*, *Lagenorhynchus cruciger* & *L. australis*	200 Hz to 160 kHz
Phocid Pinnipeds (PW) – true seals, including harbor seals	40 Hz to 90 kHz
Otariid Pinnipeds (OW) – sea lions and fur seals	60 Hz to 68 kHz

***** Represents the generalized hearing range for the entire group as a composite (i.e., all species within the group), where individual species' hearing ranges may not be as broad. Generalized hearing range chosen based on ~65 dB threshold from composite audiogram, previous analysis in NMFS 2018, and/or data from Southall et al. 2007; Southall et al. 2019. Additionally, animals are able to detect very loud sounds above and below that "generalized" hearing range. [*Source: NMFS 2024];* Note: Hz = hertz

<u>Fish</u>

In 2008, NOAA's NMFS; U.S. Fish and Wildlife Service; California, Oregon, and Washington Departments of Transportation; California Department of Fish and Game; and the U.S. Federal Highway Administration agreed in principle to interim criteria to protect fish from pile-driving activities. The agreed-upon criteria are presented in Table 4. These criteria have applied to fish protected under the Endangered Species Act (ESA 16 U.S.C. 1531-1544) or other fish protected under State laws.

TABLE 4 Adopted Fish Criteria (2008)

Interim Criteria for Injury	Sound Levels Agreed-upon in Principle
Peak	206 dB re 1 µPa (for all sizes of fish)
Cumulative SEL	187 dB re 1 $µPa^2$-sec – for fish size of 2 grams or greater[a] 183 dB re 1 $µPa^2$-sec – for fish size of less than 2 grams[a]

[a] Applies to pile strikes of 150 dB SEL (single strike) or greater.

The adopted criteria listed in Table 4 are for pulse-type sounds (e.g., impact pile driving) and do not address sound from vibratory driving. The SEL criteria are not applied to vibratory driving sounds for assessing impacts to fish. The in-water areas with project sound levels above 150 dB RMS are considered by NMFS to be acoustically affected, given possible behavioral changes in fish; however, these levels are not anticipated to trigger any mitigation requirements (Caltrans

2020). There are no thresholds for non-impulsive sounds (e.g., vibratory pile driving) that apply to fishes.

Substantial research has occurred since the establishment of the “2008 interim injury criteria.” This research was synthesized in the 2024 guidance published by Caltrans (2024). This guidance document reports that the 2008 Interim Criteria are excessively conservative and do not reflect current knowledge of the sound levels at which there may be an onset of effects from impact pile driving. The guidance also identifies ANSI-accredited thresholds developed by Popper et al. (2014 and 2019), as the primary injury criteria that should be used for assessing impact pile driving impacts to fish. Furthermore, this recent Caltrans guidance also acknowledges the “2008 interim injury criteria.”

The 2024 Caltrans guidance indicates that the onset of recoverable injury occurs at a peak sound level of 207 dB and a cumulative SEL of 203 dB. Note that Popper et.al., found that temporary threshold shift (TTS) from elevated underwater sound level occur at or above 186 dB cumulative SEL. This is defined as a recoverable effect. The 2024 Caltrans guidance recommends that the 2008 Interim Criteria for injurious sound levels be replaced with these criteria on an interim basis for all impact pile driving projects in California until such time that additional research indicates that further revisions are necessary.

This assessment incorporates results from the 2008 Interim Injury Criteria along with the 2024 Caltrans guidance, ensuring a comprehensive analysis for impacts to fish.

Green Sea Turtles

Green sea turtles are listed as threatened and protected under the Endangered Species Act (16 U.S.C. 1531-1544). NMFS and the U.S. Fish and Wildlife Service oversee the protection of these turtles. Onset of PTS and TTS thresholds are recommended for sea turtles. Table 5 shows the NMFS acoustic thresholds for Sea Turtles (NMFS, 2023).

Table 5 Underwater Acoustic Thresholds for Sea Turtles

Hearing Group	PTS Onset Thresholds[1] for Impulsive Sources	PTS Onset Thresholds[1] for Non-Impulsive Sources	TTS Onset Thresholds[1] for Impulsive Sources	TTS Onset Thresholds[1] for Non-Impulsive Sources	Onset of Behavioral Disturbance[1] for all sources
Sea Turtles	232 dB Peak 204 dB SEL_{cum}	220 dB SEL_{cum}	226 dB Peak 189 dB SEL_{cum}	200 dB SEL_{cum}	175 dB RMS

[1] Peak, RMS – dB re 1 µPa, SEL_{cum} – dB re 1 µPa^2-sec

PROJECT UNDERWATER SOUND-GENERATING ACTIVITIES

The primary type of activity that has the potential to elevate underwater sound levels is the installation of piles using an impact pile driver. This activity could both harass and possibly cause injury to marine mammals, fish and sea turtles. Vibratory pile installation or removal could harass marine mammals if they are present, but to a lesser extent than impact pile driving. Other sounds include those from demolition. For this project, piles are expected to be installed using impact installation. Construction activities that could generate underwater sound are summarized below.

- Pier 4. The proposed improvements entail the replacement of the existing timber pier with a concrete fixed deck pier supported by concrete piles and protected by a fender system. The proposed concrete fixed pier would provide similar functions to the existing structure, which include continuous operations and with nighttime lighting, a jib crane for lifting the ship's catch, gear, equipment, nets, and traps from the berthed ship to the pier deck, and allowance for truck and forklift access over the fixed pier. The proposed pier would be an L-shaped structure with an area of approximately 3,670 square feet (sf). For concrete support piles requiring deeper penetration (i.e., concrete support piles at Pier 4), an impact hammer would be used. Similar to the guide piles (see Piers 5 through 8, below), the number of concrete support piles to be installed per day/week would vary based on the difficulty of the installation process in a given area and the designated number of concrete support piles to be replaced. The number of concrete support piles installed would be 4 piles per day, and 15 to 20 piles per week (assuming 5-day work weeks). For the concrete support piles (12- and 16-inch square piles), the number of pile strikes is estimated to be 120 blows per pile. In the event that jetting is not possible, these may take 240 blows per pile.

- Piers 5 through 8. The project includes the replacement of Piers 5, 6, 7, and 8 with a set of new floating docks, totaling approximately 28,000 sf. The proposed piers would consist of three finger docks, a floating work platform, associated head walks, three pedestrian gangways, one loading ramp, four concrete abutment platform and security gate structures at the shoreline. New concrete piles would be installed to support the new dock configuration. The guide piles (for Piers 5, 6, 7, and 8) would be jetted to 5 feet from tip elevation and then driven by impact hammer to the final depth. The number of guide piles to be installed per day/week would vary based on the difficulty of the installation process in a given area and the designated number of piles to be replaced. Generally, the number of guide piles to be installed per day would be approximately 6 guide piles per day, and 30 per week (assuming 5-day work weeks). For the guide piles, the number of pile strikes is estimated to be 65 blows per pile. In the event that jetting is not possible, these may take 95 blows per pile.

- Floating Wave Attenuator. The 270-foot in length wave attenuator would consist of a concrete deck supported by 24-inch octagonal vertical precast concrete piles. The wave attenuator is proposed to address existing damage and prevent future damage from wave action and to maintain safe operation of the marina. Floating Wave Attenuator piles are guide piles and would be jetted to 5 ft from tip and then impact driven. These are larger and longer piles so may take more blows and fewer per day than Pier 5 to 8 guide piles. This analysis assumes approximately 4 piles per day with 85 blows per pile. In the event that jetting is not possible, these may take 145 blows per pile.

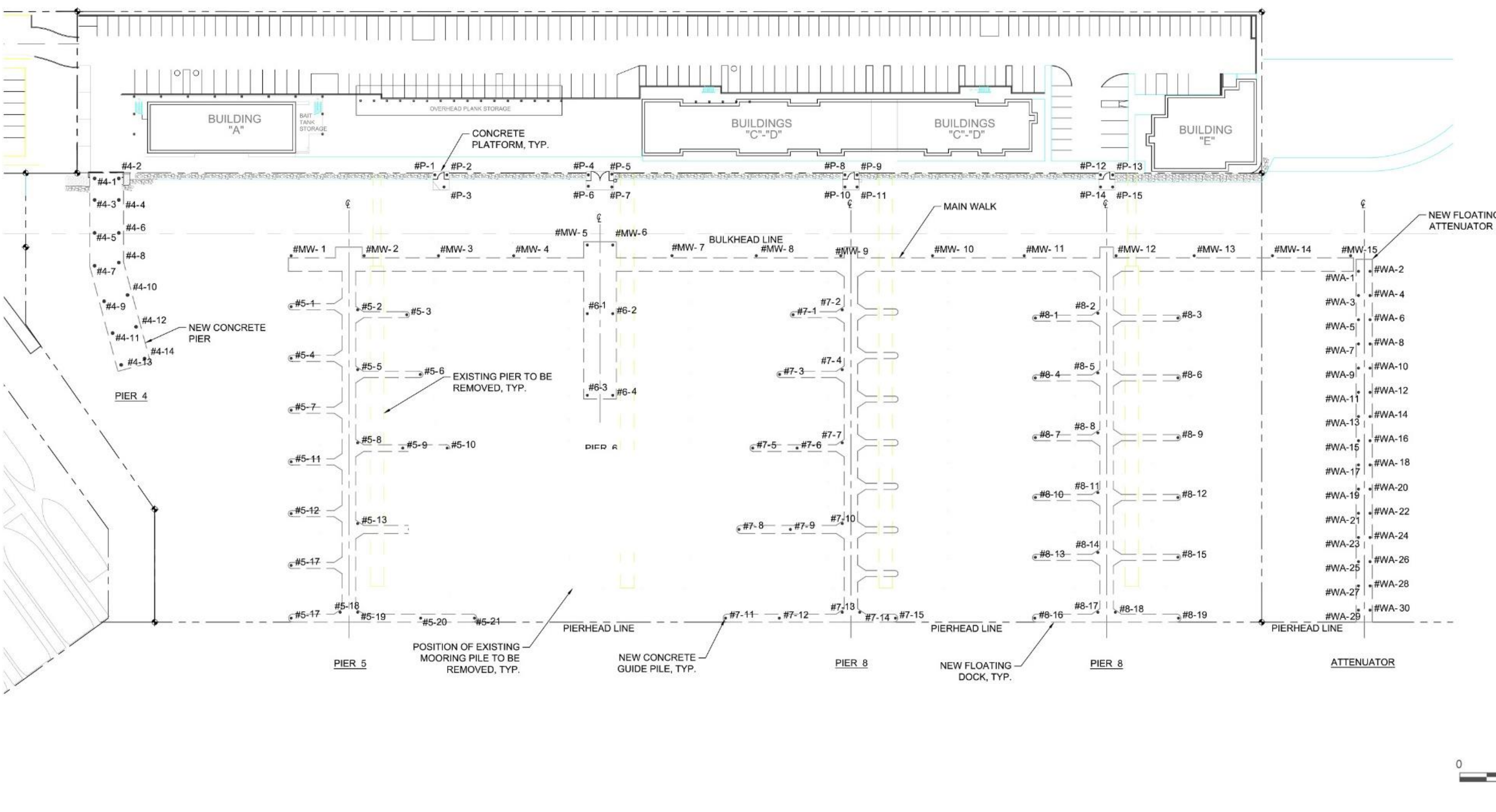
Figure 4 shows the proposed pile layout for the project. Table 6 summarizes the activities that would cause elevated underwater sound levels. Pile driving in the water causes sound energy to radiate directly into the water by vibrating the pile between the surface of the water and the substrate, and indirectly as a result of ground-borne vibration in the substrate. Airborne sound does not make a substantial contribution to underwater sound levels because of the attenuation of sound at the air/water interface.

TABLE 6 Sound Generating Activities for the Proposed Project Using An Impact Hammer Only and No Jetting

Structure	Component Structure	Pile Type	Pile Location	Maximum Strikes per Pile*	Piles per Day	Total Number of Piles
Pier 4	Concrete pier (e.g., concrete pier deck, support piles, floating camels, and fender system)	16-inch square concrete	In Water	240	4	14
		12-inch square concrete	In Water	240	4	16
Pier 5	Guide piles (Concrete)	16-inch round	In Water	95	6	21
	Concrete Platform Piles	12-inch square	In Water	240	4	3
Pier 6	Guide piles (Concrete)	16-inch round	In Water	95	6	4
	Concrete Platform Piles	12-inch square	In Water	240	4	4
Pier 7	Guide piles (Concrete)	16-inch round	In Water	95	6	15
	Concrete Platform Piles	12-inch square	In Water	240	4	4
Pier 8	Guide piles (Concrete)	16-inch round	In Water	95	6	19
	Concrete Platform Piles	12-inch square	In Water	240	4	4
Main Walk	Guide piles (Concrete)	16-inch round	In Water	95	6	15
Floating Wave Attenuator		24-inch square concrete	In Water	145	4	30

*The estimate for the maximum strikes per pile assume that piles would not be jetted in order to present a worst-case scenario in the event jetting is not permitted.

FIGURE 4 Proposed Pile Layout



NO. OF PILES	
AREA	QTY
PIER 4	14
PIER 5	21
PIER 6	4
PIER 7	15
PIER 8	19
MAIN WALK	15
ATTENUATOR	30
PLATFORMS	15
TOTAL	133

Predicted Underwater Sound Levels from Construction

This assessment predicts underwater sound levels associated with the different in-water construction activities that are anticipated. Construction activities include the impact pile driving of concrete piles. The pulling of concrete or other piles and jetting is not anticipated to generate substantial underwater sound that would be harmful (i.e., sound that would cause injury or some form of harassment).

The prediction of sound levels from pile-driving and other construction activities proposed for this project relies on sound-source data, transmission loss (i.e., reduction of sound with increased distance from source), the type of activity, and the amount of activity. Sound data is based on measured sound levels for similar activities. Table 7 below shows the studies used to aid in predicting underwater sound levels.

The distance to each threshold was computed using the transmission loss coefficient of 15 times the Log_{10} of the distance, as recommended by NMFS when there is no site-specific information for the area.

Underwater Sound Levels from Project Construction Activities

The values in Table 7 are for sound levels measured at 10 meters (m) or 33 feet (ft) from the piles or other construction activities for conditions similar to those that would occur at this project. Detailed information on the measurements that make up these levels below are provided in the references and described below.

TABLE 7 Measured Levels for Activities Generating Underwater Sound Impacts

Driving Method	Pile Type	Size	Sound Pressure Level in dB at 10 m			TL[1]	Notes
			Peak	RMS	SELss		
Impact	Concrete pile in water	12-inch	193	168	160	15	16-in concrete piles driven at Westside Boat Launch Bodega Bay, CA (Caltrans, 2020) [2]
Impact	Concrete pile in water	16-inch					
Impact	Concrete pile in water	24-inch	195	182	168	15	Average of measurements that were conducted for 6 piles on 3 separate days at USCG Homeport LA/LB base in Long Beach

[1] Coefficient of the transmission loss, expressed as a Log_{10} function of the increasing distance from the source.
[2] Insufficient data for 12-inch piles. The data for 16-inch piles is used conservatively as a source level for both 12- and 16-inch piles.

Three types of concrete piles will be driven. These include 12-inch and 24-inch square concrete piles, along with 16-inch round concrete piles. These would be installed by impact hammer. The 12-inch piles would be impact driven. The 16-inch guide piles that would secure the floating docks are planned to be jetted to 5 feet from tip elevation and then impact driven. Piles for the 'Floating Wave Attenuator' will be 24-inch concrete piles that are also planned to be jetted to 5 feet from tip elevation and then impact driven.

The pile driving methods above are described as impact and jetting. Impact driving would generate levels much louder than jetting. Therefore, source levels are based on measurements of impact pile driving sounds made at 10 meters (m) from a similar sized pile.

Caltrans (2020) have published results of sound levels measured for various projects. These levels are also summarized in the NMFS Multi-Species Pile Driving Calculator. Due to a lack of data collected for 12-inch concrete piles, levels measured for the 16-inch concrete piles are used to conservatively assess impacts from both the 12-inch and 16-inch concrete piles. The Westside Boat Launch project at Bodega Bay, California was used as a representative project from the Compendium for source sound levels from impact driving of 16-inch concrete piles.

Underwater sound measurements were recently measured for the impact driving of 24-inch diameter octagonal concrete piles at the United States Coast Guard (USCG) Homeport LA/LB base in Long Beach during wharf construction (Illingworth & Rodkin Inc., 2023). These levels were louder than those reported by Caltrans and the US Navy and are representative of the area. Although source levels were louder than other similar size concrete piles measured and reported by Caltrans (2020), the TL measured for this project was equivalent to a 22 dB decrease in sound per 10-fold increase in distance from the source. This indicates a much greater decrease in sound level than modeling using a Practical Spreading Loss Model recommended by NMFS (2023). Caltrans (2020) data indicates that levels are about 10 to 15 dB lower. The louder sound levels measured for the USCG project were used in this assessment and are likely an overestimate given the range of other sound levels that are considerably lower. Measured levels are peak pressures of 195 dB, RMS pulsed levels of 182 dB and SEL per strike of 168 dB at 10 m.

Weighting Frequency Adjustments

NMFS guidance (2018, 2024) defines frequency dependent marine mammal auditory weighting factor adjustments (WFAs) that reflect hearing or susceptibility to underwater sound-induced hearing loss. The default WFA for impact pile driving is based on a single 1/3rd-octave band frequency adjustment at 2 kHz. For vibratory driving and dredging, the adjustment is at 2.5 kHz. This adjustment is the default setting in the NMFS Users Spreadsheet Tool that is applied to all impact pile driving sounds, regardless of pile type or attenuations effects.

Table 8 provides the WFAs used for modeling sound impacts to marine mammals for each underwater sound producing activity.

TABLE 8 WFAs for Project Construction Activities

Activity	Cetaceans[1]			Pinnipeds[1]	
	LF	HF	VHF	Phocid	Otariid
Impact Piles - Concrete (2kHz) [2]	-0.03	-3.45	-21.19	-0.80	-5.23

[1] See Table 3 for definitions for hearing groups.
[2] Based on NMFS suggested default value for broadband sources.

Acoustic Modeling Inputs

Sound impacts were predicted using the 2024 Multi-Species Pile Driving Calculator (Version 2.0 [2024]) for the different aquatic species. Sound levels reported above for the various activities are used as an input for this model, along with the parameters that describe each activity in terms of duration and frequency content (i.e., WFAs). Duration is described in terms of time for non-impulsive sounds and by the number of pules (e.g., pile strikes) for impulsive sounds. Inputs are based on activity descriptions presented in Tables 6 through 8.

Predicted Underwater Impact Zones

Predicted Impacts on Fishes

Table 9 shows the anticipated distances (in m and in feet[ft]) to the various adopted 2008 interim fish thresholds (NMFS, 2022). Distances are also shown for the 203 dB cumulative SEL threshold recommended by the Caltrans 2024 guidance. Distances are shown for both unattenuated and attenuated piles (5-dB attenuation). The cumulative SEL was computed by adding 10 times the Log_{10} of the number of impact pile strikes to the 10-meter (33-foot) SEL source level provided in Table 7. Impact strikes used in these computations are the sum of the anticipated strikes per pile times the number of piles per day. NMFS applies an “effective quiet” level to the assessment of SEL_{cum} for fish. Piles strikes with SEL less than 150 dB do not accumulate to cause injury. This concept does not apply to computations of impacts to marine mammals nor turtles.

TABLE 9 Distance to Adopted Fish Thresholds for Construction Activities

Method	Pile Type	Size	Piles per Day	Max. No. of Strikes per Pile[a]	Condition	Distance to Adopted Fish Thresholds (m [ft])				
						Peak 206 dB	RMS 150 dB	Cumulative SEL 203 dB	Cumulative SEL 187 dB	Cumulative SEL 183 dB
Impact	Concrete pile in water	12-inch	4	240	Unattenuated No Jetting	--[b]	159 m *[520 ft]*	--[b]	15 m [*51 ft*]	29 m [*94 ft*]
					Unattenuated with Jetting	--[b]	80m [*260 ft*]	--[b]	8 m [*26 ft*]	15 m [*47 ft*]
		16-inch	6	95	Unattenuated No Jetting	--[b]	159 m *[520 ft]*	--[b]	11 m *[36 ft]*	20 m *[66 ft]*
					Unattenuated with Jetting	--[b]	111m [*364 ft*]	--[b]	8 m [*26 ft*]	14 m [*46 ft*]
		24-inch	4	145	Unattenuated No Jetting	--[b]	1,359 m *[4,460 ft]*	--[b]	38 m *[124 ft]*	70 m *[228 ft]*
					Unattenuated with Jetting	--[b]	815 m [*2,675 ft*]	--[b]	23 m [*75 ft*]	42 m [*138 ft*]

[a]Assumes a worst-case scenario where only an impact hammer is used and no jetting is permitted. If jetting is performed, substantially fewer piles strikes would be needed. This would reduce the impact zones for fish that are based on Cumulative SEL values.
[b] Within the near-field of the sound source - < 10 m [33 ft]
Note : Refer to Attachment A for illustration of fish impact distances
Refer to Attachment B for screenshots of NMFS calculator tool used for the impact distances

Predicted Impacts on Marine Mammals

The following threshold distances were computed to assess impacts on marine mammals:

- Distance to onset AUD INJ for each hearing group (considered Level A impacts)

- Distance for unweighted continuous (vibratory) and impulsive (impact driving) behavior isopleth (considered Level B impacts)

The 2024 Multi-Species Pile Driving Calculator (Version 2.0 [2024])[3] was used to predict zones where the onset of AUD INJ to marine mammal hearing could occur. A spreading loss calculation is included in the spreadsheet to predict the distance to the onset AUD INJ from accumulated SEL and peak sound pressure. The spreadsheet incorporates a frequency weighting function that accounts for sensitivity for different hearing groups when computing the accumulated SEL. These are referred to as weighting frequency adjustments. The default weighting frequency adjustments are 2 kHz for impact pile driving and 2.5 kHz for vibratory driving. Because the onset of AUD INJ based on cumulative SEL is computed as further from the pile than it would be using peak sound pressure computations, the onset of AUD INJ is based on SEL computations; therefore, the onset of AUD INJ based on peak sound levels is not provided in this assessment.

The extent of the Level B Zone was calculated using the 10-meter (33-foot) sound levels and applying a transmission loss coefficient of 15 times the Log_{10} of the distance, as recommended by NMFS when there is no site-specific information for the area.

Table 10 presents the anticipated distances to the adopted marine mammal thresholds (Level A and Level B Zones). The peak AUD INJ thresholds that apply to marine mammals will not be reached. Distances are shown for both unattenuated and attenuated pile-driving activities expected from the project, for the estimated number of strikes and piles per day proposed.

[3] Distances to Marine Mammal thresholds also calculated using Optional Multi-Species Pile Driving Calculator 2.0 (2024) - https://www.fisheries.noaa.gov/national/marine-mammal-protection/marine-mammal-acoustic-technical-guidance . Screenshots of calculated results shown in Attachment B

TABLE 10 Distance to the Adopted Marine Mammal Thresholds for Different Construction Activities – Level A & B zones

Method	Pile Type	Size	Piles per day	Max. No. of strikes or duration per pile[a]	Condition	Level A injury zone (m [ft]) (using SEL_{cum} Threshold)					Level B harassment zone (using RMS)
						Cetaceans			Pinnipeds		
						LF	HF	VHF	PW	OW	
Impact	Concrete pile in water	12-inch	4	240	Unattenuated No Jetting	28 m *[93 ft]*	--[b]	44 m *[144 ft]*	25 m *[83 ft]*	10 m *[33 ft]*	34 m *[112 ft]*
					Unattenuated with Jetting	14 m *[47 ft]*	--[b]	22 m *[72 ft]*	13 m *[42 ft]*	--[b]	
		16-inch	6	95	Unattenuated No Jetting	20 m *[66 ft]*	--[b]	31 m *[102 ft]*	18 m *[58 ft]*	--[b]	34 m *[112 ft]*
					Unattenuated with Jetting	14 m *[47 ft]*	--[b]	22 m *[72 ft]*	13 m *[43 ft]*	--[b]	
		24-inch	4	145	Unattenuated No Jetting	69 m *[227 ft]*	--[b]	107 m *[351 ft]*	62 m *[202 ft]*	23 m *[75 ft]*	293 m *[961 ft]*
					Unattenuated with Jetting	14 m *[47 ft]*	--[b]	64 m *[210 ft]*	37 m *[121 ft]*	16 m *[53 ft]*	

[a]Assumes a worst-case scenario where only an impact hammer is used and no jetting is permitted. If jetting is performed, substantially fewer piles strikes would be needed. This would reduce the impact zones for marine mammals that are based on Cumulative SEL values. .
[b] Within the near-field of the sound source - < 10 m [33 ft]
Note : Refer to Attachment A for illustration of marine mammal impact distances
Refer to Attachment B for screenshots of NMFS calculator tool used for the impact distances

Predicted Impacts to Sea Turtles

Table 11 shows the predicted distances to the sea turtle thresholds as mentioned in Table 5. These distances have been calculated for impact driving and their respective levels expected from the project using the transmission loss coefficients as discussed in Table 7.

TABLE 11 Distance to the Adopted Green Sea Turtle thresholds

Method	Pile Type	Size	Piles per Day	No. of Strikes per Pile[a]	Condition	Distance to Sea Turtle threshold: Peak 232 dB	RMS 175 dB	Cumulative SEL 204 dB[b]	Cumulative SEL 220 dB[c]
Impact	Concrete pile in water	12-inch	4	240	Unattenuated No Jetting	0 m *[0 ft]*	--[d]	--[d]	NA[c]
					Unattenuated with Jetting	0 m *[0 ft]*	--[d]	--[d]	NA[c]
		16-inch	6	95	Unattenuated No Jetting	0 m *[0 ft]*	--[d]	--[d]	NA[c]
					Unattenuated with Jetting	0 m *[0 ft]*	--[d]	--[d]	NA[c]
		24-inch	4	145	Unattenuated No Jetting	0 m *[0 ft]*	29 m *[96 ft]*	--[d]	NA[c]
					Unattenuated with Jetting	0 m *[0 ft]*	17 m *[58 ft]*	--[d]	NA[c]

[a] Assumes a worst-case scenario where only an impact hammer is used and no jetting is permitted. If jetting is performed, substantially fewer piles strikes would be needed.
[b]For impulsive sound sources
[c] Not applicable since this threshold is for continuous sound sources
[d] Within the near-field of the sound source - < 10 m [33 ft]
Note : Refer to Attachment B Figures for screenshots of NMFS calculator tool used for the impact distances

It is important to note that no values are reported for distances within 10 m (33 ft) of the source for fish, marine mammals and sea turtles because this near-field zone is characterized by complex and highly variable acoustic behavior. Sound levels in this region are not reliably measurable due to interference and other complex effects close to the source. As a result, standard modeling practices and regulatory guidance exclude near-field data (less than 10 m), focusing instead on far-field predictions that more accurately represent potential exposure for fish, marine mammals, and sea turtles.

Effect of Jetting

Piles are planned to be installed by the combination of jetting and impact driving. The predictions of sound levels and associated impact zones are based on a worst-case scenario where jetting is not performed. If jetting is performed, then there would be substantially fewer piles strikes. This would reduce the impact zones for fish and marine mammals that are based on Cumulative SEL values[4]. The reduction in these zones, in terms of radius, would be 50 percent for the Pier 4 support piles, 30 percent for the Piers 5 through 8 guide piles, and 40 percent for the wave attenuator support piles. See Tables 9, 10, and 11 above.

[4] There are no injurious impacts predicted for sea turtles based on a scenario with no jetting.

Attenuation Methods

Impact driving of concrete piles typically includes the use of cushion blocks that reduce sound pressure levels. The unattenuated levels presented in this report include the effect of wood cushion blocks, since they are used to protect the pile. If additional sound reduction is necessary, air bubble curtains, either confined or un-confined, have been shown to reduce sound pressure levels for impact pile driving in water by up to about 5 to 20 dB within 300 m of the pile (Caltrans 2020). The Caltrans guidance recommends a 5-dB reduction be used for calculating the distances to the fish and marine mammal thresholds. The attenuated levels provided in this report are based on the use of an air bubble curtain.

The design of the specific bubble ring configuration depends on several factors, such as the depth of water and the water current. Air bubble curtain systems are commonly used during production pile driving to reduce underwater sound pressures. Typically, a system consists of stacked rings to generate air bubbles throughout the entire water column surrounding the piles, even with currents. It is critical to ensure bubble flux throughout the entire water depth, especially near the bottom. A bubble curtain system is generally composed of air compressors, supply lines to deliver the air, distribution manifolds or headers, perforated aeration pipes, and a frame. The frame is used to facilitate transportation and placement of the system, keep the aeration pipes stable, and provide ballast to counteract the buoyancy of the aeration pipes during pile-driving operations. Bubble curtain designs consist of single or multiple concentric layers of perforated aeration pipes (stacked vertically). Pipes in any layer are arranged in a geometric pattern that allows the pile-driving operation to be completely enclosed by bubbles for the full depth of the water column. The lowest layer of perforated aeration pipe is designed to ensure contact with the mud line without sinking into the bottom substrates. A proper combination of bubble density and closeness of bubbles to the pile is most effective. Numerous smaller bubbles are more effective because they displace more water between the bubbles. Again, this pattern has to be maintained throughout the water column.

While not considered an attenuation method, jetting a pile reduces the number of pile strikes necessary to drive a pile and reduces the area of injurious impacts to marine species. Please see the “Effect of Jetting” discussion provided above.

Illustration of Impacts

Attachment A includes maps displaying the extent of fish injury zones and marine mammal Level A and B Zones, and the maximum extent of the sea turtle behavioral disturbance zone around the proposed project site for the construction activities proposed. Attachment B includes screenshots from the *NMFS Multi-Species Calculator* (October 2024) tool for the construction activities proposed that was used to calculate distances to fish, marine mammal and sea turtle thresholds.

Dredging Impacts

This section discusses the extent of potential hydroacoustic impacts associated with 111,451 square feet of dredging operations that could occur as part of the mitigation strategies implemented for the project. According to Discovery of Sound in the Sea (DOSITS, 2021), dredging is an excavation activity that involves removing materials from the seafloor, lake bottoms, riverbeds, harbors, and other water bodies. The depth of navigation channels and harbors needs to be maintained over time or in some cases increased if vessels use the area. Other purposes for dredging include flood and storm protection, extraction of mineral resources, fishing for benthic animals, and removal of contaminated sediments.

A variety of techniques are used for dredging. Mechanical dredging involves the use of a crane-operated grab or bucket to remove seabed materials. Hydraulic (suction) dredging works by sucking a mixture of dredged material and water from the seabed through a suction pipe that may or may not have a tool at its end ("drag head") to disturb and/or break up bottom materials. Underwater measurements of noise generated by dredging vessels are limited. The main processes that contribute to noise associated with dredging are collection noise, pump noise, transport noise (material being lifted from the seafloor to the dredger), deposition noise (placing material within a barge or hopper), and ship/machinery noise from the dredging vessel itself. In general, dredging produces continuous, broadband sound concentrated at or below 1 kHz. Sound pressure levels can vary widely depending on dredger type, operational stage, or environmental conditions. Noise levels also depend on the materials being extracted, with harder sediment extraction generating higher noise levels than loose or soft sediment extraction (DOSITS, 2021).

For this project, a "mechanical" dredging operation is assumed, that typically involves using a grab dredge (commonly referred to as a clamshell or bucket dredge). This activity is a stationary operation, where grab dredges are held in place with spuds or anchors. Often several scows are used to store and transport the dredged material for placement with intermittent use of vessels (e.g., tugs) to move scows for disposal. Typical sound generating activities involve the bucket striking the bottom and opening/closing, winching, and dumping material on to the scow. Occasional movement of scows generate sounds from vessel activity, while other dredging operations temporarily cease. The USACE (Suedel et al., 2019) and Mc Queen et al. (2018) report sound levels of 107 to 124 dB at 150 m. Propagating the sound back to the source yields a maximum level of 157 dB at 1 m.

Dredging sounds are treated as non-impulsive sounds**.** As a result, the extent of dredging sound impacts was assessed with the criteria presented for non-impulsive sounds. Auditory injury impacts to fish, marine mammals (Level A) and sea turtles are not expected beyond 10 m (33 ft). Behavioral effects for marine mammals would be limited to 71 m (233 ft).

AIRBORNE NOISE LEVELS FROM PROJECT PILE DRIVING

Fundamentals of Airborne Noise

Airborne sound is treated slightly differently than underwater sound. For example, the decibel scale used to express airborne sounds reference an acoustic pressure of 20 µPa rather than 1µPa, as 20µPa is the threshold of healthy human hearing. Sound transmission in air from a single source (i.e., a "point" source) radiates uniformly outward in a more spherical pattern as it travels away from the source since the propagating field is less bounded. The sound level attenuates (or drops off) at a rate of 6 dBA for each doubling of distance. This is expressed as a logarithmic function, where sound decreases 20 dB for each 10-fold increase in distance. Usually, the noise path between the source and the observer is very close to the ground. Noise attenuation from ground absorption and reflective wave canceling adds to the rate of attenuation. Traditionally, the excess attenuation has also been expressed in terms of attenuation per doubling of distance. This approximation is done for simplification only; for distances of less than 300 feet, prediction results based on this scheme are sufficiently accurate. For acoustically "hard" sites (i.e., sites with a reflective surface, such as a smooth body of water, between the source and the receiver), no excess ground attenuation is assumed. Sounds generated from construction activities are considered point sources, rather than a line source such as a freeway or roadway. The marine environment around the project site is mostly water and would be considered a "hard" site.

Airborne Noise Thresholds

In-air acoustic impacts are only considered for marine mammals that would haul out of the water. Therefore, pinnipeds (seals and sea lions) are considered but cetaceans (whales, dolphins, and porpoises) are not. NMFS (2023) states the following (Table 12) in-air behavioral thresholds for marine mammals.

Table 12 In-Air Onset of Behavioral Disturbance Acoustic Thresholds

Species/Group	Threshold (RMS, unweighted)[1]
Harbor Seal	90 dB re 20 µPa
All other pinnipeds	100 dB re 20 µPa

[1] Note: Sound levels underwater (re: 1 µPa) have a different reference pressure compared to in-air sounds (re: 20 µPa)

According to the latest 2024 NMFS guidance, there have been changes in the criteria used to evaluate impacts to Phocid and Otariid Pinnipeds. Table 13 shows the auditory injury criteria for the respective Pinnipeds.

Table 13 In-Air Onset of Auditory Injury (2024 NMFS Guidance)

Species/Group	Threshold[1]	
	Impulsive	Non-impulsive
Phocid Pinnipeds	162 dB Peak 140 dB Cumulative SEL[2]	154 dB Cumulative SEL[2]
Otariid Pinnipeds	177 dB Peak 163 dB Cumulative SEL[2]	177 dB Cumulative SEL[2]

[1] Note: Peak sound pressure has a reference value of 20 µPa (in air) and weighted cumulative sound exposure level has a reference value of 20 µPa²s (in air).
[2] The recommended accumulation period is 24 hours

Airborne Noise Source Levels

Impact pile driving sound levels for 24-inch concrete piles are based on measurements that were conducted at the USCG Homeport LA/LB base in Long Beach, California. These measurements recorded sound levels of 95 dBA at 100 feet (97 dB unweighted). This report utilizes these sound levels to characterize the airborne sounds generated by impact driving of all concrete piles associated with the proposed construction.

Airborne Impacts from Impact Pile Driving and Rock Chipping Concrete Demolition

The airborne source sound levels were used to calculate a 24-hour cumulative SEL for the concrete piles. The 24-hour cumulative SEL for concrete piles would be 137 dB at 15 m (50 ft). Table 14 shows the distances to the Auditory Injury and Behavioral thresholds.

TABLE 14 Distance to Airborne Thresholds for Impact Driving

Pile type	Species/Hearing Group	Distance (meters)			
		Auditory Injury Thresholds[1]		Behavioral Thresholds[1]	
		Peak 162 dB Phocid 177 dB Otariid	$SEL_{cum, 24h}$ 140 dB Phocid 163 dB Otariid	100 dB RMS	90 dB RMS
24-in Concrete Pile	Phocid Pinnipeds (including harbor seals)	--[2]	11	22	69
	Otariid Pinnipeds	--[2]	--[2]		

[1] Peak sound pressure and RMS has a reference value of 20 µPa (in air) while the weighted cumulative sound exposure level has a reference value of 20 µPa²s (in air).
[2] Within the near-field of the sound source - < 15 m [50 ft]

REFERENCES

California Department of Transportation (Caltrans). 2020. Technical Guidance for Assessment and Mitigation of the Hydroacoustic Effects of Pile Driving on Fish. Prepared by ICF International and Illingworth & Rodkin, Inc. Report No. CTHWANP-RT-20-365.01.04. October. https://dot.ca.gov/-/media/dot-media/programs/environmental-analysis/documents/env/
hydroacoustic-manual.pdf.

California Department of Transportation (Caltrans). 2024. Hydroacoustic Impact Assessment for Pile Driving Research And Application Of Best Available Science Prepared by David Buehler, Melinda Molnar, Bruce Rymer, Jimmy Walth, Ryant Stiltz, Hernan Perez.

DOSITS (Discovery of Sound in the Sea). 2021. Accessed August, 2025. https://dosits.org/galleries/audio-gallery/anthropogenic-sounds/dredging/.

Finerran, J.J. 2002. "Temporary Shift in Masked Hearing Thresholds in Odontocetes after Exposure to Single Underwater Impulses from a Seismic Watergun." Journal of the Acoustical Society of America. Vol. 111. June 4. https://doi.org/10.1121/1.1479150.

Illingworth & Rodkin Inc., (2023). USCG Construct OPC Homeport LA / LB Project. Hydroacoustic Monitoring Report.

ISO 18406:- Underwater acoustics — Measurement of radiated underwater sound from percussive pile driving

McQueen, A.D., Suedel, B.C., Wilkens, J.L., and Fields, M.P. 2018. "Evaluating biological effects of dredging-induced underwater sound," Proceedings of the Western Dredging Association Dredging Summit & Expo '18, Norfolk, VA, USA, June 25 – 28, 2018.

National Marine Fisheries Service (NMFS). 2012. NMFS Northwest Region and Northwest Fisheries Science Center. Guidance Document: Sound Propagation Modeling to Characterize Pile Driving Sounds Relevant to Marine Mammals

National Marine Fisheries Service (NMFS). 2018. 2018 Revision to: Technical Guidance for Assessing the Effects of Anthropogenic Sound on Marine Mammal Hearing (Version 2.0) - Underwater Acoustic Thresholds for Onset of Permanent and Temporary Threshold Shifts. April. https://media.fisheries.noaa.gov/dam-migration/tech_memo_acoustic_guidance_(20)_(pdf)_
508.pdf

National Marine Fisheries Service (NMFS) 2024 Optional Multi-Species Pile Driving Calculator Version 2.0 (October 2024)

National Marine Fisheries Services (NMFS). 2023. *National Marine Fisheries Services: Summary of Marine Mammal Protection Act Acoustic Thresholds.* February. Available at https://www.fisheries.noaa.gov/s3/2023-02/MMAcousticThresholds_secureFEB2023_OPR1.pdf Accessed Sep 15, Accessed Sep. 5, 2024.

National Marine Fisheries Services (NMFS). 2024. *Update to: Technical Guidance for Assessing the Effects of Anthropogenic Sound on Marine Mammal Hearing (Version 3.0)*. October. Latest draft available at https://www.fisheries.noaa.gov/national/marine-mammal-protection/marine-mammal-acoustic-technical-guidance Accessed October 29, 2024.

Naval Facilities Engineering Command Southwest (NAVFAC SW). 2020. *Compendium of Underwater and Airborne Sound Data During Pile Installation and In-Water Demolition Activities in San Diego Bay, California*. October 2020. Prepared by Tierra Data, Inc.

Suedel, B. C., McQueen, A. D., Wilkens, J. L., & Fields, M. P. 2019. Evaluating Effects of Dredging-Induced Underwater Sound on Aquatic Species: A Literature Review. U.S. Army Engineer Research and Development Center, Environmental Laboratory. ERDC/EL TR-19-18. Accessed August 2025.

Attachment A

Maps Illustrating the Maximum Fish Injury Zones and Marine Mammal Level A and B Zones Based on No Jetting

FIGURE A-1 Maximum Extent of Fish Impacts for Impact driving of 12-inch Concrete Piles (Note: with jetting, these zones would be 30 to 50 percent smaller)

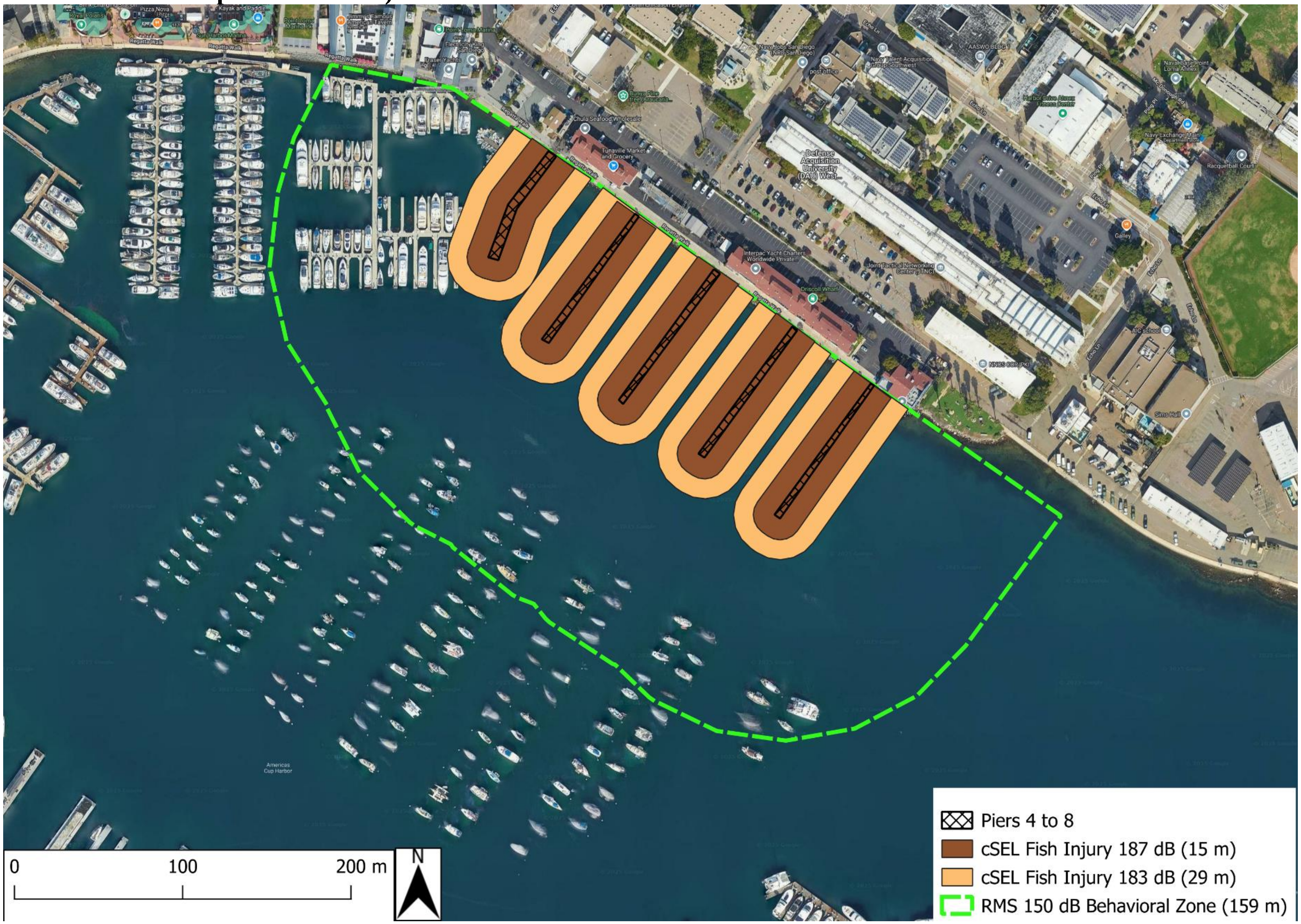


FIGURE A-2 Maximum Extent of Fish Impacts for Impact driving of 16-inch Concrete Piles (Note: with jetting, these zones would be 30 to 50 percent smaller)

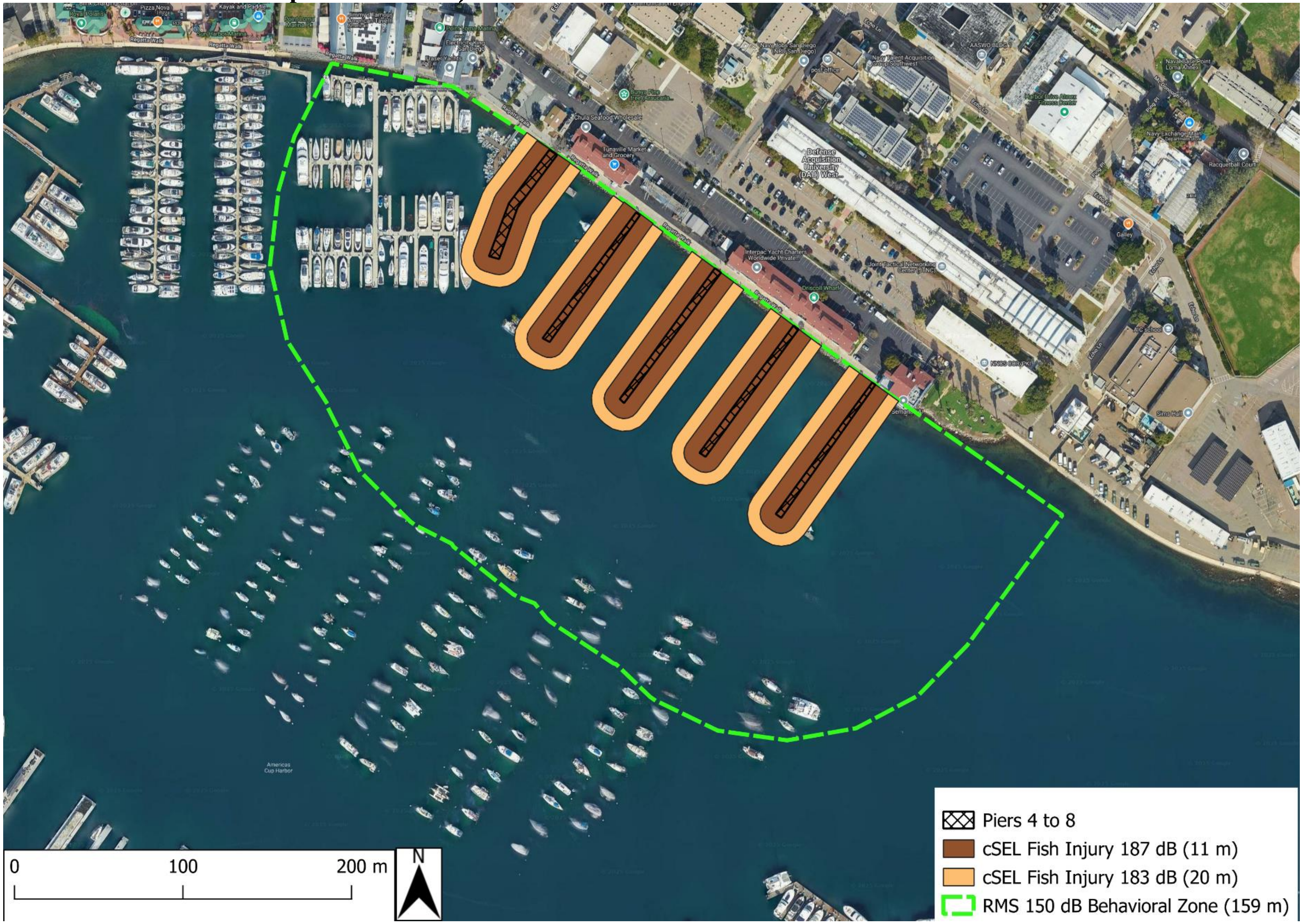


FIGURE A-3 Maximum Extent of Fish Impacts for Impact driving of 24-inch Concrete Piles (Note: with jetting, these zones would be 30 to 50 percent smaller)

FIGURE A-4 Maximum Extent of Marine Mammal Impacts for Impact Driving of 12-inch Concrete Piles (Note: with jetting, these zones would be 30 to 50 percent smaller)

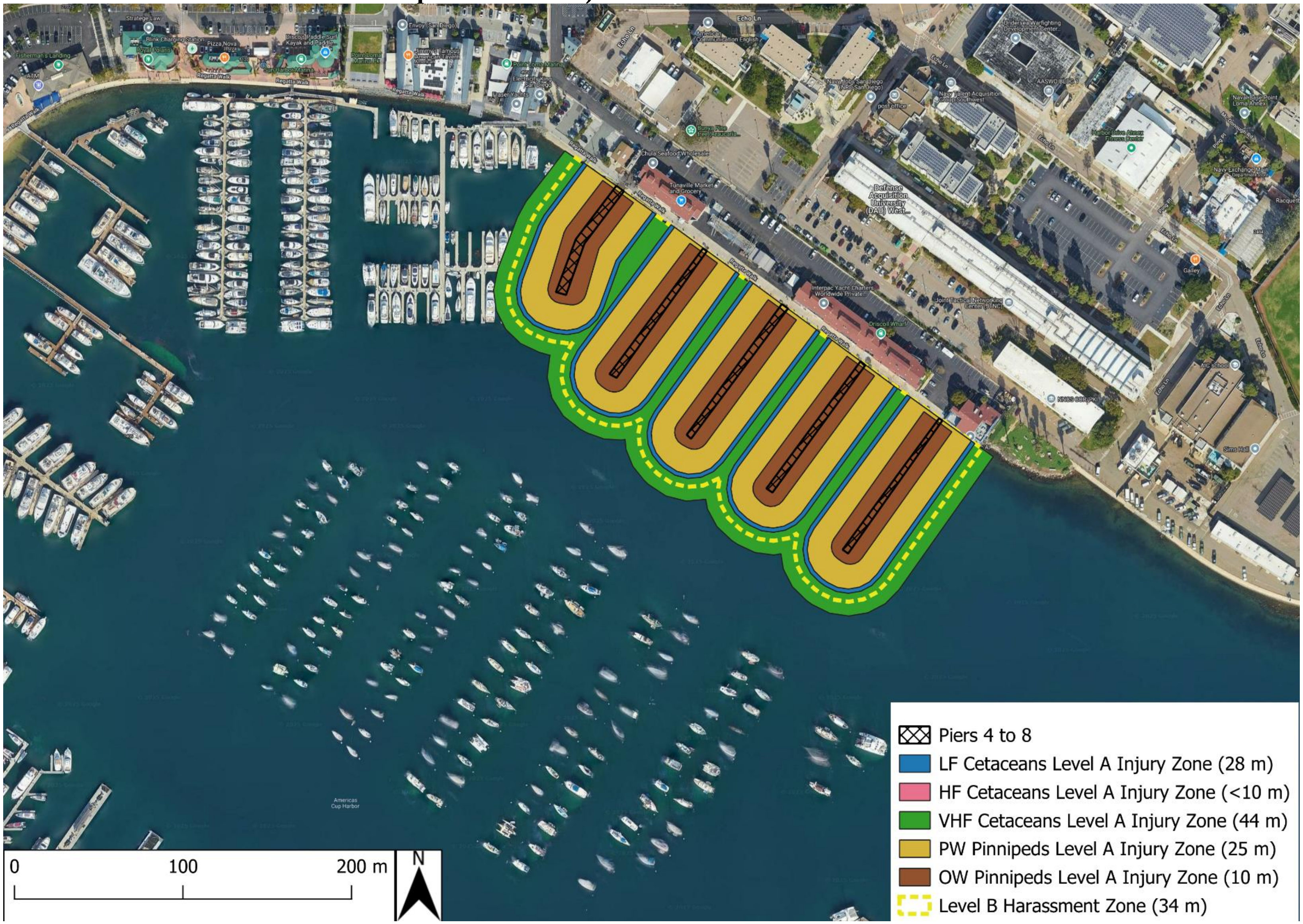


FIGURE A-5 Maximum Extent of Marine Mammal Impacts for Impact Driving of 16-inch Concrete Piles (Note: with jetting, these zones would be 30 to 50 percent smaller)

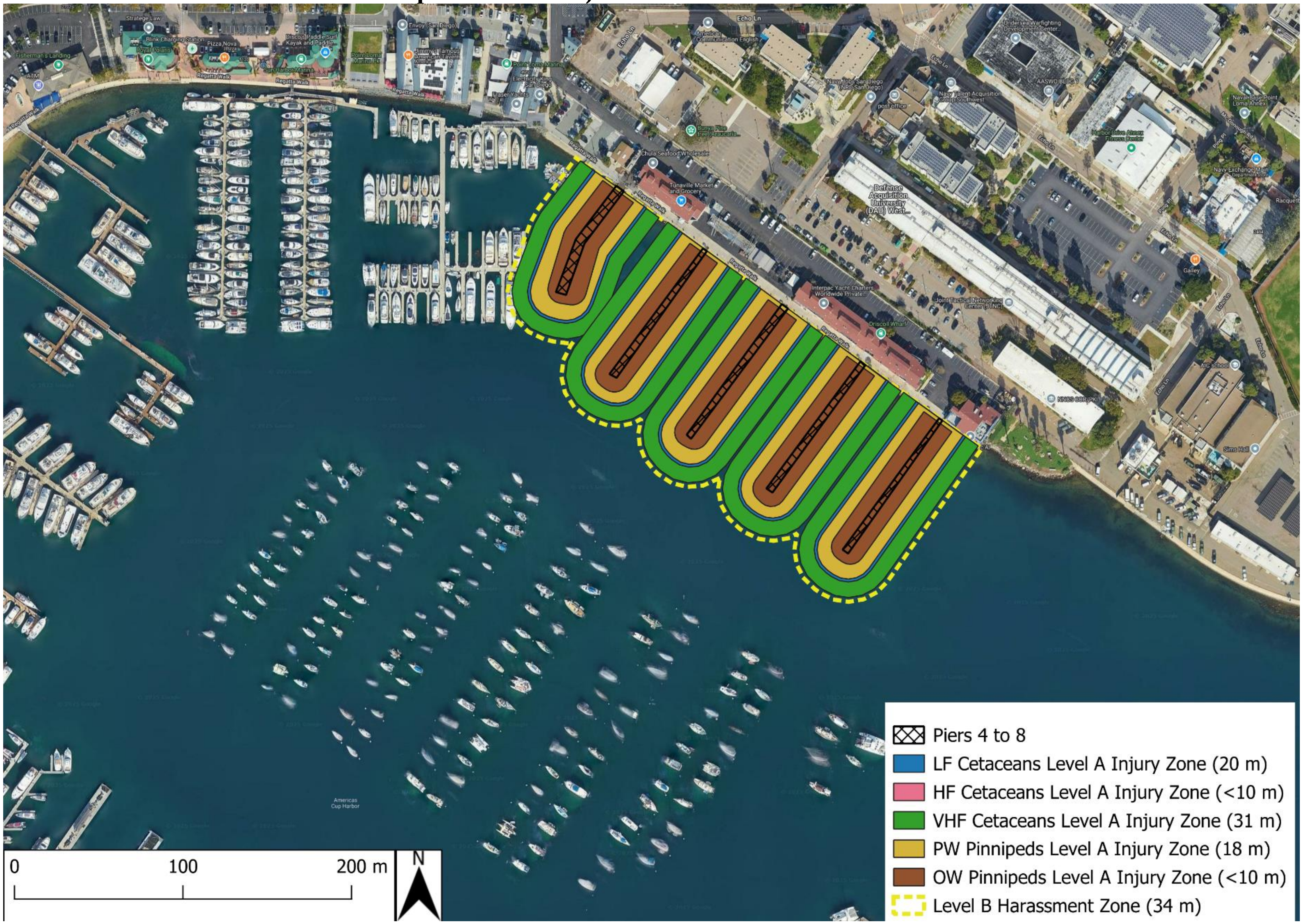


FIGURE A-6 Maximum Extent of Marine Mammal Impacts for Impact Driving of 24-inch Concrete Piles (Note: with jetting, these zones would be 40 percent smaller)

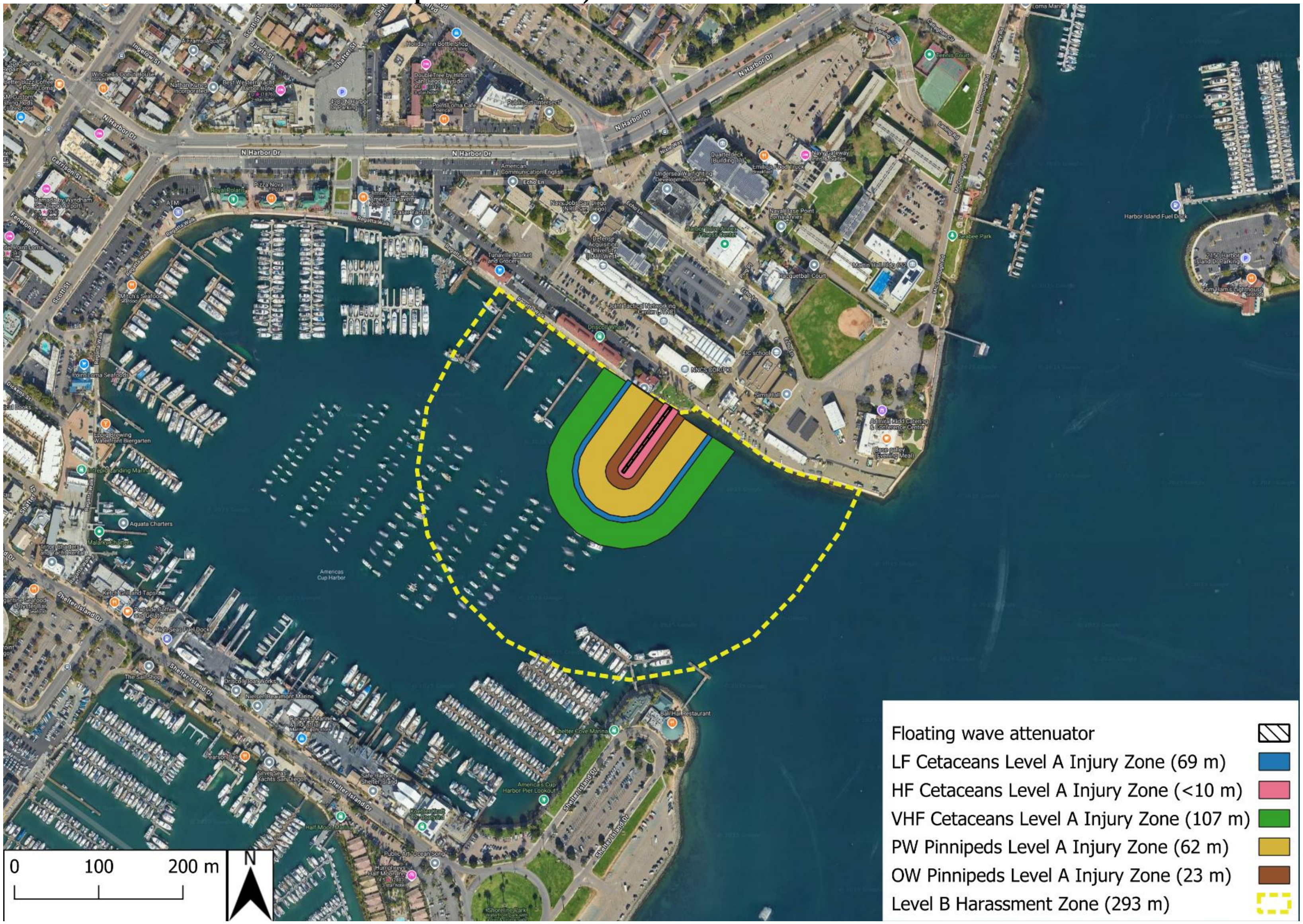
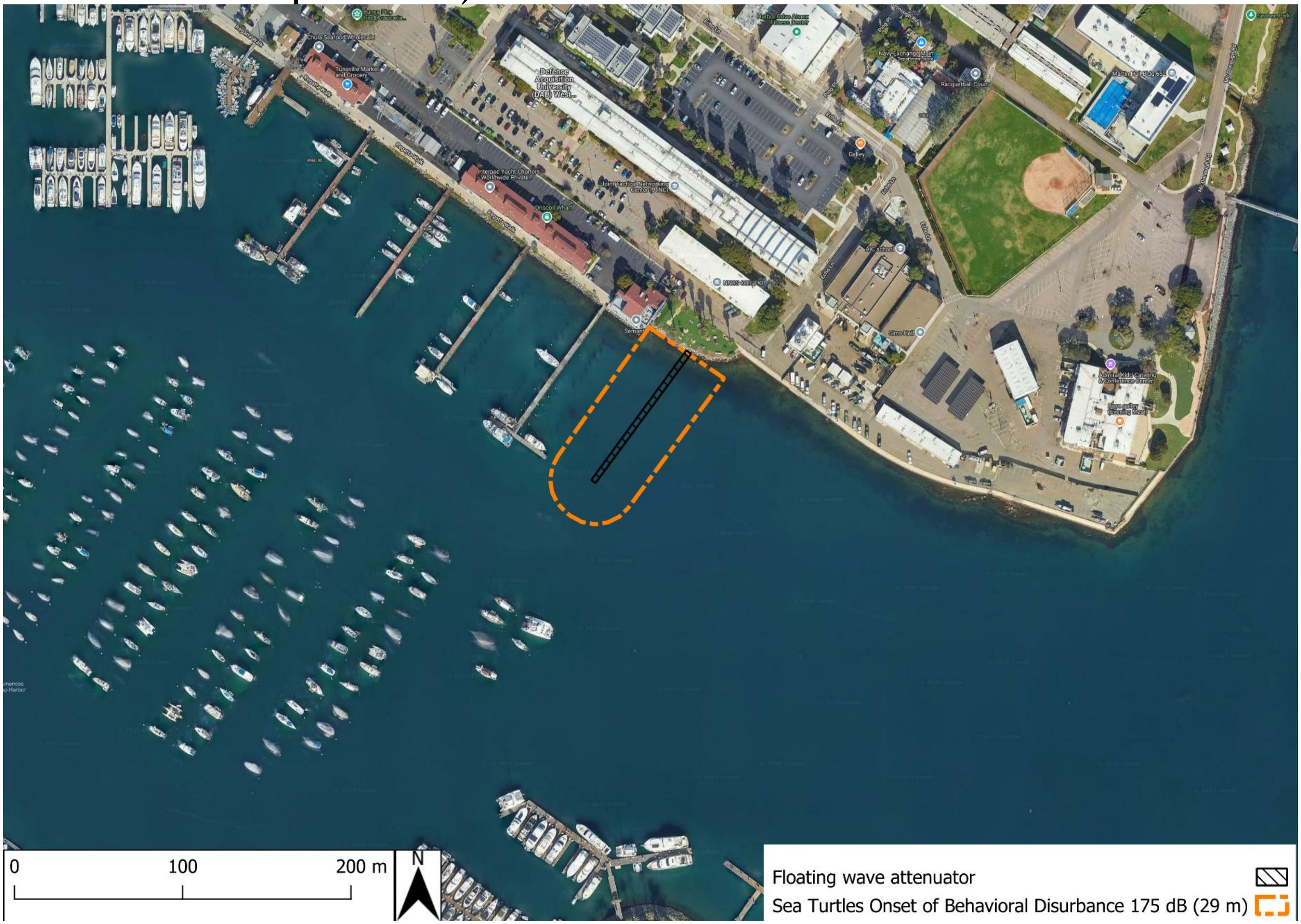


FIGURE A-7 Maximum Extent of Sea Turtle Impacts for Impact Driving of 24-inch Concrete Piles(Note: with jetting, these zones would be 40 percent smaller)



Attachment B
Screenshots from NMFS 2024 Multi-Species (v2.0) Optional Calculator Spreadsheets

Maximum Pile Driving Scenario with No Jetting

Figure B-1 Screenshot from NMFS 2024 Multi-Species Calculator for Impact Driving of 12-inch Concrete Piles

IMPACT PILE DRIVING REPORT

VERSION 2.0-Multi-Species: 2024

12-in concrete piles impacted

PRINT IN LANDSCAPE TO CAPTURE ENTIRE SCREEN

(if OTHER INFO or NOTES get cut-off, please include information elsewhere)

PROJECT INFORMATION	PEAK	SELss	RMS
Single strike level (dB)	193	160	168
Distance associated with single strike level (meters)	10	10	10
Transmission loss constant	15		
Number of piles per day	4		
Number of strikes per pile	240		
Number of strikes per day	960		
Cumulative SEL at measured distance	190		

OTHER INFO: 0

NOTES: 0

Attenuation: 0

RESULTANT ISOPLETHS

(Range to Effects)

FISHES

	ONSET OF PHYSICAL INJURY			BEHAVIOR	
	Peak Isopleth	SEL_{cum} Isopleth		RMS Isopleth	
		Fish ≥ 2 g	Fish < 2 g		
ISOPLETHS (meters)	1.4	15.4	28.5	158.5	Fishes present
Isopleth (feet)	4.5	50.6	93.5	520.0	

SEA TURTLES

	PTS ONSET		BEHAVIOR	
	Peak Isopleth	SEL_{cum} Isopleth	RMS Isopleth	
ISOPLETHS (meters)	0.0	1.1	3.4	Sea Turtles present
Isopleth (feet)	0.1	3.7	11.2	

MARINE MAMMALS

	LF Cetacean	MF Cetaceans	HF Cetaceans	PW Pinniped	OW Pinnipeds
AUD INJ ONSET (Peak isopleth, meters)	0.1	0.0	2.5	0.1	0.0
AUD INJ ONSET (Peak isopleth, feet)	0.4	0.1	8.2	0.3	0.1
AUD INJ ONSET (SEL_{cum} isopleth, meters)	28.4	3.6	43.9	25.2	9.4
AUD INJ ONSET (SEL_{cum} isopleth, feet)	93.0	11.9	144.0	82.7	30.8
	ALL MM	MF Cet. present	HF Cet. present	Phocids present	Otariids present
Behavior (RMS isopleth, meters)	34.1	LF Cet. present			
Behavior (RMS isopleth, feet)	112.0				

Figure B-2 Screenshot from NMFS 2024 Multi-Species Calculator for Impact Driving of 16-inch Concrete Piles

IMPACT PILE DRIVING REPORT

VERSION 2.0-Multi-Species: 2024

16-inch concrete piles impacted

PRINT IN LANDSCAPE TO CAPTURE ENTIRE SCREEN

(if OTHER INFO or NOTES get cut-off, please include information elsewhere)

PROJECT INFORMATION	PEAK	SELss	RMS
Single strike level (dB)	193	160	168
Distance associated with single strike level (meters)	10	10	10
Transmission loss constant	15		
Number of piles per day	6		
Number of strikes per pile	95		
Number of strikes per day	570		
Cumulative SEL at measured distance	188		

OTHER INFO: 0

NOTES: 0

Attenuation: 0

RESULTANT ISOPLETHS

(Range to Effects)

FISHES

	ONSET OF PHYSICAL INJURY: Peak Isopleth	SEL$_{cum}$ Isopleth: Fish ≥ 2 g	SEL$_{cum}$ Isopleth: Fish < 2 g	BEHAVIOR: RMS Isopleth	
ISOPLETHS (meters)	1.4	10.9	20.1	158.5	Fishes present
Isopleth (feet)	4.5	35.7	66.1	520.0	

SEA TURTLES

	PTS ONSET: Peak Isopleth	PTS ONSET: SEL$_{cum}$ Isopleth	BEHAVIOR: RMS Isopleth	
ISOPLETHS (meters)	0.0	0.8	3.4	Sea Turtles present
Isopleth (feet)	0.1	2.6	11.2	

MARINE MAMMALS

	LF Cetacean	MF Cetaceans	HF Cetaceans	PW Pinniped	OW Pinnipeds
AUD INJ ONSET (Peak isopleth, meters)	0.1	0.0	2.5	0.1	0.0
AUD INJ ONSET (Peak isopleth, feet)	0.4	0.1	8.2	0.3	0.1
AUD INJ ONSET (SEL$_{cum}$ isopleth, meters)	20.0	2.6	31.0	17.8	6.6
AUD INJ ONSET (SEL$_{cum}$ isopleth, feet)	65.7	8.4	101.7	58.4	21.8

	ALL MM
Behavior (RMS isopleth, meters)	34.1
Behavior (RMS isopleth, feet)	112.0

MF Cet. present HF Cet. present Phocids present Otariids present

LF Cet. present

Figure B-3 Screenshot from NMFS 2024 Multi-Species Calculator for Impact Driving of 24-inch Concrete Piles

IMPACT PILE DRIVING REPORT

VERSION 2.0-Multi-Species: 2024

24-inch concrete piles impacted

PRINT IN LANDSCAPE TO CAPTURE ENTIRE SCREEN

(if OTHER INFO or NOTES get cut-off, please include information elsewhere)

PROJECT INFORMATION	PEAK	SELss	RMS
Single strike level (dB)	195	168	182
Distance associated with single strike level (meters)	10	10	10
Transmission loss constant	15		
Number of piles per day	4		
Number of strikes per pile	145		
Number of strikes per day	580		
Cumulative SEL at measured distance	196		

OTHER INFO: 0

NOTES: 0

Attenuation: 0

RESULTANT ISOPLETHS

(Range to Effects)

FISHES

	ONSET OF PHYSICAL INJURY			BEHAVIOR	
	Peak Isopleth	SEL_{cum} Isopleth Fish ≥ 2 g	SEL_{cum} Isopleth Fish < 2 g	RMS Isopleth	
ISOPLETHS (meters)	1.8	37.6	69.5	1,359.4	Fishes present
Isopleth (feet)	6.1	123.5	228.2	4,459.8	

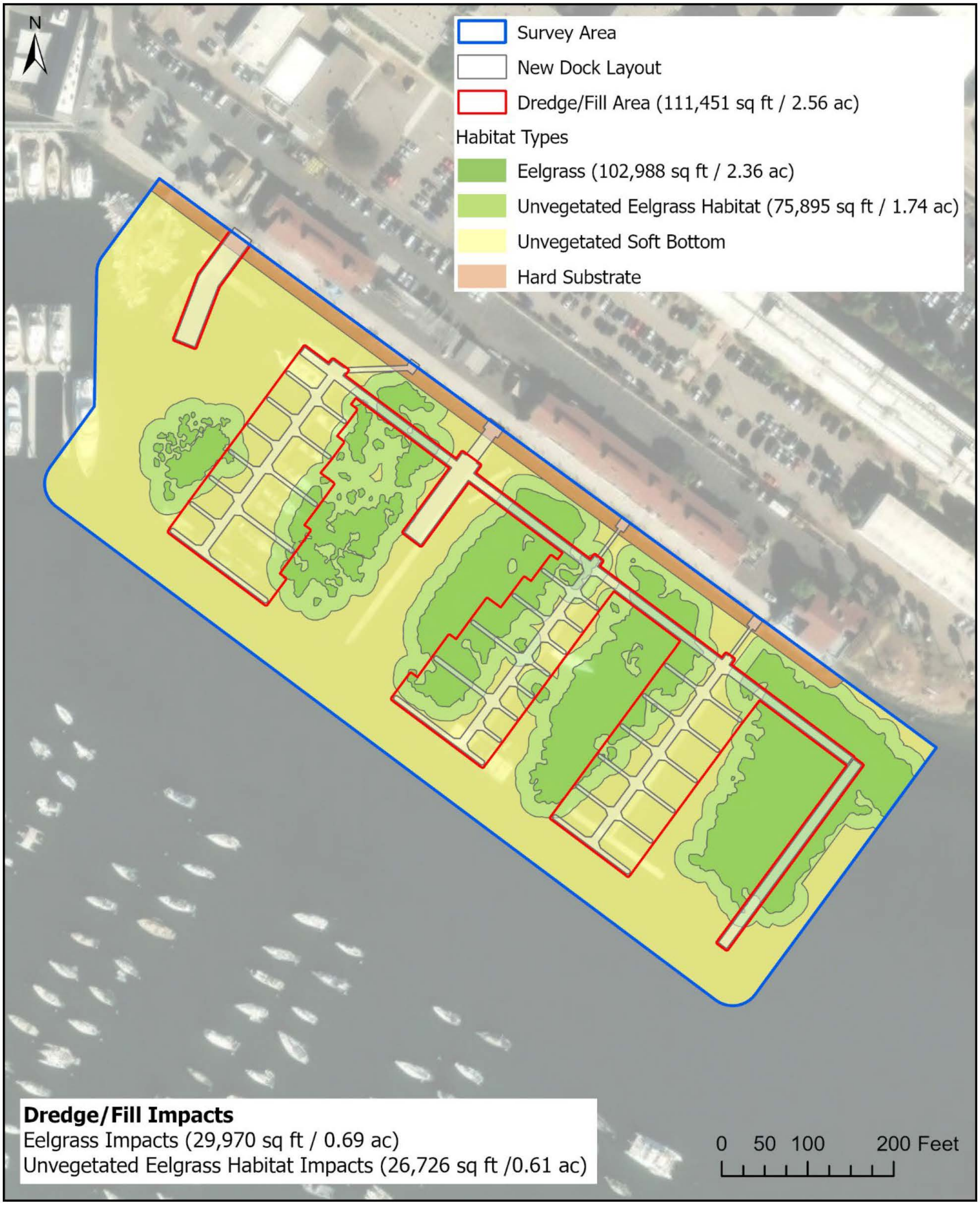
SEA TURTLES

	PTS ONSET		BEHAVIOR	
	Peak Isopleth	SEL_{cum} Isopleth	RMS Isopleth	
ISOPLETHS (meters)	0.0	2.8	29.3	Sea Turtles present
Isopleth (feet)	0.1	9.1	96.1	

MARINE MAMMALS

	LF Cetacean	MF Cetaceans	HF Cetaceans	PW Pinniped	OW Pinnipeds
AUD INJ ONSET (Peak isopleth, meters)	0.2	0.0	3.4	0.1	0.0
AUD INJ ONSET (Peak isopleth, feet)	0.5	0.2	11.2	0.4	0.2
AUD INJ ONSET (SEL_{cum} isopleth, meters)	69.2	8.8	107.1	61.5	22.9
AUD INJ ONSET (SEL_{cum} isopleth, feet)	227.0	29.0	351.3	201.7	75.2
	ALL MM	MF Cet. present	HF Cet. present	Phocids present	Otariids present
Behavior (RMS isopleth, meters)	292.9	LF Cet. present			
Behavior (RMS isopleth, feet)	960.8				

Appendix C: Potential Remediation Eelgrass Impacts Map


N
Survey Area
New Dock Layout
Dredge/Fill Area (111,451 sq ft / 2.56 ac)
Habitat Types
Eelgrass (102,988 sq ft / 2.36 ac)
Unvegetated Eelgrass Habitat (75,895 sq ft / 1.74 ac)
Unvegetated Soft Bottom
Hard Substrate
Dredge/Fill Impacts
Eelgrass Impacts (29,970 sq ft / 0.69 ac)
Unvegetated Eelgrass Habitat Impacts (26,726 sq ft /0.61 ac)
0 50 100 200 Feet

Appendix F

Hydroacoustic Assessment

SHELTER ISLAND COMMERCIAL FISHING WHARF PROJECT – SAN DIEGO

HYDROACOUSTIC ASSESSMENT

San Diego, California

August 13, 2025

Updated January 6, 2026

Prepared for:

Claudia Watts
Senior Environmental Planner
Ascent Environmental, Inc.
2550 Fifth Avenue, Suite 640
San Diego, CA 92103

Prepared by:

Adwait Ambaskar
James Reyff

ILLINGWORTH & RODKIN, INC.
Acoustics • Air Quality
429 East Cotati Avenue
Cotati, CA 94931
(707) 794-0400

I&R Job No.: 24-111

INTRODUCTION

This hydroacoustic assessment evaluates the effects of underwater sound levels on marine resources caused by construction to redevelop the Shelter Island Commercial Fishing Wharf located at 4918 North Harbor Drive in San Diego, California. Underwater sounds would be generated by pile driving activities, and demolition activities. These sounds could affect fish, sea turtles and marine mammals that may be present in the area.

PROJECT DESCRIPTION

The project site is currently used as a wharf for commercial fishing boat mooring. Driscoll's Wharf is one of two commercial fishing harbors in San Diego Bay. The project site includes both landside and waterside facilities. The landside portions of the project site include surface parking, office buildings, outdoor storage areas, and other facilities that are involved with the fishing industry. The waterside portion of the project site includes piers and docks used to moor, load and off-load commercial fishing vessels. The project is needed to address deficiencies related to the age and condition of structures, and to allow commercial fishing operations to continue within the marina. The existing structures are reaching the end of their useful life. To achieve the need and purpose of the proposed project, the following project objectives have been identified:

- Modernize the wharf and marina through improved waterside facilities capable of supporting modern commercial fishing operations.
- Demolish structurally deficient piers and replace with floating docks, gangways, and headwalks that meet current safety standards and are Americans with Disabilities Act (ADA) compliant.
- Allow for the continued operation of commercial fishing, identified as a high-priority use under the California Coastal Act.
- Provide a mix of vessel slip sizes to accommodate a range of commercial fishing vessels.
- Demolish underutilized and deteriorated buildings that are no longer needed.
- Reduce the impact of waves on the shoreline and marina, maintain safe operation of the marina, and prevent future damage from wave action.

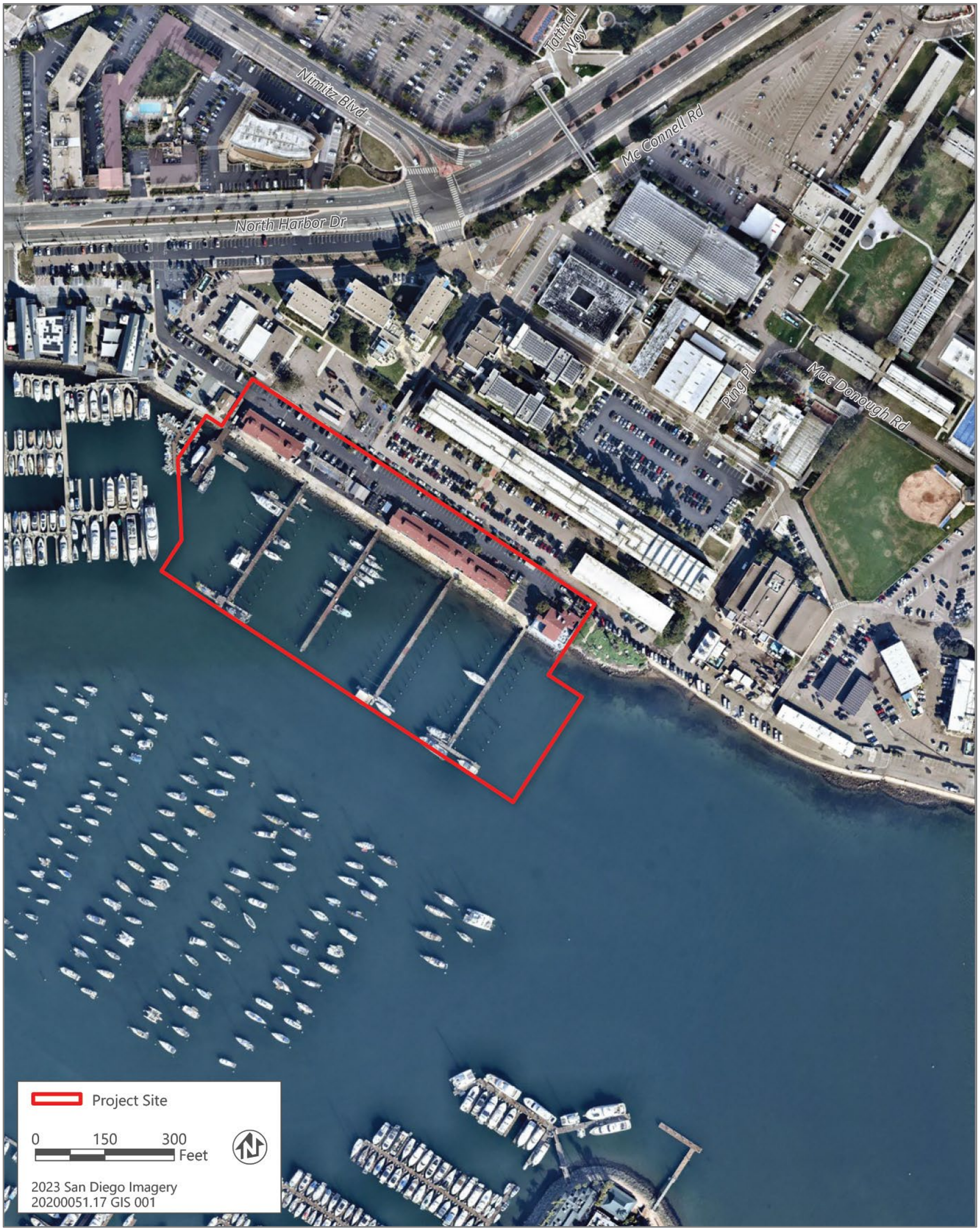
STUDY PURPOSE

This study is an assessment of potential underwater sound levels generated by planned construction activities involved with the Shelter Island Commercial Fishing Wharf Redevelopment Project. The study supports regulatory biologists in assessing underwater sound impacts on fish, marine mammals and sea turtles that may be present in the area when construction occurs. This assessment is based on information provided by project designers consisting of a location map, draft layout sheets, estimated pile-driving data, a review of potential construction activities to be conducted at the site, a review of related studies, the modeling, and a quantitative analysis of underwater noise levels. This study focuses on the sound impacts associated with potential pile-driving activities that could affect aquatic species. This study does not address environmental airborne noise impacts that affect people associated with the project.

Consultation will likely be required with agencies, including the National Marine Fisheries Service (NMFS), United States (US) Fish and Wildlife Service, and the California Coastal Commission. Figure 1 shows the regional location of the project and Figure 2 shows the project site.

FIGURE 1 Regional Location

FIGURE 2 Project Site


Nimitz Blvd
Tattnal Way
Mc Connell Rd
North Harbor Dr
Ping Pl
Mac Donough Rd
Project Site
0
150
300
Feet
2023 San Diego Imagery
20200051.17 GIS 001

UNDERWATER SOUNDS FROM PILE-DRIVING ACTIVITIES

Fundamentals of Underwater Noise

Underwater sounds can be expressed in several different physical quantities, such as acoustic energy (joules), power (watts), intensity (watts per unit area) and pressure (pascals or micro pascals). The most common method in which underwater sounds are expressed is in terms of a relative unit of decibels (dB). This is a logarithmic ratio of a physical quantity to a reference quantity. Typically, a sound pressure level is mentioned in terms of dB re 1 micro-Pascal (µPa) underwater or 20 µPa in air. The term 're' is shorthand for the term 'in reference to'.

Several sound level metrics are used to evaluate the effects of underwater sounds on marine life, such as peak sound pressure (Peak), root-mean-square (RMS) sound pressure levels, and sound exposure level (SEL). The various acoustical terms are used in this report, which are defined in Table 1.

The primary sounds of concern produced by the Project are from pile driving. Impact pile driving produces impulsive sounds. Vibratory pile installation and removal produces continuous underwater sounds that are considered non-impulsive. Any demolition that includes chipping are assumed to produce impulsive sounds.

Impact pile driving produces the most extensive sound impacts from this type of project. When a pile-driving hammer strikes a pile, a pulse is created that propagates through the pile and radiates sound into the water, the ground, and the air. Sound pressure pulse as a function of time is referred to as the waveform. In terms of acoustics, these sounds are described by the peak pressure, the root-mean-square (RMS) pressure, and the sound exposure level (SEL). The peak pressure is the highest absolute value of the measured waveform and can be a negative or positive pressure peak. For pile-driving pulses, RMS level is determined by analyzing the waveform and computing the average of the squared pressures over the time that comprises that portion of the waveform containing the sound energy (Richardson et al. 1995; ISO 18406:2017(E).). The pulse RMS has been approximated in the field for pile-driving sounds by measuring the signal with a precision sound level meter set to the "impulse" RMS setting and is typically used to assess impacts to marine mammals. Another measure of the pressure waveform that is used to describe the pulse is the sound energy itself. The total sound energy in the pulse is referred to in many ways, most commonly as the "total energy flux" (Finerran 2002). The "total energy flux" is equivalent to the un-weighted SEL for a plane wave propagating in a free field, a common unit of sound energy used in airborne acoustics to describe short-duration events. The unit used is decibels (dB) re 1 micro pascal $(\mu Pa)^2$-second (sec). In this report, peak pressure levels are expressed as the absolute maximum pressure of a pulse in dB re 1 µPa; however, in other literature, peak pressure levels can take varying forms, such as pascals or pounds per square inch. The total sound energy in an acoustical impulse accumulates over the duration of that pulse and the duration of a pile driving event. Figure 3 illustrates the acoustical characteristics of an underwater pile-driving pulse. Table 1 includes definitions of terms commonly used to describe underwater sounds.

TABLE 1 Definition of Underwater Acoustical Terms

Term	Definition
Peak Sound Pressure (Peak), unweighted (dB), dB re 1 μPa	Peak sound pressure level based on the largest absolute value of the instantaneous sound pressure. This pressure is expressed in this report as a dB (referenced to a pressure of 1 μPa) but can also be expressed in units of pressure, such as μPa or pounds per square inch.
RMS Sound Pressure Level (RMScont) , dB re 1 μPa	For this application, the squared root of the average of the squared pressures over one second. This measure is typically used to assess acoustical impacts on marine mammals from non-impulsive sounds.
RMS Sound Pressure Level, (NMFS Criterion), dB re 1 μPa	The squared root of the average of the squared pressures over the time that comprises that portion of the waveform containing 90 percent of the sound energy for one pile-driving impulse.[1] This measure is typically used to assess acoustical impacts on marine mammals from impulsive sounds.
Pulse SEL (SELpulse), dB re 1 μPa^2-sec	Proportionally equivalent to the time integral of the squared pressure and is described in this report in terms of dB re 1 μPa^2-sec over the duration of the impulse. Similar to the unweighted SEL standardized in airborne acoustics to study noise from single events. Terms commonly used are SELpulse = SEL per pulse or impulse, SELss = SEL per single pile strike.
Cumulative SEL (cSEL)	A measure of the total energy received through a pile-driving event that has many pile strikes (here defined as pile driving that occurs within a day).
Ambient Sound Level	The background sound pressure level at a given location, normally specified as a reference level to study a new intrusive sound source.
Transmission Loss (TL)	Transmission Loss (TL) is the decrease in a sound metric as an acoustic pressure wave propagates away from a source.
Waveforms, μPa over time	A graphical plot illustrating the time history of positive and negative sound pressures of individual pile strikes shown as a plot of μPa over time (i.e., seconds).
Frequency Spectra, dB over frequency range	A graphical plot illustrating the distribution of sound pressure vs. frequency for a waveform; dimension in RMS pressure and defined frequency bandwidth.
Weighted Sound Level, dBx	The sound pressure level, or SPL, in decibels as measured using a filter network that applies adjustments to specific frequencies. For example, the A-weighting filter de-emphasizes the very low and very high frequency components of the sound in a manner similar to the frequency response of the human ear and correlates well with subjective reactions to noise. A-weighted sound levels are expressed in decibels as dBA.
Impulsive and non-impulsive sounds	NMFS groups sounds into two categories: Impulsive or Non-Impulsive. NMFS considers sounds such as impact pile driving, blasting, and seismic surveys as impulsive. Other sounds such as drilling and vibratory driving are considered non-impulsive*.

*NMFS = National Marine Fisheries Services

[1] The underwater sound measurement results have indicated that most pile-driving impulses occurred over a 50- to 100-msec period. Most of the energy was contained in the first 30 to 50 msec. Analysis of that underwater acoustic data for various pile strikes at various distances demonstrated that the acoustic signal measured using the standard “impulse exponential-time-weighting” (35-msec rise time) correlated to the RMS (impulse) level.
Notes: msec = millisecond(s)

The variation of instantaneous pressure over the duration of an impulsive sound event is referred to as the waveform. The waveform can provide an indication of rise time or the rapidity with which pressure fluctuates with time; however, rise time differences are not clearly apparent for pile-driving sounds because of the numerous rapid fluctuations that are characteristic of this impulse type. A plot showing the accumulation of sound energy over the duration of the pulse (or at least the portion of time during which much of the energy accumulates) illustrates the differences in source strength and rise time. An example of the underwater acoustical characteristics of a typical pile-driving pulse is shown on Figure 3.

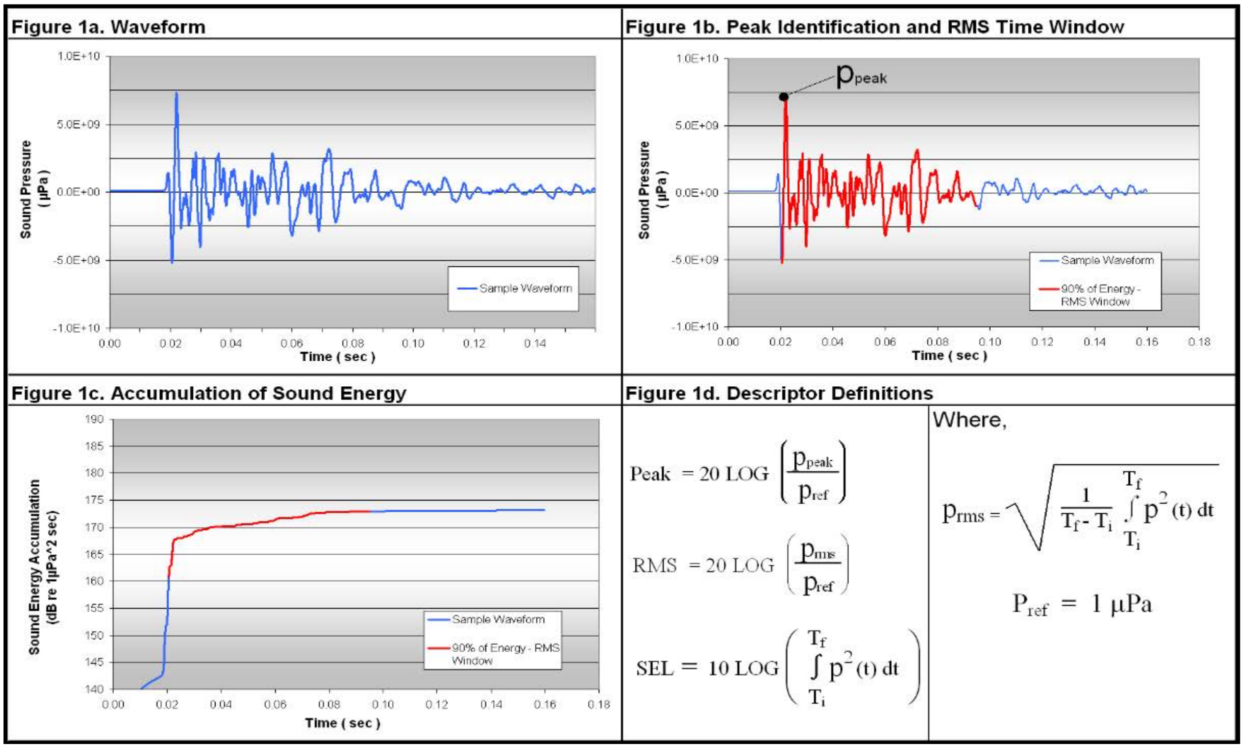
SEL is the acoustic metric that provides an indication of the amount of acoustical energy contained in a sound event. For pile driving, the typical event can be one pile-driving pulse or many pulses, such as pile driving for one pile or for one day of pile driving. Typically, SEL is measured for a single strike and a cumulative condition. The cumulative SEL associated with the driving of a pile can be estimated using the single-strike SEL value and the number of pile strikes through the following equation:

$$SEL_{cumulative} = SEL_{single-strike} + 10log(\#of\ pile\ strikes)$$

For example, if a single-strike SEL for a pile is 165 dB, and it takes 1,000 strikes to drive the pile, the cumulative SEL is 195 dB (165 dB + 30 dB = 195 dB), where 10 * Log_{10}(1000) = 30.

Transmission Loss (TL) is the decrease in a sound metric as an acoustic pressure wave propagates away from a source. The reduction in sound levels as they propagate out from a source may result from a combination of geometric spreading, energy loss to the medium through which the sound propagates, and complex interaction with non-uniformities in the medium transmitting or reflecting the propagating sound. The simplest form of calculating TL for pile driving sources is based on a 15 dB decrease per each 10-fold increase in distance from the source. Point sources are typically on the order of a 20 dB decrease per each 10-fold increase in distance from the source. However, some forms of TL computations include frequency dependent effects. The transmission of sound in shallow waters with complex sound source radiation is intricate.

FIGURE 3 Underwater Acoustical Characteristics of a Pile-Driving Pulse



Underwater Sound Thresholds

<u>Marine Mammals</u>

Under the Marine Mammal Protection Act (16 U.S.C. 1361-1407), NMFS has defined levels of harassment for marine mammals. Level A harassment is defined as "Any act of pursuit, torment, or annoyance which has the potential to injure a marine mammal or marine mammal stock in the wild." Level B harassment is defined as "Any act of pursuit, torment, or annoyance which has the potential to disturb a marine mammal or marine mammal stock in the wild by causing disruption of behavioral patterns, including but not limited to migration, breathing, nursing, breeding, feeding or sheltering."

Sounds in water and air can cause both Level A and B harassment. Impact pile driving produces impulsive sounds that correspond to those that are typically transient, brief (typically less than 1 second), broadband and consist of high peak sound pressure with rapid rise time and decay. Vibratory pile installation or removal is considered non-impulsive or continuous sounds as those that could be broadband, narrowband or tonal, brief or prolonged, continuous or intermittent and usually do not have a high peak sound pressure with rapid rise and decay times (NMFS 2018). NMFS uses behavior thresholds rather than TTS thresholds for assessing Level B harassment for pile driving (NMFS 2023).

Table 2 outlines the latest adopted Level A and Level B (behavioral harassment) criteria. NMFS has provided marine mammal acoustic technical guidance for predicting the onset of permanent threshold shift (PTS) and temporary threshold shifts in marine mammal hearing from sound sources (NMFS 2018). NMFS recently updated the 2018 technical guidance (NMFS 2024). PTS is now referred to as Auditory Injury (AUD INJ) in the new 2024 guidance. Table 2 defines the different marine mammal hearing groups based on their hearing range, adopted by NMFS.

The onset of PTS or AUD INJ is considered by NMFS to be Level A harassment. For impact pile driving, the majority of the acoustic energy is confined to frequencies below 2 kilohertz (kHz), and there is very little energy above 20 kHz. Similarly, much of the acoustic energy for vibratory driving is in the frequency range below 2.5 kHz. The underwater acoustic criteria for cetaceans and phocid and otariid pinnipeds are provided in Table 2. Table 3 lists the functional hearing groups and their hearing ranges as defined by the most recent NMFS guidance (NMFS 2024).

For continuous sounds, NMFS Northwest Region has provided guidance for reporting RMS sound pressure levels (NMFS 2012). RMS levels for non-impulsive sounds are based on continuous RMS measurements with a time-constant of 1 or 10 seconds that are averaged across the entire event. For impulsive sounds, such as impact pile driving, the pulse RMS level is characterized by integrating sound for each acoustic pulse across 90 percent of the acoustic energy in each pulse and taking the median RMS value of all pulses.

The application of the 120-dB RMS threshold for Level B harassment is used to address vibratory pile driving (or pile removal). This level can sometimes be problematic because this threshold level can be either at or below the ambient noise level of certain locations. The project is adjacent to a busy portion of San Diego Bay where most vessels transiting the bay pass by. These include naval, commercial and private watercraft. The U.S. Navy has conducted ambient underwater sound measurements in the area (North San Diego Bay) that characterize the ambient sound environment at 129.2 dB[2] (NAVFAC, 2020). This ambient level is used as a threshold for behavioral impacts (i.e., Level B harassment).

TABLE 2 Underwater Acoustic Criteria for Marine Mammals

	Underwater Noise Thresholds (dB re: 1µPa)				
Species	**Non-Impulsive Disturbance Threshold (*Level B Harassment*)**	**Impulsive Disturbance Threshold (*Level B Harassment*)**	**Marine Mammal Hearing Group (see Table 4)**	**AUD INJ SEL_{cum} Threshold Peak – dB re: 1µPa SEL_{cum} – dB re: 1µPa^2-sec**	
				Impulsive (*Impact Pile Driving*)	**Non-Impulsive (*Vibratory Pile Driving*)**
Cetaceans	129.2 dB RMS*	160 dB RMS	Low Frequency	222 dB Peak 183 dB SEL_{cum}	197 dB SEL_{cum}
			High Frequency	230 dB Peak 193 dB SEL_{cum}	201 dB SEL_{cum}

[2] Data from measurement periods in December 2014, December 2015, and April 5, 2016 (Table 49 of the report), which excluded locally influenced sound measurements at active areas, the average median (or L50) SPL over both years was 129.2 dB RMS.

Species	Underwater Noise Thresholds (dB re: 1µPa)				
	Non-Impulsive Disturbance Threshold (***Level B Harassment***)	**Impulsive Disturbance Threshold** (***Level B Harassment***)	**Marine Mammal Hearing Group** (**see Table 4**)	**AUD INJ SEL_{cum} Threshold** **Peak – dB re: 1µPa** **SEL_{cum} – dB re: 1µPa^2-sec**	
				Impulsive (***Impact Pile Driving***)	**Non-Impulsive** (***Vibratory Pile Driving***)
			Very High Frequency	202 dB Peak 159 dB SEL_{cum}	181 dB SEL_{cum}
Pinnipeds	129.2 dB RMS*	160 dB RMS	Phocid	223 dB Peak 183 dB SEL_{cum}	195 dB SEL_{cum}
			Otariid	230 dB Peak 185 dB SEL_{cum}	199 dB SEL_{cum}

*Threshold is 120 dB or ambient level, whichever is highest. Ambient levels were measured by the U.S. Navy at 129.2 dB in the Project area.

TABLE 3 Definition of Marine Mammal Hearing Groups

Functional Hearing Group	Generalized Hearing Range*
Low-frequency (LF) Cetaceans –baleen whales	7 Hz to 36 kHz
High-frequency (HF) Cetaceans – dolphins, toothed whales, beaked whales, bottlenose whales	150 Hz to 160 kHz
Very high-frequency (VHF) Cetaceans – true porpoises, *kogia*, river dolphins, *Cephalorhynchus*, *Lagenorhynchus cruciger* & *L. australis*	200 Hz to 165 kHz
Phocid Pinnipeds (PW) – true seals, including harbor seals	40 Hz to 90 kHz
Otariid Pinnipeds (OW) – sea lions and fur seals	60 Hz to 68 kHz

***** Represents the generalized hearing range for the entire group as a composite (i.e., all species within the group), where individual species' hearing ranges may not be as broad. Generalized hearing range chosen based on ~65 dB threshold from composite audiogram, previous analysis in NMFS 2018, and/or data from Southall et al. 2007; Southall et al. 2019. Additionally, animals are able to detect very loud sounds above and below that "generalized" hearing range. [*Source: NMFS 2024];* Note: Hz = hertz

Fish

In 2008, NOAA's NMFS; U.S. Fish and Wildlife Service; California, Oregon, and Washington Departments of Transportation; California Department of Fish and Game; and the U.S. Federal Highway Administration agreed in principle to interim criteria to protect fish from pile-driving activities. The agreed-upon criteria are presented in Table 4. These criteria have applied to fish protected under the Endangered Species Act (ESA 16 U.S.C. 1531-1544) or other fish protected under State laws.

TABLE 4 Adopted Fish Criteria (2008)

Interim Criteria for Injury	Sound Levels Agreed-upon in Principle
Peak	206 dB re 1 µPa (for all sizes of fish)
Cumulative SEL	187 dB re 1 µPa^2-sec – for fish size of 2 grams or greater[a] 183 dB re 1 µPa^2-sec – for fish size of less than 2 grams[a]

[a] Applies to pile strikes of 150 dB SEL (single strike) or greater.

The adopted criteria listed in Table 4 are for pulse-type sounds (e.g., impact pile driving) and do not address sound from vibratory driving. The SEL criteria are not applied to vibratory driving sounds for assessing impacts to fish. The in-water areas with project sound levels above 150 dB RMS are considered by NMFS to be acoustically affected, given possible behavioral changes in fish; however, these levels are not anticipated to trigger any mitigation requirements (Caltrans 2020). There are no thresholds for non-impulsive sounds (e.g., vibratory pile driving) that apply to fishes.

Substantial research has occurred since the establishment of the “2008 interim injury criteria.” This research was synthesized in the 2024 guidance published by Caltrans (2024). This guidance document reports that the 2008 Interim Criteria are excessively conservative and do not reflect current knowledge of the sound levels at which there may be an onset of effects from impact pile driving. The guidance also identifies ANSI-accredited thresholds developed by Popper et al. (2014 and 2019), as the primary injury criteria that should be used for assessing impact pile driving impacts to fish. Furthermore, this recent Caltrans guidance also acknowledges the “2008 interim injury criteria.”

The 2024 Caltrans guidance indicates that the onset of recoverable injury occurs at a peak sound level of 207 dB and a cumulative SEL of 203 dB. Note that Popper et.al., found that temporary threshold shift (TTS) from elevated underwater sound level occur at or above 186 dB cumulative SEL. This is defined as a recoverable effect. The 2024 Caltrans guidance recommends that the 2008 Interim Criteria for injurious sound levels be replaced with these criteria on an interim basis for all impact pile driving projects in California until such time that additional research indicates that further revisions are necessary.

This assessment incorporates results from the 2008 Interim Injury Criteria along with the 2024 Caltrans guidance, ensuring a comprehensive analysis for impacts to fish.

<u>Green Sea Turtles</u>

Green sea turtles are listed as threatened and protected under the Endangered Species Act (16 U.S.C. 1531-1544). NMFS and the U.S. Fish and Wildlife Service oversee the protection of these turtles. Onset of AUD INJ, TTS thresholds and Behavioral Disturbance are recommended for sea turtles. Table 5 shows the NMFS acoustic thresholds for Sea Turtles (NMFS, 2025a).

Table 5 Underwater Acoustic Thresholds for Sea Turtles

Hearing Group	PTS Onset Thresholds[1] for Impulsive Sources	PTS Onset Thresholds[1] for Non-Impulsive Sources	TTS Onset Thresholds[1] for Impulsive Sources	TTS Onset Thresholds[1] for Non-Impulsive Sources	Onset of Behavioral Disturbance[1] for all sources
Sea Turtles	230 dB Peak 184 dB SEL_{cum}	198 dB SEL_{cum}	224 dB Peak 169 dB SEL_{cum}	178 dB SEL_{cum}	175 dB RMS

1 Peak, RMS – dB re 1 µPa, SEL_{cum} – dB re 1 μPa^2-sec

PROJECT UNDERWATER SOUND-GENERATING ACTIVITIES

The primary type of activity that has the potential to elevate underwater sound levels is the installation of piles using an impact pile driver. This activity could both harass and possibly cause injury to marine mammals, fish and sea turtles. Vibratory pile installation or removal could harass marine mammals if they are present, but to a lesser extent than impact pile driving. Other sounds include those from demolition. For this project, piles are expected to be installed using impact installation. Construction activities that could generate underwater sound are summarized below.

- Pier 4. The proposed improvements entail the replacement of the existing timber pier with a concrete fixed deck pier supported by concrete piles and protected by a fender system. The proposed concrete fixed pier would provide similar functions to the existing structure, which include continuous operations and with nighttime lighting, a jib crane for lifting the ship's catch, gear, equipment, nets, and traps from the berthed ship to the pier deck, and allowance for truck and forklift access over the fixed pier. The proposed pier would be an L-shaped structure with an area of approximately 3,670 square feet (sf). For concrete support piles requiring deeper penetration (i.e., concrete support piles at Pier 4), an impact hammer would be used. Similar to the guide piles (see Piers 5 through 8, below), the number of concrete support piles to be installed per day/week would vary based on the difficulty of the installation process in a given area and the designated number of concrete support piles to be replaced. The number of concrete support piles installed would be 4 piles per day, and 15 to 20 piles per week (assuming 5-day work weeks). For the concrete support piles (12- and 16-inch square piles), the number of pile strikes is estimated to be 120 blows per pile. In the event that jetting is not possible, these may take 240 blows per pile.

- Piers 5 through 8. The project includes the replacement of Piers 5, 6, 7, and 8 with a set of new floating docks, totaling approximately 28,000 sf. The proposed piers would consist of three finger docks, a floating work platform, associated head walks, three pedestrian gangways, one loading ramp, four concrete abutment platform and security gate structures at the shoreline. New concrete piles would be installed to support the new dock configuration. The guide piles (for Piers 5, 6, 7, and 8) would be jetted to 5 feet from tip elevation and then driven by impact hammer to the final depth. The number of guide piles to be installed per day/week would vary based on the difficulty of the installation process in a given area and the designated number of piles to be replaced. Generally, the number of guide piles to be installed per day would be approximately 6 guide piles per day, and 30 per week (assuming 5-day work weeks). For the guide piles, the number of pile strikes is estimated to be 65 blows per pile. In the event that jetting is not possible, these may take 95 blows per pile.

- Floating Wave Attenuator. The 270-foot in length wave attenuator would consist of a concrete deck supported by 24-inch octagonal vertical precast concrete piles. The wave attenuator is proposed to address existing damage and prevent future damage from wave action and to maintain safe operation of the marina. Floating Wave Attenuator piles are guide piles and would be jetted to 5 ft from tip and then impact driven. These are larger and longer piles so may take more blows and fewer per day than Pier 5 to 8 guide piles. This analysis assumes approximately 4 piles per day with

85 blows per pile. In the event that jetting is not possible, these may take 145 blows per pile.

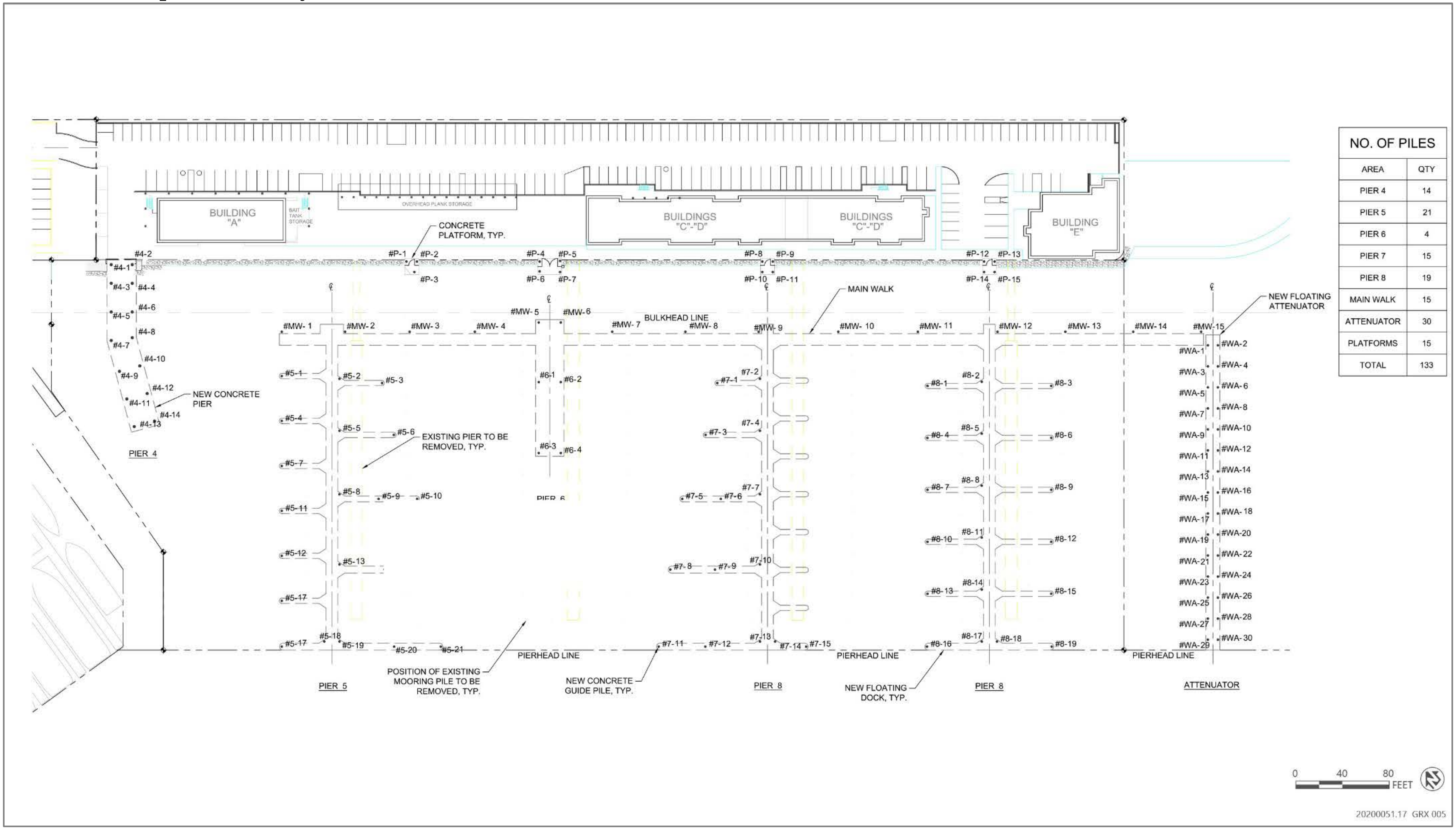
Figure 4 shows the proposed pile layout for the project. Table 6 summarizes the activities that would cause elevated underwater sound levels. Pile driving in the water causes sound energy to radiate directly into the water by vibrating the pile between the surface of the water and the substrate, and indirectly as a result of ground-borne vibration in the substrate. Airborne sound does not make a substantial contribution to underwater sound levels because of the attenuation of sound at the air/water interface.

TABLE 6 Sound Generating Activities for the Proposed Project Using An Impact Hammer Only and No Jetting

Structure	Component Structure	Pile Type	Pile Location	Maximum Strikes per Pile*	Piles per Day	Total Number of Piles
Pier 4	Concrete pier (e.g., concrete pier deck, support piles, floating camels, and fender system)	16-inch square concrete	In Water	240	4	14
		12-inch square concrete	In Water	240	4	16
Pier 5	Guide piles (Concrete)	16-inch round	In Water	95	6	21
	Concrete Platform Piles	12-inch square	In Water	240	4	3
Pier 6	Guide piles (Concrete)	16-inch round	In Water	95	6	4
	Concrete Platform Piles	12-inch square	In Water	240	4	4
Pier 7	Guide piles (Concrete)	16-inch round	In Water	95	6	15
	Concrete Platform Piles	12-inch square	In Water	240	4	4
Pier 8	Guide piles (Concrete)	16-inch round	In Water	95	6	19
	Concrete Platform Piles	12-inch square	In Water	240	4	4
Main Walk	Guide piles (Concrete)	16-inch round	In Water	95	6	15
Floating Wave Attenuator		24-inch square concrete	In Water	145	4	30

*The estimate for the maximum strikes per pile assume that piles would not be jetted in order to present a worst-case scenario in the event jetting is not permitted.

FIGURE 4 Proposed Pile Layout



NO. OF PILES

AREA	QTY
PIER 4	14
PIER 5	21
PIER 6	4
PIER 7	15
PIER 8	19
MAIN WALK	15
ATTENUATOR	30
PLATFORMS	15
TOTAL	133

Predicted Underwater Sound Levels from Construction

This assessment predicts underwater sound levels associated with the different in-water construction activities that are anticipated. Construction activities include the impact pile driving of concrete piles. The pulling of concrete or other piles and jetting is not anticipated to generate substantial underwater sound that would be harmful (i.e., sound that would cause injury or some form of harassment).

The prediction of sound levels from pile-driving and other construction activities proposed for this project relies on sound-source data, transmission loss (i.e., reduction of sound with increased distance from source), the type of activity, and the amount of activity. Sound data is based on measured sound levels for similar activities. Table 7 below shows the studies used to aid in predicting underwater sound levels.

The distance to each threshold was computed using the transmission loss coefficient of 15 times the Log_{10} of the distance, as recommended by NMFS when there is no site-specific information for the area.

<u>Underwater Sound Levels from Project Construction Activities</u>

The values in Table 7 are for sound levels measured at 10 meters (m) or 33 feet (ft) from the piles or other construction activities for conditions similar to those that would occur at this project. Detailed information on the measurements that make up these levels below are provided in the references and described below.

TABLE 7 Measured Levels for Activities Generating Underwater Sound Impacts

Driving Method	Pile Type	Size	Sound Pressure Level in dB at 10 m			TL[1]	Notes
			Peak	RMS	SELss		
Impact	Concrete pile in water	12-inch	193	168	160	15	16-in concrete piles driven at Westside Boat Launch Bodega Bay, CA (Caltrans, 2020) [2]
Impact	Concrete pile in water	16-inch					
Impact	Concrete pile in water	24-inch	195	182	168	15	Average of measurements that were conducted for 6 piles on 3 separate days at USCG Homeport LA/LB base in Long Beach

[1] Coefficient of the transmission loss, expressed as a Log_{10} function of the increasing distance from the source.
[2] Insufficient data for 12-inch piles. The data for 16-inch piles is used conservatively as a source level for both 12- and 16-inch piles.

Three types of concrete piles will be driven. These include 12-inch and 24-inch square concrete piles, along with 16-inch round concrete piles. These would be installed by impact hammer. The 12-inch piles would be impact driven. The 16-inch guide piles that would secure the floating docks are planned to be jetted to 5 feet from tip elevation and then impact driven. Piles for the ‘Floating Wave Attenuator’ will be 24-inch concrete piles that are also planned to be jetted to 5 feet from tip elevation and then impact driven.

The pile driving methods above are described as impact and jetting. Impact driving would generate levels much louder than jetting. Therefore, source levels are based on measurements of impact pile driving sounds made at 10 meters (m) from a similar sized pile.

Caltrans (2020) have published results of sound levels measured for various projects. These levels are also summarized in the NMFS Multi-Species Pile Driving Calculator. Due to a lack of data collected for 12-inch concrete piles, levels measured for the 16-inch concrete piles are used to conservatively assess impacts from both the 12-inch and 16-inch concrete piles. The Westside Boat Launch project at Bodega Bay, California was used as a representative project from the Compendium for source sound levels from impact driving of 16-inch concrete piles.

Underwater sound measurements were recently measured for the impact driving of 24-inch diameter octagonal concrete piles at the United States Coast Guard (USCG) Homeport LA/LB base in Long Beach during wharf construction (Illingworth & Rodkin Inc., 2023). These levels were louder than those reported by Caltrans and the US Navy and are representative of the area. Although source levels were louder than other similar size concrete piles measured and reported by Caltrans (2020), the TL measured for this project was equivalent to a 22 dB decrease in sound per 10-fold increase in distance from the source. This indicates a much greater decrease in sound level than modeling using a Practical Spreading Loss Model recommended by NMFS (2023). Caltrans (2020) data indicates that levels are about 10 to 15 dB lower. The louder sound levels measured for the USCG project were used in this assessment and are likely an overestimate given the range of other sound levels that are considerably lower. Measured levels are peak pressures of 195 dB, RMS pulsed levels of 182 dB and SEL per strike of 168 dB at 10 m.

Weighting Frequency Adjustments

NMFS guidance (2018, 2024) defines frequency dependent marine mammal auditory weighting factor adjustments (WFAs) that reflect hearing or susceptibility to underwater sound-induced hearing loss. The default WFA for impact pile driving is based on a single 1/3rd-octave band frequency adjustment at 2 kHz. For vibratory driving and dredging, the adjustment is at 2.5 kHz. This adjustment is the default setting in the NMFS Users Spreadsheet Tool that is applied to all impact pile driving sounds, regardless of pile type or attenuations effects.

Table 8 provides the WFAs used for modeling sound impacts to marine mammals for each underwater sound producing activity.

TABLE 8 WFAs for Project Construction Activities

Activity	Cetaceans[1]			Pinnipeds[1]	
	LF	HF	VHF	Phocid	Otariid
Impact Piles - Concrete (2kHz) [2]	-0.03	-3.45	-21.19	-0.80	-5.23

[1] See Table 3 for definitions for hearing groups.
[2] Based on NMFS suggested default value for broadband sources.

Acoustic Modeling Inputs

Sound impacts were predicted using the 2025 Multi-Species Pile Driving Calculator (Version 2.1 [2025b]) for the different aquatic species. Sound levels reported above for the various activities are used as an input for this model, along with the parameters that describe each activity in terms of duration and frequency content (i.e., WFAs). Duration is described in terms of time for non-impulsive sounds and by the number of pules (e.g., pile strikes) for impulsive sounds. Inputs are based on activity descriptions presented in Tables 6 through 8.

Predicted Underwater Impact Zones

Predicted Impacts on Fishes

Table 9 shows the anticipated distances (in m and in feet[ft]) to the various adopted 2008 interim fish thresholds (NMFS, 2022). Distances are also shown for the 203 dB cumulative SEL threshold recommended by the Caltrans 2024 guidance. Distances are shown for both unattenuated and attenuated piles (5-dB attenuation). The cumulative SEL was computed by adding 10 times the Log_{10} of the number of impact pile strikes to the 10-meter (33-foot) SEL source level provided in Table 7. Impact strikes used in these computations are the sum of the anticipated strikes per pile times the number of piles per day. NMFS applies an “effective quiet” level to the assessment of SEL_{cum} for fish. Piles strikes with SEL less than 150 dB do not accumulate to cause injury. This concept does not apply to computations of impacts to marine mammals nor turtles.

TABLE 9 Distance to Adopted Fish Thresholds for Construction Activities

Method	Pile Type	Size	Piles per Day	Max. No. of Strikes per Pile[a]	Condition	Distance to Adopted Fish Thresholds (m [ft])				
						Peak 206 dB	RMS 150 dB	Cumulative SEL		
								203 dB	187 dB	183 dB
Impact	Concrete pile in water	12-inch	4	240	Unattenuated No Jetting[a]	--[b]	159 m *[520 ft]*	--[b]	15 m [*51 ft*]	29 m [*94 ft*]
					Unattenuated with Jetting	--[b]	159 m *[520 ft]*	--[b]	10 m [*32 ft*]	18 m [*59 ft*]
		16-inch	6	95	Unattenuated No Jetting[a]	--[b]	159 m *[520 ft]*	--[b]	11 m *[36 ft]*	20 m *[66 ft]*
					Unattenuated with Jetting	--[b]	159 m *[520 ft]*	--[b]	9 m [*28 ft*]	16 m [*51 ft*]
		24-inch	4	145	Unattenuated No Jetting[a]	--[b]	1,359 m *[4,460 ft]*	--[b]	38 m *[124 ft]*	70 m *[228 ft]*
					Unattenuated with Jetting	--[b]	1,359 m *[4,460 ft]*	--[b]	26 m [*87 ft*]	49 m [*160 ft*]

[a]Assumes a worst-case scenario where only an impact hammer is used and no jetting is permitted. If jetting is performed, substantially fewer piles strikes would be needed. This would reduce the impact zones for fish that are based on Cumulative SEL values.
[b] Within the near-field of the sound source - < 10 m [33 ft]
Note : Refer to Attachment A for illustration of fish impact distances
Refer to Attachment B for screenshots of NMFS calculator tool used for the impact distances

Predicted Impacts on Marine Mammals

The following threshold distances were computed to assess impacts on marine mammals:

- Distance to onset AUD INJ for each hearing group (considered Level A impacts)
- Distance for unweighted continuous (vibratory) and impulsive (impact driving) behavior isopleth (considered Level B impacts)

The 2025 Multi-Species Pile Driving Calculator (Version 2.1 [2025b])[3] was used to predict zones where the onset of AUD INJ to marine mammal hearing could occur. A spreading loss calculation is included in the spreadsheet to predict the distance to the onset AUD INJ from accumulated SEL and peak sound pressure. The spreadsheet incorporates a frequency weighting function that accounts for sensitivity for different hearing groups when computing the accumulated SEL. These are referred to as weighting frequency adjustments. The default weighting frequency adjustments are 2 kHz for impact pile driving and 2.5 kHz for vibratory driving. Because the onset of AUD INJ based on cumulative SEL is computed as further from the pile than it would be using peak sound pressure computations, the onset of AUD INJ is based on SEL computations; therefore, the onset of AUD INJ based on peak sound levels is not provided in this assessment.

The extent of the Level B Zone was calculated using the 10-meter (33-foot) sound levels and applying a transmission loss coefficient of 15 times the Log_{10} of the distance, as recommended by NMFS when there is no site-specific information for the area.

Table 10 presents the anticipated distances to the adopted marine mammal thresholds (Level A and Level B Zones). The peak AUD INJ thresholds that apply to marine mammals will not be reached. Distances are shown for both unattenuated and attenuated pile-driving activities expected from the project, for the estimated number of strikes and piles per day proposed.

[3] Distances to Marine Mammal thresholds also calculated using Optional Multi-Species Pile Driving Calculator 2.0 (2024) - https://www.fisheries.noaa.gov/national/marine-mammal-protection/marine-mammal-acoustic-technical-guidance . Screenshots of calculated results shown in Attachment B

TABLE 10 Distance to the Adopted Marine Mammal Thresholds for Different Construction Activities – Level A & B zones

						Level A injury zone (m [ft]) (using SEL_{cum} Threshold)					Level B harassment zone (using RMS)
						Cetaceans			Pinnipeds		
Method	**Pile Type**	**Size**	**Piles per day**	**Max. No. of strikes or duration per pile[a]**	**Condition**	**LF**	**HF**	**VHF**	**PW**	**OW**	
Impact	Concrete pile in water	12-inch	4	240	Unattenuated No Jetting[a]	28 m *[93 ft]*	--[b]	44 m *[144 ft]*	25 m *[83 ft]*	10 m *[33 ft]*	34 m *[112 ft]*
					Unattenuated with Jetting	18 m *[59 ft]*	--[b]	28 m *[91 ft]*	16 m *[52 ft]*	--[b]	
		16-inch	6	95	Unattenuated No Jetting[a]	20 m *[66 ft]*	--[b]	31 m *[102 ft]*	18 m *[58 ft]*	--[b]	34 m *[112 ft]*
					Unattenuated with Jetting	16 m *[51 ft]*	--[b]	24 m *[79 ft]*	14 m *[45 ft]*	--[b]	
		24-inch	4	145	Unattenuated No Jetting[a]	69 m *[227 ft]*	--[b]	107 m *[351 ft]*	62 m *[202 ft]*	23 m *[75 ft]*	293 m *[961 ft]*
					Unattenuated with Jetting	49 m *[159 ft]*	--[b]	75 m *[246 ft]*	43 m *[141 ft]*	16 m *[53 ft]*	

[a]Assumes a worst-case scenario where only an impact hammer is used and no jetting is permitted. If jetting is performed, substantially fewer piles strikes would be needed. This would reduce the impact zones for marine mammals that are based on Cumulative SEL values.
[b] Within the near-field of the sound source - < 10 m [33 ft]
Note : Refer to Attachment A for illustration of marine mammal impact distances
Refer to Attachment B for screenshots of NMFS calculator tool used for the impact distances

Predicted Impacts to Sea Turtles

Table 11 shows the predicted distances to the sea turtle thresholds as mentioned in Table 5. These distances have been calculated for impact driving and their respective levels expected from the project using the transmission loss coefficients as discussed in Table 7.

TABLE 11 Distance to the Adopted Green Sea Turtle thresholds

Method	Pile Type	Size	Piles per Day	No. of Strikes per Pile[a]	Condition	Distance to Sea Turtle threshold			
						Peak 230 dB	RMS 175 dB	Cumulative SEL	
								184 dB[b]	198 dB[c]
Impact	Concrete pile in water	12-inch	4	240	Unattenuated No Jetting[a]	0 m *[0 ft]*	--[d]	24 m *[80 ft]*	NA[c]
					Unattenuated with Jetting	0 m *[0 ft]*	--[d]	15 m *[50 ft]*	NA[c]
		16-inch	6	95	Unattenuated No Jetting[a]	0 m *[0 ft]*	--[d]	17 m *[56 ft]*	NA[c]
					Unattenuated with Jetting	0 m *[0 ft]*	--[d]	13 m *[43 ft]*	NA[c]
		24-inch	4	145	Unattenuated No Jetting[a]	0 m *[0 ft]*	29 m *[96 ft]*	59 m *[195 ft]*	NA[c]
					Unattenuated with Jetting	0 m *[0 ft]*	29 m *[96 ft]*	42 m *[137 ft]*	NA[c]

[a] Assumes a worst-case scenario where only an impact hammer is used and no jetting is permitted. If jetting is performed, substantially fewer piles strikes would be needed.
[b] For impulsive sound sources
[c] Not applicable since this threshold is for continuous sound sources
[d] Within the near-field of the sound source - < 10 m [33 ft]
Note : Refer to Attachment B Figures for screenshots of NMFS calculator tool used for the impact distances

It is important to note that no values are reported for distances within 10 m (33 ft) of the source for fish, marine mammals and sea turtles because this near-field zone is characterized by complex and highly variable acoustic behavior. Sound levels in this region are not reliably measurable due to interference and other complex effects close to the source. As a result, standard modeling practices and regulatory guidance exclude near-field data (less than 10 m), focusing instead on far-field predictions that more accurately represent potential exposure for fish, marine mammals, and sea turtles.

Effect of Jetting

Piles are planned to be installed by the combination of jetting and impact driving. The predictions of sound levels and associated impact zones are based on a worst-case scenario where jetting is not performed. If jetting is performed, then there would be substantially fewer piles strikes. This would reduce the impact zones for fish and marine mammals that are based on Cumulative SEL values[4]. The reduction in these zones, in terms of radius, would be 50 percent for the Pier 4 support piles, 30 percent for the Piers 5 through 8 guide piles, and 40 percent for the wave attenuator support piles. See Tables 9, 10, and 11 above.

[4] There are no injurious impacts predicted for sea turtles based on a scenario with no jetting.

Attenuation Methods

Impact driving of concrete piles typically includes the use of cushion blocks that reduce sound pressure levels. The unattenuated levels presented in this report include the effect of wood cushion blocks, since they are used to protect the pile. If additional sound reduction is necessary, air bubble curtains, either confined or un-confined, have been shown to reduce sound pressure levels for impact pile driving in water by up to about 5 to 20 dB within 300 m of the pile (Caltrans 2020). The Caltrans guidance recommends a 5-dB reduction be used for calculating the distances to the fish and marine mammal thresholds. The attenuated levels provided in this report are based on the use of an air bubble curtain.

The design of the specific bubble ring configuration depends on several factors, such as the depth of water and the water current. Air bubble curtain systems are commonly used during production pile driving to reduce underwater sound pressures. Typically, a system consists of stacked rings to generate air bubbles throughout the entire water column surrounding the piles, even with currents. It is critical to ensure bubble flux throughout the entire water depth, especially near the bottom. A bubble curtain system is generally composed of air compressors, supply lines to deliver the air, distribution manifolds or headers, perforated aeration pipes, and a frame. The frame is used to facilitate transportation and placement of the system, keep the aeration pipes stable, and provide ballast to counteract the buoyancy of the aeration pipes during pile-driving operations. Bubble curtain designs consist of single or multiple concentric layers of perforated aeration pipes (stacked vertically). Pipes in any layer are arranged in a geometric pattern that allows the pile-driving operation to be completely enclosed by bubbles for the full depth of the water column. The lowest layer of perforated aeration pipe is designed to ensure contact with the mud line without sinking into the bottom substrates. A proper combination of bubble density and closeness of bubbles to the pile is most effective. Numerous smaller bubbles are more effective because they displace more water between the bubbles. Again, this pattern has to be maintained throughout the water column.

While not considered an attenuation method, jetting a pile reduces the number of pile strikes necessary to drive a pile and reduces the area of injurious impacts to marine species. Please see the “Effect of Jetting” discussion provided above.

Illustration of Impacts

Attachment A includes maps displaying the extent of fish injury zones and marine mammal Level A and B Zones, and the maximum extent of the sea turtle behavioral disturbance zone around the proposed project site for the construction activities proposed. Attachment B includes screenshots from the *NMFS Multi-Species Calculator* (NMFS, 2025b) tool for the construction activities proposed that was used to calculate distances to fish, marine mammal and sea turtle thresholds.

AIRBORNE NOISE LEVELS FROM PROJECT PILE DRIVING

Fundamentals of Airborne Noise

Airborne sound is treated slightly differently than underwater sound. For example, the decibel scale used to express airborne sounds reference an acoustic pressure of 20 µPa rather than 1µPa, as 20µPa is the threshold of healthy human hearing. Sound transmission in air from a single source (i.e., a “point” source) radiates uniformly outward in a more spherical pattern as it travels away from the source since the propagating field is less bounded. The sound level attenuates (or drops off) at a rate of 6 dBA for each doubling of distance. This is expressed as a logarithmic function, where sound decreases 20 dB for each 10-fold increase in distance. Usually, the noise path between the source and the observer is very close to the ground. Noise attenuation from ground absorption and reflective wave canceling adds to the rate of attenuation. Traditionally, the excess attenuation has also been expressed in terms of attenuation per doubling of distance. This approximation is done for simplification only; for distances of less than 300 feet, prediction results based on this scheme are sufficiently accurate. For acoustically “hard” sites (i.e., sites with a reflective surface, such as a smooth body of water, between the source and the receiver), no excess ground attenuation is assumed. Sounds generated from construction activities are considered point sources, rather than a line source such as a freeway or roadway. The marine environment around the project site is mostly water and would be considered a “hard” site.

Airborne Noise Thresholds

In-air acoustic impacts are only considered for marine mammals that would haul out of the water. Therefore, pinnipeds (seals and sea lions) are considered but cetaceans (whales, dolphins, and porpoises) are not. NMFS (2023) states the following (Table 12) in-air behavioral thresholds for marine mammals.

Table 12 In-Air Onset of Behavioral Disturbance Acoustic Thresholds

Species/Group	Threshold (RMS, unweighted)[1]
Harbor Seal	90 dB re 20 µPa
All other pinnipeds	100 dB re 20 µPa

[1] Note: Sound levels underwater (re: 1 µPa) have a different reference pressure compared to in-air sounds (re: 20 µPa)

According to the latest 2024 NMFS guidance for marine mammals, there have been changes in the criteria used to evaluate impacts to Phocid and Otariid Pinnipeds. Table 13 shows the auditory injury criteria for the respective Pinnipeds.

Table 13 In-Air Onset of Auditory Injury (2024 NMFS Guidance)

Species/Group	Threshold[1]	
	Impulsive	Non-impulsive
Phocid Pinnipeds	162 dB Peak 140 dB Cumulative SEL[2]	154 dB Cumulative SEL[2]
Otariid Pinnipeds	177 dB Peak 163 dB Cumulative SEL[2]	177 dB Cumulative SEL[2]

[1] Note: Peak sound pressure has a reference value of 20 µPa (in air) and weighted cumulative sound exposure level has a reference value of 20 $\mu Pa^2 s$ (in air).
[2] The recommended accumulation period is 24 hours

Airborne Noise Source Levels

Impact pile driving sound levels for 24-inch concrete piles are based on measurements that were conducted at the USCG Homeport LA/LB base in Long Beach, California. These measurements recorded sound levels of 95 dBA at 100 feet (97 dB unweighted). This report utilizes these sound levels to characterize the airborne sounds generated by impact driving of all concrete piles associated with the proposed construction.

Airborne Impacts from Impact Pile Driving and Rock Chipping Concrete Demolition

The airborne source sound levels were used to calculate a 24-hour cumulative SEL for the concrete piles. The 24-hour cumulative SEL for concrete piles would be 137 dB at 15 m (50 ft). Table 14 shows the distances to the Auditory Injury and Behavioral thresholds.

TABLE 14 Distance to Airborne Thresholds for Impact Driving

Pile type	Species/Hearing Group	Distance (meters)			
		Auditory Injury Thresholds[1]		Behavioral Thresholds[1]	
		Peak 162 dB Phocid 177 dB Otariid	$SEL_{cum, 24h}$ 140 dB Phocid 163 dB Otariid	100 dB RMS	90 dB RMS
24-in Concrete Pile	Phocid Pinnipeds (including harbor seals)	--[2]	11	22	69
	Otariid Pinnipeds	--[2]	--[2]		

[1] Peak sound pressure and RMS has a reference value of 20 µPa (in air) while the weighted cumulative sound exposure level has a reference value of 20 $\mu Pa^2 s$ (in air).
[2] Within the near-field of the sound source - < 15 m [50 ft]

REFERENCES

California Department of Transportation (Caltrans). 2020. Technical Guidance for Assessment and Mitigation of the Hydroacoustic Effects of Pile Driving on Fish. Prepared by ICF International and Illingworth & Rodkin, Inc. Report No. CTHWANP-RT-20-365.01.04. October. https://dot.ca.gov/-/media/dot-media/programs/environmental-analysis/documents/env/
hydroacoustic-manual.pdf.

California Department of Transportation (Caltrans). 2024. Hydroacoustic Impact Assessment for Pile Driving Research And Application Of Best Available Science Prepared by David Buehler, Melinda Molnar, Bruce Rymer, Jimmy Walth, Ryant Stiltz, Hernan Perez.

DOSITS (Discovery of Sound in the Sea). 2021. Accessed August, 2025. https://dosits.org/galleries/audio-gallery/anthropogenic-sounds/dredging/.

Finerran, J.J. 2002. "Temporary Shift in Masked Hearing Thresholds in Odontocetes after Exposure to Single Underwater Impulses from a Seismic Watergun." Journal of the Acoustical Society of America. Vol. 111. June 4. https://doi.org/10.1121/1.1479150.

Illingworth & Rodkin Inc., (2023). USCG Construct OPC Homeport LA / LB Project. Hydroacoustic Monitoring Report.

ISO 18406:- Underwater acoustics — Measurement of radiated underwater sound from percussive pile driving

McQueen, A.D., Suedel, B.C., Wilkens, J.L., and Fields, M.P. 2018. "Evaluating biological effects of dredging-induced underwater sound," Proceedings of the Western Dredging Association Dredging Summit & Expo '18, Norfolk, VA, USA, June 25 – 28, 2018.

National Marine Fisheries Service (NMFS). 2012. NMFS Northwest Region and Northwest Fisheries Science Center. Guidance Document: Sound Propagation Modeling to Characterize Pile Driving Sounds Relevant to Marine Mammals

National Marine Fisheries Service (NMFS). 2018. 2018 Revision to: Technical Guidance for Assessing the Effects of Anthropogenic Sound on Marine Mammal Hearing (Version 2.0) - Underwater Acoustic Thresholds for Onset of Permanent and Temporary Threshold Shifts. April. https://media.fisheries.noaa.gov/dam-migration/tech_memo_acoustic_guidance_(20)_(pdf)_
508.pdf

National Marine Fisheries Services (NMFS). 2023. *National Marine Fisheries Services: Summary of Marine Mammal Protection Act Acoustic Thresholds.* February. Available at https://www.fisheries.noaa.gov/s3/2023-02/MMAcousticThresholds_secureFEB2023_OPR1.pdf Accessed Sep 15, Accessed Sep. 5, 2024.

National Marine Fisheries Services (NMFS). 2024. *Update to: Technical Guidance for Assessing the Effects of Anthropogenic Sound on Marine Mammal Hearing (Version 3.0)*. October. Latest draft available at https://www.fisheries.noaa.gov/national/marine-mammal-protection/marine-mammal-acoustic-technical-guidance Accessed October 29, 2024.

National Marine Fisheries Service (NMFS) 2025a. Summary of Endangered Species Act Recommended Acoustic Thresholds (Marine Mammals, Fishes and Sea Turtles) (September, 2025).

National Marine Fisheries Service (NMFS) 2025b Optional Multi-Species Pile Driving Calculator Version 2.1 (September 2025)

Naval Facilities Engineering Command Southwest (NAVFAC SW). 2020. *Compendium of Underwater and Airborne Sound Data During Pile Installation and In-Water Demolition Activities in San Diego Bay, California*. October 2020. Prepared by Tierra Data, Inc.

Suedel, B. C., McQueen, A. D., Wilkens, J. L., & Fields, M. P. 2019. Evaluating Effects of Dredging-Induced Underwater Sound on Aquatic Species: A Literature Review. U.S. Army Engineer Research and Development Center, Environmental Laboratory. ERDC/EL TR-19-18. Accessed August 2025.

Attachment A

Maps Illustrating the Maximum Fish Injury Zones, Marine Mammal Level A and B Zones and Sea Turtle Zones Based on No Jetting

FIGURE A-1 Maximum Extent of Fish Impacts for Impact driving of 12-inch Concrete Piles (Note: with jetting, these zones would be 30 to 50 percent smaller)

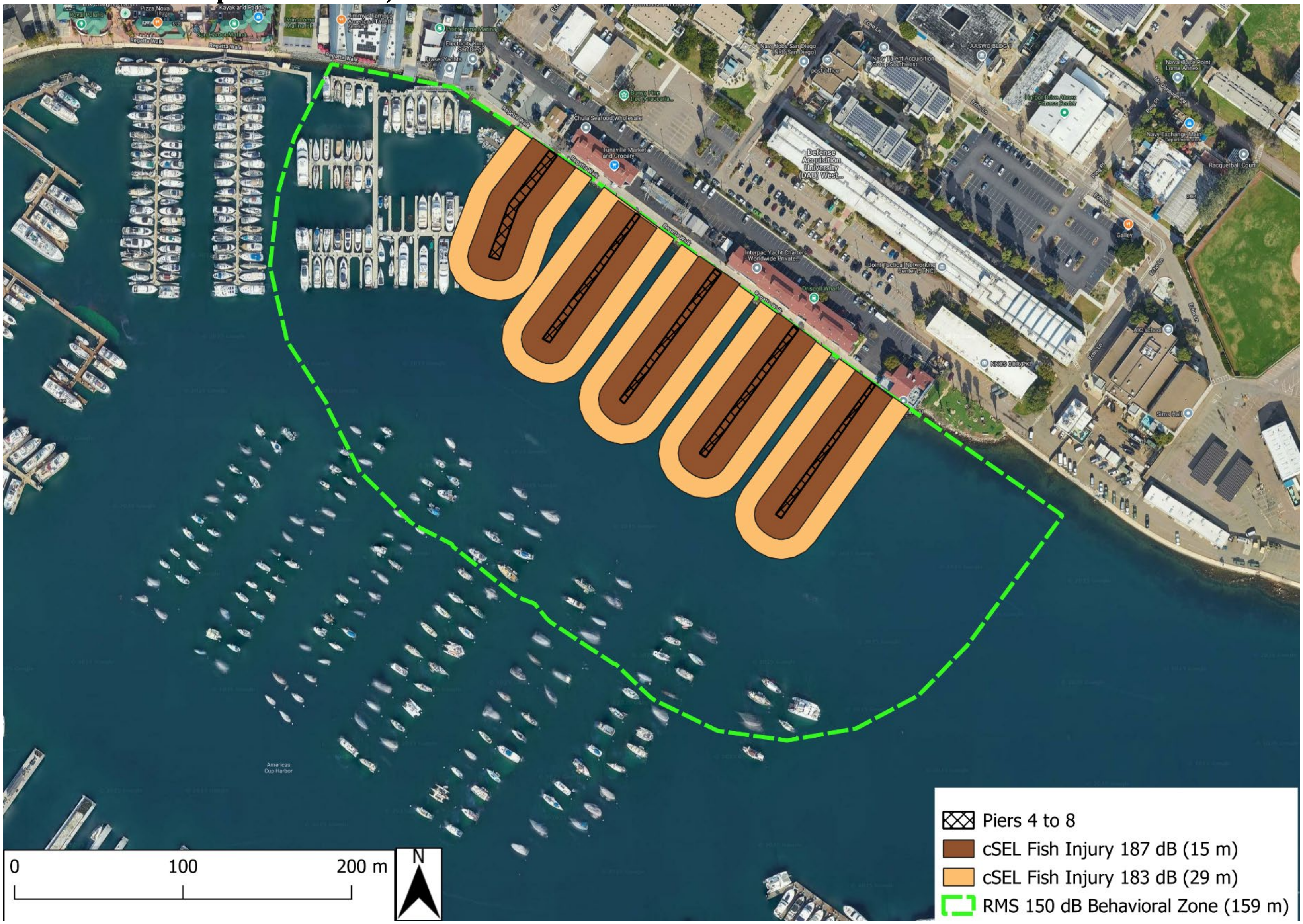


FIGURE A-2 Maximum Extent of Fish Impacts for Impact driving of 16-inch Concrete Piles (Note: with jetting, these zones would be 30 to 50 percent smaller)

FIGURE A-3 Maximum Extent of Fish Impacts for Impact driving of 24-inch Concrete Piles (Note: with jetting, these zones would be 30 to 50 percent smaller)

FIGURE A-4 Maximum Extent of Marine Mammal Impacts for Impact Driving of 12-inch Concrete Piles (Note: with jetting, these zones would be 30 to 50 percent smaller)

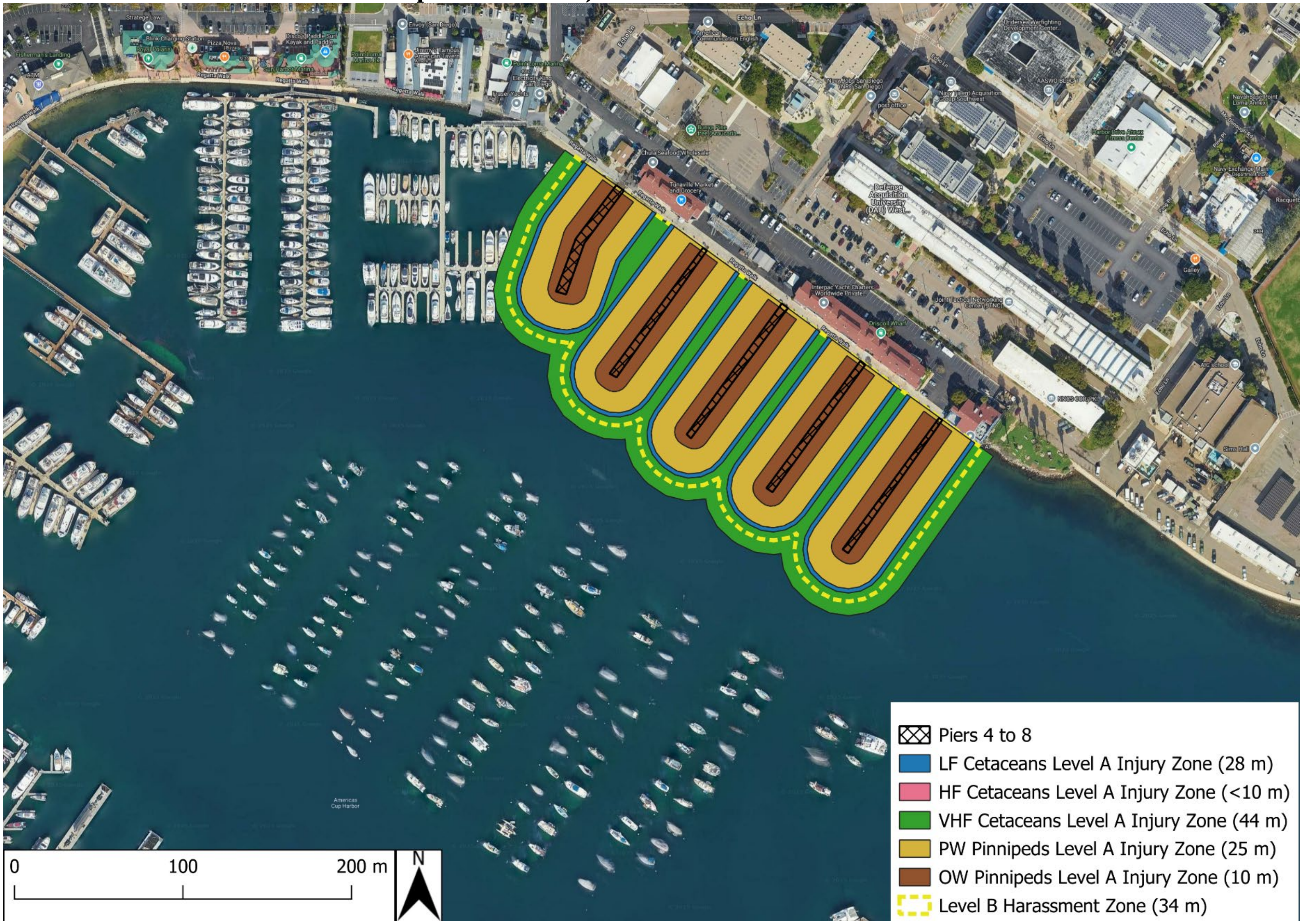


FIGURE A-5 Maximum Extent of Marine Mammal Impacts for Impact Driving of 16-inch Concrete Piles (Note: with jetting, these zones would be 30 to 50 percent smaller)

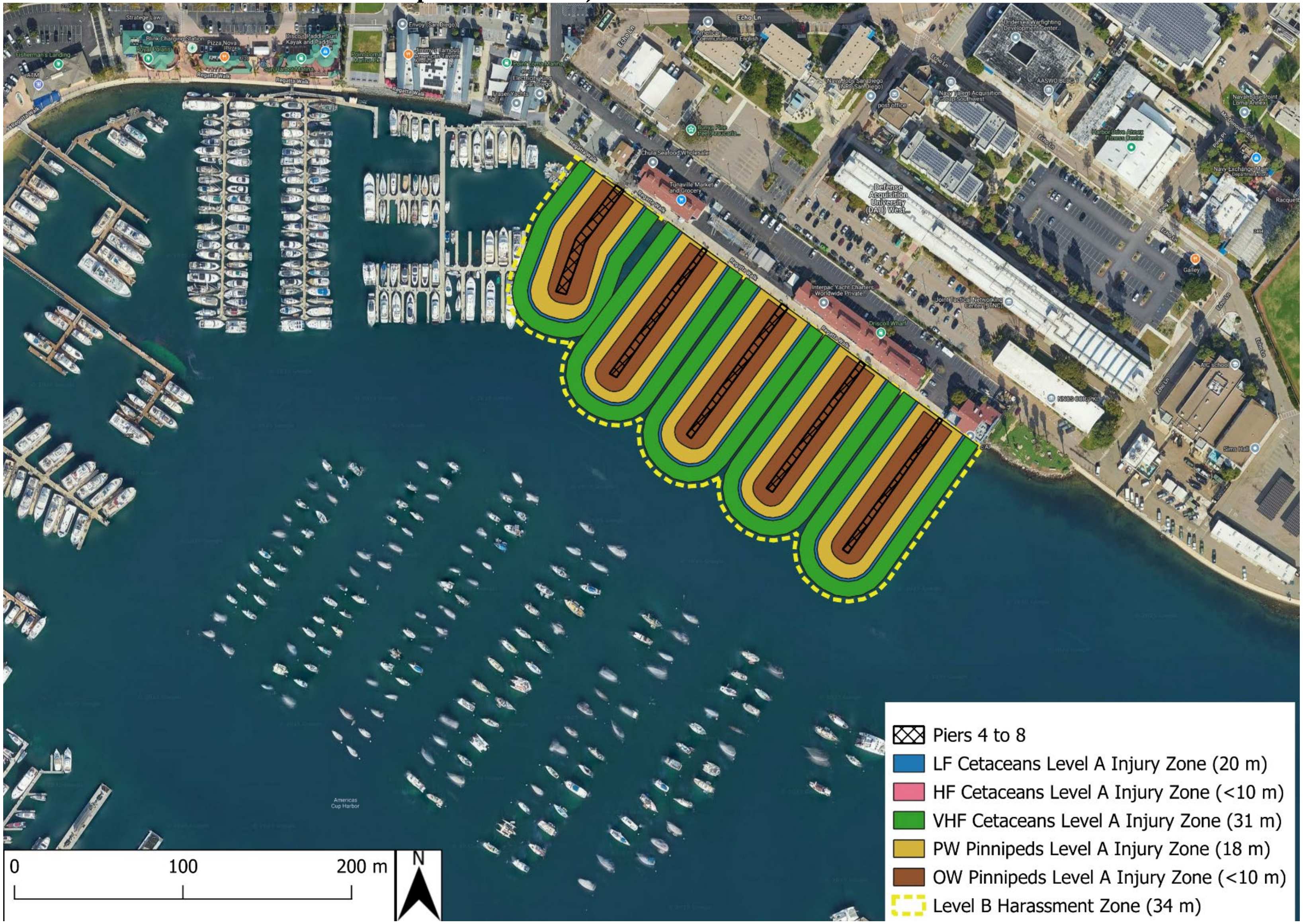


FIGURE A-6 Maximum Extent of Marine Mammal Impacts for Impact Driving of 24-inch Concrete Piles (Note: with jetting, these zones would be 40 percent smaller)

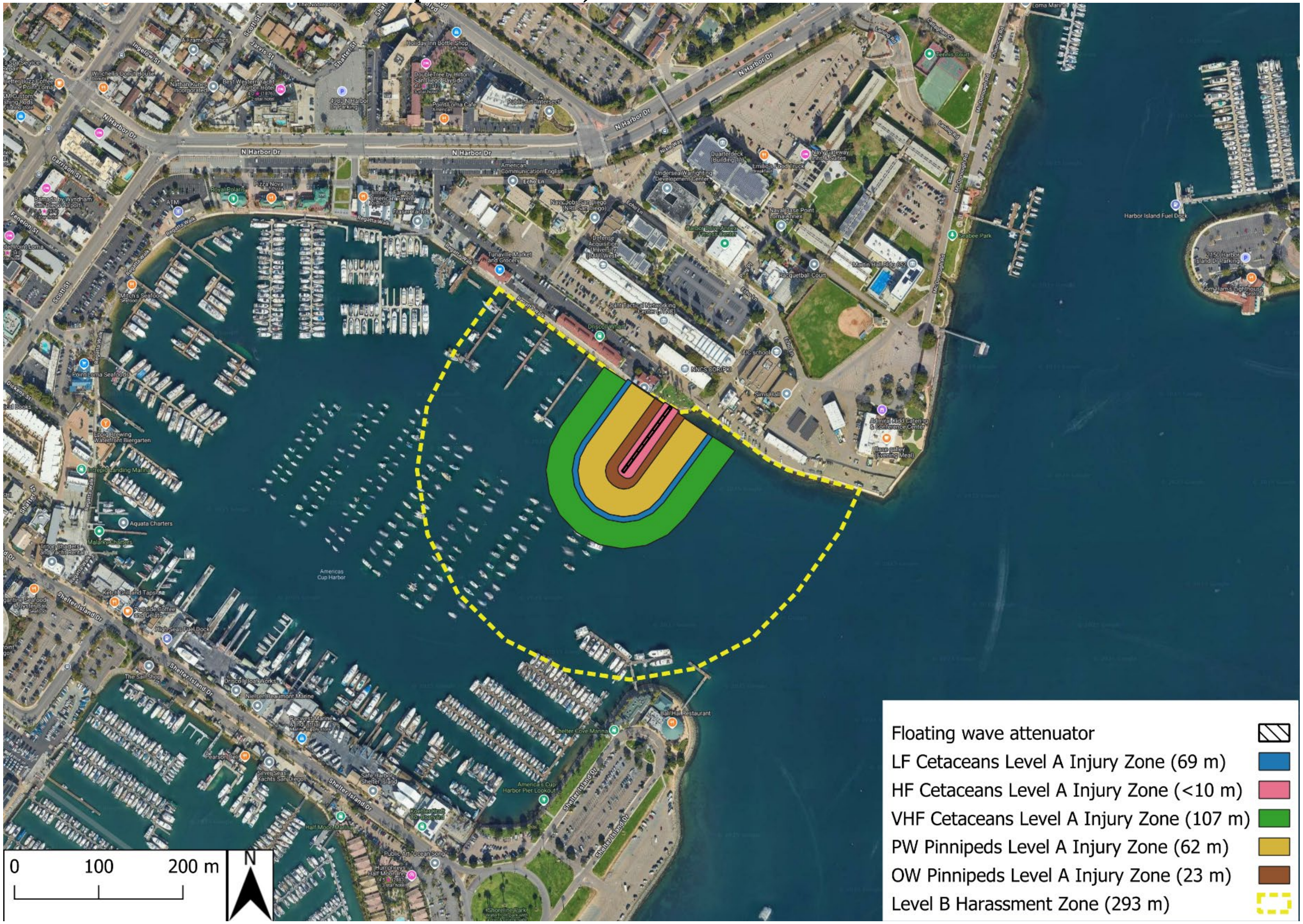


FIGURE A-7 Maximum Extent of Sea Turtle Impacts for Impact Driving of 12-inch Concrete Piles (Note: with jetting, these zones would be 30 to 50 percent smaller)

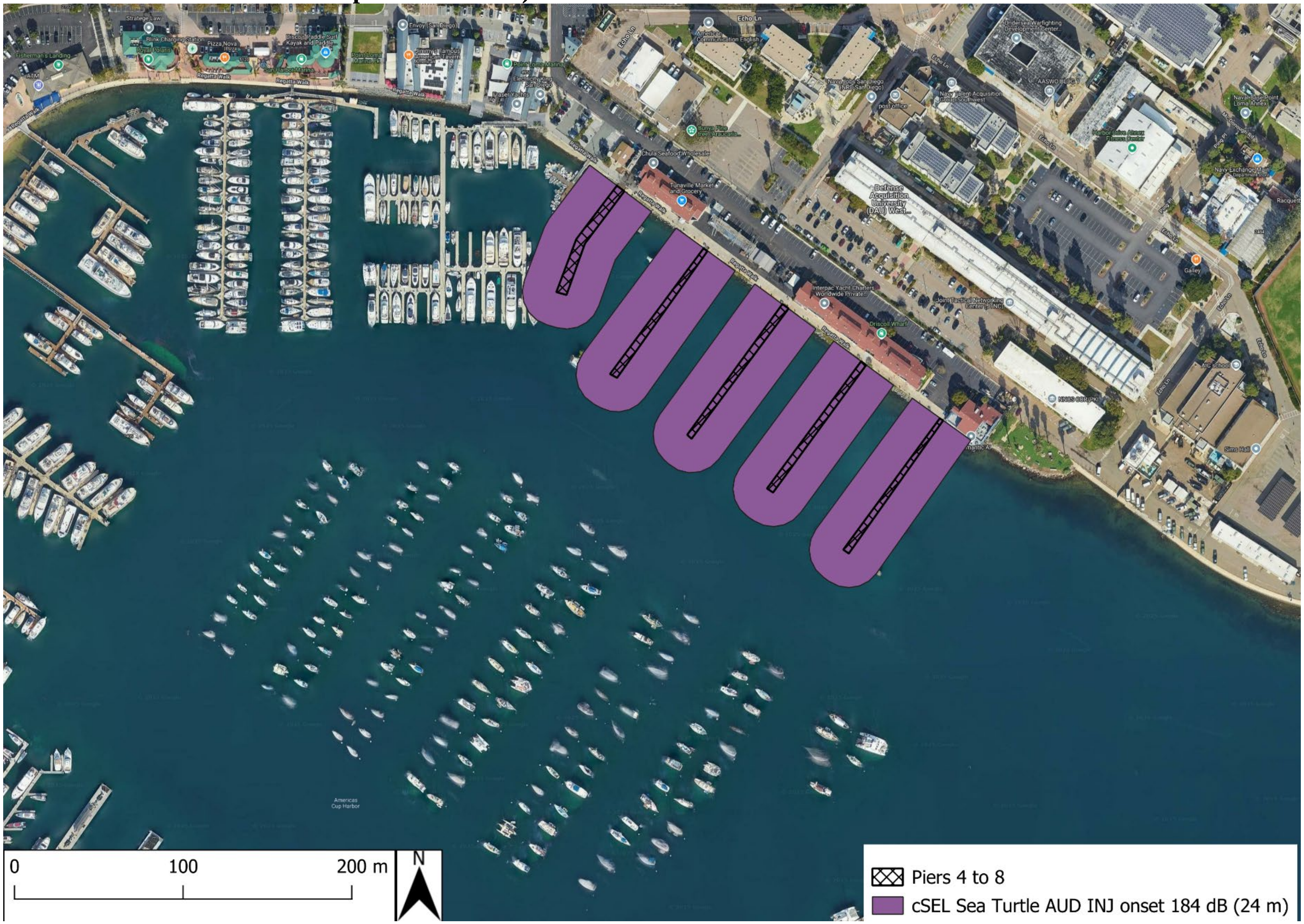


FIGURE A-8 Maximum Extent of Sea Turtle Impacts for Impact Driving of 16-inch Concrete Piles (Note: with jetting, these zones would be 30 to 50 percent smaller)

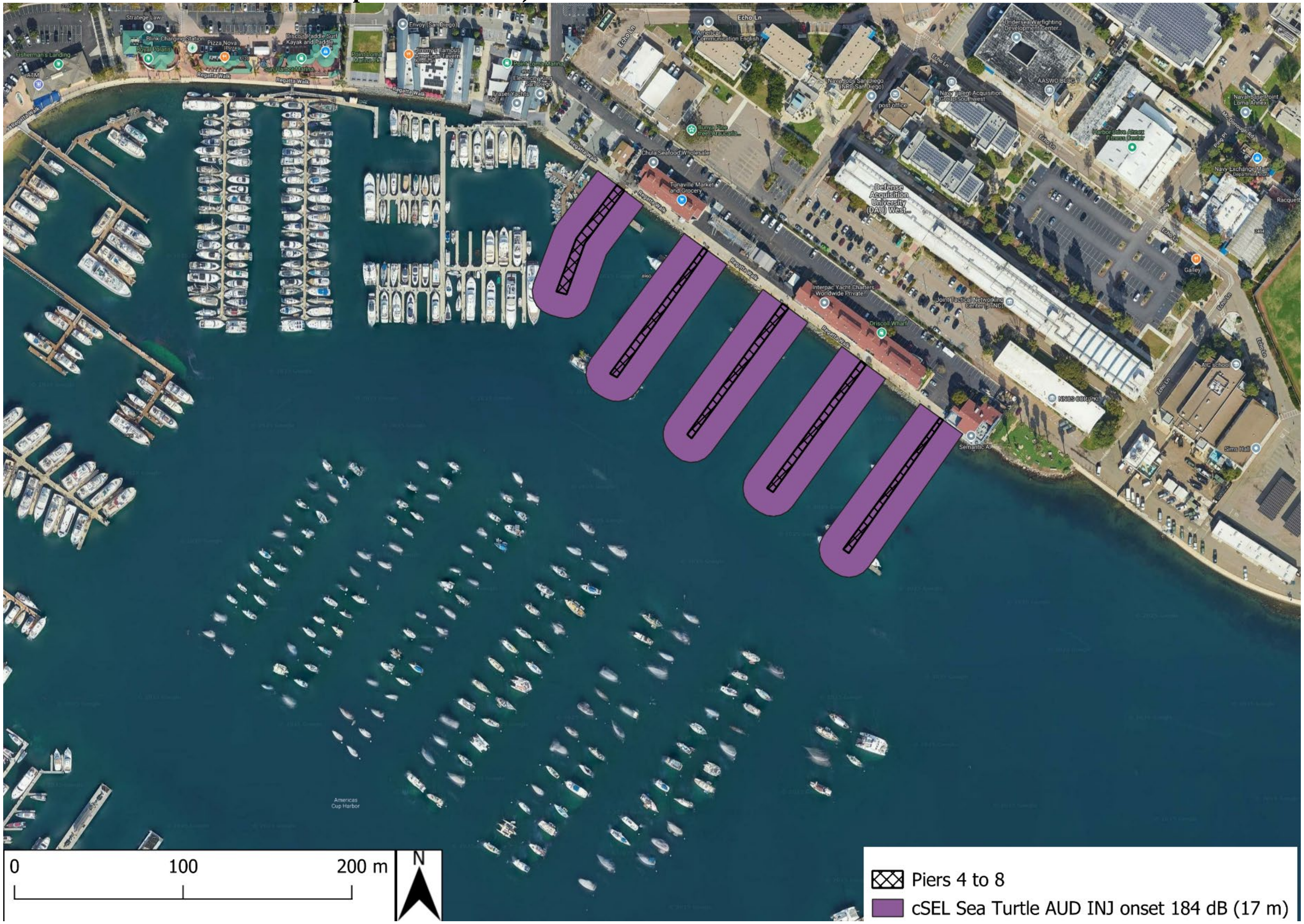
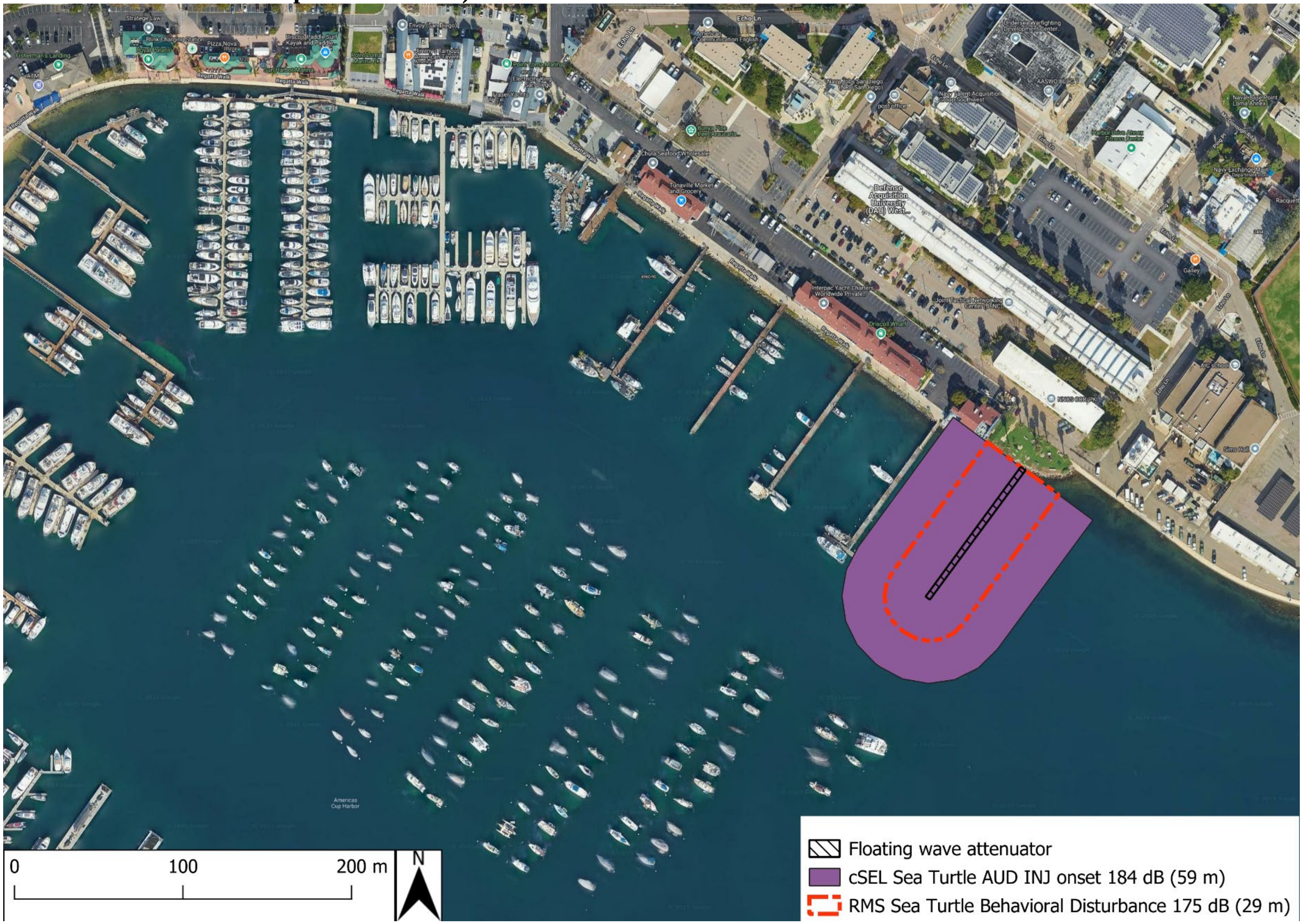


FIGURE A-9 Maximum Extent of Sea Turtle Impacts for Impact Driving of 24-inch Concrete Piles (Note: with jetting, these zones would be 40 percent smaller)



Attachment B
Screenshots from NMFS 2025 Multi-Species (v2.1) Optional Calculator Spreadsheets

Maximum Pile Driving Scenario with No Jetting

Figure B-1 Screenshot from NMFS 2024 Multi-Species Calculator for Impact Driving of 12-inch Concrete Piles

IMPACT PILE DRIVING REPORT

VERSION 2.1-Multi-Species: 2025

12-in concrete piles impacted

PRINT IN LANDSCAPE TO CAPTURE ENTIRE SCREEN

(if OTHER INFO or NOTES get cut-off, please include information elsewhere)

PROJECT INFORMATION	PEAK	SELss	RMS
Single strike level (dB)	193	160	168
Distance associated with single strike level (meters)	10	10	10
Transmission loss constant	15		
Number of piles per day	4		
Number of strikes per pile	240		
Number of strikes per day	960		
Cumulative SEL at measured distance	190		

OTHER INFO: 0

NOTES: 0

Attenuation: 0

RESULTANT ISOPLETHS

(Range to Effects)

FISHES

	ONSET OF PHYSICAL INJURY			BEHAVIOR
	Peak Isopleth	SEL_{cum} Isopleth Fish ≥ 2 g	SEL_{cum} Isopleth Fish < 2 g	RMS Isopleth
ISOPLETHS (meters)	1.4	15.4	28.5	158.5
Isopleth (feet)	4.5	50.6	93.5	520.0

NO FISHES

SEA TURTLES

	AUD INJ ONSET		BEHAVIOR
	Peak Isopleth	SEL_{cum} Isopleth	RMS Isopleth
ISOPLETHS (meters)	0.0	24.3	3.4
Isopleth (feet)	0.1	79.9	11.2

NO SEA TURTLES

MARINE MAMMALS

	LF Cetacean	HF Cetaceans	VHF Cetaceans	PW Pinniped	OW Pinnipeds
AUD INJ ONSET (Peak isopleth, meters)	0.1	0.0	2.5	0.1	0.0
AUD INJ ONSET (Peak isopleth, feet)	0.4	0.1	8.2	0.3	0.1
AUD INJ ONSET (SEL_{cum} isopleth, meters)	28.4	3.6	43.9	25.2	9.4
AUD INJ ONSET (SEL_{cum} isopleth, feet)	93.0	11.9	144.0	82.7	30.8

	ALL MM
Behavior (RMS isopleth, meters)	34.1
Behavior (RMS isopleth, feet)	112.0

NO HF CET. NO VHF CET. NO PHOCIDS NO OTARIIDS

NO LF CET.

Figure B-2 Screenshot from NMFS 2024 Multi-Species Calculator for Impact Driving of 16-inch Concrete Piles

IMPACT PILE DRIVING REPORT

VERSION 2.1-Multi-Species: 2025

16-in concrete piles impacted

PRINT IN LANDSCAPE TO CAPTURE ENTIRE SCREEN

(if OTHER INFO or NOTES get cut-off, please include information elsewhere)

PROJECT INFORMATION	PEAK	SELss	RMS
Single strike level (dB)	193	160	168
Distance associated with single strike level (meters)	10	10	10
Transmission loss constant	15		
Number of piles per day	6		
Number of strikes per pile	95		
Number of strikes per day	570		
Cumulative SEL at measured distance	188		

OTHER INFO: 0

NOTES: 0

Attenuation: 0

RESULTANT ISOPLETHS

(Range to Effects)

FISHES

	ONSET OF PHYSICAL INJURY			BEHAVIOR	
	Peak Isopleth	SEL_{cum} Isopleth Fish ≥ 2 g	SEL_{cum} Isopleth Fish < 2 g	RMS Isopleth	
ISOPLETHS (meters)	1.4	10.9	20.1	158.5	NO FISHES
Isopleth (feet)	4.5	35.7	66.1	520.0	

SEA TURTLES

	AUD INJ ONSET		BEHAVIOR	
	Peak Isopleth	SEL_{cum} Isopleth	RMS Isopleth	
ISOPLETHS (meters)	0.0	17.2	3.4	NO SEA TURTLES
Isopleth (feet)	0.1	56.4	11.2	

MARINE MAMMALS

	LF Cetacean	HF Cetaceans	VHF Cetaceans	PW Pinniped	OW Pinnipeds
AUD INJ ONSET (Peak isopleth, meters)	0.1	0.0	2.5	0.1	0.0
AUD INJ ONSET (Peak isopleth, feet)	0.4	0.1	8.2	0.3	0.1
AUD INJ ONSET (SEL_{cum} isopleth, meters)	20.0	2.6	31.0	17.8	6.6
AUD INJ ONSET (SEL_{cum} isopleth, feet)	65.7	8.4	101.7	58.4	21.8
	ALL MM	NO HF CET.	NO VHF CET.	NO PHOCIDS	NO OTARIIDS
Behavior (RMS isopleth, meters)	34.1	NO LF CET.			
Behavior (RMS isopleth, feet)	112.0				

Figure B-3 Screenshot from NMFS 2024 Multi-Species Calculator for Impact Driving of 24-inch Concrete Piles

IMPACT PILE DRIVING REPORT

VERSION 2.1-Multi-Species: 2025

24-in concrete piles impacted

PRINT IN LANDSCAPE TO CAPTURE ENTIRE SCREEN

(if OTHER INFO or NOTES get cut-off, please include information elsewhere)

PROJECT INFORMATION	PEAK	SELss	RMS
Single strike level (dB)	195	168	182
Distance associated with single strike level (meters)	10	10	10
Transmission loss constant	15		
Number of piles per day	4		
Number of strikes per pile	145		
Number of strikes per day	580		
Cumulative SEL at measured distance	196		

OTHER INFO: 0

NOTES: 0

Attenuation: 0

RESULTANT ISOPLETHS

(Range to Effects)

FISHES

	ONSET OF PHYSICAL INJURY			BEHAVIOR	
	Peak Isopleth	SEL_{cum} Isopleth Fish ≥ 2 g	SEL_{cum} Isopleth Fish < 2 g	RMS Isopleth	
ISOPLETHS (meters)	1.8	37.6	69.5	1,359.4	NO FISHES
Isopleth (feet)	6.1	123.5	228.2	4,459.8	

SEA TURTLES

	AUD INJ ONSET		BEHAVIOR	
	Peak Isopleth	SEL_{cum} Isopleth	RMS Isopleth	
ISOPLETHS (meters)	0.0	59.4	29.3	NO SEA TURTLES
Isopleth (feet)	0.2	194.9	96.1	

MARINE MAMMALS

	LF Cetacean	HF Cetaceans	VHF Cetaceans	PW Pinniped	OW Pinnipeds
AUD INJ ONSET (Peak isopleth, meters)	0.2	0.0	3.4	0.1	0.0
AUD INJ ONSET (Peak isopleth, feet)	0.5	0.2	11.2	0.4	0.2
AUD INJ ONSET (SEL_{cum} isopleth, meters)	69.2	8.8	107.1	61.5	22.9
AUD INJ ONSET (SEL_{cum} isopleth, feet)	227.0	29.0	351.3	201.7	75.2
	ALL MM	NO HF CET.	NO VHF CET.	NO PHOCIDS	NO OTARIIDS
Behavior (RMS isopleth, meters)	292.9	NO LF CET.			
Behavior (RMS isopleth, feet)	960.8				

Appendix G

Special Status Species List

Special-Status Plants and Their Potential for Occurrence on the Project Site

The following species were returned in the California Natural Diversity Database (CNDDB) 5-quadrangle search that surrounds the project site in San Diego, California. The project site exhibits virtually no natural vegetation that could support these species. Therefore, all of the special-status plant species listed below are *not expected to occur* within the project site.

- red sand-verbena (*Abronia marítima*) (CRPR 4.2)
- San Diego thorn-mint (*Acanthomintha ilicifolia*) (FT, SE, CRPR 1B.1)
- Nuttall's acmispon (*Acmispon prostratus*) (CRPR 1B.1)
- California adolphia (*Adolphia californica*) (CRPR 2B.1)
- Shaw's agave (*Agave shawii* var. *shawii*) (CRPR 2B.1)
- San Diego bur-sage (*Ambrosia chenopodiifolia*) (CRPR 2B.1)
- singlewhorl burrobrush (*Ambrosia monogyra*) (CRPR 2B.2)
- San Diego ambrosia (*Ambrosia pumila*) (FE, CRPR 1B.1)
- aphanisma (*Aphanisma blitoides*) (CRPR 1B.2)
- short-lobed broomrape (*Aphyllon parishii* ssp. *brachylobum*) (CRPR 4.2)
- Del Mar manzanita (*Arctostaphylos glandulosa* ssp. *crassifolia*) (FE, CRPR 1B.1)
- San Diego sagewort (*Artemisia palmeri*) (CRPR 4.2)
- western spleenwort (*Asplenium vespertinum*) (CRPR 4.2)
- Dean's milk-vetch (*Astragalus deanei*) (CRPR 1B.1)
- coastal dunes milk-vetch (*Astragalus tener* var. *titi*) (FE, SE, CRPR 1B.1)
- Coulter's saltbush (*Atriplex coulteri*) (CRPR 1B.1)
- south coast saltscale (*Atriplex pacifica*) (CRPR 1B.2)
- San Diego County viguiera (*Bahiopsis laciniata*) (CRPR 4.3)
- golden-spined cereus (*Bergerocactus emoryi*) (CRPR 2B.2)
- San Diego goldenstar (*Bloomeria clevelandii*) (CRPR 1B.1)
- Orcutt's brodiaea (*Brodiaea orcuttii*) (CRPR 1B.1)
- Lewis' evening primrose (*Camissoniopsis lewisii*) (CRPR 3)
- Otay Mountain ceanothus (*Ceanothus otayensis*) (CRPR 1B.2)
- wart-stemmed ceanothus (*Ceanothus verrucosus*) (CRPR 2B.2)
- Orcutt's pincushion (*Chaenactis glabriuscula* var. *orcuttiana*) (CRPR 1B.1)
- southern mountain misery (*Chamaebatia australis*) (CRPR 4.2)
- salt marsh bird's-beak (*Chloropyron maritimum* ssp. *maritimum*) (FE, SE, CRPR 1B.2)
- Orcutt's spineflower (*Chorizanthe orcuttiana*) (FE, SE, CRPR 1B.1)
- long-spined spineflower (*Chorizanthe polygonoides* var. *longispina*) (CRPR 1B.2)
- seaside cistanthe (*Cistanthe maritima*) (CRPR 4.2)
- delicate clarkia (*Clarkia delicata*) (CRPR 1B.2)

- summer holly (*Comarostaphylis diversifolia* ssp. *diversifolia*) (CRPR 1B.2)
- small-flowered morning-glory (*Convolvulus simulans*) (CRPR 4.2)
- San Diego sand aster (*Corethrogyne filaginifolia* var. *incana*) (CRPR 1B.1)
- snake cholla (*Cylindropuntia californica* var. *californica*) (CRPR 1B.1)
- Otay tarplant (*Deinandra conjugens*) (FT, SE, CRPR 1B.1)
- paniculate tarplant *(Deinandra paniculata*) (CRPR 4.2)
- western dichondra (*Dichondra occidentalis*) (CRPR 4.2)
- Orcutt's bird's-beak (*Dicranostegia orcuttiana*) (CRPR 2B.1)
- low bush monkeyflower (*Diplacus aridus*) (CRPR 4.3)
- Orcutt's dudleya (*Dudleya attenuata* ssp. *attenuata*) (CRPR 2B.1)
- Blochman's dudleya (*Dudleya blochmaniae* ssp. *blochmaniae*) (CRPR 1B.1)
- short-leaved dudleya (*Dudleya brevifolia*) (SE, CRPR 1B.1)
- variegated dudleya (*Dudleya variegata*) (CRPR 1B.2)
- sticky dudleya (*Dudleya viscida*) (CRPR 1B.2)
- Palmer's goldenbush (*Ericameria palmeri* var. *palmeri*) (CRPR 1B.1)
- San Diego button-celery (*Eryngium aristulatum* var. *parishii*) (FE, SE, CRPR 1B.1)
- sand-loving wallflower (*Erysimum ammophilum*) (CRPR 1B.2)
- Palomar monkeyflower (*Erythranthe diffusa*) (CRPR 4.3)
- cliff surge (*Euphorbia misera*) (CRPR 2B.2)
- San Diego barrel cactus (*Ferocactus viridescens*) (CRPR 2B.1)
- Palmer's frankenia (*Frankenia palmeri*) (CRPR 2B.1)
- Campbell’s liverwort (*Geothallus tuberosus*) (CRPR 1B.1)
- Mission Canyon bluecup (*Githopsis diffusa* ssp. *filicaulis*) (CRPR 3.1)
- San Diego gumplant (*Grindelia hallii*) (CRPR 1B.2)
- Palmer's grapplinghook (*Harpagonella palmeri*) (CRPR 4.2)
- Hogwallow starfish (*Hesperevax caulescens*) (CRPR 4.2)
- beach goldenaster (*Heterotheca sessiliflora* ssp. *sessiliflora*) (CRPR 1B.1)
- graceful tarplant (*Holocarpha virgata* ssp. *elongata)* (CRPR 4.2)
- vernal barley (*Hordeum intercedens*) (CRPR 3.2)
- decumbent goldenbush (*Isocoma menziesii* var. *decumbens*) (CRPR 1B.2)
- San Diego marsh-elder (*Iva hayesiana*) (CRPR 2B.2)
- southwestern spiny rush (*Juncus acutus* ssp. *leopoldii*) (CRPR 4.2)
- Coulter's goldfields (*Lasthenia glabrata* ssp. *coulteri*) (CRPR 1B.1)
- pride-of-California (*Lathyrus splendens*) (CRPR 4.3)
- heart-leaved pitcher sage (*Lepechinia cardiophylla*) (CRPR 1B.2)

- Robinson's pepper-grass (*Lepidium virginicum* var. *robinsonii*) (CRPR 4.3)
- sea dahlia (*Leptosyne marítima*) (CRPR 2B.2)
- California box-thorn (*Lycium californicum*) (CRPR 4.2)
- small-flowered microseris (*Microseris douglasii* ssp. *platycarpha*) (CRPR 4.2)
- light gray lichen (*Mobergia calculiformis*) (CRPR 3)
- willowy monardella (*Monardella viminea*) (FE, SE, CRPR 1B.1)
- California spineflower (*Mucronea califórnica*) (CRPR 4.2)
- little mousetail (*Myosurus minimus* ssp. *apus*) (CRPR 3.1)
- mud nama (*Nama stenocarpa*) (CRPR 2B.2)
- spreading navarretia (*Navarretia fossalis*) (FT, CRPR 1B.1)
- prostrate vernal pool navarretia (*Navarretia prostrata*) (CRPR 1B.2)
- coast woolly-heads (*Nemacaulis denudata* var. *denudata*) (CRPR 1B.2)
- slender cottonheads (*Nemacaulis denudata* var. *gracilis*) (CRPR 2B.2)
- California adder's-tongue (*Ophioglossum californicum*) (CRPR 4.2)
- California Orcutt grass (*Orcuttia californica*) (FE, SE, CRPR 1B.1)
- Baja California birdbush (*Ornithostaphylos oppositifolia*) (SE, CRPR 2B.1)
- golden-rayed pentachaeta (*Pentachaeta aurea* ssp. *aurea*) (CRPR 4.2)
- Brand's star phacelia (*Phacelia stellaris*) (CRPR 1B.1)
- chaparral rein orchid (*Piperia cooperi*) (CRPR 4.2)
- San Diego mesa mint (*Pogogyne abramsii*) (FE, SE, CRPR 1B.1)
- Otay Mesa mint (*Pogogyne nudiuscula*) (FE, SE, CRPR 1B.1)
- Nuttall's scrub oak (*Quercus dumosa*) (CRPR 1B.1)
- Santa Catalina Island currant (*Ribes viburnifolium*) (CRPR 1B.2)
- small-leaved rose (*Rosa minutifolia*) (SE, CRPR 2B.1)
- Munz's sage (*Salvia munzii*) (CRPR 2B.2)
- ashy spike-moss (*Selaginella cinerascens*) (CRPR 4.1)
- chaparral ragwort (*Senecio aphanactis*) (CRPR 1B.2)
- salt spring checkerbloom (*Sidalcea neomexicana*) (CRPR 2B.2)
- bottle liverwort (*Sphaerocarpos drewiae*) (CRPR 1B.1)
- purple stemodia (*Stemodia durantifolia*) (CRPR 2B.1)
- San Diego County needle grass (*Stipa diegoensis*) (CRPR 4.2)
- Laguna Mountains jewelflower (*Streptanthus bernardinus*) (CRPR 4.3)
- oil neststraw (*Stylocline citroleum*) (CRPR 1B.1)
- estuary seablite (*Suaeda esteroa*) (CRPR 1B.2)
- wooly seablite (*Suaeda taxifolia*) (CRPR 4.2)

- Parry's tetracoccus (*Tetracoccus dioicus*) (CRPR 1B.2)
- woven-spored lichen (*Texosporium sancti-jacobi*) (CRPR 3)
- California screw moss (*Tortula californica*) (CRPR 1B.2)

Notes: CRPR = California Rare Plant Rank; subsp. = subspecies; var. = variety.

[1] Legal Status Definitions

Federal:
FE Endangered (legally protected)
FT Threatened (legally protected)

State:
SE Endangered (legally protected)
ST Threatened (legally protected)
SR State-listed as rare (legally protected by NPPA)

California Rare Plant Ranks:
1B Plant species considered rare or endangered in California and elsewhere (protected under CEQA, but not legally protected under ESA or CESA)
2B Plant species considered rare or endangered in California but more common elsewhere (protected under CEQA, but not legally protected under ESA or CESA)
3 Plant species lacking the necessary information to assign them to one of the other ranks or to reject them. Many meet the definitions of the California Endangered Species Act and are eligible for state listing.
4 Plant species of limited distribution or that occur infrequently throughout a broader area in California.

Threat Ranks:
0.1 Seriously threatened in California (more than 80% of occurrences threatened; high degree and immediacy of threat)
0.2 Moderately threatened in California (20–80% occurrences threatened; moderate degree and immediacy of threat)
0.3 Not very threatened in California (less than 20% of occurrences threatened/low degree and immediacy of threat or no current threats known)

Sources: CDFW 2025; CNPS 2025a; CNPS 2025b.

Special-Status Wildlife and Their Potential for Occurrence on the Project Site

Species	Federal Status[1]	State Status[1]	Other Status	Habitat	Potential for Occurrence
Amphibians and Reptiles					
Southern California legless lizard *Anniella stebbinsi*	—	—	CDFW SSC	Broadleaved upland forest, chaparral, coastal dunes, coastal scrub. Generally south of the Transverse Range, extending to northwestern Baja California. Occurs in sandy or loose loamy soils under sparse vegetation. Disjunct populations in the Tehachapi and Piute Mountains in Kern County. Variety of habitats; generally in moist, loose soil. They prefer soils with a high moisture content.	*Not expected to occur.* Suitable habitat is not present within the project site.
California glossy snake *Arizona elegans occidentalis*	—	—	CDFW SSC	Patchily distributed from the eastern portion of San Francisco Bay, southern San Joaquin Valley, and the Coast, Transverse, and Peninsular ranges, south to Baja California. Generalist reported from a range of scrub and grassland habitats, often with loose or sandy soils.	*Not expected to occur.* Suitable habitat is not present within the project site.
coastal whiptail *Aspidoscelis tigris stejnegeri*	—	—	CDFW SSC	Found in deserts and semi-arid areas with sparse vegetation and open areas. Also found in woodland and riparian areas. Ground may be firm soil, sandy, or rocky.	*Not expected to occur.* Suitable habitat is not present within the project site.
loggerhead turtle *Caretta caretta*	FE	—	—	Juveniles and adults live in U.S. coastal waters. Found worldwide primarily in subtropical and temperate regions. In coastal waters, feeds on bottom-dwelling invertebrates.	*Not expected to occur.* Suitable habitat is not present within the project site.
green sea turtle *Chelonia mydas*	FT	—	—	Marine bay. Completely herbivorous; needs adequate supply of seagrasses and algae.	*May occur.* Suitable foraging habitat (i.e., eelgrass) present. The species is known to inhabit San Diego Bay with the nearest known occurrence of located 7.5 miles southeast of the project site.
red diamond rattlesnake *Crotalus ruber*	—	—	CDFW SSC	Chaparral, woodland, grassland, and desert areas from coastal San Diego County to the eastern slopes of the mountains. Occurs in rocky areas and dense vegetation. Needs rodent burrows, cracks in rocks or surface cover objects.	*Not expected to occur.* Suitable habitat is not present within the project site.
leatherback turtle *Dermochelys coriacea*				Nesting beaches are primarily located in tropical latitudes around the world. Western Pacific leatherbacks feed off the Pacific coast of North America, and migrate across the Pacific to nest in Indonesia, Papua New Guinea, and the Solomon Islands.	*Not expected to occur.* Suitable habitat is not present within the project site.
Olive Ridley turtle *Lepidochelys olivacea*				Primarily found in tropical regions of the Pacific, Indian, and Atlantic oceans. Mainly a pelagic (open ocean) sea turtle, but are also known to inhabit coastal areas.	*Not expected to occur.* Suitable habitat is not present within the project site.

Species	Federal Status[1]	State Status[1]	Other Status	Habitat	Potential for Occurrence
Baja California coachwhip *Masticophis fuliginosus*	—	—	CDFW SSC	In California restricted to southern San Diego County, where it is known from grassland and coastal sage scrub. Open areas in grassland and coastal sage scrub.	*Not expected to occur.* Suitable habitat is not present within the project site.
coast horned lizard *Phrynosoma blainvillii*	—	—	CDFW SSC	Chaparral, cismontane woodland, coastal bluff scrub, coastal scrub, desert wash, pinon and juniper woodlands, riparian scrub, riparian woodland, valley and foothill grassland. Frequents a wide variety of habitats, most common in lowlands along sandy washes with scattered low bushes. Open areas for sunning, bushes for cover, patches of loose soil for burial, and abundant supply of ants and other insects.	*Not expected to occur.* Suitable habitat is not present within the project site.
coast patch-nosed snake *Salvadora hexalepis virgultea*	—	—	CDFW SSC	Coastal scrub. Brushy or shrubby vegetation in coastal Southern California. Require small mammal burrows for refuge and overwintering sites.	*Not expected to occur.* Suitable habitat is not present within the project site.
western spadefoot *Spea hammondii*	PT	—	CDFW SSC	Cismontane woodland, coastal scrub, valley and foothill grassland, vernal pool, wetland. Occurs primarily in grassland habitats, but can be found in valley-foothill hardwood woodlands.	*Not expected to occur.* Suitable habitat is not present within the project site.
two-striped gartersnake *Thamnophis hammondii*	—	—	CDFW SSC	Marsh and swamp, riparian scrub, riparian woodland, wetland. Coastal California from vicinity of Salinas to northwest Baja California. From sea to about 7,000 ft elevation. Highly aquatic, found in or near permanent fresh water. Often along streams with rocky beds and riparian growth.	*Not expected to occur.* Suitable habitat is not present within the project site.
Birds					
tricolored blackbird *Agelaius tricolor*	—	ST	CDFW SSC, USFWS BCC, MSCP Covered Species	Freshwater marsh, marsh and swamp, swamp, wetland. Highly colonial species, most numerous in Central Valley and vicinity. Largely endemic to California. Requires open water, protected nesting substrate, and foraging area with insect prey within a few km of the colony.	*Not expected to occur.* Suitable habitat is not present within the project site.
burrowing owl *Athene cunicularia*	—	SCE	CDFW SSC, USFCW BCC, MSCP Covered Species	Coastal prairie, coastal scrub, Great Basin grassland, Great Basin scrub, Mojavean desert scrub, Sonoran desert scrub, valley and foothill grassland. Open, dry annual or perennial grasslands, deserts, and scrublands characterized by low-growing vegetation. Subterranean nester, dependent upon burrowing mammals, most notably, the California ground squirrel.	*Not expected to occur.* Suitable habitat is not present within the project site.
Swainson's hawk *Buteo swainsoni*	—	ST	MSCP Covered Species	Great Basin grassland, riparian forest, riparian woodland, valley and foothill grassland. Breeds in grasslands with scattered trees, juniper-sage flats, riparian areas, savannahs, and agricultural or ranch lands with groves or lines of trees. Requires adjacent suitable foraging areas such	*Not expected to occur.* Suitable habitat is not present within the project site.

Species	Federal Status[1]	State Status[1]	Other Status	Habitat	Potential for Occurrence
				as grasslands, or alfalfa or grain fields supporting rodent populations.	
coastal cactus wren *Campylorhynchus brunneicapillus sandiegensis*	—	—	CDFW SSC, USFWS BCC, MSCP Covered Species	Coastal scrub. Southern California coastal sage scrub. Wrens require tall opuntia cactus for nesting and roosting.	*Not expected to occur.* Suitable habitat is not present within the project site.
western snowy plover *Charadrius nivosus nivosus*	FT	—	CDFW SSC, MSCP Covered Species	Great Basin standing waters, sand shore, wetland. Sandy beaches, salt pond levees and shores of large alkali lakes. Needs sandy, gravelly or friable soils for nesting.	*Not expected to occur.* Suitable nesting and foraging habitat is not present within the project site (all developed or deep water habitats with no sandy beach or natural shoreline land covers).
northern harrier *Circus hudsonius*	—	—	CDFW SSC, USFWS BCC, MSCP Covered Species	Coastal scrub, Great Basin grassland, marsh and swamp, riparian scrub, valley and foothill grassland, wetland. Coastal salt and freshwater marsh. Nest and forage in grasslands, from salt grass in desert sink to mountain cienagas. Nests on ground in shrubby vegetation, usually at marsh edge; nest built of a large mound of sticks in wet areas.	*Not expected to occur.* Suitable habitat is not present within the project site.
western yellow-billed cuckoo *Coccyzus americanus occidentalis*	FT	SE	—	Riparian forest. Riparian forest nester, along the broad, lower flood-bottoms of larger river systems. Nests in riparian jungles of willow, often mixed with cottonwoods, with lower story of blackberry, nettles, or wild grape.	*Not expected to occur.* Suitable habitat is not present within the project site.
yellow rail *Coturnicops noveboracensis*	—	—	CDFW SSC, USFWS BCC	Freshwater marsh, meadow and seep. Summer resident in eastern Sierra Nevada in Mono County. Freshwater marshlands.	*Not expected to occur.* Suitable habitat is not present within the project site.
American peregrine falcon *Falco peregrinus anatum*	Delisted	Delisted	MSCP Covered Species	Near wetlands, lakes, rivers, or other water; on cliffs, banks, dunes, mounds; also, human-made structures. Nest consists of a scrape or a depression or ledge in an open site.	*Not expected to occur.* Suitable habitat is not present within the project site.
least bittern *Ixobrychus exilis*	—	—	CDFW SSC	Marsh and swamp, wetland. Colonial nester in marshlands and borders of ponds and reservoirs which provide ample cover. Nests usually placed low in tules, over water.	*Not expected to occur.* Suitable habitat is not present within the project site.
California black rail *Laterallus jamaicensis coturniculus*	—	ST	CDFW FP	Brackish marsh, freshwater marsh, marsh and swamp, salt marsh, wetland. Inhabits freshwater marshes, wet meadows and shallow margins of saltwater marshes bordering larger bays. Needs water depths of about 1 inch that do not fluctuate during the year and dense vegetation for nesting habitat.	*Not expected to occur.* Suitable habitat is not present within the project site.
Belding's savannah sparrow *Passerculus sandwichensis beldingi*	—	SE	USFWS BCC, MSCP Covered Species	Marsh and swamp, wetland. Inhabits coastal salt marshes, from Santa Barbara south through San Diego County. Nests in Salicornia on and about margins of tidal flats.	*Not expected to occur.* Suitable habitat is not present within the project site.

Species	Federal Status[1]	State Status[1]	Other Status	Habitat	Potential for Occurrence
coastal California gnatcatcher *Polioptila californica californica*	FT	—	CDFW SSC, MSCP Covered Species	Coastal bluff scrub, coastal scrub. Obligate, permanent resident of coastal sage scrub below 2500 ft in Southern California. Low, coastal sage scrub in arid washes, on mesas and slopes. Not all areas classified as coastal sage scrub are occupied.	*Not expected to occur.* Suitable habitat is not present within the project site.
light-footed Ridgway's rail *Rallus obsoletus levipes*	FE	SE	CDFW FP	Marsh and swamp, salt marsh, wetland. Found in salt marshes traversed by tidal sloughs, where cordgrass and pickleweed are the dominant vegetation. Requires dense growth of either pickleweed or cordgrass for nesting or escape cover; feeds on molluscs and crustaceans.	*Not expected to occur.* Suitable habitat is not present within the project site.
yellow warbler *Setophaga petechia*	—	—	CDFW SSC	Riparian forest, riparian scrub, riparian woodland. Riparian plant associations in close proximity to water. Also nests in montane shrubbery in open conifer forests in Cascades and Sierra Nevada. Frequently found nesting and foraging in willow shrubs and thickets, and in other riparian plants including cottonwoods, sycamores, ash, and alders.	*Not expected to occur.* Suitable habitat is not present within the project site.
California least tern *Sternula antillarum browni*	FE	SE	CDFW FP, MSCP Covered Species	Alkali playa, wetland. Nests along the coast from San Francisco Bay south to northern Baja California. Colonial breeder on bare or sparsely vegetated, flat substrates: sand beaches, alkali flats, land fills, or paved areas.	*May occur.* Suitable foraging habitat is present for this species within the project site.
least Bell's vireo *Vireo bellii pusillus*	FE	SE	MSCP Covered Species	Riparian forest, riparian scrub, riparian woodland. Summer resident of Southern California in low riparian in vicinity of water or in dry river bottoms; below 2000 ft. Nests placed along margins of bushes or on twigs projecting into pathways, usually willow, Baccharis, mesquite.	*Not expected to occur.* Suitable habitat is not present within the project site.
Fish					
steelhead - southern California DPS *Oncorhynchus mykiss irideus* pop. 10	FE	SCE	—	Aquatic, south coast flowing waters. Federal listing refers to populations from Santa Maria River south to southern extent of range (San Mateo Creek in San Diego County). Southern steelhead likely have greater physiological tolerances to warmer water and more variable conditions.	*Not expected to occur.* Suitable habitat is not present within the project site. Nearest known occurrence of this species is located approximately 13 miles south of the project site.
Invertebrates					
Crotch's bumble bee *Bombus crotchii*	—	SCE	—	Coastal California east to the Sierra-Cascade crest and south into Mexico. Food plant genera include Antirrhinum, Phacelia, Clarkia, Dendromecon, Eschscholzia, and Eriogonum.	*Not expected to occur.* Suitable habitat is not present within the project site.
San Diego fairy shrimp *Branchinecta sandiegonensis*	FE	—	MSCP Covered Species	Chaparral, coastal scrub, vernal pool, wetland. Endemic to San Diego and Orange County mesas.	*Not expected to occur.* Suitable habitat is not present within the project site.

Species	Federal Status[1]	State Status[1]	Other Status	Habitat	Potential for Occurrence
monarch - California overwintering population *Danaus plexippus plexippus* pop. 1	FPT	—	—	Closed-cone coniferous forest. Winter roost sites extend along the coast from northern Mendocino to Baja California, Mexico. Roosts located in wind-protected tree groves (eucalyptus, Monterey pine, cypress), with nectar and water sources nearby.	*Not expected to occur.* Suitable habitat is not present within the project site.
Quino checkerspot butterfly *Euphydryas editha quino*	FE	—	—	Chaparral, coastal scrub. Sunny openings within chaparral and coastal sage shrublands in parts of Riverside and San Diego counties. Hills and mesas near the coast. Need high densities of food plants Plantago erecta, P. insularis, and Orthocarpus purpurescens.	*Not expected to occur.* Suitable habitat is not present within the project site.
Hermes copper butterfly *Lycaena hermes*	FT	—	—	Chaparral, coastal scrub. Found in southern mixed chaparral and coastal sage scrub at western edge of Laguna Mountains. Host plant is Rhamnus crocea. Although R. crocea is widespread throughout the coast range, Lycaena hermes is not.	*Not expected to occur.* Suitable habitat is not present within the project site.
wandering (=saltmarsh) skipper *Panoquina errans*	—	—	MSCP Covered Species	Marsh and swamp, wetland. Southern California coastal salt marshes. Requires moist saltgrass for larval development.	*Not expected to occur.* Suitable habitat is not present within the project site.
Riverside fairy shrimp *Streptocephalus woottoni*	FE	—	MSCP Covered Species	Coastal scrub, valley and foothill grassland, vernal pool, wetland. Endemic to Western Riverside, Orange, and San Diego counties in areas of tectonic swales/earth slump basins in grassland and coastal sage scrub. Inhabit seasonally astatic pools filled by winter/spring rains. Hatch in warm water later in the season.	*Not expected to occur.* Suitable habitat is not present within the project site.
Mammals					
pallid bat *Antrozous pallidus*	—	—	CDFW SSC	Chaparral, coastal scrub, desert wash, Great Basin grassland, Great Basin scrub, Mojavean desert scrub, riparian woodland, Sonoran desert scrub, upper montane coniferous forest, valley and foothill grassland. Deserts, grasslands, shrublands, woodlands and forests. Most common in open, dry habitats with rocky areas for roosting. Roosts must protect bats from high temperatures. Very sensitive to disturbance of roosting sites.	*Not expected to occur.* Suitable habitat is not present within the project site.
Guadalupe fur seal *Arctocephalus townsendi*	FT	ST	MMPA Protected, MMPA Depleted	Live in the waters off southern California and the Pacific coast of Mexico. During the breeding season, they are found in coastal rocky habitats and caves. Not common along the West Coast of the United States.	*Not expected to occur.* Suitable habitat is not present within the project site.
minke whale *Balaenoptera acutorostrata*	—	—	MMPA Protected	Prefer temperate to boreal waters but are also found in tropical and subtropical areas. They feed most often in cooler waters at higher latitudes and can be found in both coastal/inshore and oceanic/offshore areas.	*Not expected to occur.* Suitable habitat is not present within the project site.

Species	Federal Status[1]	State Status[1]	Other Status	Habitat	Potential for Occurrence
sei whale *Balaenoptera borealis*	FE	—	MMPA Protected, MMPA Depleted	Wide distribution and live in subtropical, temperate, and subpolar waters around the world. They prefer temperate waters in the mid-latitudes, and can be found in the Atlantic, Indian, and Pacific Oceans.	*Not expected to occur.* Suitable habitat is not present within the project site.
Bryde's whale *Balaenoptera edeni*	—	—	MMPA Protected	Wide distribution and occur in tropical, subtropical, and warm temperate waters (61° to 72°F) around the world. They live in all oceans from 40° south to 40° north.	*Not expected to occur.* Suitable habitat is not present within the project site.
blue whale *Balaenoptera musculus*	FE	—	MMPA Protected, MMPA Depleted	Found in all oceans except the Arctic. Along the West Coast of the United States, eastern North Pacific blue whales are believed to spend winters off of Mexico and Central America. They likely feed during summer off the U.S. West Coast and, to a lesser extent, in the Gulf of Alaska and central North Pacific waters.	*Not expected to occur.* Suitable habitat is not present within the project site.
fin whale *Balaenoptera physalus*	FE	—	MMPA Protected, MMPA Depleted	Fin whales are typically found in deep, offshore waters of all major oceans, primarily in temperate to polar latitudes. They are less common in the tropics.	*Not expected to occur.* The project site does not contain deep, offshore waters that support this species.
Baird's beaked whale *Berardius bairdii*	—	—	MMPA Protected	Prefer cold, deep, oceanic waters deeper than 3,300 feet but may occasionally be found near shore along narrow continental shelves. This species is often associated with steep underwater geologic structures, such as submarine canyons, seamounts, and continental slopes.	*Not expected to occur.* The project site does not contain cold, deep waters to support this species.
northern fur seal *Callorhinus ursinus*	—	—	MMPA Protected, MMPA depleted	Found in open ocean and rocky or sandy beaches on islands for resting, reproduction, and molting.	*Not expected to occur.* The project site does not contain open ocean or rocky/sandy beaches to support this species.
Mexican long-tongued bat *Choeronycteris mexicana*	—	—	CDFW SSC	Pinon and juniper woodlands, riparian scrub, Sonoran thorn woodland. Occasionally found in San Diego County, which is on the periphery of their range. Feeds on nectar and pollen of night-blooming succulents. Roosts in relatively well-lit caves, and in and around buildings.	*Not expected to occur.* Suitable habitat is not present within the project site.
long-beaked common dolphin *Delphinus capensis*	—	—	MMPA Protected	Prefer shallow, tropical, subtropical, and warmer temperate waters within 50 to 100 nautical miles of the coast and on the continental shelf, often in inshore waters. In U.S. waters, this species is only found along the west coast, and their distribution extends from Baja California, Mexico, northward to central California.	*May occur.* Suitable habitat is present within the project site.
short-beaked common dolphin *Delphinus delphis*	—	—	MMPA Protected	Prefer sub-tropical to temperate waters that are primarily offshore. They can be found along the continental slope in waters between approximately 300 to 6,500 feet deep. Often associated with underwater geologic features	*Not expected to occur.* Suitable habitat is not present within the project site. Preferred water depths

Species	Federal Status[1]	State Status[1]	Other Status	Habitat	Potential for Occurrence
				such as underwater ridges and seamounts where upwelling occurs, increasing nutrient concentrations and supporting higher productivity.	and geologic features not present.
gray whale *Eschrichtius robustus*	—	—	MMPA Protected	Found mainly in shallow coastal waters in the North Pacific Ocean. Most of the eastern North Pacific stock gray whales spend the summer feeding in the northern Bering and Chukchi seas, but some feed along the Pacific coast during the summer, in waters off of Southeast Alaska, British Columbia, Washington, Oregon, and northern California.	*Not expected to occur.* Suitable habitat is not present within the project site.
north pacific right whale *Eubalaena japonica*	FE	—	MMPA Protected, MMPA Depleted	Contemporary sightings of right whales have mostly occurred in the central North Pacific and Bering Sea. Sightings have been reported as far south as central Baja California in the eastern North Pacific.	*Not expected to occur.* Suitable habitat is not present within the project site.
spotted bat *Euderma maculatum*	—	—	CDFW SSC	Occupies a wide variety of habitats from arid deserts and grasslands through mixed conifer forests. Feeds over water and along washes. Feeds almost entirely on moths. Needs rock crevices in cliffs or caves for roosting.	*Not expected to occur.* Suitable habitat is not present within the project site.
Steller sea lion *Eumetopias jubatus*	Delisted	—	MMPA Protected, MMPA Depleted	Inhabit the colder temperate to subarctic waters of the North Pacific Ocean. They need both terrestrial and aquatic habitats. Distributed mainly around the coasts along the North Pacific Ocean rim from northern Hokkaido, Japan through the Kuril Islands and Sea of Okhotsk, the Aleutian Islands and Bering Sea, the southern coast of Alaska, and south to central California.	*Not expected to occur.* Suitable habitat is not present within the project site.
western mastiff bat *Eumops perotis californicus*	—	—	CDFW SSC	Chaparral, cismontane woodland, coastal scrub, valley and foothill grassland. Many open, semi-arid to arid habitats, including conifer and deciduous woodlands, coastal scrub, grasslands, chaparral, etc. Roosts in crevices in cliff faces, high buildings, trees and tunnels.	*Not expected to occur. r.* Suitable habitat is not present within the project site.
short-finned pilot whale *Globicephala macrorhyncus*	—	—	MMPA Protected	Prefer warmer tropical and temperate waters. They can be found at varying distances from shore but typically prefer deeper waters. Areas with a high density of squid are their main foraging habitats.	*Not expected to occur.* Suitable habitat is not present within the project site.
Risso's dolphin *Grampus griseus*	—	—	MMPA Protected	Found worldwide in temperate, subtropical, and tropical oceans and seas from latitudes 64° North to 46° South. Their preferred habitats appear to be mid-temperate waters of the continental shelf and slope between 30° and 45° latitude. They prefer areas of deeper waters (3,300 feet) with steep bottom topography, but they are known to inhabit shallow coastal areas as well.	*Not expected to occur.* Suitable habitat is not present within the project site.

Species	Federal Status[1]	State Status[1]	Other Status	Habitat	Potential for Occurrence
pygmy sperm whale *Kogia breviceps*	—	—	MMPA Protected	Live in tropical, subtropical, and temperate waters in oceans and seas around the world. They are most common off coasts and along continental shelves (the edges of continents lying under the ocean). In the United States, pygmy sperm whales live off the coasts of Hawai'i, the Pacific Northwest, the North Atlantic, and the northern Gulf of America (formerly Gulf of Mexico). They may be most common off the southeastern coasts.	*Not expected to occur.* Suitable habitat is not present within the project site.
dwarf sperm whale *Kogia sima*	—	—	MMPA Protected	Dwarf sperm whales live in temperate and tropical seas around the world. In the United States, dwarf sperm whales live in the waters of Hawai'i, the Pacific Northwest and California, the western North Atlantic, and the northern Gulf of America (formerly Gulf of Mexico).	*Not expected to occur.* Suitable habitat is not present within the project site.
pacific white-sided dolphin *Lagenorhynchus obliquidens*	—	—	MMPA Protected	Live in the open ocean and nearshore waters, but are unlikely to be found close to shore. They live in the temperate waters of the North Pacific Ocean. In the United States, they are found off the coast of California, Oregon, Washington, and Alaska.	*Not expected to occur.* This species is not likely to be found close to shore.
western red bat *Lasiurus frantzii*	—	—	CDFW SSC	Cismontane woodland, lower montane coniferous forest, riparian forest, riparian woodland. Roosts primarily in trees, 2-40 ft above ground, from sea level up through mixed conifer forests. Prefers habitat edges and mosaics with trees that are protected from above and open below with open areas for foraging.	*Not expected to occur.* Suitable habitat is not present within the project site.
western yellow bat *Lasiurus xanthinus*	—	—	CDFW SSC	Desert wash. Found in valley foothill riparian, desert riparian, desert wash, and palm oasis habitats. Roosts in trees, particularly palms. Forages over water and among trees.	*Not expected to occur.* Suitable habitat is not present within the project site.
northern right whale dolphin *Lissodelphis borealis*	—	—	MMPA Protected	Deep, cold and warm temperate waters from the outer continental shelf to oceanic regions throughout the North Pacific Ocean, between 30° north and 50° North. Their range includes the waters of western North America (northern Baja California to the Gulf of Alaska), Russia (Kamchatka), and Japan. May occur in deep water close to the coast where there are submarine canyons and other features.	*Not expected to occur.* Suitable habitat is not present within the project site.
humpback whale *Megaptera novaeangliae*	FE (Central America DPS, Western North Pacific DPS); FT	—	MMPA Protected, MMPA Depleted (Western North Pacific stock, Central America/Southern Mexico-California-	Live throughout the world's major oceans. While calving, they prefer shallow, warm waters commonly near offshore reef systems or shores. Humpback whale feeding grounds are generally in cold, productive waters.	*Not expected to occur.* Suitable habitat is not present within the project site.

Species	Federal Status[1]	State Status[1]	Other Status	Habitat	Potential for Occurrence
	(Mexico DPS)		Oregon-Washington stock, Mainland Mexico-California-Oregon-Washington stock)		
Blainville's beaked whale *Mesoplodon densirostris*	—	—	MMPA Protected	Lives in tropical to temperate waters worldwide. It is typically found in deep, offshore waters (656 to 3,281 feet) off the continental shelf and often associated with steep underwater geological structures, such as banks, submarine canyons, seamounts, and continental slopes.	*Not expected to occur.* Suitable habitat is not present within the project site.
Stejneger's beaked whale *Mesoplodon stejnegeri*	—	—	MMPA Protected	Prefer the cold, temperate, and subarctic waters of the North Pacific Ocean. They are generally found in deep, offshore waters between 2,500 and 5,000 feet on or beyond the continental slope. Distribution throughout the North Pacific that includes California, the Aleutian Islands, the southwest Bering Sea, Kamchatka, the Okhotsk Sea, and the Sea of Japan.	*Not expected to occur.* Suitable habitat is not present within the project site.
northern elephant seal *Mirounga angustirostris*	—	—	MMPA Protected	Found in the eastern and central North Pacific Ocean. Typically breed and give birth in the Channel Islands off California or Baja California in Mexico, primarily on offshore islands from December to March.	*Not expected to occur.* Suitable habitat is not present within the project site.
San Diego desert woodrat *Neotoma lepida intermedia*	—	—	CDFW SSC	Coastal scrub. Coastal scrub of Southern California from San Diego County to San Luis Obispo County. Moderate to dense canopies preferred. They are particularly abundant in rock outcrops, rocky cliffs, and slopes.	*Not expected to occur.* Suitable habitat is not present within the project site.
pocketed free-tailed bat *Nyctinomops femorosaccus*	—	—	CDFW SSC	Joshua tree woodland, pinon and juniper woodland, riparian scrub, Sonoran desert scrub. Variety of arid areas in Southern California; pine-juniper woodlands, desert scrub, palm oasis, desert wash, desert riparian, etc. Rocky areas with high cliffs.	*Not expected to occur.* Suitable habitat is not present within the project site.
big free-tailed bat *Nyctinomops macrotis*	—	—	CDFW SSC	Low-lying arid areas in Southern California. Need high cliffs or rocky outcrops for roosting sites. Feeds principally on large moths.	*Not expected to occur.* Suitable habitat is not present within the project site. The nearest known occurrence of this species is located approximately 3.4 miles east of the project site.
killer whale *Orcinus orca*	—	—	MMPA Protected	Killer whales are found in all oceans. While they are most abundant in colder waters like Antarctica, Norway, and Alaska, they are also found in tropical and subtropical waters. Resident killer whales have been seen from California to Russia. Offshore killer whales have	*Not expected to occur.* Suitable habitat is not present within the project site.

Species	Federal Status[1]	State Status[1]	Other Status	Habitat	Potential for Occurrence
				the largest range of any community, and often occur more than 9 miles offshore. They are not, however, exclusively "offshore", as they are sometimes seen in coastal nearshore waters.	
melon-headed whale *Peponocephala electra*	—	—	MMPA Protected	Found primarily in deep waters throughout tropical areas of the world. In the United States, there are four distinct populations.	*Not expected to occur.* Suitable habitat is not present within the project site.
Pacific pocket mouse *Perognathus longimembris pacificus*	FE	—	CDFW SSC	Coastal scrub. Inhabits the narrow coastal plains from the Mexican border north to El Segundo, Los Angeles County. May prefer soils of fine alluvial sands near the ocean.	*Not expected to occur.* Suitable habitat is not present within the project site.
harbor seal *Phoca vitulina*	—	—	MMPA Protected	Live in temperate coastal habitats along the northern coasts of North America, Europe, and Asia, occurring as far north as 78° N. They occur in the U.S. East and West coasts.	*Not expected to occur.* This species is highly sensitive to disturbance and is not likely to occur within San Diego Bay.
harbor porpoise *Phocoena phocoena*	—	—	MMPA Protected	Live in northern temperate and subarctic, and Arctic coastal and offshore waters. They are commonly found in bays, estuaries, harbors, and fjords less than 650 feet deep. In the North Pacific, they are found from Japan north to the Chukchi Sea and from Point Conception off central California north to the Beaufort Sea.	*Not expected to occur.* Suitable habitat is not present within the project site.
Dall's porpoise *Phocoenoides dalli*	—	—	MMPA Protected	Common in the North Pacific Ocean and found off the US West Coast from California to the Bering Sea in Alaska. Prefers temperate to boreal waters that are more than 600 feet deep and with temperatures between 36° Fahrenheit and 63° Fahrenheit.	*Not expected to occur.* Suitable habitat is not present within the project site.
sperm whale *Physeter macrocephalus*	FE	—	MMPA Protected, MMPA Depleted	Found in all deep oceans from the equator to the edge of the icepack in the Arctic and Antarctic.	*Not expected to occur.* Suitable deep-water habitat is not present within the project site.
false killer whale *Pseudorca crassidens*	—	—	MMPA Protected, MMPA Depleted	Found globally in tropical, subtropical, and temperate waters that are deeper than 3,300 feet.	*Not expected to occur.* Suitable deep-water habitat is not present within the project site.
striped dolphin *Stenella coeruleoalba*	—	—	MMPA Protected	Prefer deep tropical to warm temperate oceanic, deep waters, and are attracted to upwelling areas, where deep, cold, nutrient-rich water rises towards the surface, and in convergence zones, where ocean currents meet.	*Not expected to occur.* Suitable deep oceanic waters are not present within the project site.
spinner dolphin *Stenella longirostris*	—	—	MMPA Protected, MMPA Depleted	Found in the Pacific, Atlantic, and Indian Oceans, as well as the Persian Gulf and Red Sea. Mostly found in deep offshore waters, although they can be observed around oceanic islands or other coastlines where there is deeper water near the coast (IUCN, 2018).	*Not expected to occur.* The project site is not within the known range of this species.

Species	Federal Status[1]	State Status[1]	Other Status	Habitat	Potential for Occurrence
rough-toothed dolphin *Steno bredanensis*	—	—	MMPA Protected	Found in deep oceanic waters throughout tropical and warmer temperate areas of the world.	*Not expected to occur.* Suitable deep water habitat is not present within the project site.
American badger *Taxidea taxus*	—	—	MSCP Covered Species	Most abundant in drier open stages of most shrub, forest, and herbaceous habitats, with friable soils. Needs sufficient food, friable soils and open, uncultivated ground. Preys on burrowing rodents. Digs burrows.	*Not expected to occur.* Suitable habitat is not present within the project site.
common bottlenose dolphin *Tursiops truncatus*	—	—	MMPA Protected	Found in temperate and tropical waters around the world. Inhabit a wide variety of habitats including harbors, bays, gulfs, and estuaries, as well as nearshore coastal waters, deeper waters over the continental shelf, and far offshore in the open ocean. Feeds on fish, squid, and crustaceans.	*May occur.* Suitable habitat for this species is present within the project site.
California sea lion *Zalophus californianus*	—	—	MMPA Protected	Found in shallow waters of the eastern North Pacific Ocean. Prefers sandy beaches or rocky coves for breeding and haul-out sites. May also haul out on marina docks as well as jetties and buoys. Feed mainly offshore in coastal areas and eat a variety of prey including squid, anchovies, mackerel, rockfish, and sardines. May also take fish from commercial fishing gear, sport fishing lines, and fish passage facilities at dams and rivers.	*May occur.* Suitable habitat is present for this species within the project site.
Cuvier's beaked whale *Ziphius cavirostris*	—	—	MMPA Protected	Found in temperate, subtropical, and tropical waters. Prefer deep pelagic waters (usually greater than 3,300 feet) of the continental slope and edge, as well as around steep underwater geological features like banks, seamounts, and submarine canyons. Favor oceanographic features such as currents, current boundaries, and core ring features.	*Not expected to occur.* Suitable deepwater habitat for this species is not present within the project site.

Notes: CEQA = California Environmental Quality Act; CNDDB = California Natural Diversity Database; DPS = distinct population segment; ESU = evolutionarily significant unit; ssp. = subspecies.

[1] Legal Status Definitions

Federal:
FE Endangered (legally protected)
FT Threatened (legally protected)
FP Federally proposed for listing (no formal protection other than CEQA consideration)
FC Federal candidate for listing (no formal protection other than CEQA consideration)
FD Federally delisted

State:
SE Endangered (legally protected)
ST Threatened (legally protected)
SC State candidate for listing (legally protected)
SD State delisted

Other:

CDFW FP Fully protected (legally protected)
CDFW SSC Species of special concern (no formal protection other than CEQA consideration)

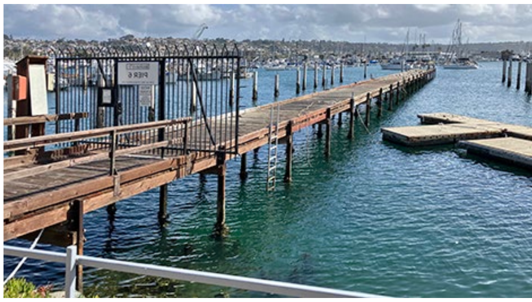
2 Potential to Occur Definitions

Present	Species has been observed within the project site during surveys and it could be impacted by project activities.
May Occur	Species has not been observed within the project site. Suitable habitat for the species is present and it may occur within the project site; therefore, the species could be impacted by project activities.
Not Expected to Occur	Species has not been observed within the project site. Suitable habitat for the species is not present within the project site and the species is not expected to occur; therefore, the species would not be impacted by project activities. Sources:

CDFW 2025; NOAA 2025b; IUCN 2018.

Appendix H

Historical Resources Evaluation Report



Historical Resources Evaluation Report for the

Shelter Island Commercial Fishing Wharf Project

Prepared for:

PORT of SAN DIEGO
Waterfront of Opportunity

San Diego Unified Port District

March 2025

Historical Resources Evaluation Report for the

Shelter Island Commercial Fishing Wharf Project

Prepared for:

San Diego Unified Port District
3165 Pacific Highway
San Diego, CA 92101

Contact:

Lily Tsukayama
Program Manager
ltsukayama@portofsandiego.org

Prepared by:

Ascent
2550 Fifth Avenue, Suite 640
San Diego, CA 92103

Contact:

Amber Engle Grady
Senior Architectural Historian
916.306.2643

March 2025

20200051.17

TABLE OF CONTENTS

Appendices

Figures

Tables

LIST OF ABBREVIATIONS

CEQA	California Environmental Quality Act
CRHR	California Register of Historical Resources
District	San Diego Unified Port District
Driscoll's	Driscoll's Wharf
NRHP	National Register of Historic Places
SCIC	South Coastal Information Center
WFOA	Western Fishboat Owners Association
WPA	Works Progress Administration

EXECUTIVE SUMMARY

PURPOSE AND SCOPE

The San Diego Unified Port District (District) retained Ascent Environmental (Ascent) to complete a Historical Resources Assessment Report for the Shelter Island Commercial Fishing Wharf Project, in San Diego. The District is the lead agency under the California Environmental Quality Act (CEQA). The services provided included a historical resources literature search, intensive pedestrian survey of the project site, an evaluation of potential historical resources, and a potential impact assessment. This study was completed in compliance with CEQA guidelines, California Code of Regulations, Title 14, Section 15064.5.

FINDINGS OF THE INVESTIGATION

The California Historical Resources Information System records search at the South Coastal Information Center (SCIC) indicated that three prior cultural resource studies have been completed within a portion of the project site, and 31 additional studies have been completed outside the project site but within the 0.5-mile record search radius. The record search also indicated that no cultural resources have been previously recorded within the project site, but that nine have been recorded within the 0.5-mile search radius.

A pedestrian survey of the project site was conducted on February 18, 2025, by Alta Cunningham, M.A. The entire project site was surveyed with three buildings and five piers recorded. Examination of historical aerial imagery and mapping revealed that the three buildings were not historic-age; however, the five piers were constructed c.1953. Therefore, the Driscoll's Wharf site was recorded and evaluated as a potential historical resource for the purposes CEQA. An archaeological investigation was not part of this effort.

ASSESSMENT CONCLUSION AND RECOMMENDATIONS

No historical resources were identified within the project site as a result of the background research and pedestrian survey. No further investigation is recommended.

DISPOSITION OF DATA

This report will be filed with the District, the SCIC at California State University, San Diego, and the Ascent office in Sacramento. All field notes and other documentation related to the study are on file at the Sacramento office of Ascent.

PERSONNEL QUALIFICATIONS

Alta Cunningham has over 20 years of experience in the environmental consulting field. Her experience as an architectural historian includes archival research, historic building and structure surveys and evaluations, evaluating project for consistency with the Secretary of the Interior's Standards, and cultural resources documentation for NEPA and CEQA projects ranging from single building evaluations to district-wide surveys for CEQA, PRC 5024, and Section 106 compliance documents. Alta has completed evaluations for higher education facilities, California's correctional facilities, pre- and post-World War II residential and commercial buildings, agricultural properties, and water conveyance systems. Alta received her Bachelor of Science in History from the University of California, Davis, and a Master of Arts in Historic Preservation from the Savannah College of Art and Design. She meets the Secretary of the Interior's Professional Qualification Standards for architectural history and history.

Amber Engle Grady has over 25 years of environmental compliance and cultural resource management experience in California, Oregon, Washington, and Nevada. Her experience as an architectural historian includes archival research, historic building and structure surveys and evaluations, evaluating project for consistency with the Secretary of the Interior's Standards, and cultural resources documentation for National Environmental Protection Act and CEQA projects ranging from single building evaluations to district-wide surveys for CEQA, NEPA, PRC 5024, and Section 106 compliance documents. Amber has completed evaluations for residential and industrial buildings; linear features such water conveyance, electrical conveyance, and railroad systems; and landscapes such as public parks. Amber received her Master of Arts in Historic Preservation from the Savannah College of Art and Design. She meets the Secretary of the Interior's Professional Qualification Standards for architectural history and history.

1 INTRODUCTION

The District retained Ascent to complete a Historical Resources Assessment Report for the Shelter Island Commercial Fishing Wharf Project, in San Diego. The District is the lead agency under CEQA.

Ascent completed this report in compliance with the CEQA Section 21083.2 of the statute and Section 15064.5 of the CEQA Guidelines. This report details the methods and results of the study, which consisted of an archival document review, intensive pedestrian field survey, and a potential impact assessment.

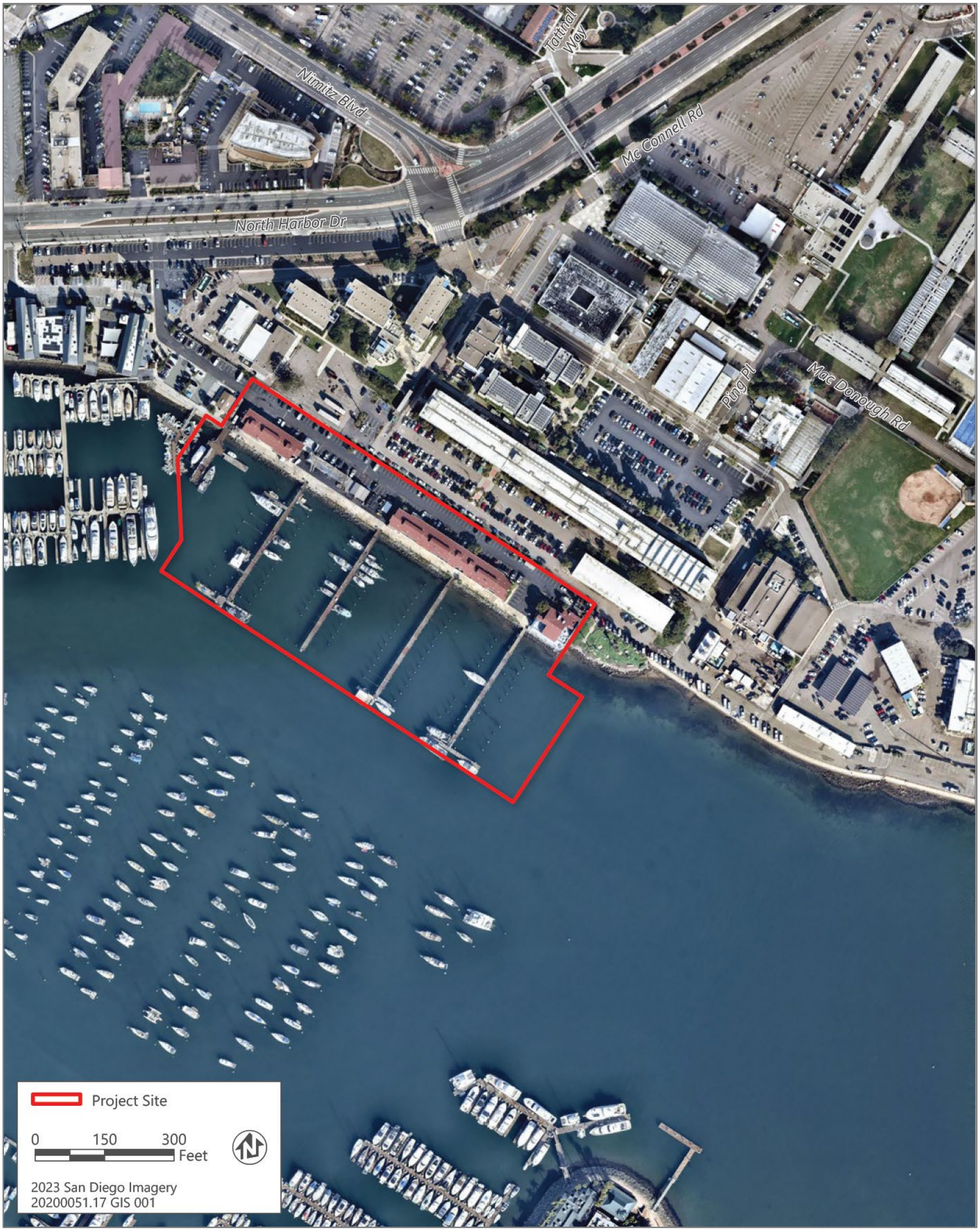
1.1 PROJECT LOCATION AND DESCRIPTION

The project site is within the existing Driscoll's Wharf leasehold, located on District property, at 4918 North Harbor Drive in San Diego, California (Figure 1-1) (Assessor's Parcel Number 760-004-42-00). The leasehold encompasses 2.9 acres of landside area, and 5.7 acres of water-side area. The project site also includes an additional approximately 0.7-acre area where the floating wave attenuator is proposed. The proposed demolition activities would occur within the waterside area of the leasehold, as well as approximately 0.4-acre of the landside of the leasehold (Figure 1-2).

The proposed project is the modernization of the existing commercial fishing marina at the existing Driscoll's Wharf (Driscoll's) leasehold area. Proposed actions would include a tenant (Driscoll Marina Ltd.) sponsored demolition component, which is a condition of the lease, and a District sponsored waterside development component. The demolition component would remove Piers 4, 5, 6, 7, and 8; demolish Building E and a small hazardous material storage shed; and remove all soil, groundwater, and sediment contaminants from the leased premises. The District proposes to reconstruct and operate Piers 4, 5, 6, 7, and 8, which would also include new gangways, headwalks connecting piers, and a floating wave attenuator to the east of the existing leasehold. Coastal Development Permits are required to implement the proposed project.

Source: Adapted by Ascent in 2021.

Figure 1-1 Regional Location



Source: Adapted by Ascent in 2021.

Figure 1-2 Project Location and Limits

1.2 REGULATORY CONTEXT

1.2.1 Federal

NATIONAL REGISTER OF HISTORIC PLACES

The National Register of Historic Places (NRHP) is the nation's master inventory of known historic properties. It is administered by the National Park Service and includes listings of buildings, structures, sites, objects, and districts that possess historic, architectural, engineering, archaeological, or cultural significance at the national, state, or local level.

The formal criteria (36 CFR 60.4) for determining NRHP eligibility are as follows:

1. The property is at least 50 years old (however, properties under 50 years of age that are of exceptional importance or are contributors to a district can also be included in the NRHP);
2. It retains integrity of location, design, setting, materials, workmanship, feeling, and associations; and
3. It possesses at least one of the following characteristics:

   Criterion A Is associated with events that have made a significant contribution to the broad patterns of history (events).

   Criterion B Is associated with the lives of persons significant in the past (persons).

   Criterion C Embodies the distinctive characteristics of a type, period, or method of construction, or represents the work of a master, or possesses high artistic values, or represents a significant, distinguishable entity whose components may lack individual distinction (architecture).

   Criterion D Has yielded, or may be likely to yield, information important in prehistory or history (information potential).

For a property to retain and convey historic integrity, it must possess most of the seven aspects of integrity: location, design, setting, materials, workmanship, feeling, and association. Location is the place where the historic property was constructed or the place where a historic event occurred. Integrity of location refers to whether the property has been moved since its construction. Design is the combination of elements that create the form, plan, space, structure, and style of a property. Setting is the physical environment of a historic property that illustrates the character of the place. Materials are the physical elements that were combined or deposited during a particular period and in a particular pattern or configuration to form a historic property. Workmanship is the physical evidence of the crafts of a particular culture or people during any given period in history or prehistory. Feeling is a property's expression of the aesthetic or historic sense of a particular period. This intangible quality is evoked by physical features that reflect a sense of a past time and place. Association is the direct link between the important historic event or person and a historic property. Continuation of historic use and occupation help maintain integrity of association.

Listing in the NRHP does not entail specific protection or assistance for a property, but it does guarantee consideration in planning for federal or federally assisted projects, eligibility for federal tax benefits, and qualification for federal historic preservation assistance. In addition, project effects on properties listed in the NRHP must be evaluated under CEQA.

1.2.2 California Register of Historical Resources

All properties in California that are listed in or formally determined eligible for listing in the NRHP are eligible for listing in the California Register of Historical Resources (CRHR). The CRHR is a listing of State of California resources that are significant in the context of California's history. It is a Statewide program with a scope and with criteria for inclusion similar to those used for the National Register of Historic Places. In addition, properties designated under municipal, or county ordinances are also eligible for listing in the CRHR. A historical resource must be significant at the local, state, or national level under one or more of the criteria defined in the California Code of Regulations Title 15, Chapter 11.5, Section 4850 to be included in the CRHR. The CRHR criteria are tied to CEQA because any resource that meets the criteria below is considered a significant historical resource under CEQA.

The CRHR uses four evaluation criteria for significance:

Criterion 1. Is associated with events that have made a significant contribution to the broad patterns of local or regional history, or the cultural heritage of California or the United States.

Criterion 2. Is associated with the lives of persons important to local, California, or national history.

Criterion 3. Embodies the distinctive characteristics of a type, period, region, or method of construction; represents the work of a master; or possesses high artistic values.

Criterion 4. Has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California, or the nation.

CALIFORNIA ENVIRONMENTAL QUALITY ACT

CEQA requires public agencies to consider the effects of their actions on “historical resources”. Pursuant to PRC Section 21084.1, a “project that may cause a substantial adverse change in the significance of an historical resource is a project that may have a significant effect on the environment.”

Historical Resources

“Historical resource” is a term with a defined statutory meaning (PRC Section 21084.1; State CEQA Guidelines Sections 15064.5[a] and [b]). Under State CEQA Guidelines Section 15064.5(a), historical resources include the following:

1) A resource listed in, or determined to be eligible by the State Historical Resources Commission for listing in, the CRHR is considered a historical resource (PRC Section 5024.1).

2) A resource included in a local register of historical resources, as defined in PRC Section 5020.1(k) or identified as significant in a historical resource survey meeting the requirements of PRC Section 5024.1(g), will be presumed to be historically or culturally significant. Public agencies must treat any such resource as significant unless the preponderance of evidence demonstrates that it is not historically or culturally significant.

3) Any object, building, structure, site, area, place, record, or manuscript that a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California may be considered to be a historical resource, provided the lead agency’s determination is supported by substantial evidence in light of the whole record. Generally, a resource will be considered by the lead agency to be historically significant if the resource meets the criteria for listing in the CRHR (PRC Section 5024.1).

4) The fact that a resource is not listed in or determined to be eligible for listing in the CRHR, not included in a local register of historical resources (pursuant to PRC Section 5020.1[k]), or not identified in a historical resources survey (meeting the criteria in PRC Section 5024.1[g]) does not preclude a lead agency from determining that the resource may be a historical resource as defined in PRC Sections 5020.1(j) or 5024.1.

1.2.3 City of San Diego

MUNICIPAL CODE

City of San Diego Municipal Code Chapters 11, 12 and 14 of the Municipal Code establish the Historical Resources Board authority, appointment and terms, meeting conduct, and powers and duties; the designation process including the nomination process, noticing and report requirements, appeals, recordation, amendments or recission, and nomination of historical resources to state and national registers; and development regulations for historical resources.

SAN DIEGO REGISTER OF HISTORICAL RESOURCES

Any improvement, building, structure, sign, interior element and fixture, feature, site, place, district, area, or object may be designated a historical resource by the City's Historical Resources Board if it meets one or more of the following designation criteria:

A. Exemplifies or reflects special elements of the City's, a community's, or a neighborhood's, historical, archaeological, cultural, social, economic, political, aesthetic, engineering, landscaping, or architectural development.

B. Is identified with persons or events significant in local, state or national history.

C. Embodies distinctive characteristics of a style, type, period, or method of construction or is a valuable example of the use of indigenous materials or craftsmanship.

D. Is representative of the notable work of a master builder, designer, architect, engineer, landscape architect, interior designer, artist, or craftsman.

E. Is listed or has been determined eligible by the National Park Service for listing on the National Register of Historic Places or is listed or has been determined eligible by the State Historical Preservation Office for listing on the State Register of Historical Resources.

F. Is a finite group of resources related to one another in a clearly distinguishable way; or is a geographically definable area or neighborhood containing improvements which have a special character, historical interest or aesthetic value; or which represent one or more architectural periods or styles in the history and development of the City.

CERTIFIED LOCAL GOVERNMENT

The City became a Certified Local Government in 1986 the requirements of which include:

- Enforce appropriate state and local laws and regulations for the designation and protection of historic properties, including adoption of a historic preservation plan or inclusion of a historic preservation element in the General Plan;
- Establish a historic preservation review commission by local ordinance;
- Maintain a system for the survey and inventory of historic properties;
- Provide for public participation in the local preservation program; and
- Satisfactorily perform responsibilities delegated to it by the state.

GENERAL PLAN

Historic Preservation Element

The purpose of the Historic Preservation Element is to "guide the preservation, protection, restoration, and rehabilitation of historical and cultural resources and maintain a sense of the City" (City of San Diego 2024). None of the goals or policies of the Historic Preservation Element are applicable because no historical resources were identified on the project site.

2 RECORDS SEARCHES AND CONSULTATION

2.1 RECORDS SEARCH

On October 7, 2025, a search of records of the project site and a 0.5-mile radius around the project site was conducted at the SCIC, at California State University, San Diego (File No. 3748). The SCIC results are included as Appendix A.

The following information was reviewed:

- site records of previously recorded cultural resources,
- previous cultural studies,
- NRHP and CRHR listings,
- the California Historic Resources Inventory,
- Built Environment Resource Directory for San Diego County,
- Historical United States Geological Survey (USGS) topographic maps (1911, 1950, 1954, 1967), and
- General Land Office Plat maps (1865, 1866).

The records search identified no previously recorded resources within the project site, but nine resources have been previously recorded within a 0.5-mile radius. These nine resources include three built-environment features. Table 2-1 describes the previously recorded resources located within 0.5 miles of the project site. The search also found that three previous investigations included a portion of the project site, and 31 investigations have occurred within 0.5-mile. Table 2-2 lists the previously conducted studies within the project site and Table 2-3 lists the studies within the 0.5-mile radius.

Table 2-1 Previously Recorded Resources within 0.5-mile of Project Site

Primary/Trinomial Number	Name / ID	Age	Attribute Codes
P-37-028552	Midway Drive	Historic	
P-37-029411	1271 & 1273 Scott Street/2810 Carleton Street	Historic	
P-37-032122 / CA-SDI-020354	PL-S-2	Precontact, historic	AH04. Privies/dumps/trash scatters; AP15. Standing structures
P-37-032123 / CA-SDI-020355	PL-S-3	Precontact	AP15. Habitation debris
P-37-032126 / CA-SDI-020358	PLHD-3	Historic	AH04. Privies/dumps/trash scatters
P-37-032127 / CA-SDI-020359	PLHD-4	Historic	AH04. Privies/dumps/trash scatters
P-37-036032	Pacific Western Bank	Historic	HP06. 1-3 story commercial building
P-37-036172	Akin-Moore Anchorage Building / Fairline Yacht Sales & Brokerage	Historic	AH13. Wharfs; HP06. 1-3 story commercial building; HP39. Other
P-37-038580	2822-2832 Canon Street	Historic	HP06. 1-3 story commercial building

Source: Compiled by Ascent 2025.

Table 2-2 Reports Within Project Site

Report Number	Year	Author/Affiliation	Title	Percent of Project Site Investigated (Land / Overall Project Site
SD-03461	1998	Carolyn Kyle and Roxana L Phillips / Gallegos & Associates	Cultural Resource Constraint Study for the North Bay Redevelopment Project, City of San Diego, California	≤10% / ≤95%
SD-04618	1997	Rebecca Allen, Rebecca McCorkle-Apple, James Cleland, Christy Dolan, and Stephen Vanwormer / Kea Environmental, Inc.	Historic and Archaeological Resources Protection Plan for the Fleet Anti-Submarine Warfare Training Center, Pacific, San Diego, California	≤10% / ≤95%
SD-11460	2007	Seetha N. Reddy / Statistical Research, Inc.	A Programmatic Approach for National Register Eligibility Determinations of Prehistoric Sites within the Southern Coast Archaeological Region, California	≤40% / ≤ 10%

Source: Compiled by Ascent 2025.

Table 2-3 Reports Outside the Project Site, Within 0.5-Mile Radius

Report Number	Year	Author/Affiliation	Title
SD-02759	1992	Carolyn Kyle and Et Al / Gallegos & Associates	Cultural Resource Evaluation for the Eastbound Harbor Drive Flyover, San Diego, California
SD-02824	1992	City of San Diego Planning Department	Proposed Mitigated Negative Declaration for Group Job 612 the Installation of Sewer and Water Mains in Midway/Pacific Highway, San Diego, California
SD-02864	1994	City of San Diego	Negative Declaration: Sewer Pump Station No. 4, San Diego, Calif.
SD-02997	1995	Linda Roth and Judy Berryman / Roth and Berryman	Historic Properties Eligibility Study of Pier 9, Naval Training Center, San Diego, San Diego County
SD-03395	1998	Martin D. Rosen / Caltrans	Seismic Retrofit Programmatic Agreement for Garnet Ave, North Harbor Drive, West Mission Bay Drive
SD-03461	1998	Carolyn Kyle and Roxana L. Phillips / Gallegos & Associates	Cultural Resource Constraint Study for the North Bay Redevelopment Project City of San Diego, California
SD-03577	1999	Mary Robbins-Wade and Richard D. Shultz / Dietrich Corporation	Archaeological Monitoring for Sewer and Water Group Job 529 Point Loma, San Diego, California
SD-03732	1997	Mary Robbins-Wade / HPS Plumbing	Archaeological Monitoring for the Shelter Island Sewer Improvement Project, San Diego, California
SD-04523	1995	Kathleen Crawford and Richard Carrico / Ogden Environmental	Final Historic Properties Phase II Eligibility Study of the Naval Training Center, San Diego County, CA
SD-04618	1997	Rebecca Allen, Rebecca McCorkle-Apple, James Cleland, Christy Dolan, and Stephen Vanwormer	Historic and Archaeological Resources Protection Plan for the Fleet Anti-Submarine Warfare Training Center, Pacific, San Diego, California
SD-05966	2001	City of San Diego	Mitigated Negative Declaration for Sewer Group 634B
SD-06724	2000	Martin Rosen / Martin Rosen	Cultural Resources North Harbor Drive Bridge #57C-015
SD-07503	2002	Curt Duke / LSA Associates, Inc.	Cultural Resources Assessment Cingular Wireless Facility No. SD679-01 San Diego County, CA
SD-08199	2002	City of San Diego Development Services Department	Public Notice of a Proposed Mitigated Negative Declaration: Navel Training Center Park General Development Plan
SD-10683	2006	Brian F. Smith and Richard Greene / Brian F. Smith and Associates	Archaeological Assessment of the Kettenburg Marine Project, Application No. 200600554-RRS; APN 760-003-52-00
SD-11175	2007	Richard Greene and Brian F. Smith / Brian F. Smith and Associates	A Phase I Archaeological Assessment of the Wharf Project

Report Number	Year	Author/Affiliation	Title
SD-11460	2007	Seetha N. Reddy / Statistical Research, Inc.	A Programmatic Approach for National Register Eligibility Determinations of Prehistoric Sites within the Southern Coast Archaeological Region, California
SD-11511		various	Naval Training Station Historic District – Amendment to the National Register of Historic Places Registration Form
SD-11584	2007	Kathleen Crawford / Office of Marie Burke Lia	Historical Report – Point Loma Townhomes, Project No. 115083
SD-12080	2008	Ruth C. Alter / Archaeos	Cultural Resources Report for the Historical and Architectural Building Evaluation of 5055 N. Harbor Drive, San Diego, California 92106
SD-13126	2011	Larry J. Pierson / Brian F. Smith and Associates, Inc.	Archaeological Resource Report Form: Mitigation Monitoring of Sewer & Water Group 730 San Diego, California
SD-13427	2012	City of San Diego	Water and Sewer Group 930
SD-13466	2011	Jose Pepe Aguilar, Andrew R. Pigniolo, Alette Van Den Kazelkamp, and Carol Serr / Laguna Mountain Environmental, Inc.	Cultural Resources Testing at Sites CA-SDI-20354 and CA-SDI-20355 for the Point Loma Block 2J Utility Undergrounding Project Point Lona, City of San Diego, California
SD-13467	2011	Robert P. Case / Laguna Mountain Environmental, Inc.	Cultural Resource Monitoring Report for the Point Loma Block 2J Undergrounding Project, City of San Diego, California
SD-14964	2014	Kristina Davison and Mary Robbins-Wade / Affinis	Waterpoint – Point Loma Townhomes (Project No. 115083)- Cultural Resources Monitoring Letter Report (Affinis Job No. 2546)
SD-16158	2014	Robert P. Case / Laguna Mountain Environmental	Cultural Resource Monitoring Report for the Harbor Drive Pipeline Replacement Project (PTS No. 206100) City of San Diego, California
SD-16611	2015	Jennifer Gorman, Sarah Stinger-Bowsher, and Shannon Davis / ASM Affiliates	Final Historic Resource Evaluation Report of the Akin-Moore Anchorage Building 2353 Shelter Island Drive San Diego, San Diego County, California
SD-17759	2016	Heritage Architecture & Planning	2822-2832 Canon Street, San Diego, California 92106
SD-18231	2020	Alberto B. Foglia / Pangis, Inc.	ETS 42018: Archaeological Monitoring for Excess Flow Valve Installation and Gas Service Replacement at 3029 Hugo Street, San Diego, San Diego County, California
SD-18232	2020	Alberto B. Foglia / Pangis, Inc	ETS 42022: Archaeological Monitoring for Excess Flow Valve Installation and Gas Service Replacement at 3104 Hugo Street
SD-18292	1996	Brian K. Glenn and Joyce M. Clevenger / Ogden Environmental and Energy Services	Extended Phase I Historic Properties Inventory, Archaeological Survey and Assessment, Naval training Center, San Diego, CA

Source: Compiled by Ascent 2025.

2.2 OTHER SOURCES

Additional research included revies of historic USGS Topographic maps and aerials available on-line from Nationwide Environmental Title Research, LLC were also reviewed. Both historic USGS topographic maps from 1904 to 2021 and aerial images from 1953 to 2022 were reviewed (NETR 2025). Other documents examined included the San Diego Modernism Historic Context Statement (City of San Diego 2007).

2.3 FIELD METHODS

Field work for the project was conducted on February 18, 2025, by Ascent architectural historian Alta Cunningham M.A. All built environment features were photographed with a digital camera. The results of the surveys are detailed in Section 4.

3 HISTORIC SETTING

The subject property is in the southeastern portion of San Diego in the America's Cup Harbor adjacent to the Roseville-Fleet Ridge and La Playa areas.

3.1 SPANISH PERIOD (1769-1822)

Although Juan Cabrillo landed on Point Lona in 1542, the Spanish permanent settlement of Alta California began in 1769 with the founding of Mission San Diego de Alcala. The Spanish government sent an expedition of soldier, settlers, and missionaries to secure and occupy the northwestern border of what was then known as New Spain. They first camped on the shore near the area now known as Spanish Landing in downtown San Diego, just east of the project site; however, they later moved closer to the San Diego River in what is now known as Old Town. Shortly after 1800, soldiers and their families began moving away from the presidio down the hill near the San Diego River (City of San Diego 2007).

3.2 MEXICAN PERIOD (1822-1846)

In 1822, Mexico won its independence from Spain and San Diego became part of the Mexican Republic and California was opened up to foreign trade. Private land grants began being issued as early as the 1820s, which created the rancho system of large agricultural estates and in 1833 the Spanish missions were secularized. In 1835, Mexico granted San Diego official pueblo status; at this time the population was nearly 500 residents. The town and ship landing area became the centers of activity during this period (City of San Diego 2007).

3.3 EARLY AMERICAN PERIOD (1846-1914)

In July 1846, United States military forces occupied San Diego and America assumed formal control in January 1847 with the signing of the Treaty of Guadalupe-Hildalgo (City of San Diego 2007). San Diego County, one of the original 27 counties, was formally organized by the California State Legislature on February 18, 1850 (Gudde 1998). The city of San Diego has always been the county seat (Hoover 2002). County office elections were first held April 1, 1850. The town struggled to grow with the population dropping from 650 in 1850 to 539 in 1860. The urbanization of San Diego began in 1867 with land speculator Alonzo Horton's development of the 800 acres of what is now downtown; this shifted the focus away from what is now called Old Town. Horton gave away lots to anyone who would build a house worth $500 on it. The development centered on Fifth Avenue and Market Street and within the next five years 15 new subdivisions were laid out around Horton's Addition. In 1880, the construction of the Santa Fe Railroad began with the system operational in 1882. In the late 1800s and early 1900s, the Golden Hill, Uptown, Banker's Hill, and Sherman Heights area were developed, which resulted in many improvements including street cars, paving, electrical street lights, railways, and sewage systems. The continued improvement of public transportation allowed for growth to continue further and further away from the city center. In 1908, a comprehensive city plan, develop by John Nolen, was completed; however, it was blocked by the City Council (City of San Diego 2007).

3.4 20TH-CENTURY

The 1915 Panama-California Exposition took place in San Diego's Balboa Park and marked the beginning of the significant military presence in San Diego. The arrival of the Navy boosted the population and the economy. In the 1920s the population doubled from 74,683 to 147,897. The aerospace industry began in 1910 when Glenn Curtiss opened an aviation school on Coronado Island. T. Claude Ryan opened a flying service in 1922 that led to the opening of a manufacturing plant. This plant was responsible for designing several innovative aircrafts including the *Spirit of St. Louis* which was flown by Charles Lindbergh from New York to Paris in 1927. Perhaps the greatest boost to the aerospace industry was the establishment of Consolidated Aircraft, which was previously based in Buffalo, New York (City of San Diego 2007).

The financial blow of the Great Depression in the 1930s was softened due to the presence of the military industry and recovery was assisted by New Deal programs through the Works Progress Administration (WPA). Between 1935 and 1943 approximately 1/5th of the national labor force was working on WPA projects and the city of San Diego secured several projects. The projects were federally funded, but administered by local jurisdictions (City of San Diego 2007).

As early as 1941, freeway planning in San Diego began with the goal of providing access between downtown and the harbor, including Highway 395 (later renumbered to Highway 163) and the Coast Highway 101. The automobile grew in popularity and new roads were constructed throughout the United States which was funded by the Gasoline Tax. Legislation such as the Federal Aid Highway Act and the Interstate Highway Act supported the expansion and construction of the freeways and expressways in the 1950s (City of San Diego 2007).

3.4.1 Waterfront Development

The San Diego shoreline is occupied by a variety of uses including recreational and commercial sailing, commercial fishing, and military. Much of the coastline in the San Diego Bay was shaped by infill while the use of the bay was expanded by the dredging of the channel to allow larger ships access. In the early 1900s elected officials were working to convince the federal government that San Diego was a good location for military installations and by 1920 both the Naval Training Center and Marine Corps Recruiting Depot were built. The US Navy was the major driver in the development of the harbor in the 1902s as well (San Diego 2007).

Shelter Island was constructed in 1950 by the city of San Diego Port Authority using dredging materials. The tenants of Shelter Island consist mostly of private yachts, small boat slips, and fishing vessels. In 1961, the US Navy dredged a new channel to accommodate aircraft carriers in the harbor (Cardno, Inc. 2016). Shelter Island is on the opposite side of America’s Cup Bay from Driscoll’s Wharf, which is also constructed of fill.

COMMERCIAL FISHING INDUSTRY

The presence of a land locked harbor and the Mediterranean climate made San Diego ideal for commercial fishing. In the 1870s and 80s Italian immigrants, primarily from the Italian coastal region of Porticello and Riva Trigoso, began arriving in San Diego. Italian fisherman arrived between 1902 and 1906. The fisherman strung a net between two boats to capture fish. The fish were sold at the San Diego fish markets which were also often owned and operated by Italian families. The technique was so efficient that this spurred the development of the canning industry (Cardno, Inc. 2016).

Since 1889, a small Japanese fishing community has existing in San Diego (Estes 1982). By 1918 it was estimated by the Department of Commerce that 50 percent of the crews in San Diego were Japanese with 85 percent of the total annual catch (Estes 1978, Estes 1982). The success of M.K. Fishing Company which was headed by Kondo Masaharu and managed by Abe Tokunosuke is believed to be one reason why Japanese fisherman were drawn to San Diego. The Japanese are credited with introducing the bamboo pole to tuna fishing, the incorporation of lang range refrigerated boats, the use of live bait, or “chumming,” and barbless feathers hooks known as squids. After the bombing of Pearl Harbor, all persons of Japanese ancestry in San Diego County were arrested and shipped to Missoula, Montana were there were detained during World War II (Estes 1978).

In 1909, the first sardine cannery was opened. They fished for sardines and tuna (Cardno, Inc. 2016). “[A]t one time San Diego was known as “The Tuna Capital of the World” with two of the countries three biggest tuna canneries being based along its Bay.” Tuna Boat Basin is located adjacent to the G Street Mole, which is on the other side of the Bay to the east of the project site (Port of San Diego 2025).

“In 1920, 125 fishing boats operated out of San Diego Bay and California led the United States in fishing with 97,000 tons of fish caught” (Cardno, Inc. 2016). The mid-1920s brought new regulations with regards to fishing nets. In addition, to the new regulations, over-fishing and contaminated water slowed the fishing industry and the number of fisherman declined (Cardno, Inc. 2016).

In the 1960s almost 40,000 people caught, sold, or processed fish along the Bay making it the third largest industry in the city (Port of San Diego 2025). "Every major cannery, including Bumble Bee, was based here" (Johnson 2019). Tuna Boat pier was constructed in 1977 in Tuna Boat Basin and Fish Harbor Pier was constructed in 1980, approximately 2-1/2 and 3 miles southeast of the project site respectively (Port of San Diego 2025).

Tuna Harbor and Driscoll's Wharf are the two remaining commercial fishing spots along San Diego Bay. Commercial fishing spots have been replaced by cruise ships, yachts, recreational fishing boats and floating museums (Johnson 2019).

3.5 PROJECT SITE

Prior to 1942, the project site was underwater with the shoreline located approximately 2,000 feet to the northwest near present-day Rosencrans Street. By 1941, fill was moving the shoreline to the southeast, but the project site was still underwater. By 1953, the bay was filled to form the land in the project site which included the five piers in the water portion and a parking lot on the land portion. Between 1953 and 1964 additional fill was added to straighten out the shoreline (Kleinfelder 2022).

The project site currently consists of five fixed structure piers with a total of 120 slips and three commercial buildings. The piers (numbers 4 through 8) were constructed c1953; however, the three buildings that are currently present are not historic age. The three buildings are addresses as 4904, 4918, and 4922 North Harbor Drive while the whole project site has been previously addressed as 4900 North Harbor Drive. The buildings currently addressed as 4904 and 4918 North Harbor Drive were constructed c1985 and the building currently addressed as 4922 North Harbor Drive was constructed c1990 (Kleinfelder 2022).

Piers 5-8 were built at the same time and are of identical construction. These piers are used for small-craft commercial fishing vessels. Maintenance has been done over the years, including the repair/replacement of the decking, but no new piles have been constructed (Driscoll, pers. comm., 2025). Pier 4, although constructed at the same time, is shorter than Piers 5-8. In 1970, the dock was removed and extended and in 2010 it was resurfaced, a floating pier to the south was added, and the crane installed (Driscoll, pers. comm., 2025).

3.5.1 Occupants of Driscoll's Wharf

Driscoll's Wharf has been operated by the Driscoll family since 1992 (Driscoll's Wharf 2025). It is a "commercial fishing marina off San Diego Bay that provides berthing spaces, storage, and other serviced for commercial boats, crews, and their catches" (Driscoll's Inc 2025). Known occupants between 1955 and 1980 include (Kleinfelder 2022):

1955–1966 – San Diego Commercial Fishing Boat Owners Inc.,

1961–1970 – Ernest Lapacek,

1970 – Boat Landing Association,

1970 – San Diego Commercial Marina,

1970 – Western Fish Boat Owners,

1975 – San Diego Commercial Marina Boat Landing,

1980 – L&W Communication Co Supplies,

1980 – San Diego Commercial Marina Storage sales service and repair, and

1980 – Steve Skelley.

3.5.2 Operators of Driscoll's Wharf

WESTERN FISHBOAT OWNERS' ASSOCIATION

The Western Fishboat Owners Association (WFOA) is a non-profit group that represents albacore troll vessel owners and associated businesses in California, Oregon, Washington, Alaska, and Hawaii that advocates safe and sustainable fishing. Its members fish wild Pacific albacore along the U.S. West Coast from June through October and in the South Pacific from January through April. WFOA assists in the development of management strategies and serves on the Western and Central Pacific Fisheries Commission and the InterAmerican Tropica Tuna Commission. (WFOA 2025). The WFOA was a recognized fishery association in 1969-1970 with J.V. Shaw listed as the President and an address of 4904 N. Harbor Drive (NOAA 1971). WFOA owned and operated what is now known as Driscoll's Wharf for approximately 20 years (Driscoll, pers. comm., 2025).

DRISCOLL BOAT WORKS

Driscoll Boat Works was founded in 1947 with its first location, a boatyard, on Shelter Island, by brothers Harlan and Gerry Driscoll. John Gerald Driscoll III (a.k.a. Gerry) participated in six America's Cup races with his final one in 1974 as captain of the Intrepid. Gerry is also known for introducing the concept of year-round training for the event as opposed to the previous accepted norm of four to five months prior to the event. Driscoll Boat Works now includes four facilities: Mission Bay, Boatworks, Intrepid, and Driscoll's Wharf (Driscoll's Wharf 2025).

4 RESULTS

4.1 BACKGROUND RESEARCH RESULTS

The results of the SCIC record search found that no cultural resources have been previously identified within the project site and that nearly 100 percent of the land portion of the project site was previously surveyed.

Review of the United States Geologic Survey topographic maps from 1904 to 2021 and historic aerials from 1953 to 2022 revealed that the 3 buildings that are currently present are not historic age; however, the 5 piers appear to have been constructed c1953.

4.2 PEDESTRIAN SURVEY RESULTS

The entire project site was subjected to an intensive level built-environment survey on February 18, 2025. Figures 4-1 and 4-5 present overviews of the project site.

4.3 HISTORIC RESOURCE EVALUATION

To be considered eligible for listing in the NRHP/CRHR under Criterion A/1, a property must be associated with events that have made a significant contribution to the broad patterns of our nation's, California's, or local history. Driscoll's Wharf is associated with commercial fishing in San Diego, however, commercial fishing began in the area around 1900 and Driscoll's Wharf did not exist until c1953. There is no information in the archival record that indicates that the subject property is associated with events that have made a significant contribution to the history of commercial fishing; therefore, it does not appear to be eligible for the NRHP/CRHR under Criterion A/1.

To be considered eligible for listing in the NRHP/CRHR under Criterion B/2, a property must be associated with the lives of persons significant in our past. The Driscoll brothers, known locally for their contributions to the commercial fishing industry and America's Cup, are associated with the property, but not until 1992. Various companies and individuals have been associated with Driscoll Wharf, but historical research did not reveal specific, significant individuals that have direct important association with the subject property. Therefore, it does not appear to be eligible for the NRHP/CRHR under Criterion B/2.

Under NRHP/CRHR Criterion C/3, a property must embody distinctive characteristics of a type, period, or method of installation, or represent the work of a master, or possess high artistic values. The architect and/or builder of the property are unknown. The three buildings are not historic age and the five piers are of common construction with no distinct or innovative construction methods or architectural style. Therefore, the subject property does not appear to possess sufficient design or construction value to be eligible for the NRHP/CRHR under Criterion C/3.

Criterion D/4 generally applies to archaeological resources or other resources that through study of construction details can provide information that cannot be obtained in other ways. The buildings and piers on the subject property appear to be of common construction. The subject property does not appear to be significant under this criterion because it is not likely to yield any additional important information about our history.

4.3.1 Integrity Consideration

For a property to retain and convey historic integrity it must possess most of the seven aspects of integrity: location, design, setting, materials, workmanship, feeling, and association. The property appears to retain its integrity of location and association as the piers have not been moved since construction and their purpose remains the same. The setting of the immediate area has not significantly changed except for the addition of modern buildings in what was the parking lot. The piers appear to retain a moderate to high degree of integrity of design, materials, workmanship, and feeling based on the site visit observations and information gathered regarding the minor maintenance level modifications that have been done. However, modern buildings have replaced the parking lot modestly, reducing the integrity of the property overall. Eligibility for listing on the NRHP and the CRHR rests on twin factors of significance and integrity. A resource must have both significance and integrity to be considered eligible. Loss of integrity, if sufficiently great, will become more important than the historical significance a resource may possess and render it ineligible. Likewise, a resource can have complete integrity, but if it lacks significance, it must also be considered ineligible. In this case the subject property retains sufficient integrity; however, it is not significant under any of the four criteria and therefore does not appear eligible for listing in either the CRHR or NRHP.

Source: Ascent in 2025.

Overview of Driscoll's Wharf – Looking northwest from Pier 8.

Source: Ascent in 2025.

Overview of Driscoll's Wharf – Looking northwest from Pier 8.

Figure 5-1 Representative Photographs of Northwest Quadrant

Source: Ascent in 2025.

4922 N. Harbor Drive – northwest facade.

Source: Ascent in 2025.

4922 N. Harbor Drive – southwest façade (fronts bay).

Figure 5-2 Representative Photographs of Southeast Quadrant

Source: Ascent in 2025.

Pier 8 – looking southwest.

Source: Ascent in 2025.

Pier 7 – looking southwest.

Figure 5-3 Representative Photographs of Concrete Pad

Source: Ascent in 2025.

Pier 6 – looking southwest.

Source: Ascent in 2025.

Pier 5 – looking west.

Figure 5-4 Representative Site Photographs

Source: Ascent in 2025.

Pier 5 – looking southwest.

Source: Ascent in 2025.

Pier 4 / Offloading Pier – looking west.

Figure 5-5 Representative Site Photographs

5 CONCLUSIONS AND RECOMMENDATIONS

In accordance with CEQA (PRC 15064.5 and PRC 15126.4), the effects of the proposed project have been assessed as related to the built environment. Both the background research, which includes the SCIC record search and the pedestrian survey, failed to identify the presence of historical resources within the project site. As such, a finding of no impact to historical resources is recommended under CEQA. No further investigation is recommended.

6 REFERENCES

Cardno, Inc. 2016 (April). *Portside Pier Project, 1360 North Harbor Drive, San Diego Unified Port District: Historic Resource Evaluation Report*.

City of San Diego. 2007. *San Diego Modernism Historic Context Statement*.

———. 2024 (July). *Historic Preservation Element*. Available: https://www.sandiego.gov/sites/default/files/2024-07/general-plan_10_historic-preservation_july-2024.pdf. Accessed February 26, 2025.

Driscoll, Tom. President of Driscoll's Boat Works, San Diego, CA. February 18, 2025—in-person conversation with Alta Cunningham of Ascent regarding the historic of Driscoll's Wharf.

Driscoll's Wharf. 2025. Driscoll's Wharf: About. Available: https://driscollswharf.com/about/. Accessed: March 5, 2024.

Driscoll's Inc. 2025. Driscoll Inc: Our History. Available. https://driscollinc.com/history/. Accessed: March 5, 2024.

Estes, Donald H. 1978. "Before the War: The Japanese in San Diego." *The Journal of San Diego History: San Diego Historical Society Quarterly*. Fall 1978, Volume 24, Number 4. Available: http://sandiegohistory.org/journal/1978/october/before/. Accessed: March 17, 2025.

———. 1982. "Offensive Stupidity, and the Struggle of Abe Tokunoske." *The Journal of San Diego History: San Diego Historical Society Quarterly*. Fall 1982, Volume 28, Number 4. Available: https://sandiegohistory.org/journal/1982/october/offensive/. Accessed: March 17, 2025.

Gudde, Erwin G. 1998. *California Place Names: The Origin and Etymology of Current Geographical Names.* University of California Press. Berkeley Los Angeles London.

ICF. 2018 (December). *Section 106 Inventory and Evaluation Report for the National Streel and Shipbuilding Company Building 19 Demolition Project, San Diego, California (Project No. 2018-00421-RRS).*

Hoover, Mildred B., Hero E. Rensch, Ethel G. Rensch, and William N. Abeloe. 2002. *Historic Spots in California*. 5th edition, revised by Douglas E. Kyle. Stanford University Press, Stanford, California.

Johnson, Troy. (2019, July 31). "A Deep Dive into the San Diego Fishing Industry." *San Diego Magazine*. Available: https://sandiegomagazine.com/features/a-deep-dive-into-the-san-diego-fishing-industry/. Accessed March 17, 2025.

Kleinfelder. 2022 (December 21). *Phase I Environmental Site Assessment 4900-4930 North Harbor Drive, San Diego, California 92106.*

National Environmental Title Research, LLC. 2021. 1904, 1908, 1911, 1915, 1920, 1928, 1932, 1941, 1942, 1955, 1960, 1967, 1970, 1978, 1986, 1994, 2001, 2012, 2015, 2018, and 2021 United States Geological Survey Topographic Maps, and 1957, 1964, 1966, 1972, 1978, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1993, 1994, 1995, 1996, 1998, 1999, 2000, 2002, 2003, 2005, 2009, 2010, 2012, 2014, 2016, 2019, 2020, and 2022 Aerial Photographs of Project Limits. Available: http://www.historicaerials.com/. Accessed February 27, 2025.

National Oceanic and Atmospheric Administration. 1971 (February). *List of Fishery Associations in the United States, 1969-70*. US Department of Commerce.

NETR. *See* National Environmental Title Research, LLC.

NOAA. *See* National Oceanic and Atmospheric Administration.

Port of San Diego. 2025. *History of Tuna Harbor*. Available: https://www.portofsandiego.org/maritime/commercial-fishing. Accessed March 17, 2025.

Western Fishboat Owners Association. 2025. Western Fishboat Owners Association Liaison with Government. Available: https://wfoa-tuna.org. Accessed February 28, 2025.

This page is intentionally left blank.

Appendix A

Record Search Results

[Confidential]

Appendix B

DPR 523 Forms

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code

Other Listings
Review Code Reviewer Date

Page 1 **of** 14 ***Resource Name or #:** (Assigned by recorder) Driscoll's Wharf
P1. Other Identifier: 4900 North Harbor Drive
***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted**
***a. County** San Diego **and** (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** Point Loma **Date** 1996 **T** __; **R** __; __ **of** __ **of Sec** __; ____ **B.M.**
c. Address 4900-4930 North Harbor Drive City San Diego Zip 92106
d. UTM: Zone 10S , 479203.57 mE/ 3620684.69 mN
e. Other Locational Data: APN 760-004-42-00

***P3a. Description:**

The subject property consists of five fixed-structure, wooden piers with a total of 120 slips; three commercial buildings; and a parking lot. The three commercial buildings are all two-story, wood framed with plywood clad walls. The roofs have gabled and mansard elements.

(See Continuation sheet, page 4.)

***P3b. Resource Attributes:** HP6. 1-3 story commercial building; HP11. Engineering Structure
***P4. Resources Present:** ☒ Building ☒ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5b. Description of Photo: Pier 4 / Offloading Pier, view looking west, 02/18/2025

***P6. Date Constructed/Age and Source:** c1953 / aerial photographs
☒ Historic ☐ Prehistoric ☐ Both

***P7. Owner and Address:**
San Diego Unified Port District

***P8. Recorded by:**
Alta Cunningham
Ascent Environmental
Sacramento, CA 95814

***P9. Date Recorded:** 02/18/2025
***P10. Survey Type:** Intensive
***P11. Report Citation:** Ascent. 2025 (March). Historical Resources Evaluation Report for the Shelter Island Commercial Fishing Wharf Project. Prepared for San Diego Unified Port District.

***Attachments:** ☐ NONE ☒ Location Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record
☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record
☐ Artifact Record ☐ Photograph Record ☐ Other (List):

State of California ♁ The Resources Agency Primary #
DEPARTMENT OF PARKS AND RECREATION HRI#

BUILDING, STRUCTURE, AND OBJECT RECORD

***Resource Name or #** Driscoll's Wharf ***NRHP Status Code** 6Z

B1. Historic Name: none

B2. Common Name: Driscoll's Wharf

B3. Original Use: commercial fishing B4. Present Use: commercial fishing

***B5. Architectural Style:** none

***B6. Construction History:** Constructed in c1953-1990

***B7. Moved?** ☒No ☐ Yes ☐ Unknown **Date:** N/A **Original Location:** N/A

***B8. Related Features:** none

B9a. Architect: unknown b. Builder: unknown

***B10. Significance: Theme** N/A **Area** N/A
Period of Significance N/A **Property Type** N/A **Applicable Criteria** N/A

This property does not appear to meet the criteria for the California Register of Historical Resources (CRHR) or the National Register of Historic Places (NRHP).

Historic Context

San Diego

The project site is in the southeastern portion of San Diego in the America's Cup Harbor adjacent to the Roseville-Fleet Ridge and La Playa areas.

20th Century

The 1915 Panama-California Exposition took place in San Diego's Balboa Park and marked the beginning of the significant military presence in San Diego. The arrival of the Navy boosted the population and the economy. In the 1920s the population doubled from 74,683 to 147,897. The aerospace industry began in 1910 when Glenn Curtiss opened an aviation school on Coronado Island. T. Claude Ryan opened a flying service in 1922 that led to the opening of a manufacturing plant. This plant was responsible for designing several innovative aircrafts including the Spirit of St. Louis which was flown by Charles Lindbergh from New York to Paris in 1927. Perhaps the greatest boost to the aerospace industry was the establishment of Consolidated Aircraft, which was previously based in Buffalo, New York (City of San Diego 2007).

B11. Additional Resource Attributes: (List attributes and codes) HP6. 1-3 story commercial building

***B12. References:** See Continuation Sheet, page 14.

B13. Remarks: none

***B14. Evaluator:** Amber Grady, MA

***Date of Evaluation:** March 10, 2025

(This space reserved for official comments.)

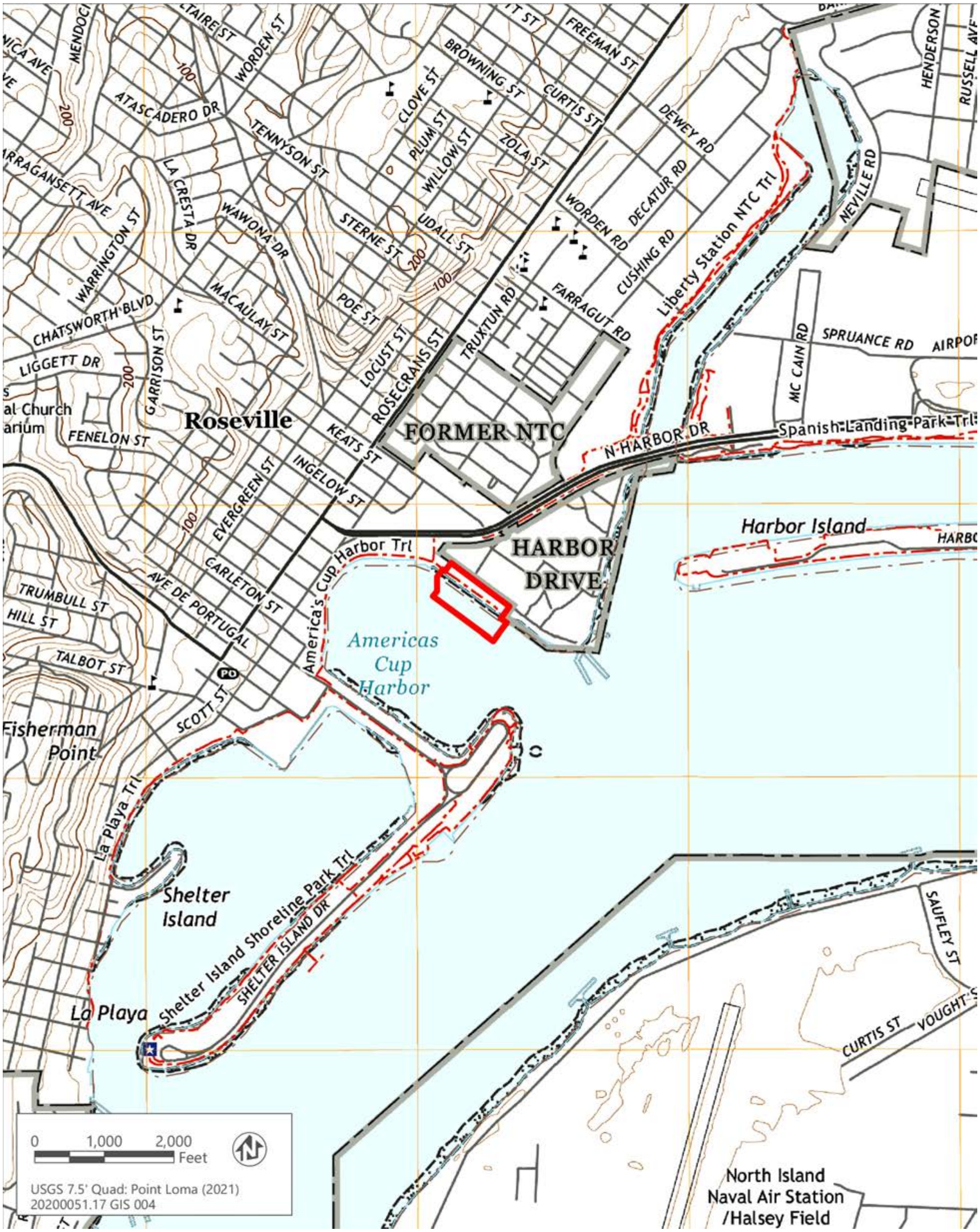
State of California ✧ Natural Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary#
HRI #
Trinomial

LOCATION MAP

Page 3 of 14 Resource Name or # Driscoll's Wharf

*Map Name: USGS 7.5 minute Point Loma Quad *Scale: 1:24,000 *Date of map: 2021



P3a. Description (continued)

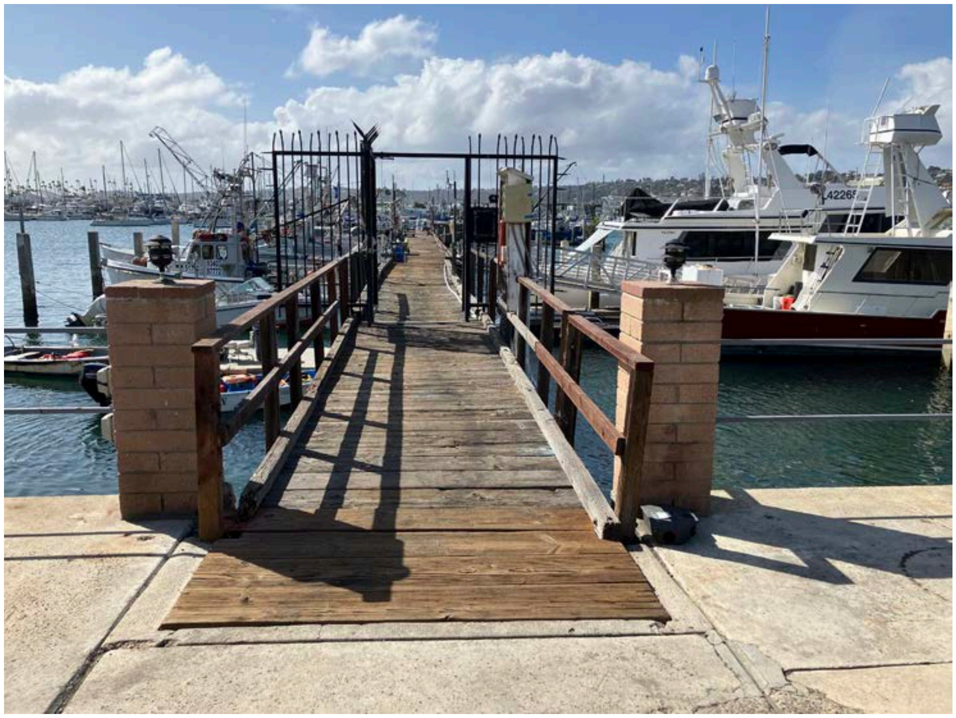


Photo 1. Pier 5. Looking southwest. Ascent 2025

Photo 2. Pier 5. Looking west. Ascent 2025

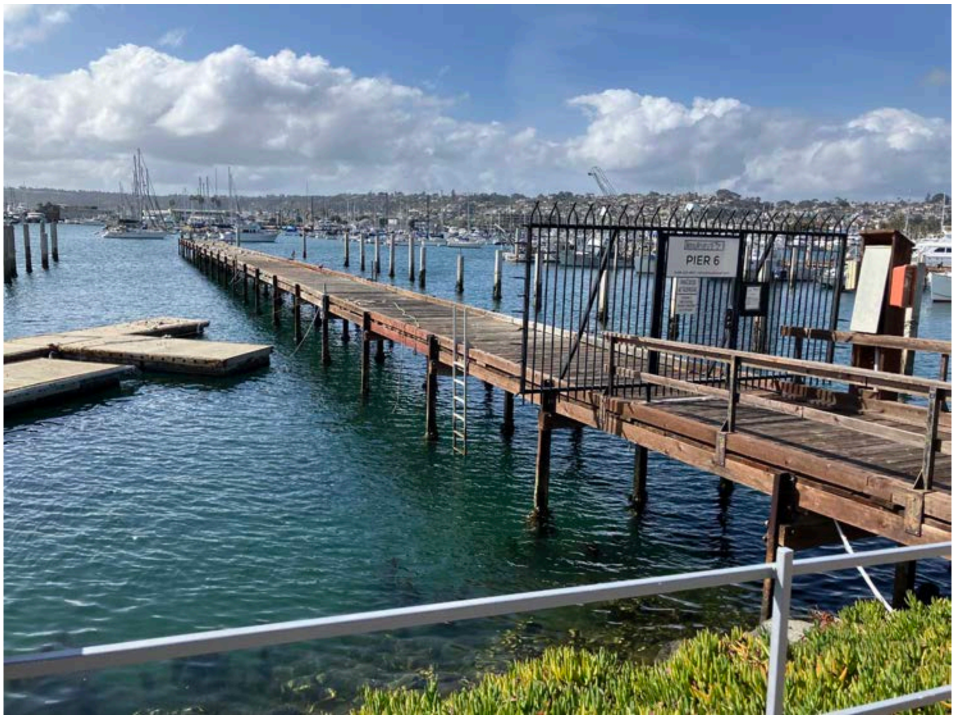


Photo 3. Pier 6. Looking southwest. Ascent 2025

Photo 4. Pier 7. Looking west. Ascent 2025

Photo 5. Pier 8. Looking southwest. Ascent 2025

Photo 6. 4922 N. Harbor Drive – southwest façade. Looking east. Ascent 2025

Photo 7. 4922 N. Harbor Drive. Looking southeast. Ascent 2025

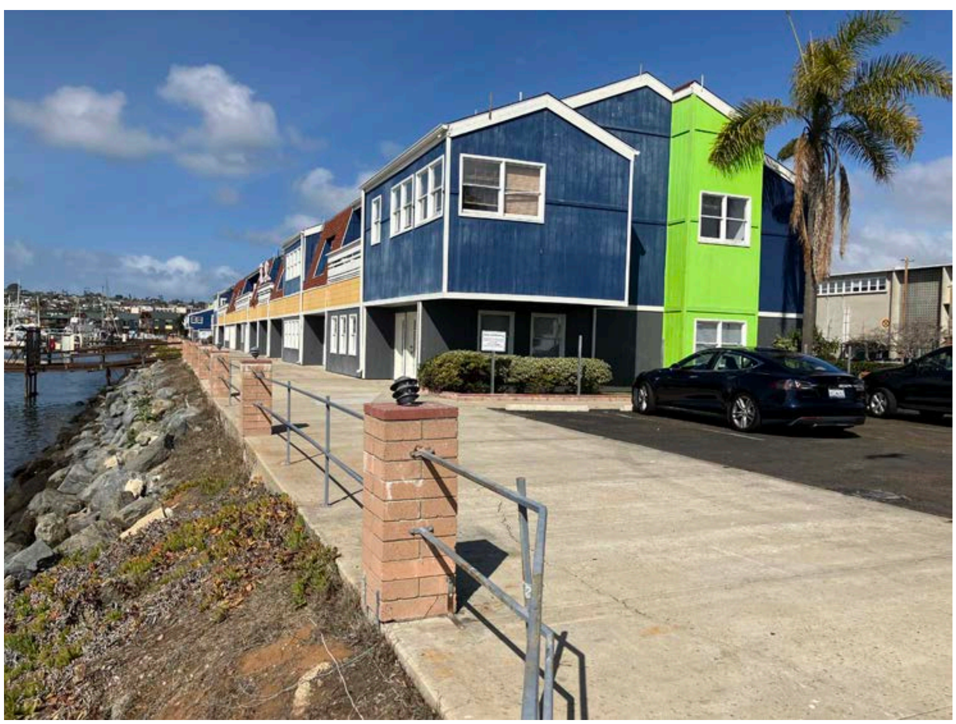


Photo 8. 4918 N. Harbor Drive. Looking northwest. Ascent 2025

B10. Significance (continued)

The financial blow of the Great Depression in the 1930s was softened due to the presence of the military industry and recovery was assisted by New Deal programs through the Works Progress Administration (WPA). Between 1935 and 1943 approximately 1/5th of the national labor force was working on WPA projects and the city of San Diego secured several projects. The projects were federally funded, but administered by local jurisdictions (City of San Diego 2007).

As early as 1941, freeway planning in San Diego began with the goal of providing access between downtown and the harbor, including Highway 395 (later renumbered to Highway 163) and the Coast Highway 101. The automobile grew in popularity and new roads were constructed throughout the United States which was funded by the Gasoline Tax. Legislation such as the Federal Aid Highway Act and the Interstate Highway Act supported the expansion and construction of the freeways and expressways in the 1950s (City of San Diego 2007).

Waterfront Development

The San Diego shoreline is occupied by a variety of uses including recreational and commercial sailing, commercial fishing, and military. Much of the coastline in the San Diego Bay was shaped by infill while the use of the bay was expanded by the dredging of the channel to allow larger ships access. In the early 1900s elected officials were working to convince the federal government that San Diego was a good location for military installations and by 1920 both the Naval Training Center and Marine Corps Recruiting Depot were built. The US Navy was the major driver in the development of the harbor in the 1902s as well (San Diego 2007).

Shelter Island was constructed in 1950 by the city of San Diego Port Authority using dredging materials. The tenants of Shelter Island consist mostly of private yachts, small boat slips, and fishing vessels. In 1961, the US Navy dredged a new channel to accommodate aircraft carriers in the harbor (Cardno, Inc. 2016). Shelter Island is on the opposite side of America's Cup Bay from Driscoll's Wharf, which is also constructed of fill.

Commercial Fishing Industry

The presence of a land locked harbor and the Mediterranean climate made San Diego ideal for commercial fishing. In the 1870s and 80s Italian immigrants, primarily from the Italian coastal region of Porticello and Riva Trigoso, began arriving in San Diego. Italian fisherman arrived between 1902 and 1906. The fisherman strung a net between two boats to capture fish. The fish were sold at the San Diego fish markets which were also often owned and operated by Italian families. The technique was so efficient that this spurred the development of the canning industry (Cardno, Inc. 2016).

Since 1889, a small Japanese fishing community has existing in San Diego (Estes 1982). By 1918 it was estimated by the Department of Commerce that 50 percent of the crews in San Diego were Japanese with 85 percent of the total annual catch (Estes 1978, Estes 1982). The success of M.K. Fishing Company which was headed by Kondo Masaharu and managed by Abe Tokunosuke is believed to be one reason why Japanese fisherman were drawn to San Diego. The Japanese are credited with introducing the bamboo pole to tuna fishing, the incorporation of lang range refrigerated boats, the use of live bait, or "chumming," and barbless feathers hooks known as squids. After the bombing of Pearl Harbor, all persons of Japanese ancestry in San Diego County were arrested and shipped to Missoula, Montana were there were detained during World War II (Estes 1978).

B10. Significance (continued)

In 1909, the first sardine cannery was opened. They fished for sardines and tuna (Cardno, Inc. 2016). "[A]t one time San Diego was known as "The Tuna Capital of the World" with two of the countries three biggest tuna canneries being based along its Bay." Tuna Boat Basin is located adjacent to the G Street Mole, which is on the other side of the Bay to the east of the project site (Port of San Diego 2025).
"In 1920, 125 fishing boats operated out of San Diego Bay and California led the United States in fishing with 97,000 tons of fish caught" (Cardno, Inc. 2016). The mid-1920s brought new regulations with regards to fishing nets. In addition, to the new regulations, over-fishing and contaminated water slowed the fishing industry and the number of fisherman declined (Cardno, Inc. 2016).

In the 1960s almost 40,000 people caught, sold, or processed fish along the Bay making it the third largest industry in the city (Port of San Diego 2025). "Every major cannery, including Bumble Bee, was based here" (Johnson 2019). Tuna Boat pier was constructed in 1977 in Tuna Boat Basin and Fish Harbor Pier was constructed in 1980, approximately 2-1/2 and 3 miles southeast of the project site respectively (Port of San Diego 2025).

Tuna Harbor and Driscoll's Wharf are the two remaining commercial fishing spots along San Diego Bay. Commercial fishing spots have been replaced by cruise ships, yachts, recreational fishing boats and floating museums (Johnson 2019).

B10. Significance (continued)

Subject Property

Prior to 1942, the project site was underwater with the shoreline located approximately 2,000 feet to the northwest near present-day Rosencrans Street. By 1941, fill was moving the shoreline to the southeast, but the project site was still underwater. By 1953, the bay was filled to form the land in the project site which included the five piers in the water portion and a parking lot on the land portion. Between 1953 and 1964 additional fill was added to straighten out the shoreline (Kleinfelder 2022).

The project site currently consists of five fixed structure piers with a total of 120 slips and three commercial buildings. The piers (numbers 4 through 8) were constructed c1953; however, the three buildings that are currently present are not historic age. The three buildings are addresses as 4904, 4918, and 4922 North Harbor Drive while the whole project site has been previously addressed as 4900 North Harbor Drive. The buildings currently addressed as 4904 and 4918 North Harbor Drive were constructed c1985 and the building currently addressed as 4922 North Harbor Drive was constructed c1990 (Kleinfelder 2022).

Piers 5-8 were built at the same time and are of identical construction. These piers are used for small-craft commercial fishing vessels. Maintenance has been done over the years, including the repair/replacement of the decking, but no new piles have been constructed (Driscoll, pers. comm., 2025). Pier 4, although constructed at the same time, is shorter than Piers 5-8. In 1970, the dock was removed and extended and in 2010 it was resurfaced, a floating pier to the south was added, and the crane installed (Driscoll, pers. comm., 2025).

<u>Occupants of Driscoll's Wharf</u>

Driscoll's Wharf has been operated by the Driscoll family since 1992 (Driscoll's Wharf 2025). It is a "commercial fishing marina off San Diego Bay that provides berthing spaces, storage, and other serviced for commercial boats, crews, and their catches" (Driscoll's Inc 2025). Known occupants between 1955 and 1980 include (Kleinfelder 2022):

1955–1966 – San Diego Commercial Fishing Boat Owners Inc.
1961–1970 – Ernest Lapacek
1970 – Boat Landing Association
1970 – San Diego Commercial Marina
1970 – Western Fish Boat Owners
1975 – San Diego Commercial Marina Boat Landing
1980 – L&W Communication Co Supplies
1980 – San Diego Commercial Marina Storage sales service and repair
1980 – Steve Skelley

B10. Significance (continued)

Operators of Driscoll's Wharf

Western Fishboat Owners' Association

The Western Fishboat Owners Association (WFOA) is a non-profit group that represents albacore troll vessel owners and associated businesses in California, Oregon, Washington, Alaska, and Hawaii that advocates safe and sustainable fishing. Its members fish wild Pacific albacore along the U.S. West Coast from June through October and in the South Pacific from January through April. WFOA assists in the development of management strategies and serves on the Western and Central Pacific Fisheries Commission and the InterAmerican Tropica Tuna Commission. (WFOA 2025). The WFOA was a recognized fishery association in 1969-1970 with J.V. Shaw listed as the President and an address of 4904 N. Harbor Drive (NOAA 1971). WFOA owned and operated what is now known as Driscoll's Wharf for approximately 20 years (Driscoll, pers. comm., 2025).

Driscoll Boat Works

Driscoll Boat Works was founded in 1947 with its first location, a boatyard, on Shelter Island, by brothers Harlan and Gerry Driscoll. John Gerald Driscoll III (a.k.a. Gerry) participated in six America's Cup races with his final one in 1974 as captain of the Intrepid. Gerry is also known for introducing the concept of year-round training for the event as opposed to the previous accepted norm of four to five months prior to the event. Driscoll Boat Works now includes four facilities: Mission Bay, Boatworks, Intrepid, and Driscoll's Wharf (Driscoll's Wharf 2025).

Figure 1. 1953 Aerial Map
Note: Arrow shows location of the subject property.

B10. Significance (continued)

To be considered eligible for listing in the NRHP/CRHR under Criterion A/1, a property must be associated with events that have made a significant contribution to the broad patterns of our nation's, California's, or local history. Driscoll's Wharf is associated with commercial fishing in San Diego, however, commercial fishing began in the area around 1900 and Driscoll's Wharf did not exist until c1953. There is no information in the archival record that indicates that the subject property is associated with events that have made a significant contribution to the history of commercial fishing; therefore, it does not appear to be eligible for the NRHP/CRHR under Criterion A/1.

To be considered eligible for listing in the NRHP/CRHR under Criterion B/2, a property must be associated with the lives of persons significant in our past. The Driscoll brothers, known locally for their contributions to the commercial fishing industry and America's Cup, are associated with the property, but not until 1992. Various companies and individuals have been associated with Driscoll Wharf, but historical research did not reveal specific, significant individuals that have direct important association with the subject property. Therefore, it does not appear to be eligible for the NRHP/CRHR under Criterion B/2.

Under NRHP/CRHR Criterion C/3, a property must embody distinctive characteristics of a type, period, or method of installation, or represent the work of a master, or possess high artistic values. The architect and/or builder of the property are unknown. The three buildings are not historic age and the five piers are of common construction with no distinct or innovative construction methods or architectural style. Therefore, the subject property does not appear to possess sufficient design or construction value to be eligible for the NRHP/CRHR under Criterion C/3.

Criterion D/4 generally applies to archaeological resources or other resources that through study of construction details can provide information that cannot be obtained in other ways. The buildings and piers on the subject property appear to be of common construction. The subject property does not appear to be significant under this criterion because it is not likely to yield any additional important information about our history.

Integrity Consideration

For a property to retain and convey historic integrity it must possess most of the seven aspects of integrity: location, design, setting, materials, workmanship, feeling, and association. The property appears to retain its integrity of location and association as the piers have not been moved since construction and their purpose remains the same. The setting of the immediate area has not significantly changed except for the addition of modern buildings in what was the parking lot. The piers appear to retain a moderate to high degree of integrity of design, materials, workmanship, and feeling based on the site visit observations and information gathered regarding the minor maintenance level modifications that have been done. However, modern buildings have replaced the parking lot modestly, reducing the integrity of the property overall. Eligibility for listing on the NRHP and the CRHR rests on twin factors of significance and integrity. A resource must have both significance and integrity to be considered eligible. Loss of integrity, if sufficiently great, will become more important than the historical significance a resource may possess and render it ineligible. Likewise, a resource can have complete integrity, but if it lacks significance, it must also be considered ineligible. In this case the subject property retains sufficient integrity; however, it is not significant under any of the four criteria and therefore does not appear eligible for listing in either the CRHR or NRHP.

B12. References (continued)

Cardno, Inc. 2016 (April). Portside Pier Project, 1360 North Harbor Drive, San Diego Unified Port District: Historic Resource Evaluation Report.

City of San Diego. 2007. San Diego Modernism Historic Context Statement.

City of San Diego. 2024 (July). Historic Preservation Element. Available: https://www.sandiego.gov/sites/default/files/2024-07/general-plan_10_historic-preservation_july-2024.pdf. Accessed February 26, 2025.

Driscoll, Tom. President of Driscoll's Boat Works, San Diego, CA. February 18, 2025 – in-person conversation with Alta Cunningham of Ascent regarding the historic of Driscoll's Wharf.

Driscoll's Wharf. 2025. Driscoll's Wharf: About. Available: https://driscollswharf.com/about/. Accessed: March 5, 2024.

Driscoll's Inc. 2025. Driscoll Inc: Our History. Available. https://driscollinc.com/history/. Accessed: March 5, 2024.

Estes, Donald H. (1978). "Before the War: The Japanese in San Diego." The Journal of San Diego History: San Diego Historical Society Quarterly. Fall 1978, Volume 24, Number 4. Available: http://sandiegohistory.org/journal/1978/october/before/. Accessed: March 17, 2025.

Estes, Donald H. (1982). "Offensive Stupidity, and the Struggle of Abe Tokunoske." The Journal of San Diego History: San Diego Historical Society Quarterly. Fall 1982, Volume 28, Number 4. Available: https://sandiegohistory.org/journal/1982/october/offensive/. Accessed: March 17, 2025.

Gudde, Erwin G. 1998. California Place Names: The Origin and Etymology of Current Geographical Names. University of California Press. Berkeley Los Angeles London.

ICF. 2018 (December). Section 106 Inventory and Evaluation Report for the National Streel and Shipbuilding Company Building 19 Demolition Project, San Diego, California (Project No. 2018-00421-RRS).

Johnson, Troy. (2019, July 31). "A Deep Dive into the San Diego Fishing Industry." San Diego Magazine. Available: https://sandiegomagazine.com/features/a-deep-dive-into-the-san-diego-fishing-industry/. Accessed March 17, 2025.

Hoover, Mildred B., Hero E. Rensch, Ethel G. Rensch, and William N. Abeloe. 2002. Historic Spots in California. 5th edition, revised by Douglas E. Kyle. Stanford University Press, Stanford, California.

Kleinfelder. Phase I Environmental Site Assessment 4900-4930 North Harbor Drive, San Diego, California 92106. December 21, 2022.

National Environmental Title Research (NETR), LLC. 2021. 1904, 1908, 1911, 1915, 1920, 1928, 1932, 1941, 1942, 1955, 1960, 1967, 1970, 1978, 1986, 1994, 2001, 2012, 2015, 2018, and 2021 United States Geological Survey Topographic Maps, and 1957, 1964, 1966, 1972, 1978, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1993, 1994, 1995, 1996, 1998, 1999, 2000, 2002, 2003, 2005, 2009, 2010, 2012, 2014, 2016, 2019, 2020, and 2022 Aerial Photographs of Project Limits. Available: http://www.historicaerials.com/. Accessed February 27, 2025.

National Oceanic and Atmospheric Administration (NOAA). List of Fishery Associations in the United States, 1969-70. United States Department of Commerce. February 1971.

Office of Historic Preservation. 1995. Instructions for Recording Historical Resources. Available: https://ohp.parks.ca.gov/pages/1054/files/manual95.pdf. Accessed September 1, 2021.

Port of San Diego. 2025. History of Tuna Harbor. Available: https://www.portofsandiego.org/maritime/commercial-fishing. Accessed March 17, 2025.Western Fishboat Owners Association. 2025. Western Fishboat Owners Association Liaison with Government. Available: https://wfoa-tuna.org. Accessed February 28, 2025.

Western Fishboat Owners Association. 2025. Western Fishboat Owners Association Liaison with Government. Available: https://wfoa-tuna.org. Accessed February 28, 2025.

UC Santa Barbara. Framefinder Flight AXN_1953, Frame 4M-95, Flight ID: AXN-1953. Available: https://mil.library.ucsb.edu/apcatalog/report/report.php?filed_by=AXN-1953. Accessed March 11, 2025.

Appendix I

Phase I and Phase II
Environmental Site Assessments

PHASE I ENVIRONMENTAL SITE ASSESSMENT
4900–4930 NORTH HARBOR DRIVE
SAN DIEGO, CALIFORNIA 92106
KLEINFELDER PROJECT NO. 20182275.004A

DECEMBER 21, 2022

A Report Prepared for:

Mr. Christian de Manielle
Department Manager, Real Estate
San Diego Unified Port District
3165 Pacific Highway
San Diego, California 92101

PHASE I ENVIRONMENTAL SITE ASSESSMENT
4900–4930 NORTH HARBOR DRIVE
SAN DIEGO, CALIFORNIA 92106

Prepared by:

Jake Lippman, PG 9127, CHg 1028
Project Manager

Reviewed by:

Lizanne Simmons, PG 7431
Senior Principal Geologist

William D. Golightly, PE 58959, Env., S.P.
Vice President

KLEINFELDER
770 First Avenue, Suite 400
San Diego, California 92101
Phone: 619.831.4600

December 21, 2022
Kleinfelder Project No. 20182275.004A

Section **Page**

TABLES

FIGURES

APPENDICES

1 EXECUTIVE SUMMARY

A Phase I Environmental Site Assessment (ESA) was performed by Kleinfelder, Inc. (Kleinfelder) for the San Diego Unified Port District (Client) of a property located at 4900–4930 North Harbor Drive, San Diego, California (Subject Property) (see Figures 1 and 2). The Subject Property is owned by the Client and is identified as San Diego County Assessor's Parcel Number (APN) 760-004-42-00. Kleinfelder understands the Client is requesting a Phase I ESA to evaluate the existing conditions at the Subject Property.

Information gathered and activities performed for this Phase I ESA were consistent with the guidelines in ASTM International (ASTM) Designation E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (the "ASTM Standard"), the All Appropriate Inquiry (AAI) section of the Small Business Liability Relief and Revitalization Act (the Federal Brownfields Law), and also incorporated the procedures set forth in ASTM E1527-21.

A summary of findings is provided below:

- The Subject Property is located between 4900 and 4930 North Harbor Drive, San Diego. The three buildings on the Subject Property currently have addresses of 4904, 4918, and 4922 North Harbor Drive. The Subject Property consists of approximately 100,000-square feet of land area, 300,000-square feet of water area, 35,000-square feet of commercial office space, five fixed structure piers, a 750-foot-long concrete walkway, and a paved access road and parking lot.
- 4904 North Harbor Drive is currently occupied by Chula Seafood and Tunaville Market on the first floor. These businesses process and package fresh seafood. Large refrigeration units were noted inside these businesses. The second floor of the building appeared vacant and under renovation.
- 4918 North Harbor Drive is currently occupied on the first floor by Miramar Canvas (an upholstery/fabric shop that was not accessible during the site reconnaissance), City of San Diego (not accessible during site reconnaissance), a small maintenance and storage room used by Driscoll's Wharf, and spaces that were used as miscellaneous storage or were vacant and appeared undergoing renovation. Second floor subtenants of 4918 North Harbor Drive included VSSL offices (a marketing and advertising company), Michelle Paul (a family law office), Driscoll's Wharf administrative office, and vacant office space.
- The interior of the 4922 North Harbor Drive building was not accessible during the site reconnaissance. 4922 North Harbor Drive is occupied by Semantic AI (a computer software company).

- The Subject Property is currently and was historically used as a wharf for fishing boat mooring and recreational vessels. These activities have occurred on the Subject Property since at least 1953, when boats were first identified on the historic aerial photographs. Driscoll Marina Ltd. has leased the Subject Property from the San Diego Unified Port District since 1992.

- Other current and historical uses of the Subject Property have included the City of San Diego Marine Biology Laboratory, restaurants, and commercial offices.

- The use, storage, and generation of hazardous wastes, including petroleum hydrocarbons, paints, and solvents, have been documented on the Subject Property in association with boat maintenance and laboratory-related activities. These wastes are currently and have historically been stored in aboveground storage tanks (ASTs), drums, and an underground storage tank (UST) on the Subject Property. The UST was identified by Kleinfelder on a 1984 site plan. It is unknown if the UST was removed or is still present on the Subject Property.

- A hazardous materials storage shed was observed on the Subject Property. The shed contained paints, household cleaners, oils, and lubricants on shelving units, propane cylinders used for forklift operation were stored in a polyethylene box in the corner of the shed, and four 55-gallon drums containing waste oil, oily water, oily rags, and absorbents were located on secondary containment. Heavily stained concrete in the hazardous waste storage shed was observed during Kleinfelder's site reconnaissance.

- The area where the current hazardous materials storage shed is located, was previously used for outdoor hazardous materials storage. Photographs of this area in 2008 show a concrete slab containment structure for a waste oil AST. Oily debris was observed on the base of the secondary containment. Additional photographs show three 55-gallon drums of used oil rags, filters, and litter as well as the secondary containment structure for the waste oil AST being raised to clean the base of the containment area.

- Two environmental investigations were conducted in 1992 on the Subject Property. These investigations identified petroleum hydrocarbon contamination in soil and groundwater as well as copper, lead, zinc, mercury, tributyltin (TBT), dibutyltin (DBT), and monobutyltin (MBT) contamination in bay sediment within the Subject Property boundaries. The copper, lead, and zinc concentrations exceeded their respective Effects Range-Low (ERL) value and mercury exceeded the ERL and Effects Range-Medium (ERM) value (Long et al, 1995). The ERL and ERM values are typically used by regulatory agencies to evaluate metals concentrations in bay sediment.

- A leaking underground storage tank (LUST) case reportedly impacted soil and groundwater at the adjacent property to the northwest of the Subject Property (4960 North Harbor Drive). The property at 4960 North Harbor Drive was historically a boat building and repairing facility. Eight USTs, ranging from 8,000 to 10,000 gallons and containing gasoline or diesel fuels, were removed from the site in 1994. During tank removal, gasoline and diesel contamination was detected in soil and groundwater and free product was observed to be seeping into the harbor. The soil and groundwater contamination were remediated by soil excavation and free product recovery. The LUST case was closed in 2000 by the San Diego County Department of Environmental Health. It was reported that residual soil and groundwater contamination remained after LUST case closure.

- Two closed LUST cases reportedly impacted soil and groundwater at the adjacent property to the east of the Subject Property (Naval Base Point Loma). The closed LUST cases were located on Naval Base Point Loma, in close proximity to the Subject Property, in association with a former 1,400-gallon diesel fuel UST and a former 1,400-gallon heating oil/fuel oil UST.
- A drum storage area was observed on adjacent tidelands property to the north. The storage area is located between the Subject Property and a public restrooms/sewer pump station building. The storage area is enclosed with a chain-link fence with "Private Property" signage. The San Diego Unified Port District has indicated that this storage area is under control by the San Diego Moorings Company and that the San Diego Moorings Company uses the drums to store chains.
- Elevated levels of copper, mercury, and TBT have been identified in bay sediment within America's Cup Harbor at nearby, historic boat repair, maintenance and other industrial facilities.

This assessment has revealed no evidence of recognized environmental conditions (RECs), controlled RECs (CRECs), or historical RECs (HRECs) in connection with the Site, except for the following (see Figure 4 for REC locations):

<u>RECs Identified on Landside Portion of Subject Property</u>

1. The presence of petroleum hydrocarbons identified in soil and groundwater on the Subject Property during the 1992 environmental assessment conducted by Engineering Science Applications is considered a REC.
2. The waste oil UST, depicted on the 1984 site plan, on the Subject Property represents a REC, due to the potential for the UST to have leaked and impacted the surrounding soil and groundwater.
3. The lead battery reclamation that was conducted on the Subject Property, as identified by the San Diego Unified Port District (via Client interview) represents a REC. This activity may have impacted soil on the Subject Property.

4. The use of tar for lobster cages on the Subject Property represents a REC, due to the potential for soil to be impacted from this activity.

5. The fill material originally used to construct the tideland area at the Subject Property is considered a REC. The fill material has the potential to be contaminated from historic industrial and/or dumping activities in the area(s) where the fill material originated from.

RECs Associated with Hazardous Materials Storage Area/Shed

6. The heavy staining on the concrete floor of the hazardous materials storage shed, as identified during the site reconnaissance, represents a REC. Petroleum hydrocarbon waste is stored in this shed; therefore, based on the degree of staining, soil and groundwater below this area may be impacted.

7. The County of San Diego Department of Environmental Health reported waste oil-soaked carpet around a waste oil tank in 2005 in the former hazardous waste storage area on the Subject Property. The oil-soaked carpet around a waste oil tank is considered a REC, due to the potential for soil to have been impacted. The former hazardous waste storage area was located where the current hazardous materials storage shed is located. The County's inspection report indicates that the business name associated with the oil-soaked carpet was "Driscoll's Wharf" and the address was 4904 North Harbor Drive. The Subject Property's Office Manager, Cynthia Price, signed the inspection report.

8. The County of San Diego Department of Environmental Health reported oily debris below a waste oil AST in 2008 in the former hazardous waste storage are on the Subject Property. The oily debris below a waste oil AST is considered a REC, due to the potential for soil to have been impacted. The County's inspection report indicates that the business name associated with the oily debris was "Driscoll's Wharf" and the address was 4918 North Harbor Drive, #203. The Subject Property's Office Manager, Cynthia Price, signed the inspection report.

RECs Associated with Bay Sediment

9a. The trench drain located at Chula Seafood on the Subject Property represents a REC. It is unknown where the trench drain discharges. There is a potential that contaminants, originating near the trench drain, could have been discharged to the harbor through the storm drain system and could have impacted bay sediments within the waterside portion of the Subject Property.

9b. The storm drain outfall on the Subject Property represents a REC. According to a storm drain map provided by the San Diego Unified Port District, the storm drain outfall is connected to the catch basins that were observed along the northeastern boundary of the Subject Property. There is a potential that contaminants, originating near the catch basins, could have been discharged to the harbor through the storm drain system and could have impacted bay sediments within the waterside portion of the Subject Property.

10. Copper, lead, zinc, mercury, TBT, DBT, and MBT have been detected in sediment on the Subject Property. The copper, lead, and zinc concentrations exceeded their respective ERL value and mercury exceeded the ERL and ERM value (Long et al, 1995). Leaching of metals from hull paints, overwater hull maintenance and other overwater boat maintenance activities within the wharf may have contributed to these sediment impacts. Consequently, the use of the Subject Property as a wharf is considered a REC for sediment impacts.

11. Bay sediment within America's Cup Harbor has been reported to be impacted by copper, mercury, and TBT due to boat repair, maintenance, and other industrial activities around America's Cup Harbor. Therefore, the potential for migration of contaminated sediment from America's Cup Harbor into the Subject Property is considered a REC.

RECs Associated with Off-Site Sources

12. The adjacent closed LUST case at the former Bay City Marine facility (northwest of the Subject Property at 4960 North Harbor Drive) represents a REC. The reported groundwater contamination at the former Bay City Marine facility has the potential to migrate below the Subject Property.

13. The adjacent closed LUST cases at Naval Base Point Loma (east of the Subject Property), represents a REC. The reported groundwater contamination at Naval Base Point Loma has the potential to migrate below the Subject Property.

In addition to these conditions, deviations from the Phase I ESA Standard (if any) are discussed in Section 8.1 of this report. This report is subject to the limitations in Section 2.5.

2 INTRODUCTION

This purpose of this Phase I ESA is to identify potential or known hazardous materials, hazardous waste, and contamination, which may be present in the Subject Project vicinity. Information gathered and activities performed for this Phase I ESA were consistent with applicable guidelines set forth in ASTM Standard Designation E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, and also incorporated the procedures set forth in ASTM E1527-21. Pursuant to the ASTM Standard and limitations discussed in this report, RECs, and other environmental issues related to the Subject Property will be evaluated:

2.1 PURPOSE

The purpose of this Phase I ESA is to identify RECs, to the extent feasible pursuant to the scope of services defined in Task Authorization No. 04, dated May 19, 2022, and limitations discussed in this report.

As defined in the ASTM Standard, a REC is:

> *The presence of hazardous substances or petroleum products due to a release to the environment; (2) likely presence of hazardous substances or petroleum products due to a release or likely release to the environment; or (3) presence of hazardous materials or petroleum products under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions.*
>
> *Note: "Likely" is that which is neither certain nor proved but can be expected or believed by a reasonable observer based on the logic and/or experience of the environmental professional, and/or available evidence, as stated in the report to support the opinion given therein.*

As defined in the ASTM Standard, a *de minimis* condition is:

> *A condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.*

As defined in the ASTM Standard a CREC is:

> *… a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use limitations, activity and use limitations, institutional controls, or engineering controls).*

Additionally, the ASTM Standard defines HRECs, as:

> *…a past release of any hazardous substances or petroleum products that has affected the Subject Property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to environmental controls.*

The final decision regarding whether a past release is an HREC rests with the environmental professional (EP) and will be influenced by the current impact (if any) of the past release to the Subject Property.

Finally, the ASTM Standard defines a business environmental risk (BER) as:

> *…a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations...*

This report describes Kleinfelder's assessment methodology and documents our findings, subject to the limitations presented in Section 2.5 of this report.

Kleinfelder professionals conducting this site assessment included Mr. Jake Lippman, who was the primary author of this report, Mr. Stefan Birardi who performed the site reconnaissance, and Mr. William Golightly and Ms. Lizanne Simmons who provided project oversight. Resumes of Environmental Professionals are available from Kleinfelder upon request.

2.2 DETAILED SCOPE-OF-SERVICES

To achieve the stated purpose, the following scope of services was undertaken by Kleinfelder for this project:

- Section 2, **Introduction**, includes a discussion of the purpose/reason for performing the Phase I ESA, additional services requested by the Client (e.g., an evaluation of business environmental risk factors associated with the Subject Property), significant assumptions (e.g., property boundaries if not marked in the field), limitations, exceptions, special terms and conditions (e.g., contractual), and user reliance parameters.
- Section 3, **Subject Property Description**, is a compilation of information concerning the Subject Property location, legal description, current and proposed use of the Subject Property, a description of structures and improvements on the Subject Property at the time of Kleinfelder's assessment, and adjoining property use.
- Section 4, **Records Review**, is a compilation of Kleinfelder's review of several databases available from Federal, State, and local regulatory agencies regarding hazardous substance use, storage, or disposal at the Subject Property and off-site facilities within the search distances specified in the ASTM Standard. Records provided by the Client are summarized and copies of relevant documents are included in the appendices of this report. Physical setting sources (including topography and soil and groundwater conditions) and typical Client-provided information (e.g., title records, environmental liens, specialized knowledge, valuation reduction for environmental issues, and owner, property manager, and occupant information) are also summarized in this section. Other interviews with people knowledgeable about the Subject Property (including the Client) are included in Section 7.
- Section 5, **Historical Use Information**, summarizes the history of the Subject Property and adjoining properties. This Subject Property history is based on various sources, which may include a review of historical aerial photographs, Sanborn Fire Insurance Maps, city or suburban directories, historical topographic maps, building department records, and results of previous site assessments (if any and reasonably ascertainable).
- Section 6, **Site Reconnaissance**, describes observations by Kleinfelder during the site reconnaissance of the Subject Property and surrounding areas. The methodology used and limiting conditions are described in this section.
- Section 7, **Interviews**, is a summary of telephone and in-person interviews performed with "Key Subject Property Managers" that may include the Subject Property owner/manager,

occupants/tenants, local government officials, and the Client. Additional interview sources may be contacted if Key Subject Property Managers were not available prior to production of this report and may include adjoining landowners and people with historical knowledge of the area.

- Section 8, **Evaluation**, is a presentation of our findings and opinions regarding the information in Sections 3 through 7, and presents our conclusions regarding the presence of RECs, HRECs, CRECs, and *de minimis* conditions connected with the Subject Property.
- Section 9, **References**, is a summary of the resources used to compile this Phase I ESA report.

A statement of qualifications of the signatories of this report is provided in Appendix A, and pertinent documentation regarding the Subject Property is included in Appendices B through D.

2.3 ADDITIONAL SERVICES

An evaluation of BER associated with the Subject Property was not included in Kleinfelder's scope of services. The scope of this Phase I ESA does not incorporate ASTM Standard non-scope considerations such as asbestos-containing materials (ACMs), radon, lead-based paint (LBP), lead in drinking water, wetlands, regulatory compliance, cultural and historical resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, and high-voltage power lines.

2.4 SIGNIFICANT ASSUMPTIONS

Kleinfelder does not guarantee the accuracy of the information supplied by its sources but reserves the right to rely on this information in formulating a professional opinion on the potential for contamination at the Subject Property. Kleinfelder also assumes the Client provided all applicable and available environmental records and specialized knowledge regarding the Subject Property. Kleinfelder assumes that any potential historical agrichemical/pesticide application which may be associated with the identified historical agricultural land use was performed in a customary manner in strict accordance with the agrichemical/pesticide manufacturer labels; and this assumption does not apply to any potentially identified areas associated with agrichemical storage, mixing, transportation, spills, and/or disposal. If specific information was not available, Kleinfelder also made assumptions for this Phase I ESA regarding the surficial groundwater flow direction at the Subject Property based on observed conditions and a review of United States Geological Survey (USGS) Topographic Maps and online USGS StreamStats drainage basin delineation tool. Kleinfelder assumed that historical aerial photographs, topographic maps, and other information was representative of conditions during periods between coverage.

Kleinfelder has not made other significant assumptions during the performance of this Phase I ESA.

2.5 LIMITATIONS AND EXCEPTIONS

Environmental assessments are non-comprehensive by nature and are unlikely to identify all environmental problems or eliminate all risk. This report is a qualitative assessment. Kleinfelder offers a range of investigative and engineering services to suit the needs of our clients, including more quantitative investigations. Although risk can never be eliminated, more detailed and extensive investigations yield more information, which may help the Client understand and better manage risks. Since such detailed services involve greater expense, we ask our clients to participate in identifying the level of service, which will provide them with an acceptable level of risk. Please contact the signatories of this report if you would like to discuss this issue of risk further.

Kleinfelder performed this Phase I ESA in general accordance with the guidelines set forth in the ASTM Standard, and the proposed scope subsequently approved by the Client. No warranty, either express or implied, is made. Environmental issues not specifically addressed in this report were beyond the scope of our services and not included in our evaluation.

Land use, Subject Property conditions (both on-site and off-site), and other factors will change over time (e.g., EDR Lightbox [EDR], The EDR Radius Map™ Report). Since Subject Property activities and regulations beyond our control could change at any time after the completion of this report, our observations, findings, and opinions can be considered valid only as of the date of *The EDR Radius Map™ Report with GeoCheck®* (April 8, 2022), which was used in the preparation of this report. Additionally, Subject Property conditions observed were limited to readily apparent environmental conditions observed at the Subject Property.

This report may be used only by the Client and the registered design professional in responsible charge, only for the purposes stated within a reasonable time from its issuance, but in no event later than 1 year from the date of *The EDR Radius Map™ Report with GeoCheck®* (expires April 8, 2023). Land or facility use, on and off-site conditions, regulations, or other factors may change over time, and additional work may be required with the passage of time. Any party other than the Client who wishes to use this report shall notify Kleinfelder of such intended use. Based on the intended use of the report, Kleinfelder may require that additional work be performed and that an updated report be issued. Non-compliance with any of these requirements by the Client or anyone else will release Kleinfelder from any liability resulting from the use of this report by any unauthorized party, and the Client agrees to defend, indemnify, and hold Kleinfelder harmless from any claim or liability associated with such unauthorized use or non-compliance.

During the course of the performance of Kleinfelder's services, hazardous materials may have been discovered. Kleinfelder assumes no responsibility or liability whatsoever for any claim, loss of property value, damage, or injury that results from pre-existing hazardous materials being encountered or present on the Subject Project, or from the discovery of such hazardous materials. Nothing contained in this report should be construed or interpreted as requiring Kleinfelder to assume the status of an owner, operator, or generator, or person who arranges for disposal, transport, storage, or treatment of hazardous materials within the meaning of any governmental statute, regulation, or order. Client is solely responsible for directing notification of all governmental agencies, and the public at large, of the existence, release, treatment, or disposal of any hazardous materials observed at the Subject Property, either before or during performance of Kleinfelder's services. Client is responsible for directing all arrangements to lawfully store, treat, recycle, dispose of, or otherwise handle hazardous materials, including cuttings and samples resulting from Kleinfelder's services.

2.6 SPECIAL TERMS AND CONDITIONS

No special terms and conditions were agreed to by the Client and Kleinfelder.

3 SUBJECT PROPERTY DESCRIPTION

The description of the Subject Property is presented in this section and addresses the condition of the Subject Property at the time of the Phase I ESA. A Subject Property Location Map is provided as Figure 1. Tables 3-1 through 3-4 summarize the physical characteristics of the Subject Property and adjoining properties.

3.1 LOCATION AND LEGAL DESCRIPTION

The information presented in Table 3-1 includes the physical location and legal description of the Subject Property. This information was obtained from review of various maps (such as topographic maps and tax assessor maps), aerial photographs, public records at City and/or County offices, interviews, and/or information provided by the Client.

Table 3-1: Location and Legal Description

PARAMETER	INFORMATION/COMMENTS
LOCATION	The Subject Property is located along the shore of America's Cup Harbor, within the City of San Diego, San Diego County, California (see Figure 1, Subject Property Location Map).
APNs/ADDRESS	The Subject Property is assigned as APN 760-004-42-00 and has addresses between 4900 and 4930 North Harbor Drive. Specifically, the three buildings on the Subject Property have current addresses of 4904, 4918, and 4922 North Harbor Drive. The address numbers on the Subject Property increase towards the southeast (e.g., 4904 is assigned to the northwestern-most building and 4922 is assigned to the southeastern-most building). This is in contrast to the properties to the northwest of the Subject Property, where the address numbers increase towards the west along North Harbor Drive. In addition, the historic address of 4900 North Harbor Drive was identified in the EDR Radius Map Report and City Directory listings and the historic address of 4910 North Harbor Drive was identified in a previous environmental investigation at the subject property (Section 5.6). Based on our research, the address of 4900 North Harbor Drive has been associated with the entire Subject Property and has not been associated with a specific building on the Subject Property. The address of 4910 North Harbor Drive was associated with the building currently located at 4904 North Harbor Drive.
LEGAL DESCRIPTION	The legal description of the Subject Property parcel is included in the *EDR Environmental Lien and AUL Search* report (EDR, 2022b) located in Appendix C).

Table 3-1: Location and Legal Description (continued)

PARAMETER	INFORMATION/COMMENTS
SECTION, TOWNSHIP, AND RANGE	The Subject Property situated within Section 6 of Township 10 South and Range 3 West of the San Bernardino Principal Baseline and Meridian.
ZONING	Based on the City of San Diego Official Zoning Map (https://www.sandiego.gov/development-services/zoning-maps), the Subject property has not been assigned a zoning type.

3.2 CURRENT / PROPOSED USE OF THE PROPERTY

At the time of Kleinfelder's assessment, land use at the Subject Property and in the immediate Subject Property vicinity appeared to be predominantly used for commercial and military (Naval Base Point Loma) purposes. Current and proposed uses are described in Table 3-2.

Table 3-2: Current / Proposed Uses

PARAMETER	GENERAL OBSERVATIONS
CURRENT USE	The Subject Property consists of three commercial buildings and a commercial fishing wharf.
PROPOSED USE	No change to the current use is proposed.

3.3 DESCRIPTION OF STRUCTURES / IMPROVEMENTS

Structures and/or improvements observed on the Subject Property at the time of Kleinfelder's site reconnaissance are described in Table 3-3.

Table 3-3: Structures / Improvements

PARAMETER	GENERAL OBSERVATIONS
STRUCTURES	The Subject Property is developed with three multi-tenant commercial buildings, a hazardous materials storage shed, fish chiller container, five piers, a covered fishing materials storage area, and a net mending area.
IMPROVEMENTS	The Subject Property has been improved with an asphalt-paved driveway and associated parking stalls, a concrete walkway along the southern portion of the property, three pad-mounted transformers, a trench drain and two catch basins along the northeastern boundary, and utility infrastructure. The trench drain was located directly outside one of the side doors to Chula Seafood. The trench drain was located in an area where Chula Seafood received frozen fish delivery. The trench drain appeared to drain to a storm drain catch basin.

3.4 CURRENT USES OF ADJOINING PROPERTIES

Kleinfelder performed a brief drive-by survey of the properties adjoining to the Subject Property on June 9, 2022. A summary of the surrounding properties is presented in Table 3-4 and shown on Figure 5.

Table 3-4: Adjoining Properties

LAND USE DESCRIPTION	GENERAL DIRECTIONS FROM SUBJECT PROPERTY
Public Restrooms, Sewer Pump Station	NORTH
Multi-Tenant Commercial (4960 North Harbor Drive), Boat Docks	NORTHWEST
Naval Base Point Loma military facility	NORTH, NORTHEAST, EAST, and SOUTHEAST
America's Cup Harbor	NORTHWEST, WEST, SOUTHWEST, SOUTH, and SOUTHEAST

Hazardous materials and petroleum products were not directly observed to be stored on the properties adjoining to the Subject Property at the time of the site reconnaissance. See Section 6 for a summary of the site reconnaissance.

4 RECORDS REVIEW

4.1 STANDARD ENVIRONMENTAL RECORD SOURCES

The purpose of the records review was to obtain and review records that would help to evaluate RECs of potential concern in connection with the Subject Property and bordering properties.

Federal, State, and local regulatory agencies publish databases or "lists" of businesses and properties that handle hazardous materials or hazardous waste or are the known location of a release of hazardous substances to soil and/or groundwater. These databases are available for review and/or purchase at the regulatory agencies, or the information may be obtained through a commercial database service. Kleinfelder contracted a commercial database service, EDR of Shelton, Connecticut to perform the government database search for listings within the appropriate ASTM Standard minimum search distance of the Subject Property. Kleinfelder provided EDR with a Subject Property map to incorporate the search distances from the Subject Property boundary. Included in The EDR Radius Map™ Report with GeoCheck® (EDR, 2022a) is a listing of specific databases outlined by the ASTM Standard. A listing of the search distances, databases evaluated, dates the databases were last updated, and types of information contained in each database are included in the regulatory database search provided as Appendix B to this report.

EDR utilizes a geographical information system to plot the locations of reported spills, leaks, incidents, etc. Kleinfelder reviews this information to help establish if the Subject Property, or nearby properties, have been included in the noted databases and lists. Each of the listings was reviewed to assess whether the corresponding property details included in the EDR report revealed a potential environmental impact to the Subject Property. A number of listings in the EDR database were found not to have the potential to impact the Subject Property based on the following, or a combination thereof:

- The listed property was located at a distance where the facility would be unlikely to impact the Subject Property based on Kleinfelder's evaluation of the relevant data in the EDR report and knowledge of the Subject Property vicinity.
- The listed property was located in a down-gradient or cross-gradient direction from the Subject Property, based on the anticipated direction of groundwater flow at the property being evaluated, and is located at a distance that would be unlikely to impact the Subject Property. Note that groundwater flow direction may be variable in the vicinity of the Subject Property and

determinations as to down- or cross-gradient direction were made only when groundwater flow direction was available for a specific property.

- The listed property was identified in the Underground Storage Tank (UST) or Small Quantity Generator (SQG) databases and was not on or immediately adjoining the Subject Property. The property was not listed in other databases that reported a release of a hazardous substance or petroleum product and/or was not listed as having environmental violations. The listing of a facility on these databases alone is not indicative of an unauthorized release.
- The listing for the facility suggested a short-term release had occurred (i.e., from incidental traffic accidents, or chemicals from illegal drug labs found at residences) with associated response actions completed.
- The quantity of the hazardous substances or petroleum product released from an off-site facility was not considered to have resulted in contamination above the most stringent criteria that would require regulatory action. Therefore, no impact to the Subject Property is anticipated.
- The listed property record indicates that the property was characterized, the reported release affected soil only, the listed property was not on or adjacent to the Subject Property, and the release was not recognized as indicative of area-wide conditions or was characterized as a soil removal action only.
- The listed property record indicates that contamination on the property is limited to relatively non-mobile contaminants, including polyaromatic hydrocarbons (PAHs) and metals, in soil only, on a non-adjacent property.
- The listed property record indicates that the case has been closed to the satisfaction of the designated lead regulatory agency and residual contamination, if present, is not considered likely to affect the Subject Property based on one or more of the criteria mentioned in the bulleted items above (referred in the ASTM Standard as an HREC).

Based on these criteria indicating no material threat of a release that affected the Subject Property and/or no release that could require future regulatory agency oversight, these listings were not evaluated further and are not discussed in the following sections.

4.2 RESULTS OF DATABASE SEARCH

The remaining property listings were reviewed to assess whether these properties had environmental releases, which may have resulted in RECs in relation to the Subject Property. The listed properties for which a reported release may have resulted in a REC were further assessed by performing a review of agency files available through the State Water Resources Control Board's (SWRCB) GeoTracker™ website (http://geotracker.waterboards.ca.gov/) and other relevant regulatory agency websites, to evaluate whether the listed release represents a potential impact to the Subject Property.

4.2.1 Subject Property Listings

The following summarizes the EDR listings that are associated with the Subject Property.

4900 North Harbor Drive, Driscoll

The Subject Property is listed in the California Hazardous Material Incident Report System (CHMIRS) database due to a diesel fuel release to America's Cup Harbor on August 12, 2019. A sheen on the water's surface was observed at the time of the incident. No information was reported in relation to the source of the release (e.g. from a marine vessel or from landside activities) or the precise location of the release.

Naut-A-Care, 4900–4930 North Harbor Drive

The Subject Property is listed in the HAZNET and the Hazardous Waste Tracking System (HWTS) databases due to historic hazardous waste manifests that were associated with the Subject Property. According to these databases, Naut-A-Care generated hazardous wastes on the Subject Property from 1998 to 2007, including waste and mixed oil, organic solids and residues, oil/water separation sludge, and oil-containing waste. This listing did not provide information on the specific processes that generated the wastes. However, based on our review of San Diego County Department of Environmental Health (DEH) records, summarized in Section 4.3.3, these wastes may have been generated from the storage and handling of bilge waste by Naut-A-Care. The DEH records indicate that Naut-A-Care generated bilge waste by servicing vessels at the Subject Property. No evidence of an underground oil-water separator, in association with the handling of bilge waste on the Subject Property, was identified.

Naut-A-Care, 4904 North Harbor Drive, Suite 105

The Subject Property is listed under the EDR Historical Auto Stations database. The listing indicates that a gasoline service station was present on the Subject Property in 1999. However, based on our review of the historical aerial photographs and our interview with the Client, it does not appear that a gasoline service station was present on the Subject Property. This listing may be associated with the bilge waste generation that was also reported for Naut-A-Care in 1999 by the County DEH (see Section 4.3.3).

SDCTY-Marine Biology Lab, 4918 North Harbor Drive

The Subject Property is listed in the San Diego County Hazardous Materials Management Division (HMMD), and California Environmental Reporting System (CERS) databases. This listing indicates that the City of San Diego Metro Wastewater Department held a San Diego County HMMD permit at Suite #201 (second floor of building), on the Subject Property, to generate hazardous waste. The San Diego County DEH completed compliance evaluation inspections for this permit from 2016 through 2021. Violations were reported by the San Diego County DEH for the Subject Property in 2016 and 2018 for failure to complete a site map, to annually certify the hazardous material business plan, to properly label hazardous waste containers, and for not making a hazardous waste manifest available for inspection. The EDR listing did not indicate the type or quantity of waste associated with the Marine Biology Lab. Because this listing was associated with a second floor suite and no chemical releases were reported, the Marine Biology Lab does not represent a REC. See Section 4.3.3 for inspection reports associated with the Marine Biology Lab.

Driscoll Marina LTD, 4918 North Harbor Drive

The Subject Property is listed in the RCRA Non-Generators/No Longer Regulated (NonGen/NLR) database. This listing indicates that universal waste was reported in association with the Subject Property. No violations were reported in association with this listing.

4.2.2 Off-site Listings

San Diego Fleet Antisubmarine Warfare Training Center/Naval Base Point Loma

This military facility adjoins the Subject Property to the east (see Figure 5). This facility is listed under various databases including UST, AST, CERS, RESPONSE, and ENVIROSTOR databases. Several listings were reported in close proximity to the Subject Property (one 1,400-gallon diesel fuel UST that caused soil contamination at Building 50 and one 1,400-gallon heating oil/fuel oil UST that caused groundwater contamination at Building 7) (see Page 1 of Appendix C for the facility's building location map). According to GeoTracker, individual UST cases were opened for each building and, as of 2004, the cases have been closed by the San Diego Regional Water Quality Control Board. No other specific information was available regarding the cases for Buildings 7 or 50 to evaluate the impact to the Subject Property. The UST cases associated with Naval Base Point Loma for Buildings 7 and 50 are considered a REC.

Former Bay City Marine/Harbor Fuel Dock, 4960 North Harbor Drive

This facility is located approximately 200 feet northwest of the Subject Property and is listed under the LUST database, San Diego County SAM/HMMD, SWEEPS UST, HIST UST, Cortese, ENF, CIWQS, and CERS databases. This site was historically a boat building and repairing facility. Eight USTs, ranging from 8,000 to 10,000 gallons and containing gasoline or diesel fuels, were removed from the site in 1994. During tank removal, gasoline and diesel contamination was detected in soil and groundwater and free product was observed to be seeping into the harbor. The soil and groundwater contamination were remediated by soil excavation and free product recovery. The LUST case was closed in 2000 by the San Diego County DEH. It was reported that residual soil and groundwater contamination remained after LUST case closure. The direction of groundwater flow was reportedly south toward the harbor. Due to the close proximity of this site to the Subject Property and potential for residual contamination to migrate toward the Subject Property, this site is considered a REC.

4.2.3 Orphan List

Sites not plotted by EDR due to poor or inadequate address information are referred to as orphan sites. Sixteen orphan off-site facilities are listed in the EDR Radius Map™ Report with GeoCheck®. The listed orphan sites fall under one or more of the criteria listed in Section 4.1 and do not represent a hazardous waste impact to the Subject Property.

4.3 OTHER RECORDS REVIEWED / AGENCIES CONTACTED

The following additional sources of environmental records were reviewed during this Phase I ESA for the purposes of meeting the ASTM Standard. Local regulatory agencies were contacted for reasonably ascertainable and practically reviewable documentation regarding RECs present at the Subject Property and adjoining facilities. Summaries of interviews with local regulatory agency representatives are included in Section 7 of this report (with interview documentation included in Appendix C). The following agencies (if marked with an "X") were contacted for documentation:

- ☒ State of California, Geologic Energy Management Division (CalGEM)
- ☒ San Diego County Air Pollution Control District (APCD)
- ☒ San Diego County Department of Environmental Health and Quality (DEH)
- ☒ State Water Resources Control Board, GeoTracker™ / San Diego Regional Water Quality Control Board (RWCQB)
- ☒ State Department of Toxic Substances Control (DTSC)
- ☒ Pipeline and Hazardous Materials Safety Administration (PHMSA), National Pipeline Mapping System (NPMS)
- ☒ City of San Diego, Development Services Department, Building Permits

☒ United States Environmental Protection Agency Resource Conservation and Recovery Act Information (RCRAInfo)

☒ State Water Resources Control Board Stormwater Multiple Application and Report Tracking System (SMARTS)

Information from these agencies is presented below.

4.3.1 State of California, Geologic Energy Management Division

Information concerning oil and gas fields was obtained by Kleinfelder from the State of California's CalGEM Well Finder database (https://maps.conservation.ca.gov/doggr/wellfinder/#openModal). Based on our review of the database, the Subject Property is not depicted within the boundaries of a known oil or gas field. In addition, no oil or gas wells are depicted on the Subject Property, or in the immediate vicinity of the Subject Property. A copy of the CalGEM Well Finder search results is included in Appendix C.

4.3.2 San Diego County Air Pollution Control District

The APCD maintains permits, violations, and or complaints pertaining to air emissions. A request for information for the Subject Property was submitted to the APCD on June 6, 2022. Based on a June 6, 2022 email response from the APCD, records were not available for the Subject Property. A copy of the APCD response is included in Appendix C.

4.3.3 San Diego County Department of Environmental Health

A written request for information was submitted on June 7, 2022, to the San Diego DEH for information pertaining to the Subject Property. The San Diego DEH provided records associated with the Subject Property on June 7, 2022. The following information is a summary of the records provided by the San Diego DEH. Copies of these records are included in Appendix C.

On October 6, 1992, Engineering Science Applications submitted a *Boring Logs and Laboratory Data* report to the San Diego County DEH, in association with a soil and groundwater investigation at the Subject Property. The Subject Property address was listed as 4904–4922 North Harbor Drive and the name of the Subject Property at the time of the investigation was "Fisherman's Village." The purpose of the investigation was to assess petroleum hydrocarbon contamination; however, the source of contamination was not identified. The investigation included drilling six soil borings, throughout the Subject Property, to depths ranging from 6 to 8 feet below ground surface (bgs). A slight diesel odor was reported between approximately 0 and 3 feet bgs at the boring located southeast of 4904 North Harbor Drive. The laboratory analytical results indicate that total recoverable petroleum hydrocarbons (TRPH) were detected at 24 and 51 milligrams per kilogram (mg/kg) in soil samples composited from multiple locations and depths. Additionally, in the boring located southeast of 4904 North Harbor Drive, TRPH was detected at 90 mg/kg at 2 feet bgs and at 1.7 milligrams per liter in groundwater. Engineering Science Applications did not include recommendations as part of their report, based on the results of their investigation.

On November 5, 1993, the City of San Diego's Marine Biology Laboratory signed an Onsite Hazardous Waste Treatment Notification Form in association with 4918 North Harbor Drive, Suite #101 on the Subject Property. The notification form indicates that the facility was assigned a United States Environmental Protection Agency ID Number (CAL000098749) to treat five gallons per month of acidic wastewater by pH adjustment or neutralization methods. The wastewater would be generated from glassware cleaning procedures. After treatment, the wastewater would be discharged as non-hazardous aqueous waste to the public sewer system. The notification form was submitted to the California Department of Toxic Substances Control (DTSC). On March 3, 1994, the DTSC acknowledged receipt of the notification form.

Between 1995 and 2021, the San Diego DEH conducted routine compliance inspections at the Subject Property as part of on-site management of hazardous materials and waste. The street addresses listed below may represent more than one building or area on the Subject Property and are not necessarily associated with the three current building addresses on the Subject Property. Our summary of the compliance inspections is included below.

1995 – Driscoll's Wharf, 4904 N. Harbor Dr – Four 55-gallon drums and one 30-gallon plastic container were observed in the waste oil storage area. The San Diego County DEH reported that the drums and containers were not adequately labeled and that nobody onsite was trained to manage the oil storage area properly.

1996 – City of San Diego Marine Biology Laboratory, 4918 N. Harbor Dr., Suite 101 – Three one-gallon cans of thinner waste and four small cans of epoxy/paint were observed and were not properly labeled as hazardous waste. Transfer of waste oil from servicing boats and acid neutralization activities were also observed on the Subject Property. Although the inspection was conducted at the City of San Diego Marine Biology Laboratory, the inspection does not indicate whether the transfer of waste oil from servicing boats was associated with laboratory activities or with other activities at Driscoll's Wharf. The inspection also does not indicate the quantity of waste oil or how the transfer of waste oil was being conducted.

1997 – City Marine Biology Laboratory, 4918 N. Harbor Dr., Suite 101 – Acetone, formaldehyde, and ethanol were observed on the Subject Property.

1998 – Driscoll's Wharf, 4904 N. Harbor Dr. – One used oil tank was observed and was not labeled properly. No information regarding the size or type of tank or the specific location of the tank was identified in the inspection report.

1999 – City of San Diego Marine Biology Laboratory, 4918 N. Harbor Dr. – The laboratory indicates that they have expanded into Suite #106A on the Subject Property. The San Diego County DEH indicates that the facility may qualify for exemption from tiered permitting regulations.

1999 – A San Diego County DEH Complaint Form was filed for Naut-a-Care Marine Services at 4904 North Harbor Drive. The complaint alleges that Naut-A-Care at Suite 206 (second floor of building) has two 300-gallon tanks used to store bilge waste/water and that the tanks were emptied by a company called "Evergreen" that uses hoses from their tanker trucks to empty out the tanks. The complainant was concerned due to the system used to store the bilge wastes. Naut-A-Care reportedly generated waste oil from servicing vessels at the Subject Property.

2000 – The City of San Diego requests the San Diego County DEH to remove the laboratory from permitting regulations. Additionally, Naut-a-Care Marine Services notified the San Diego County DEH that they went out of business as of February 1, 2000.

2001 – Driscoll's Wharf, 4904 N. Harbor Dr. – No hazardous materials of reportable quantity were observed by San Diego County DEH.

2002 – City of San Diego Marine Biology Laboratory, 4918 N. Harbor Dr., Suite 101 – The treatment of hazardous waste was observed (formaldehyde used to treat sediment samples) on the Subject Property. The rinsate generated from the treatment process was discharged to the sewer. The San Diego County DEH reported that hazardous material containers in flammable storage locker Room #107 were damaged.

2003 – City of San Diego Marine Biology Laboratory, 4918 N. Harbor Dr., Suite 101 – No violations were reported by the San Diego County DEH.

2004 – City of San Diego Marine Biology Laboratory, 4918 N. Harbor Dr., Suite 101 – The facility was closed by the City of San Diego, all wastes were removed, and a permit was no longer required.

2005 – Driscoll's Wharf, 4904 N. Harbor Dr. – Two plastic containers were observed in the hazardous waste storage area. One container was used to store old paint thinner, and one container was unlabeled. Carpet around an aboveground waste oil tank, in the hazardous waste storage area, was observed to be contaminated with waste oil. Details of the size or type of waste oil tank were not identified in the inspection report. The Subject Property's Office Manager, Cynthia Price, signed the inspection report.

2006 – Driscoll's Wharf, 4904 N. Harbor Dr. – One used oil AST and two 55-gallon drums were missing labels. The San Diego County DEH reported that an AST and one 55-gallon plastic container were left open. Details of the size or type of AST or the specific location on the Subject Property were not identified in the inspection report.

2008 – Driscoll's Wharf, 4918 N. Harbor Dr. – Two 8-gallon cylinders of propane and a waste oil AST were observed. Details of the size or type of waste oil tank or the specific location on the Subject Property were not identified in the inspection report. Disposal records for used/oil absorbents and pads were reportedly not available for the last three years for San Diego County DEH's review. One 100-gallon AST was used to dip lobster cages into tar. The specific location on the Subject Property of the 100-gallon AST was not identified in the inspection report. Photographs of the hazardous waste storage area shows a concrete slab containment structure for the waste oil AST. Oily debris was observed on the base of the secondary containment. This area appears to be where the current hazardous materials storage shed is located. Additional photographs were provided showing three 55-gallon drums of used oil rags, filters, and litter as well as showing the secondary containment structure being raised to clean the base of the containment area. The Subject Property's Office Manager, Cynthia Price, signed the inspection report.

2011 – Driscoll's Wharf, 4918 N. Harbor Dr. – Two propane tanks, one 375-gallon used oil AST, two 55-gallon drums for used oily rags, and one 55-gallon drum for used filters were observed. A violation for keeping used oily rag drums onsite for more than 180 days was reported. The specific location of the waste storage on the Subject Property was not identified in the inspection report. The 375-gallon used oil AST was not observed during Kleinfelder's site reconnaissance.

2013 – Driscoll's Wharf, 4918 N. Harbor Dr. – The same quantities of hazardous material, as observed during the 2011 inspection, were reported, with the addition of one 30-gallon waste gasoline drum. The specific location of the waste storage on the Subject Property was not identified in the inspection report.

2016 – Driscoll's Wharf, 4918 N. Harbor Dr. – Two 55-gallon used oil drums, two 55-gallon soiled rags/absorbent drums, and one 55-gallon with an unknown red liquid drum were observed. This drum was labeled later by Driscoll's Wharf as "red-dye diesel." The activity associated with the use or generation of "red-dye diesel" was not reported and the specific location of the waste storage on the Subject Property was not identified in the inspection report.

2018 – Driscoll's Wharf, 4918 N. Harbor Dr. – Propane tanks, two 55-gallon used oil drums (empty), one 55-gallon metal filters drum (empty), one 55-gallon oily absorbent drum (empty), and one trailer-mounted diesel generator (capacity unknown) located on the offloading pier (Pier 4) were observed. A diesel generator on Pier 4 was not observed during Kleinfelder's site reconnaissance.

2021 – Driscoll's Wharf, 4918 N. Harbor Dr. – The inspection indicated that waste containers were closed and in good condition; however, the San Diego County DEH did not report the specific types or quantities of hazardous waste that were on-site.

4.3.4 State Water Resources Control Board, GeoTracker / San Diego Regional Water Quality Control Board

Kleinfelder reviewed the SWRCB GeoTracker™ website (https://geotracker.waterboards.ca.gov/) on June 8, 2022 for information pertaining to the Subject Property and adjoining properties of concern. No information was available pertaining to the Subject Property. The following information is a summary of adjoining properties. Copies of the GeoTracker™ search results are included in Appendix C.

Commercial Basin (America's Cup Harbor) Harbor Drive (adjoins northwest)

This GeoTracker case is for the Commercial Basin (America's Cup Harbor), which the Subject Property is a part of. However, upon review of the documents associated with the case, the Subject Property does not appear to be included as part of this case as described below.

In an e-mail dated October 24, 2018, the San Diego RWQCB requested information from the San Diego Unified Port District regarding a parcel of land and storm drain collection areas to the northwest of the Subject Property (no address was provided by the San Diego RWQCB).

At the request of the San Diego Unified Port District, Kleinfelder prepared a Historical Assessment for Commercial Basin (America's Cup Harbor) (Kleinfelder, 2019). The Historical Assessment was included in the documents for this GeoTracker case. According to the Historical Assessment, the San Diego RWQCB issued Cleanup and Abatement Orders in 1988 and 1989 to seven boatyards adjacent to the Commercial Basin (America's Cup Harbor) for the discharge of waste that caused elevated levels of copper, mercury, and TBT in bay sediment. The Subject Property was not identified by the San Diego RWQCB as a source of copper, mercury, or TBT contamination to the harbor and the Subject Property was not included in the

Cleanup and Abatement Orders. At the facility closest to the Subject Property (Bay City Marine), which adjoins the Subject Property to the northwest, impacted sediment extended to approximately four feet below the top of the bay sediment. Cleanup and Abatement Order No. 88-79 was issued for Bay City Marine, due to boat repair and maintenance activities that allegedly resulted in the discharge of waste to the bay. Remediation of sediment, by dredging, was implemented at the facility and remediation was completed by 1997. The boundaries of the extent of remediation were not included in the Historical Assessment.

Due to the proximity of contaminated sediments to the Subject Property, there is a potential that contaminated sediments have migrated and are present on the Subject Property. Therefore, the historic presence of contaminated sediments within the Commercial Basin (America's Cup Harbor) is considered a REC.

Bay City Marine Boatyard (adjoins northwest)

This listing provides additional information related to contaminated sediments at the adjacent Bay City Marine facility. A Woodward-Clyde Consulants map from 1990 depicts interpreted copper concentrations, up to approximately 500 mg/kg, and interpreted mercury concentrations, up to approximately 5 mg/kg, extending onto the northern portion of the Subject Property. The interpreted concentrations are based on sediment samples collected adjacent to the north of the Subject Property. No sediment samples are depicted on the Subject Property. A JNE & Associates, Inc. letter from 1993, entitled *Sampling Plan for Determining Suitability of Commercial Basin Sediments for Upland Disposal,* indicates that the Cleanup and Abatement Orders for the Commercial Basin boatyards require clean-up of copper concentrations to 530 mg/kg and mercury concentrations to 4.8 mg/kg. The letter includes a map showing the property dredging area for Bay City Marine. The dredging area is depicted approximately 150 feet northwest of the Subject Property.

San Diego Fleet AntiSubmarine Warfare Training Center Pacific (Naval Base Point Loma Harbor Drive) (adjoins east) – *See Section 4.2.2 for a summary of listings for this facility.*

Harbor Fuel Dock, 4960 North Harbor Drive (adjoins northwest) – *See Section 4.2.2 for a summary of listings for this facility.*

4.3.5 State Department of Toxic Substances Control

A request for information for the Subject Property was submitted to the DTSC on June 7, 2022. Based on a June 9, 2022 email response from the DTSC, records were not available for the Subject Property. A copy of the DTSC response is included in Appendix C.

Kleinfelder also reviewed the DTSC EnviroStor online database (https://www.envirostor.dtsc.ca.gov/public/) on June 8, 2022 for information pertaining to the Subject Property and adjoining properties. Records were not available for the Subject Property. The following information is a summary of adjoining properties. Copies of the DTSC EnviroStor search results are presented in Appendix C.

Fleet Anti-Sub Warfare Training Center, North Harbor Drive and McDonough Road (adjoins east) – See Section 4.2.2. for a summary of listings for this facility.

4.3.6 Pipeline and Hazardous Materials Safety Administration, National Pipeline Mapping System

Pipeline information is available at the PHMSA's online NPMS (https://pvnpms.phmsa.dot.gov/PublicViewer/). Kleinfelder researched pipeline information on the NPMS for the Subject Property and vicinity on June 7, 2022. Based on Kleinfelder's review of the NPMS website, no mapped natural gas transmission pipelines or hazardous liquid pipelines are located on Subject Property, or on properties that adjoin the Subject Property. A copy of the NPMS map is included in Appendix C.

4.3.7 City of San Diego, Development Services Department, Building Permits

Kleinfelder accessed the City of San Diego, Development Services Department online database, on June 8, 2022, for building permits associated with the Subject Property after 2002. Based on our search of the database, no building permits were available for the Subject Property.

4.3.8 United States Environmental Protection Agency RCRAInfo Search

Kleinfelder accessed the United States Environmental Protection Agency's RCRAInfo Search online database for hazardous waste information pertaining to the Subject Property. Based on our search of the database, no information was available for the Subject Property.

4.3.9 State Water Resources Control Board Stormwater Multiple Application and Report Tracking System (SMARTS)

Kleinfelder accessed the State Water Resources Control Board's SMARTS online database for stormwater reports associated with the Subject Property. Based on our search of the database, no reports were available for the Subject Property.

4.4 PHYSICAL SETTING SOURCE(S)

Table 4-1 presents information concerning the physical setting of the Subject Property. This information was obtained from published maps.

Table 4-1: Physical Setting

DATA	GENERAL INFORMATION
USGS TOPOGRAPHIC QUADRANGLE	Based on a review of the United States Geological Survey (USGS) Point Loma, California 7.5-Minute Series (Topographic) Quadrangle Maps dated 2021, the Subject Property is located at approximately 0 to 20 feet above mean sea level (msl). The topographic relief is generally flat in the Subject Property vicinity, sloping toward the San Diego Bay.
SOIL TYPE	Based on information in the EDR Radius Map™ Report with GeoCheck®, the vicinity of the Subject Property is designated as urban land with variable soil textures (EDR, 2022a; Appendix B).
OIL AND GAS WELLS	Kleinfelder reviewed the State of California CalGEM Well Finder database (https://maps.conservation.ca.gov/doggr/wellfinder/#openModal) for oil and gas wells that may be located on the Subject Property and in the Subject Property vicinity. The Subject Property is not depicted within the boundaries of a known oil or gas field. In addition, no oil or gas wells are depicted on the Subject Property, or in the immediate vicinity of the Subject Property. Results of the well search is provided in Appendix C.

Information about the regional geology is presented in Table 4-2. This information was obtained by Kleinfelder from published data and maps, interviews with public agencies, and/or previous investigations performed by Kleinfelder in the Subject Property vicinity.

Table 4-2: Regional Geology and Hydrogeology

PHYSICAL PARAMETER	INFORMATION/COMMENTS
REGIONAL PHYSIOGRAPHY AND GEOLOGY	The Subject Property is located within the Peninsular Ranges Geomorphic Province. The Peninsular Ranges consist of a series of ranges separated by northwest trending valleys, subparallel to faults branching from the San Andreas Fault. The Peninsular Ranges extend into lower California and are bound on the east by the Colorado Desert. The geology is similar to the Sierra Nevada Geomorphic Province, with granitic rock intruding the older metamorphic rocks (California Geological Survey [CGS], 2002).
REGIONAL HYDROGEOLOGY	The Subject Property is not located within a named groundwater basin. Areas to the west of Interstate 5 do not have designated beneficial uses for groundwater are excepted from the sources of drinking water policy (RWQCB, 1994).
DEPTH TO GROUNDWATER AND DIRECTION OF ANTICIPATED FLOW [1]	Groundwater was encountered at 7 feet bgs on the Subject Property during an environmental investigation in 1992 (Engineering Science Applications, 1992). The anticipated direction of groundwater flow in the vicinity of the Subject Property is to the southwest and southeast, toward America's Cup Harbor and San Diego Bay.
REGIONAL GROUNDWATER QUALITY PROBLEMS	Regional groundwater quality problems were not specifically identified in the vicinity of the Subject Property.
WATER SUPPLY	Water is supplied to the Subject Property by the City of San Diego.
FLOOD ZONE DESIGNATION	According to *The EDR Radius Map™ Report with GeoCheck®,* the Subject Property is not located within a flood zone (EDR, 2022a).

[1] Groundwater flow direction is based on regional information sources. Site-specific conditions may vary due to a variety of factors including geologic anomalies, utilities, nearby pumping wells (if present), and other factors.

4.5 USER PROVIDED INFORMATION

Kleinfelder understands that the Client has requested a Phase I ESA to establish existing conditions on the Subject Property. Information regarding the current owners/occupants of the Subject Property is summarized in Table 4-3.

Table 4-3: Owner / Occupant Information

ENTITY	NAME
OWNER	San Diego Unified Port District owns the Subject Property. Driscoll's Wharf is a current leaseholder.
OCCUPANT(S)	The Subject Property is occupied by numerous subtenants listed below, by building: 4904 North Harbor Drive Chula Seafood Tunaville Market and Grocery 4918 North Harbor Drive Miramar Canvas & Upholstery City of San Diego VSSL Driscoll's Wharf offices Law Office of Michelle Paul Barclay Management 4922 North Harbor Drive Semantic AI

Summaries of interviews of key individuals with knowledge of the Subject Property ("Key Subject Property Managers") are provided in Section 7. The following sections present information provided to Kleinfelder by the Client.

4.5.1 Title Records

Chain-of-title (COT) information was not provided by the Client for this Phase I ESA.

4.5.2 Environmental Liens and Usage Limitations

According to information provided in EDR's regulatory agency database search report (EDR, 2022a), there are no liens pertaining to the Subject Property listed in the Federal Superfund Liens List maintained by US EPA, and no known recorded land-use environmental deed restrictions pertaining to the Subject Property listed in the State Liens Database. Kleinfelder's review of the *EDR Environmental Lien and AUL Search* report (EDR, 2022b) indicates there are no environmental liens or activity and use limitations (AULs) associated with the Subject Property. The *EDR Environmental Lien and AUL Search* report includes a Corporation Grant Deed, dated December 30, 1992, between CCB Bancorp, Inc. and Driscoll Marina, LTD. A copy of the report is provided in Appendix D.

4.5.3 Value Reduction

As part of the ASTM Standard Designation E1527-13 process, information is to be gathered regarding the prospective purchase price of the Subject Property relative to its fair market value. If there appears to be a value reduction, that reduction must be identified with respect to whether the difference could be attributed to environmental degradation of the property. However, the Client (San Diego Unified Port District) owns the Subject Property and this Phase I ESA is not being conducted as part of a property transaction.

4.5.4 Other Information/Documents Provided

Kleinfelder reviewed the San Diego Unified Port District's environmental database for documents related to the Subject Property (see Section 5.6).

5 HISTORICAL USE INFORMATION

The history of the Subject Property was researched to identify obvious uses. Historical land use was researched to the first developed use, or back to 1940, whichever was earlier or readily available. Table 5-1 summarizes the availability of information reviewed during this assessment.

Table 5-1: Historical Information Sources

SOURCE	YEARS REVIEWED	SOURCE / AVAILABILITY
SANBORN FIRE INSURANCE MAPS	Not available	EDR, 2022c
AERIAL PHOTOGRAPHS	1928, 1949, 1953, 1964, 1966, 1970, 1979, 1985, 1990, 1994, 1997, 2002, 2005, 2009, 2012, 2016	EDR, 2022d
CITY DIRECTORIES	1903 through 2017 (select years)	EDR, 2022e
HISTORICAL TOPOGRAPHIC MAP REPORT	1904, 1930, 1942, 1953, 1967, 1975, 1991, 1994, 1996, 2012, 2015, 2018	EDR, 2022f
BUILDING DEPARTMENT	Not applicable	Not applicable
PREVIOUS ASSESSMENT(S)	Not applicable	Not applicable

5.1 SANBORN FIRE INSURANCE MAPS

Sanborn Fire Insurance Maps provide historical land use information for some metropolitan areas and small, established towns. Kleinfelder requested EDR to search its library of Sanborn Fire Insurance Maps for maps of the Subject Property. EDR indicated that no Sanborn maps were found for the Subject Property. A copy of the Certified Sanborn® Map Report (EDR, 2022c) provided by EDR is included in Appendix D.

5.2 AERIAL PHOTOGRAPHS

A review of historical aerial photography may indicate past activities at a property that may not be documented by other means or observed during a reconnaissance visit. The effectiveness of this technique depends on the scale and quality of the photographs and the available coverage. Aerial photographs were obtained from several historical photograph collections through EDR (2022d) and span a period of 88 years. A tabulation of the aerial photographs reviewed by Kleinfelder is presented in Table 5-2. Copies of the aerial photographs provided by EDR are included in Appendix D.

Table 5-2: Historical Aerial Photographs Reviewed

YEAR	APPROXIMATE SCALE	SUMMARY
1928	1" = 500'	**Subject Property:** The Subject Property is located within the waters of San Diego Bay (the land has not been filled in). **Surrounding Area:** The immediate vicinity is located within the waters of San Diego Bay (the land has not been filled in).
1949	1" = 500'	**Subject Property:** The land at the Subject Property has been filled in. There appears to be a road through the Subject Property extending from the northwestern boundary to the southeastern boundary. Three boat piers have been constructed; however, no boats appear to be docked at the piers. Additionally, there do not appear to be any buildings on the Subject Property. **Surrounding Area:** The areas generally to the northeast and east of the Subject Property appear to be developed, similar to the current Naval Base Point Loma military facility. Three large, rectangular buildings associated with Naval Base Point Loma are located adjacent to the Subject Property, to the northeast and east. The building located furthest to the south appears similar to the currently existing building on Naval Base Point Loma. Other various buildings on Naval Base Point Loma are depicted adjacent to the Subject Property, to the north. The land to the northwest of the Subject Property (near existing 4960-4980 North Harbor Drive) appears to be developed for commercial and fishing-related purposes including several buildings and structures, a boat docked on dry land (which may indicate boat repair activities), and multiple boating piers. There appears to be a dock adjacent to the southeast of the Subject Property. North Harbor Drive is depicted north of the Naval Base Point Loma facility.
1953	1" = 500'	**Subject Property:** Additional piers have been constructed and small boats appear to be docked at the piers. There are a total of five piers on the Subject Property, similar to the layout existing piers. **Surrounding Area:** The surrounding area generally appears similar to the previous aerial photograph.
1964, 1966, 1970	1" = 500'	**Subject Property:** The Subject Property generally appears similar to the previous aerial photograph. **Surrounding Area:** The surrounding area generally appears similar to the previous aerial photograph.
1979	1" = 500'	**Subject Property:** A building appears in the central portion of the Subject Property. **Surrounding Area:** The surrounding area generally appears similar to the previous aerial photograph.
1985	1" = 500'	**Subject Property:** The building depicted in the 1979 photograph appears to have been demolished. Two new buildings are depicted on the Subject Property. These buildings appear similar to the existing buildings located at 4904 and 4918 North Harbor Drive. **Surrounding Area:** The surrounding area generally appears similar to the previous aerial photograph.

Table 5-2: Historical Aerial Photographs Reviewed (continued)

YEAR	APPROXIMATE SCALE	SUMMARY
1990	1" = 500'	**Subject Property:** A third building is depicted on the Subject Property. This building appears similar to the existing building located at 4922 North Harbor Drive. The area along the eastern boundary of the Subject Property appears to be developed as a paved parking lot, similar to the existing parking lot. There appears to be fewer boats docked at the piers than in previous aerial photographs. **Surrounding Area:** Two of the large, rectangular buildings east of the Subject Property on Naval Base Point Loma are no longer depicted. The pier directly southeast of the Subject Property is no longer depicted.
1994, 1997	1" = 500'	**Subject Property:** The area between the buildings located at 4904 and 4918 North Harbor Drive appears to be used for material storage, similar to the existing use. **Surrounding Area:** The surrounding area generally appears similar to the previous aerial photograph.
2002, 2005	1" = 500'	**Subject Property:** The Subject Property generally appears similar to the previous aerial photograph. **Surrounding Area:** The commercial buildings to the northwest of the Subject Property (near existing 4960 North Harbor Drive) are no longer depicted.
2009, 2012	1" = 500'	**Subject Property:** The Subject Property generally appears similar to the previous aerial photograph. **Surrounding Area:** The commercial building to the northwest of the Subject Property (existing 4980 North Harbor Drive) has been constructed.
2016	1" = 500'	**Subject Property:** The Subject Property generally appears similar to the previous aerial photograph. **Surrounding Area:** The commercial building to the northwest of the Subject Property (existing 4960 North Harbor Drive) has been constructed. Several of the buildings located on Naval Base Point Loma, to the northeast of the Subject Property are no longer depicted.

Note: Aerial photographs only provide information concerning indications of land use, and no conclusions regarding the release of hazardous substances or petroleum products can be drawn from the review of photographs alone.

5.3 CITY DIRECTORIES

City directories provide information regarding property occupants by address. EDR provided a city directory image report (EDR, 2022e), included in Appendix D. Listings for the Subject Property and adjacent properties are summarized in Tables 5-3 and 5-4, respectively.

Table 5-3: City Directory Listings – Subject Property

YEAR(S)	OCCUPANTS
4900 North Harbor Drive	
2009	Driscoll Inc
4904 North Harbor Drive	
1955	San Diego Commercial Fishing Boat Owners Inc.
1960	San Diego Commercial Fishing Boat Owners Inc.
1961	Ernest Lapacek, San Diego Commercial Fishing Boat Owners Inc.
1966	Ernest Lapacek, San Diego Commercial Fishing Boat Owners Inc.
1970	Ernest Lapacek, Boat Landing Association, San Diego Commercial Marina, Western Fishing Boat Owners
1975	San Diego Commercial Marina Boat Landing
1980	L&W Communication Co Supplies, San Diego Commercial Marina Storage sales service & repr., Steve Skelley
1984	Galletti Brothers Food Fish Unloading Sta., L&W Communication Co Supplies sales service & repr.
1992	American Sea Food Co, American Search, Bruce McDonald Construction Management, Bruce Michael & Diessa, Continental Marine Services, Fishermans Wharf Fish Market, Don Gilbert, Mitch Hobron, Mark & Kimberly Hobscheld, Bob & Cathy Hobson, Brad & Carrie Hobson, Maritech Inc, Fred Ridder, David W Ridderbush
1994	American Sea Food Co, Fisherman's Wharf Fish Market, Don Gilbert, Mitch Hobron, International Marine Supply, K Welton General Contractor
1999	Action Six Pack Charters, Center for Performance Technology, Don Gilbert, Global American Language Institute, Manson Construction, Maritech Incorporated, Matson Maritime School USCG Exams, Naut A Care, Pacific Yacht Embroidery & Imprintables
2000	Action Six Pack, America Sea Food Co, Driscoll's Wharf, Embroidery & Imprintables, Don Gilbert, Global American Language Institute, Mitch A Hobron, Maritech Inc, Naut A Care, Pacific Yacht, Performance Tech, Ronald Young
2004	Mitch Hobron, Pacific Yacht Embroidery & Imprintables, Ronald Young, American Sea Food Co, Don Gilbert, Global American Language Institute, Maritech Ocean Ranching
2006	American Sea Food Co, American Communication English, TA Shumaker Jr
2009	American Sea Food Co, American Communication English, TA Shumaker Jr, Driscoll Yacht & Ship Brokerage
2014	American Sea Food Co, American Communication English, TA Shumaker Jr, Global Chemical, Marc Inc.
2017	Marc Inc.

Table 5-3: City Directory Listings – Subject Property (continued)

YEAR(S)	OCCUPANTS
4918 North Harbor Drive	
1992	Gary Benedict, Laura Coe Design, Richard A Lenz, Robert & Judy Lenz, Brian B Lovell Lin Graphic Design, Old San Diego Fishing Village, Old San Diego Plumbing, Security Off Shore, B Lloyd Enterprises jewelry, Fisherman’s Village
1994	Gary Benedict, Fisherman’s Village, Old San Diego Fishing Village
1999	B Lin Graphic Design, Laura Coe Design, Driscoll Marine Office, Brian B Lovell Lin Graphic Design, Ronald N Young Archt
2000	Laura Coe Design, Frank Cozza, Driscoll Marine, Dan Foam, R Harrisa
2004	Denny Chief, Cozza Design Inc, D&L Services, Driscoll’s Wharf, LA Feem, Laura Coe Design Associates, Nathan Roads Marine, Scamit, Team Tadros
2006	Royal Flush Management, George McConneli, Neptune Marine, Robert Jr, Peter Schlech Services, Team Tadros, Gorden Trimble, Yacht Rpr & Refinish Quantum Fiisk, Building 6, Carol Allen, Assist 2 Sell, vl lex R Bankaluk, Laurel Bassham, Bermie Blocker, Boatside, Laura Coe Design, Franlr Cozza
2009	Bay Pump, Driscoll’s Marina Ltd, Driscoll’s Wharf, Interpac Yachts Inc, Laura Coe Design Associates, Maritech Ocean Ranching Inc.
2014	Baggage Claimers, Barclay Management, Bay Pump, Celergy Networks Inc, Clergy Networks, Laura Coe Design, Del Mar Pacific Group LLC, Frny Holdings Inc, Hope Fl Architecture & Planning, Interpac Yachts Inc., Pearl River Packaging, Peter Schlech, Sports Arenas, TPG Partners Inc.
2017	Sea Power Incorporated, TPG Partners Inc, Aquarius Yacht Services, Baggage Claimers, Barclay Management, Bay Pump, Celergy Networks Inc, Clergy Networks, Del Mar Pacific Group, Forever Fiances Invitations, Intelligent Solutions LLC, Interpac Yachts Inc.
4922 North Harbor Drive	
1992	Australian Challenge for the America’s Cup
1994	Blue Crab Restaurant
1999	Blue Crab Restaurant, Logistech Inc, Maxcap Associates
2000	Blue Crab Restaurant, Logistech Inc, Maxcap Associates
2004	Occupant Unknown
2009	Semantic Research Inc.
2014	Semantic Research Inc.
2017	Semantic Research Inc.

Table 5-4: City Directory Listings – Adjacent Properties

ADDRESS(ES)	SUMMARY OF OCCUPANT(S)
Northwest	
4960 North Harbor Drive	Harbor Boat & Yacht Co boat builders, fuel dock (1955, 1960, 1961, 1966, 1970, 1985, 1980) Antone F Jelusich/David Carsten Harbor Boat & Yacht Co (1955, 1960) Mike Makipaa (1960) Bay City Marine (1984) America Cubed Foundation (1992, 1994) Point Loma Constructors (1994) Scott B Jones Yacht & Ship Brokers (1999) Abejon Rotary Power Corporation (1999) Driscoll Marina (1994, 1999, 2000) Driscoll Wharf (2006)

Based on the city directories reviewed, the adjoining address to the northwest (4960 North Harbor Drive) appears to be associated with commercial and fishing-related activities. Additionally, a company named Global Chemical was listed on the Subject Property in 2014. This Phase I ESA has not identified any evidence of specific chemical use, storage, or release on the Subject Property that is associated with this listing.

5.4 HISTORICAL TOPOGRAPHIC MAP REVIEW

Kleinfelder obtained information regarding historical topographic maps of the Subject Property vicinity from EDR (2022f). The topographic maps reviewed for this assessment are listed in Table 5-3 and copies of the maps are included in Appendix D.

Table 5-5: Historical Topographic Maps Reviewed

YEAR	SCALE	SUMMARY
1904 1930 1942	15-minute 15-minute 7.5-minute	**Subject Property:** The Subject Property is located within the waters of San Diego Bay (the land has not been filled in). **Surrounding Area:** The surrounding area is located within the waters of San Diego Bay (the land has not been filled in).

Table 5-5: Historical Topographic Maps Reviewed (continued)

YEAR	SCALE	SUMMARY
1953	7.5-minute	**Subject Property:** The Subject Property is depicted as developed land, including four piers. A road is depicted in the northeastern portion of the Subject Property. No individual buildings or structures are shown. **Surrounding Area:** The surrounding area is depicted as developed land. No individual buildings or structures are shown. Developed roads are located northwest, north, and northeast of the Subject Property. Piers are located northwest and southeast of the Subject Property. The area to the east of the Subject Property is labeled as a "Naval Reservation." Harbor Drive is located north of the Subject Property.
1967 1975	7.5-minute 7.5-minute	**Subject Property:** The Subject Property appears similar to the previous map. **Surrounding Area:** The surrounding area appears similar to the previous map. The area to the east of the Subject Property is labeled as "US Naval Res." And the harbor to the southwest of the Subject property is labeled as "Commercial Basin." Additional piers have been constructed northwest of the Subject Property.
1991	15-minute	**Subject Property:** The Subject Property appears similar to the previous map. **Surrounding Area:** The surrounding area appears similar to the previous map, with the addition of individual buildings shown on the US Naval Training Center to the east of the Subject Property.
1994	7.5-minute	**Subject Property:** The Subject Property appears similar to the previous map. **Surrounding Area:** The surrounding area appears similar to the previous map. No individual buildings or structures are depicted.
1996 2012 2015 2018	7.5-minute	**Subject Property:** The Subject Property appears similar to the previous map. **Surrounding Area:** The surrounding area appears similar to the previous map. The harbor to the southwest of the Subject Property is labeled as "America's Cup Harbor."
2012 2015	7.5-minute 7.5-minute	**Subject Property:** The Subject Property appears similar to the previous map. **Surrounding Area:** The surrounding area appears similar to the previous map.
2018	7.5-minute	**Subject Property:** The Subject Property appears similar to the previous map. **Surrounding Area:** The surrounding area appears similar to the previous map. The land to the east of the Subject Property is labeled as "NAVMINEASWCOM."

5.5 BUILDING DEPARTMENT

See Section 4.3.7.

5.6 PREVIOUS ASSESSMENTS

See Section 4.3.3 for a description of the October 1992 Engineering Science Applications environmental assessment conducted on the Subject Property.

Kleinfelder reviewed the San Diego Unified Port District's environmental database for documents related to the Subject Property. One document was identified in relation to the Subject Property and is summarized below.

Converse Environmental West, Report of Soil and Bay Sediment Characterization – Fisherman's Village 4904 North Harbor Drive

An environmental investigation was performed on the Subject Property and adjacent property to the north in June 1992 on behalf of Driscoll Incorporated. The report identifies the three commercial buildings on the Subject Property, from northeast to southeast, with the addresses of 4910, 4918, and 4922 North Harbor Drive. The purpose of the investigation was to assess potential contamination on the Subject Property. Three bay sediment samples were collected, and four soil borings were drilled on the Subject Property. Three additional soil borings were drilled to the north of the Subject Property. Soil samples were collected from 2.5 feet bgs and from approximately 5 to 6 feet bgs from each soil boring. The soil samples collected on the Subject Property were only analyzed for total petroleum hydrocarbons (TPH) by USEPA Method 8015. The soil samples collected north of the Subject Property were analyzed for TPH as well as volatile organic compounds (VOCs). Based on the laboratory analytical results, TPH was not detected in the soil samples collected on the Subject Property. TPH, benzene, toluene, and xylenes were detected in soil samples collected approximately 150 to 300 feet north of the Subject property. The borings to the north of the Subject Property were located near the former Bay City Marine LUST case described in Section 4.2.2.

The bay sediment samples were analyzed for metals, TBT, dibutyltin (DBT), and monobutyltin (MBT). Copper was detected up to 262 mg/kg, lead was detected up to 62.6 mg/kg, mercury was detected up to 2.9 mg/kg, and zinc was detected up to 253 mg/kg. Additionally, TBT was detected up to 17 micrograms per kilogram (µg/kg), DBT was detected up to 50 µg/kg, and MBT was detected up to 3 µg/kg. Based on the results of the investigation, Converse Environmental West did not recommend further investigation of soil or sediment on the Subject Property.

The copper, lead, and zinc concentrations detected in sediment on the Subject Property exceeded their respective Effects Range-Low (ERL) value and mercury exceeded the ERL and Effects Range-Medium (ERM) value (Long et al, 1995). The ERL and ERM values are typically used by regulatory agencies to evaluate metals concentrations in bay sediment. MBT does not have published regulatory limits in soil or sediment. Regulated concentrations of TBT and DBT typically apply to those detected in water, which was not sampled as part of the 1992 investigation. The detections of TBT, DBT, MBT, copper, lead, zinc, and mercury in bay sediments on the Subject Property represent a REC.

6 SITE RECONNAISSANCE

Kleinfelder's Phase I ESA activities included a site reconnaissance. This section summarizes the findings from the site reconnaissance.

6.1 METHODOLOGY AND LIMITING CONDITIONS

Mr. Stefan Birardi of Kleinfelder performed a site reconnaissance on June 9, 2022. The site reconnaissance included a visual inspection of the Subject Property to assist in identifying the presence or likely presence of hazardous substances or petroleum hydrocarbons under conditions that indicate an existing release, a past release, or threat of release into structures, soil, groundwater, or surface water at the Subject Property (i.e., RECs). Observations of readily apparent environmental conditions are summarized in Table 6-1, and color photographs of the Subject Property are presented on Figures 6a through 6i. The approximate Subject Property boundaries are shown on Figure 2.

6.2 GENERAL PROPERTY SETTING

The Subject Property consists of approximately 100,000-square feet of land area, 300,000-square feet of water area, 35,000-square feet of commercial office space, five fixed structure piers, a 750-foot-long concrete walkway, and a paved access road and parking lot. The Subject Property is owned by the San Diego Unified Port District and is generally surrounded by commercial and military properties.

6.3 PROPERTY OBSERVATIONS

Kleinfelder's Subject Property observations are summarized in Table 6-1.

Table 6-1: Subject Property Observations

GENERAL OBSERVATIONS	REMARKS	OBSERVED	NOT OBSERVED
Current use	The Subject Property consists of three commercial buildings and a commercial fishing wharf.	X	
Current use likely to indicate RECs	Hazardous material storage shed with heavy floor staining.	X	

Table 6-1: Subject Property Observations (continued)

GENERAL OBSERVATIONS	REMARKS	OBSERVED	NOT OBSERVED
Past use			X
Past use likely to indicate RECs			X
Structures	A total of five piers and three commercial buildings are present at the Subject Property. The shoreline is improved with riprap and a concrete walkway. 4922 North Harbor Drive is the southernmost building. 4918 North Harbor Drive is the central building. 4904 North Harbor is the northernmost building. One hazardous materials storage shed, one "fish chiller" trailer, one covered fishing materials storage area, and one fishing net mending structure were observed.	X	
Roads	One asphalt-paved access road with associated parking.	X	
Topography of Site and surrounding area	Generally flat, sloping slightly south.	X	
Interior and exterior observations or environmental conditions that may involve the use, storage, disposal or generation of hazardous substances or petroleum products.		**Observed**	**Not Observed**
Aboveground storage tanks (ASTs)	One empty, polyethylene AST was observed in the southeastern corner of the Subject Property.	X	
Below grade vaults	Utility-related vaults were observed.	X	
Burned or buried debris			X

Table 6-1: Subject Property Observations (continued)

GENERAL OBSERVATIONS	REMARKS	OBSERVED	NOT OBSERVED
Chemical storage	5-gallon containers of paint, various quantities (less than 5 gallons) of cleaners, oils, lubricants and containers of gasoline that appeared to be stored for future use, , propane cylinders used for forklift operation, and 55-gallon waste drums of used oil, oily water, rags and absorbent were located in the hazardous materials storage shed.	X	
Interior and exterior observations or environmental conditions that may involve the use, storage, disposal or generation of hazardous substances or petroleum products.		**Observed**	**Not Observed**
Chemical mixing areas			X
Discolored soil or water			X
Ditches, streams	A trench drain is located along the northern property boundary.	X	
Drains and piping	Two storm drain catch basins were observed along the northeastern boundary and one was observed at the trench drain. Floor drains were observed in the maintenance and storage room.	X	
Asbestos and Lead			X
Drums	Four 55-gallon drums of waste oily water, rags, and absorbent materials were located on secondary containment inside the hazardous materials storage shed.	X	
Electrical or hydraulic equipment (PCBs)	Three pad-mounted transformers were located at the Subject Property. Transformers appeared in good condition with no leaks observed.	X	
Fill dirt from an unknown source			X
Fill dirt from a known source			X
Hazardous chemical and petroleum products in connection with known use	Various quantities of gasoline, oils, and lubricants associated with boating operations.	X	

Table 6-1: Subject Property Observations (continued)

GENERAL OBSERVATIONS	REMARKS	OBSERVED	NOT OBSERVED
Hazardous chemical and petroleum products in connection with unknown use			X
Non-hazardous containers with contents	See Chemical Storage area above.	X	
Hazardous waste storage	Hazardous waste is stored in the hazardous materials storage shed in the central portion of the Subject Property.	X	
Heating and cooling system and fuel source	Heating and cooling are not provided to the buildings unless subtenants choose to install window-mounted air conditioning units.	X	
Interior and exterior observations or environmental conditions that may involve the use, storage, disposal or generation of hazardous substances or petroleum products.		**Observed**	**Not Observed**
Industrial waste treatment equipment			X
Loading and unloading areas	Commercial fishing vessels unload at Pier 4, which is the designated offloading pier.	X	
Odors			X
Pits, ponds, or lagoons			X
Pools of liquid			X
Process wastewater			X
Sanitary sewer system	Utility provided.	X	
Septic system (e.g., tank and leach fields)			X
Soil piles			X
Solid waste/evidence of unauthorized dumping			X
Stained pavement, soil or concrete	Heavy staining on the concrete inside the hazardous materials storage shed was observed in the vicinity of the drum storage area.	X	

Table 6-1: Subject Property Observations (continued)

GENERAL OBSERVATIONS	REMARKS	OBSERVED	NOT OBSERVED
Stains or corrosion (interior, non-water)	Heavy staining on the concrete inside the hazardous materials storage shed was observed in the vicinity of the drum storage area.	X	
Storm drains/catch basins	Two catch basins located along the northeastern boundary of the Subject Property.	X	
Stressed vegetation			X
Sumps and clarifiers			X
Surface water	America's Cup Harbor in the western portion of the Subject Property.	X	
UST(s) (including heating oil tanks)	Not observed. However, a site plan dated 1984 depicts a waste oil UST located north of Pier 5.		X
Unidentified substance containers			X
Wastewater discharge			X
Interior and exterior observations or environmental conditions that may involve the use, storage, disposal or generation of hazardous substances or petroleum products.		**Observed**	**Not Observed**
Water supplies (potable and process)	Water is provided from the City of San Diego.	X	
Wells (irrigation, monitoring, or domestic)			X
Wells (dry)			X
Wells (oil and gas)			X

6.4 RESULTS OF SITE RECONNAISSANCE

Mr. Birardi was accompanied by Mr. Patrick Barnett, the Dock Master for Driscoll's Wharf during the site reconnaissance. Mr. Barnett indicated he has been associated with the property for less than one year and has limited knowledge of prior activities.

The Subject Property consists of five piers used for commercial fishing vessel mooring (known as Driscoll's Wharf) and three buildings assigned the street addresses 4904, 4918, and 4922 North Harbor Drive. A summary of observations is provided below.

Kleinfelder accessed the Subject Property from the north by a private dead-end access road via North Harbor Drive. Kleinfelder was able to walk the interior and exterior portions of the Subject Property, with the exception of the building located at 4922 North Harbor Drive and several subtenant-occupied suites located at 4904 and 4918 North Harbor Drive. Mr. Barnett indicated that 4922 North Harbor Drive was occupied by a computer software company named Semantic AI. Semantic AI is a sublease of Driscoll's Wharf. The Subject Property was generally flat, sloping gently to the south and was improved with an asphalt paved parking lot and concrete walkway along the shoreline. Three multi-tenant commercial use structures are located on the Subject Property. The buildings located at 4904 and 4918 North Harbor Drive are two stories and are located in the northern and central portions of the property, respectively.

The site reconnaissance began at Pier 4, which is designated as the offloading pier. A crane was observed toward the end of the pier which is used to hoist fish and equipment during offloading. A fish-processing machine was located near the beginning of the pier. A "fish chiller" trailer that is used to store fish after vessels offload their inventory was located at the north property boundary. The trailer was equipped with refrigeration units that appeared to be in good condition. Kleinfelder did not witness any boat hull cleaning or painting activities at the time of the site reconnaissance.

Chula Seafood and Tunaville Market are subtenants on the first floor of 4904 North Harbor Drive. The second floor of 4904 North Harbor Drive appeared vacant and under renovation. Kleinfelder was only able to access the Tunaville Market. Both businesses process and package fresh seafood. Large refrigeration units were noted inside these businesses and a trench drain was located directly outside one of the side entrances to Chula Seafood, on the northwest side of the building (Figure 3). The trench drain was located in an area where Chula Seafood receives frozen fish delivery. Kleinfelder did not observe where this catch basin discharged. Additionally, no storm water Best Management Practices (BMPs) were observed at the trench drain. The San Diego Unified Port District provided a storm drain map of the Subject Property (Appendix C). The storm drain map does not depict the trench drain.

Multiple subtenants, including Miramar Canvas and the City of San Diego, occupied suites on the first floor of 4918 North Harbor Drive. Kleinfelder was only able to view Miramar Canvas from the doorway. Miramar Canvas appeared to actively use the suite as an upholstery/fabric shop. Based on our observation, it is unknown if Miramar Canvas was using or storing chemicals in their suite. Kleinfelder was not able to access the City of San Diego suite. Mr. Barnett was unaware of the activities performed in the suite occupied by the City of San Diego. Other suites on the first floor of 4918 North Harbor Drive were used as miscellaneous storage or were vacant spaces and appeared under renovation. Second floor subtenants included VSSL offices, a marketing and advertising company, Michelle Paul, a family law office, Driscoll's Wharf administrative office, subtenant restrooms, and vacant office space. The VSSL offices and the Michelle Paul family law office were not able to be accessed. Additionally, a small maintenance and storage room, operated by Mr. Barnett, was located on the first floor, in the northern portion of 4918 North Harbor Drive. The maintenance and storage room contained work benches, hand tools, fire extinguisher, empty buckets, and miscellaneous equipment (see Figure 6c – Photograph 6). No chemicals or petroleum products were observed other than one 1-gallon container of Spectracide weed control. Floor drains were observed within the maintenance and storage room. No evidence of spills or leaks were observed in the maintenance room and limited chemical storage was observed, therefore, the maintenance room is not considered a REC.

Kleinfelder accessed an enclosed hazardous materials storage shed, located in the central portion of the Subject Property. The shed is secured with a padlock to ensure unauthorized access is not granted. Mr. Barnett indicated that only himself and the owner of Chula Seafood had access to the shed. Mr. Barnett was unaware of how long the shed has existed on the Subject Property. Mr. Barnett indicated that the hazardous materials are generated by various subtenants and commercial boaters of Driscoll's Wharf. Mr. Barnett indicated that the subtenants would drop off waste in front of the shed, then Mr. Barnett would move the waste inside the shed. Mr. Barnett was unaware of which specific subtenants dropped off the waste. Mr. Barnett did not indicate who was responsible or what the process was for removing or disposing of the hazardous waste at the Subject Property. Furthermore, Kleinfelder did not witness any waste actively being generated by subtenants at the time of the site reconnaissance.

Within the hazardous materials storage shed, Kleinfelder observed various quantities (less than 5 gallons) of paints, household cleaners, oils, lubricants, and gasoline that were stored on shelving units and appeared to be stored for future use. Propane cylinders used for forklift operation were stored in a polyethylene box in the corner of the shed. Four 55-gallon waste drums containing waste oil, oily water, oily rags, and absorbents were located on secondary containment. Significant staining surrounding the drums was observed on the concrete flooring. A fishing net mending area, covered storage area, and fishing material storage areas were located between the buildings located at 4904 and 4918 North Harbor Drive. Mr. Barnett said that fishing vessel subtenants are allowed to store netting and equipment in these areas.

Three pad-mounted transformers were located on the Subject Property. The transformers appeared in good condition and staining was not observed on the surrounding concrete. Two catch basins (one clogged with debris) were observed along the northeastern boundary of the Subject Property (Figure 3). No storm water BMPs were observed at the catch basins. The storm drain map provided by the San Diego Unified Port District depicts three storm drain catch basins in the northeastern portion of the Subject Property. Of the three catch basins depicted on the storm drain map, only two catch basins were observed during the site reconnaissance. According to the storm drain map, the catch basins connect to an outfall on the shoreline of the Subject Property.

A material/debris storage area was located within a fenced-in area east of the building located at 4922 North Harbor Drive. The storage area contained a wooden trailer, a large empty, polyethylene AST, tarps, fishing equipment, and other miscellaneous debris. Directly outside the fenced area was wooden, concrete, and Styrofoam debris.

The Subject Property is adjoined by Naval Base Point Loma Harbor Drive facility to the east, America's Cup Harbor to the west, public restrooms and a sewer pump station to the northwest. Farther to the northwest includes multi-tenant commercial and retail properties. A drum storage area was observed on adjacent tidelands property to the north. The storage area is located between the Subject Property and the public restrooms/sewer pump station building. The storage area is enclosed with a chain-link fence with "Private Property" signage. The San Diego Unified Port District has indicated that this storage area is under control by the San Diego Moorings Company and that the San Diego Moorings Company uses the drums to store chains.

A site plan dated 1984 was made available to Kleinfelder during the site reconnaissance. The site plan depicts a waste oil UST located north of Pier 5 (see Figure 4). It is unknown if this UST was removed or is still present on the Subject Property. Additionally, Mr. Barnett did not have any knowledge of this UST. The waste oil UST represents a REC for the Subject Property.

7 INTERVIEWS

Key Subject Property Managers are contacted to obtain current and historical environmental information concerning the Subject Property. The following sections highlight information revealed during the interviews.

7.1 INTERVIEW WITH CLIENT

Mr. Paul Brown, Program Manager for the San Diego Unified Port District, was interviewed by Kleinfelder via telephone on June 17, 2022. Mr. Brown indicated that he was not aware of environmental liens filed or recorded against the Subject Property. Mr. Brown indicated that he was not aware of activity and use limitations in relation to environmental concerns on the Subject Property. Mr. Brown indicated that he was not aware of any environmental cleanups that have taken place at the Subject Property. Mr. Brown indicated that he was aware of poor housekeeping at the Subject Property in relation to equipment and vehicle maintenance and chemical storage (gasoline, diesel, lubricants, and paint). Reported incidents of poor housekeeping were investigated and corrected with the leasehold operator. Mr. Brown indicated that fisherman previously reclaimed lead cells from batteries on the Subject Property. Mr. Brown was unaware of where precisely this activity had occurred on the Subject Property. Mr. Brown indicated that the past use of the Subject Property was similar to the current fishing-related operations. The building located at 4922 North Harbor Drive was previously occupied by the Blue Crab restaurant.

The Port District provided a list of entities that previously leased the Subject Property from the Port District. The following summarizes the entities and their approximate lease dates:

- March 29, 1977 to November 28, 1979: San Diego Commercial Marina.
- November 28, 1979 to April 30, 1983: North Harbor Landing.
- May 17, 1983 to October 30, 1986: San Diego's Fisherman's Marina (f/k/a North Harbor Landing).
- October 30, 1986 to December 2, 1987: Mark A. Battaglia.
- December 2, 1987 to December 11, 1992: Commercial Center Bank.
- December 11, 1992 to December 16, 1992: CCB Bancorp., Inc.
- December 16, 1992 to present: Driscoll Marina, Ltd.

7.2 INTERVIEW WITH OWNER/OCCUPANTS

The Client (San Diego Unified Port District) owns the Subject Property. A summary of the Client interview is described previously in Section 7.1. An occupant of the Subject Property, Mr. Patrick Barnett, the Dock Master for Driscoll's Wharf, accompanied Kleinfelder during the site reconnaissance. However, Mr. Barnett had limited knowledge of the history of the Subject Property.

7.3 INTERVIEWS WITH LOCAL GOVERNMENT OFFICIALS

Information obtained from regulatory agencies, if applicable, contacted by Kleinfelder is discussed in Section 4.3.

8 EVALUATION

Kleinfelder performed this Phase I ESA of the Subject Property consistent with the scope and limitations of ASTM Designation E1527-13. The following sections describe Kleinfelder's findings and provide general background information about the Subject Property. Findings address RECs, HRECs, CRECs, and notation of *de minimis* quantities, as applicable to the Subject Property. In summary, Kleinfelder's assessment revealed the following information concerning the Subject Property:

- The Subject Property is located between 4900 and 4930 North Harbor Drive, San Diego. The three buildings on the Subject Property currently have addresses of 4904, 4918, and 4922 North Harbor Drive. The Subject Property consists of approximately 100,000-square feet of land area, 300,000-square feet of water area, 35,000-square feet of commercial office space, five fixed structure piers, a 750-foot-long concrete walkway, and a paved access road and parking lot.
- 4904 North Harbor Drive is currently occupied by Chula Seafood and Tunaville Market on the first floor. These businesses process and package fresh seafood. Large refrigeration units were noted inside these businesses. The second floor of the building appeared vacant and under renovation.
- 4918 North Harbor Drive is currently occupied on the first floor by Miramar Canvas (an upholstery/fabric shop that was not accessible during the site reconnaissance), City of San Diego (not accessible during site reconnaissance), a small maintenance and storage room used by Driscoll's Wharf, and spaces that were used as miscellaneous storage or were vacant and appeared undergoing renovation. Second floor subtenants of 4918 North Harbor Drive included VSSL offices (a marketing and advertising company), Michelle Paul (a family law office), Driscoll's Wharf administrative office, and vacant office space.
- The interior of the 4922 North Harbor Drive building was not accessible during the site reconnaissance. 4922 North Harbor Drive is occupied by Semantic AI (a computer software company).
- The Subject Property is currently and was historically used as a wharf for fishing boat mooring and recreational vessels. These activities have occurred on the Subject Property since at least 1953, when boats were first identified on the historic aerial photographs. Driscoll Marina Ltd. has leased the Subject Property from the San Diego Unified Port District since 1992.
- Other current and historical uses of the Subject Property have included the City of San Diego Marine Biology Laboratory, restaurants, and commercial offices.

- The use, storage, and generation of hazardous wastes, including petroleum hydrocarbons, paints, and solvents, have been documented on the Subject Property in association with boat maintenance and laboratory-related activities. These wastes are currently and have historically been stored in ASTs, drums, and a UST on the Subject Property. The UST was identified by Kleinfelder on a 1984 site plan. It is unknown if the UST was removed or is still present on the Subject Property.

- A hazardous materials storage shed was observed on the Subject Property. The shed contained paints, household cleaners, oils, and lubricants on shelving units, propane cylinders used for forklift operation were stored in a polyethylene box in the corner of the shed, and four 55-gallon drums containing waste oil, oily water, oily rags, and absorbents were located on secondary containment. Heavily stained concrete in the hazardous waste storage shed was observed during Kleinfelder's site reconnaissance.

- The area where the current hazardous materials storage shed is located, was previously used for outdoor hazardous materials storage. Photographs of this area in 2008 show a concrete slab containment structure for a waste oil AST. Oily debris was observed on the base of the secondary containment. Additional photographs show three 55-gallon drums of used oil rags, filters, and litter as well as the secondary containment structure for the waste oil AST being raised to clean the base of the containment area.

- Two environmental investigations were conducted in 1992 on the Subject Property. These investigations identified petroleum hydrocarbon contamination in soil and groundwater as well as copper, lead, zinc, mercury, TBT, DBT, and MBT contamination in bay sediment within the Subject Property boundaries. The copper, lead, and zinc concentrations exceeded their respective ERL value and mercury exceeded the ERL and ERM value (Long et al, 1995). The ERL and ERM values are typically used by regulatory agencies to evaluate metals concentrations in bay sediment.

- A LUST case reportedly impacted soil and groundwater at the adjacent property to the northwest of the Subject Property (4960 North Harbor Drive). The property at 4960 North Harbor Drive was historically a boat building and repairing facility. Eight USTs, ranging from 8,000 to 10,000 gallons and containing gasoline or diesel fuels, were removed from the site in 1994. During tank removal, gasoline and diesel contamination was detected in soil and groundwater and free product was observed to be seeping into the harbor. The soil and groundwater contamination were remediated by soil excavation and free product recovery. The LUST case was closed in 2000 by the San Diego County Department of Environmental Health. It was reported that residual soil and groundwater contamination remained after LUST case closure.

- Two closed LUST cases reportedly impacted soil and groundwater at the adjacent property to the east of the Subject Property (Naval Base Point Loma). The closed LUST cases were located on Naval Base Point Loma, in close proximity to the Subject Property, in association with a former 1,400-gallon diesel fuel UST and a former 1,400-gallon heating oil/fuel oil UST.
- A drum storage area was observed on adjacent tidelands property to the north. The storage area is located between the Subject Property and a public restrooms/sewer pump station building. The storage area is enclosed with a chain-link fence with "Private Property" signage. The San Diego Unified Port District has indicated that this storage area is under control by the San Diego Moorings Company and that the San Diego Moorings Company uses the drums to store chains.
- Elevated levels of copper, mercury, and TBT have been identified in bay sediment within America's Cup Harbor at nearby, historic boat repair, maintenance and other industrial facilities.

8.1 DEVIATIONS AND ADDITIONAL SERVICES

The scope of this Phase I ESA does not incorporate ASTM Standard non-scope considerations, such as ACMs, radon, LBP, lead in drinking water, wetlands, regulatory compliance, cultural and historical resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality/vapor intrusion, and high-voltage power lines.

8.2 CONCLUSIONS

Kleinfelder has performed this Phase I ESA, consistent with the scope of ASTM Standard Designation E1527-13 and incorporating procedures set forth in ASTM Standard Designation E1527-21, our Task Authorization No. 04, dated May 19, 2022, and limitations discussed in this report. Exceptions to and deviations from this practice are described in Section 8.1 of this report.

This assessment has revealed no evidence of RECs, CRECs or HRECs in connection with the Site, except for the following (see Figure 4 for REC locations):

RECs Identified on Landside Portion of Subject Property

1. The presence of petroleum hydrocarbons identified in soil and groundwater on the Subject Property during the 1992 environmental assessment conducted by Engineering Science Applications is considered a REC.

2. The waste oil UST, depicted on the 1984 site plan, on the Subject Property represents a REC, due to the potential for the UST to have leaked and impacted the surrounding soil and groundwater.
3. The lead battery reclamation that was conducted on the Subject Property, as identified by the San Diego Unified Port District (via Client interview) represents a REC. This activity may have impacted soil on the Subject Property.
4. The use of tar for lobster cages on the Subject Property represents a REC, due to the potential for soil to be impacted from this activity.
5. The fill material originally used to construct the tideland area at the Subject Property is considered a REC. The fill material has the potential to be contaminated from historic industrial and/or dumping activities in the area(s) where the fill material originated from.

RECs Associated with Hazardous Materials Storage Area/Shed

6. The heavy staining on the concrete floor of the hazardous materials storage shed, as identified during the site reconnaissance, represents a REC. Petroleum hydrocarbon waste is stored in this shed; therefore, based on the degree of staining, soil and groundwater below this area may be impacted.
7. The County of San Diego Department of Environmental Health reported waste oil-soaked carpet around a waste oil tank in 2005 in the former hazardous waste storage area on the Subject Property. The oil-soaked carpet around a waste oil tank is considered a REC, due to the potential for soil to have been impacted. The former hazardous waste storage area was located where the current hazardous materials storage shed is located. The County's inspection report indicates that the business name associated with the oil-soaked carpet was "Driscoll's Wharf" and the address was 4904 North Harbor Drive. The Subject Property's Office Manager, Cynthia Price, signed the inspection report.
8. The County of San Diego Department of Environmental Health reported oily debris below a waste oil AST in 2008 in the former hazardous waste storage are on the Subject Property. The oily debris below a waste oil AST is considered a REC, due to the potential for soil to have been impacted. The County's inspection report indicates that the business name associated with the oily debris was "Driscoll's Wharf" and the address was 4918 North Harbor Drive, #203. The Subject Property's Office Manager, Cynthia Price, signed the inspection report.

RECs Associated with Bay Sediment

9a. The trench drain located at Chula Seafood on the Subject Property represents a REC. It is unknown where the trench drain discharges. There is a potential that contaminants, originating near the trench drain, could have been discharged to the harbor through the storm drain system and could have impacted bay sediments within the waterside portion of the Subject Property.

9b. The storm drain outfall on the Subject Property represents a REC. According to a storm drain map provided by the San Diego Unified Port District, the storm drain outfall is connected to the catch basins that were observed along the northeastern boundary of the Subject Property. There is a potential that contaminants, originating near the catch basins, could have been discharged to the harbor through the storm drain system and could have impacted bay sediments within the waterside portion of the Subject Property.

10. Copper, lead, zinc, mercury, TBT, DBT, and MBT have been detected in sediment on the Subject Property. The copper, lead, and zinc concentrations exceeded their respective ERL value and mercury exceeded the ERL and ERM value (Long et al, 1995). Leaching of metals from hull paints, overwater hull maintenance and other overwater boat maintenance activities within the wharf may have contributed to these sediment impacts. Consequently, the use of the Subject Property as a wharf is considered a REC for sediment impacts.

11. Bay sediment within America's Cup Harbor has been reported to be impacted by copper, mercury, and TBT due to boat repair, maintenance, and other industrial activities around America's Cup Harbor. Therefore, the potential for migration of contaminated sediment from America's Cup Harbor into the Subject Property is considered a REC.

RECs Associated with Off-Site Sources

12. The adjacent closed LUST case at the former Bay City Marine facility (northwest of the Subject Property at 4960 North Harbor Drive) represents a REC. The reported groundwater contamination at the former Bay City Marine facility has the potential to migrate below the Subject Property.

13. The adjacent closed LUST cases at Naval Base Point Loma (east of the Subject Property), represents a REC. The reported groundwater contamination at Naval Base Point Loma has the potential to migrate below the Subject Property.

8.3 DATA GAPS

Kleinfelder attempted to obtain reasonably ascertainable information regarding the Subject Property consistent with ASTM Standard E1527-13 and -21. Despite good faith efforts by the environmental professional(s) to gather the necessary information, data gaps, a lack of information, or inability to obtain information as required by the ASTM Standard, were encountered during the completion of this Phase I ESA:

- The interior of the building located at 4922 North Harbor Drive and several subtenant-occupied suites within the buildings located at 4904 and 4918 North Harbor Drive were not accessible.

The inability to access interior areas of the Subject Property buildings is a significant data gap, which may have affected the identification of hazardous substances or petroleum products for the evaluation of RECs at the Subject Property.

9 REFERENCES

California Geological Survey (CGS), 2002, *California Geomorphic Provinces*, Note 36, December.

California Regional Water Quality Control Board, San Diego Region (RWQCB), 1994. *Water Quality Control Plan for the San Diego Basin (9)*. September 8.

Engineering Science Applications, 1992. *Boring Logs and Laboratory Data, 4904-4922 North Harbor Drive, San Diego*. October 6.

Environmental Data Resources, Inc. (EDR), 2022a, *The EDR Radius Map™ Report with GeoCheck®*, North Harbor Drive, 4900 North Harbor Drive, San Diego, CA 92106, Inquiry Number: 07007244.2r, June 6.

______, 2022b, *EDR Environmental Lien and AUL Search,* North Harbor Drive, 4900 North Harbor Drive, San Diego, CA 92106, Inquiry Number: 7007244.10, June 7.

______, 2022c, *Certified Sanborn® Map Report,* North Harbor Drive, 4900 North Harbor Drive, San Diego, CA 92106, Inquiry Number: 7007244.3, June 6.

______, 2022d, *The EDR Aerial Photo Decade Package,* North Harbor Drive, 4900 North Harbor Drive, San Diego, CA 92106, Inquiry Number: 7007244.8, June 6.

______, 2022e, *The EDR-City Directory Image Report,* North Harbor Drive, 4900 North Harbor Drive, San Diego, CA 92106, Inquiry Number: 7007244.5, June 7.

______, 2022f, *EDR Historical Topo Map Report with QuadMatch*™, North Harbor Drive, 4900 North Harbor Drive, San Diego, CA 92106, Inquiry Number: 7007244.4, June 6.

Kleinfelder, 2019. *America's Cup Harbor Historical Assessment*, San Diego, California, March 21.

Long et al, 1995. *Incidence of Adverse Biological Effects Within Ranges of Chemical Concentrations in Marine and Estuarine Sediments*, Environmental Management, Vol. 19, No. 1.

United States Geological Survey (USGS), 2021, *7.5-minute Topographic Map of Point Loma, California Quadrangle*, scale 1:24,000.

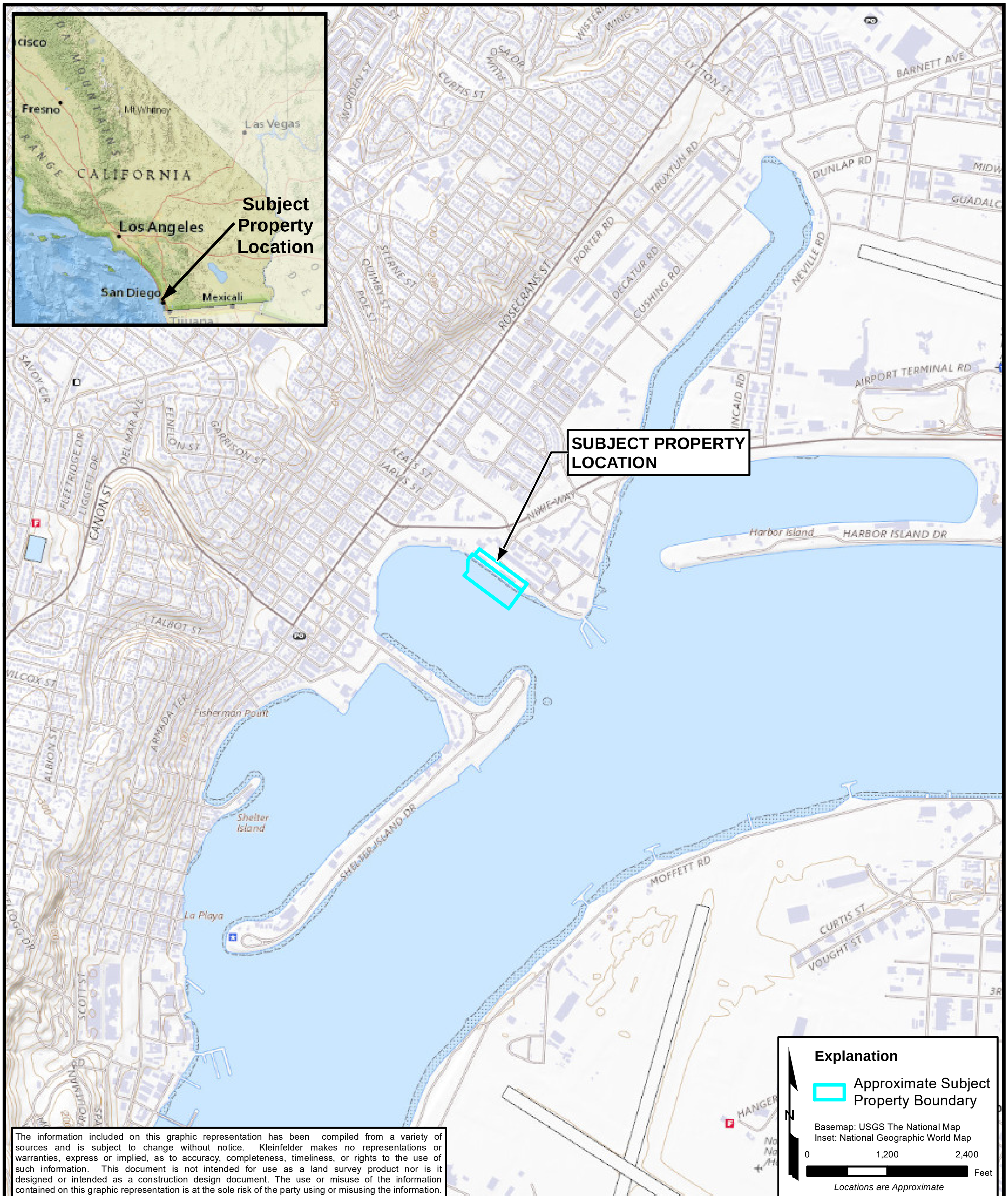
Other sources are referenced throughout the Phase I ESA report.

FIGURES

PLOTTED: 6/10/2022 2:25:51 PM, RAlvarez

C:\Workspace\GIS_Projects\SanDiego_CA\20182275\20182275_Fig1_.mxd

SAN DIEGO, CA



The information included on this graphic representation has been compiled from a variety of sources and is subject to change without notice. Kleinfelder makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information. This document is not intended for use as a land survey product nor is it designed or intended as a construction design document. The use or misuse of the information contained on this graphic representation is at the sole risk of the party using or misusing the information.

KLEINFELDER
Bright People. Right Solutions.

PROJECT:	20182275
DRAWN:	JUNE 2022
DRAWN BY:	RA
CHECKED BY:	JL
FILE NAME: 20182275_Fig1_.mxd	

SUBJECT PROPERTY LOCATION MAP

PHASE I ENVIRONMENTAL SITE ASSESSMENT
4900-4930 NORTH HARBOR DRIVE
SAN DIEGO, CALIFORNIA

FIGURE

1

C:\Workspace\GIS_Projects\SanDiego_CA\20182275\20182275_Fig2.mxd

SAN DIEGO, CA

Aerial Imagery: © 2022 Microsoft Corporation © 2022 Maxar ©CNES (2022) Distribution Airbus DS © 2022 TomTom

KLEINFELDER
Bright People. Right Solutions.
www.kleinfelder.com

PROJECT NO.	20182275
DRAWN:	AUG 2022
DRAWN BY:	RA
CHECKED BY:	JL
FILE NAME:	20182275_Fig2.mxd

SUBJECT PROPERTY MAP

PHASE I ENVIRONMENTAL SITE ASSESSMENT
4900-4930 NORTH HARBOR DRIVE
SAN DIEGO, CALIFORNIA

FIGURE
2

C:\Workspace\GIS_Projects\SanDiego_CA\20182275\20182275_Fig3.mxd

SAN DIEGO, CA

KLEINFELDER
Bright People. Right Solutions.
www.kleinfelder.com

PROJECT NO.	20182275
DRAWN:	NOV 2022
DRAWN BY:	RA
CHECKED BY:	JL
FILE NAME:	20182275_Fig3.mxd

SUBJECT PROPERTY FEATURES MAP

PHASE I ENVIRONMENTAL SITE ASSESSMENT
4900-4930 NORTH HARBOR DRIVE
SAN DIEGO, CALIFORNIA

FIGURE
3

C:\Workspace\GIS_Projects\SanDiego_CA\20182275\20182275_Fig4_oct.mxd

SAN DIEGO, CA

Aerial Imagery: © 2022 Microsoft Corporation © 2022 Maxar ©CNES (2022) Distribution Airbus DS © 2022 TomTom

The information included on this graphic representation has been compiled from a variety of sources and is subject to change without notice. Kleinfelder makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information. This document is not intended for use as a land survey product nor is it designed or intended as a construction design document. The use or misuse of the information contained on this graphic representation is at the sole risk of the party using or misusing the information.

KLEINFELDER
Bright People. Right Solutions.
www.kleinfelder.com

PROJECT NO.	20182275
DRAWN:	NOV 2022
DRAWN BY:	RA
CHECKED BY:	JL
FILE NAME:	20182275_Fig4_oct.mxd

SUBJECT PROPERTY RECOGNIZED ENVIRONMENTAL CONDITIONS MAP

PHASE I ENVIRONMENTAL SITE ASSESSMENT
4900-4930 NORTH HARBOR DRIVE
SAN DIEGO, CALIFORNIA

FIGURE
4

C:\Workspace\GIS_Projects\SanDiego_CA\20182275\20182275_Fig5.mxd

SAN DIEGO, CA

Aerial Imagery: © 2022 Microsoft Corporation © 2022 Maxar ©CNES (2022) Distribution Airbus DS © 2022 TomTom

KLEINFELDER
Bright People. Right Solutions.
www.kleinfelder.com

PROJECT NO.	20182275
DRAWN:	AUG 2022
DRAWN BY:	RA
CHECKED BY:	JL
FILE NAME:	20182275_Fig5.mxd

SUBJECT PROPERTY VICINITY MAP

PHASE I ENVIRONMENTAL SITE ASSESSMENT
4900-4930 NORTH HARBOR DRIVE
SAN DIEGO, CALIFORNIA

FIGURE
5

Photograph 1 - View of northernmost building assigned the street address 4904 North Harbor Drive, looking southeast.

Photograph 2 - Typical view of vacant 2nd floor interior of building 4904 North Harbor Drive.

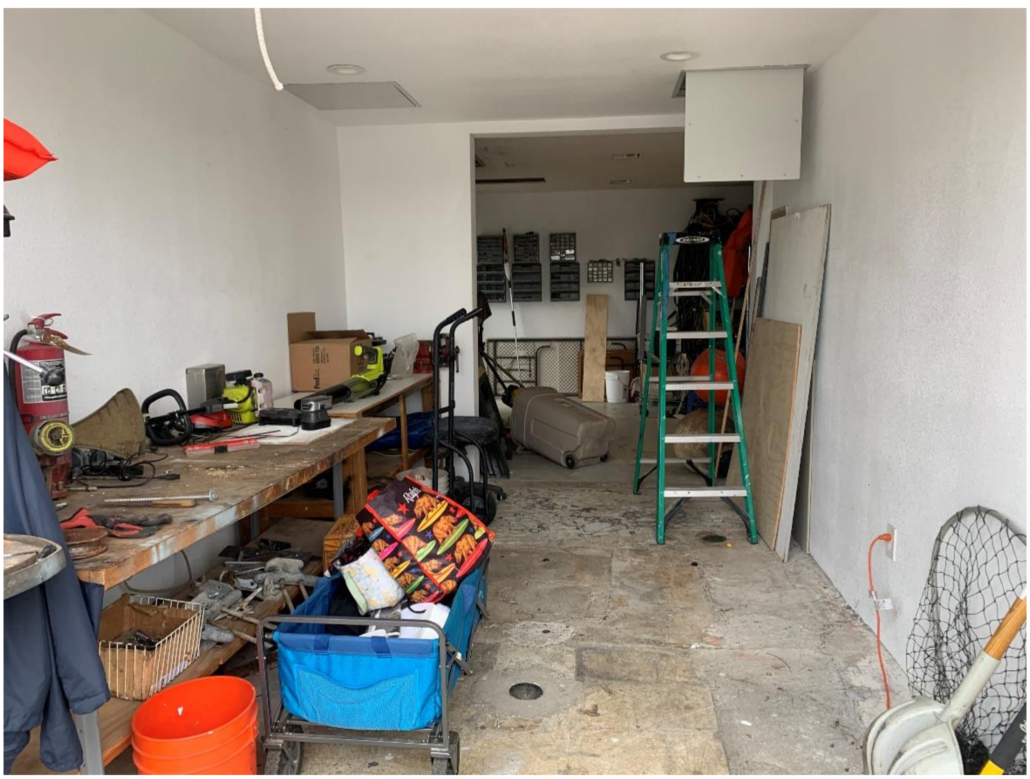
KLEINFELDER Bright People. Right Solutions.	PROJECT NO.	20182275	SUBJECT PROPERTY PHOTOGRAPHS	FIGURE
	DRAWN BY:	SJB		
	CHECKED BY:		PHASE I ENVIRONMENTAL SITE ASSESSMENT 4900-4930 NORTH HARBOR DRIVE SAN DIEGO, CALIFORNIA	6a
	DATE:	6/13/2022		
	REVISED:			

Photograph 3 - View of service entrance to Chula Seafood located on 1st floor of building 4904 North Harbor Drive. Trench drain is observed.

Photograph 4 - View of building assigned the street address 4918 North Harbor Drive located in the central portion of the Subject Property, looking west-northwest.

KLEINFELDER Bright People. Right Solutions.	PROJECT NO.	20182275	SUBJECT PROPERTY PHOTOGRAPHS	FIGURE
	DRAWN BY:	SJB		
	CHECKED BY:		PHASE I ENVIRONMENTAL SITE ASSESSMENT 4900-4930 NORTH HARBOR DRIVE SAN DIEGO, CALIFORNIA	6b
	DATE:	6/13/2022		
	REVISED:			

Photograph 5 - View of 1st floor of building 4918 North Harbor Drive being used for storage.



Photograph 6 - View of maintenance shop interior located on the northwest corner of the 1st floor in building 4918 North Harbor Drive.

KLEINFELDER Bright People. Right Solutions.	PROJECT NO.	20182275	SUBJECT PROPERTY PHOTOGRAPHS	FIGURE
	DRAWN BY:	SJB		
	CHECKED BY:		PHASE I ENVIRONMENTAL SITE ASSESSMENT 4900-4930 NORTH HARBOR DRIVE SAN DIEGO, CALIFORNIA	6c
	DATE:	6/13/2022		
	REVISED:			

Photograph 7 - View of southernmost building assigned the street address 4922 North Harbor Drive from Pier 8, looking north. There was no interior access to the building.

Photograph 8 - View of fish chiller container located on the Subject Property (left) and public restrooms and sewer pump station off site adjoining to the north (right), looking southwest. Off-site storage area shown in between.

KLEINFELDER Bright People. Right Solutions.	PROJECT NO.	20182275	SUBJECT PROPERTY PHOTOGRAPHS	FIGURE
	DRAWN BY:	SJB		
	CHECKED BY:		PHASE I ENVIRONMENTAL SITE ASSESSMENT 4900-4930 NORTH HARBOR DRIVE SAN DIEGO, CALIFORNIA	6d
	DATE:	6/13/2022		
	REVISED:			

Photograph 9 - Close view of San Diego Moorings Company storage area (off-site). Fish chiller container observed to the right.

Photograph 10 - View of crane (left) and fish processing equipment (right) located on Pier 4.

KLEINFELDER Bright People. Right Solutions.	PROJECT NO.	20182275	SUBJECT PROPERTY PHOTOGRAPHS	FIGURE
	DRAWN BY:	SJB		
	CHECKED BY:		PHASE I ENVIRONMENTAL SITE ASSESSMENT 4900-4930 NORTH HARBOR DRIVE SAN DIEGO, CALIFORNIA	6e
	DATE:	6/13/2022		
	REVISED:			

APPENDIX A
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

We declare that to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in Section 312.10 of 40 Code of Federal Regulations (CFR) 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all-appropriate inquiries in conformance with the standards and practices set forth in CFR Part 312.

____
Jake Lippman
California Professional Geologist No. 9127

____
Lizanne Simmons
California Professional Geologist No. 7431

The resumes of above-listed environmental professionals performing this Phase I ESA are on file at the Kleinfelder office and are available on request.

APPENDIX B
REGULATORY AGENCY DATABASE SEARCH

North Harbor Drive
4900 North Harbor Drive
San Diego, CA 92106

Inquiry Number: 07007244.2r
June 06, 2022

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

4900 NORTH HARBOR DRIVE
SAN DIEGO, CA 92106

COORDINATES

Latitude (North):	32.7240170 - 32ˆ 43' 26.46''
Longitude (West):	117.2221600 - 117ˆ 13' 19.77''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	479181.9
UTM Y (Meters):	3620523.8
Elevation:	9 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	12016554 POINT LOMA, CA
Version Date:	2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140603
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
4900 NORTH HARBOR DRIVE
SAN DIEGO, CA 92106

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1		4900 NORTH HARBOR DR	CHMIRS		TP
A2	NAUT-A-CARE	4900-4930 N HARBOR D	HAZNET, HWTS		TP
Reg	NAVBASE CORONADO		DOD	Same	3450, 0.653, SE
Reg	HARBOR DRIVE		DOD	Same	1 ft.
Reg	FORMER NTC		DOD	Same	891, 0.169, NE
A3	SAN DIEGO FLEET ANTI	NO. HARBOR DRIVE	UST	Higher	1 ft.
B4	NBPL - HDA - EOD TEU	BLDG 54	AST	Higher	42, 0.008, ESE
B5	NBPL - HDA - EOD TEU	BLDG 54	CERS HAZ WASTE, CERS TANKS, CERS	Higher	42, 0.008, ESE
A6	SAN DIEGO FLEET ANTI	33000 NIXIE WAY BLDG	UST	Higher	76, 0.014, NE
A7	SAN DIEGO NAVAL SUBB	33000 NIXIE WAY BLDG	CERS TANKS	Higher	76, 0.014, NE
A8	SAN DIEGO NAVAL SUBB	33000 NIXIE WAY BLDG	UST	Higher	76, 0.014, NE
A9	SAN DIEGO FLEET ANTI	33000 NIXIE WAY BLDG	CERS TANKS, CERS	Higher	76, 0.014, NE
10	BUMED NBPL ASW BRANC	BLDG 10 ECHO LANE	CERS HAZ WASTE, CERS	Higher	123, 0.023, NNW
11	COMMERCIAL BASIN (AM	COMMERCIAL BASIN	CPS-SLIC	Lower	272, 0.052, WNW
C12	NBPL - HDA - (MISC S	BLDG 11	AST	Higher	291, 0.055, ESE
C13	SAN DIEGO FLEET ANTI	BLDG 5	UST	Higher	306, 0.058, East
C14	SAN DIEGO FLEET ANTI	BLDG 5	CERS TANKS	Higher	306, 0.058, East
C15	SAN DIEGO FLEET ANTI	BLDG 7 FLEASWTRACENP	UST	Higher	411, 0.078, East
C16	SAN DIEGO FLEET ANTI	BLDG 7 FLEASWTRACENP	CERS TANKS	Higher	412, 0.078, East
D17	NAUT-A-CARE	4904 N HARBOR DR STE	EDR Hist Auto	Higher	422, 0.080, NW
E18	CHEVRON STATION NO 9	4823 N HARBOR DR	RCRA NonGen / NLR, HAZNET, HWTS	Higher	440, 0.083, North
E19	CHEVRON PRODUCTS CO	4823 N HARBOR DR	SAN DIEGO CO. SAM, Cortese	Higher	440, 0.083, North
E20	CHEVRON PRODUCTS CO	4823 N HARBOR DR	LUST, CPS-SLIC, SAN DIEGO CO LOP, CERS	Higher	440, 0.083, North
E21	92194	4823 N HARBOR	SWEEPS UST, HIST UST	Higher	440, 0.083, North
E22	BUTLER CHARLES CHEVR	4823 N HARBOR DR	EDR Hist Auto	Higher	440, 0.083, North
E23	CHEVRON NO 92194	4823 N HARBOR	RCRA-SQG	Higher	440, 0.083, North
C24	SAN DIEGO FLEET ANTI	NO. HARBOR DRIVE	UST	Higher	470, 0.089, ESE
D25	SDCTY-MARINE BIOLOGY	4918 N HARBOR DR	San Diego Co. HMMD, CERS HAZ WASTE, CERS	Higher	483, 0.091, NW
D26	DRISCOLL MARINA LTD	4918 N HARBOR DR	RCRA NonGen / NLR	Higher	483, 0.091, NW
F27	SAN DIEGO FLEET ANTI	BLDG P-245	CERS TANKS	Higher	538, 0.102, East
F28	SAN DIEGO FLEET ANTI	BLDG P-245	UST	Higher	538, 0.102, East
C29	SAN DIEGO FLEET ANTI	NO. HARBOR DRIVE	UST	Higher	553, 0.105, East
30	SAN DIEGO FLEET ANTI	NO. HARBOR DRIVE	UST	Higher	561, 0.106, ENE
G31	SAN DIEGO FLEET ANTI	NO.HARBOR DRIVE	UST	Higher	648, 0.123, ESE
G32	SAN DIEGO FLEET ANTI	NO.HARBOR DRIVE	CERS TANKS	Higher	650, 0.123, ESE
H33	FORMER BAY CITY MARI	4960 HARBOR DR N	LUST	Higher	696, 0.132, WNW
H34	HARBOR FUEL DOCK	4960 N HARBOR DR	SAN DIEGO CO. SAM, LUST, San Diego Co. HMMD,...	Higher	696, 0.132, WNW
H35	BAY CITY MARINE, INC	4960 HARBOR DR	San Diego Co. HMMD, HIST CORTESE	Higher	696, 0.132, WNW
H36	AMERICA CUBE FOUNDAT	4960 N HARBOR DR	RCRA-SQG, FINDS, ECHO	Higher	696, 0.132, WNW

MAPPED SITES SUMMARY

Target Property Address:
4900 NORTH HARBOR DRIVE
SAN DIEGO, CA 92106

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
H37	HARBORSIDE PETROLUEM	4960 N HARBOR DR	HIST UST	Higher	696, 0.132, WNW
H38	HARBORSIDE PETROLUEM	4960 NORTH HARBOR DR	HIST UST, HAZNET, HWTS	Higher	696, 0.132, WNW
H39	SUN HARBOR MARINA	5000 N HARBOR DR STE	San Diego Co. HMMD, CERS HAZ WASTE, CHMIRS,...	Higher	792, 0.150, WNW
H40	SUN HARBOR MARINA	5000 N HARBOR DR STE	RCRA NonGen / NLR	Higher	792, 0.150, WNW
F41	SAN DIEGO FLEET ANTI	BLDG 2	UST	Higher	804, 0.152, East
F42	SAN DIEGO FLEET ANTI	BLDG 2	CERS TANKS	Higher	804, 0.152, East
I43	SAN DIEGO FLEET ANTI	BLDG 506 BLDG 506 TE	CERS TANKS	Higher	887, 0.168, ENE
I44	SAN DIEGO FLEET ANTI	BLDG 506 BLDG 506 TE	UST	Higher	887, 0.168, ENE
G45	SAN DIEGO FLEET ANTI	NO. HARBOR DRIVE	UST	Lower	907, 0.172, ESE
46	FLEET ANTI-SUB WARFA	N. HARBOR DR. & MCDO	RESPONSE, ENVIROSTOR	Higher	960, 0.182, NE
J47	SAN DIEGO NAVAL TRAI	BLDG 508	CERS TANKS	Higher	1009, 0.191, NNE
J48	SAN DIEGO NAVAL TRAI	BLDG 508	UST	Higher	1009, 0.191, NNE
49	HILLGREN HOLDINGS LL	2810 KEATS ST	RCRA NonGen / NLR	Higher	1021, 0.193, NNW
I50	NBPL - MINE WARFARE	BLDG 652	CERS HAZ WASTE, CERS	Higher	1045, 0.198, ENE
51	FISHERMAN'S LANDING	2838 GARRISON ST	RCRA NonGen / NLR	Higher	1193, 0.226, WNW
K52	SAN DIEGO NAVAL TRAI	BLDG 344	CERS TANKS	Higher	1306, 0.247, NNW
K53	SAN DIEGO NAVAL TRAI	BLDG 344	UST	Higher	1306, 0.247, NNW
L54	THRIFTY #116	1551 ROSECRANS	LUST, CPS-SLIC, HIST CORTESE, SAN DIEGO CO LOP,...	Higher	1438, 0.272, NW
L55	ARCO PSI# 9575	1551 ROSECRANS ST	SAN DIEGO CO. SAM, Cortese	Higher	1438, 0.272, NW
L56	THRIFTY #116	1551 ROSECRANS ST	LUST, San Diego Co. HMMD, CERS HAZ WASTE, SWEEPS...	Higher	1438, 0.272, NW
M57	NIELSEN BEAUMONT MAR	2420 SHELTER ISLAND	CPS-SLIC, San Diego Co. HMMD, CERS HAZ WASTE,...	Lower	1537, 0.291, SSW
N58	HIGH SEAS TUNA MARIN	2510 SHELTER ISLAND	LUST	Lower	1555, 0.295, SW
N59	STD OIL MARINA	2510 SHELTER ISLAND	LUST, SAN DIEGO CO. SAM, San Diego Co. HMMD,...	Lower	1555, 0.295, SW
N60	DRISCOLL CUSTOM BOAT	2500 SHELTER ISLAND	SAN DIEGO CO. SAM, San Diego Co. HMMD, Cortese,...	Lower	1556, 0.295, SW
N61	DRISCOLL CUSTOM BOAT	2500 SHELTER ISLAND	LUST, CPS-SLIC, CERS HAZ WASTE, ENF, HIST CORTESE,...	Lower	1556, 0.295, SW
62	KOEHLER KRAFT	2302 SHELTER ISLAND	SAN DIEGO CO. SAM, CPS-SLIC, San Diego Co. HMMD,...	Lower	1566, 0.297, South
O63	BOSTON MARKET	1661 ROSECRANS ST	SAN DIEGO CO. SAM, CPS-SLIC, San Diego Co. HMMD,...	Higher	1597, 0.302, NW
P64	SHELTER ISLAND FIRIN		FUDS	Lower	1655, 0.313, SSE
P65	SHELTER ISLAND FIRIN		ENVIROSTOR	Lower	1658, 0.314, SSE
Q66	SHARON M MAY	1624 ROSECRANS STREE	LUST, HIST UST, HIST CORTESE	Higher	1666, 0.316, NW
Q67	PATS MOBIL SERVICE	1624 ROSECRANS ST	SAN DIEGO CO. SAM, San Diego Co. HMMD, SWEEPS UST,...	Higher	1666, 0.316, NW
Q68	MOBIL SERVICE STATIO	1624 ROSECRANS ST	LUST	Higher	1666, 0.316, NW
M69	TONGA FUELS MARINA	2385 SHELTER ISLAND	LUST, SWEEPS UST, Notify 65	Higher	1668, 0.316, SSW
M70	SHELTER ISLAND YACHT	2385 SHELTER ISLAND	CPS-SLIC, CERS	Higher	1668, 0.316, SSW
M71	TONGA FUELS MARINA	2385 SHELTER ISLAND	LUST, SAN DIEGO CO. SAM, San Diego Co. HMMD,...	Higher	1668, 0.316, SSW
M72		2385 SHELTER ISLAND	Notify 65	Higher	1668, 0.316, SSW
M73	PEARSONS MARINE SERV	2435 SHELTER ISLAND	SAN DIEGO CO. SAM, AST, San Diego Co. HMMD, CERS...	Higher	1668, 0.316, SSW
M74	PEARSON MARINE	2435 SHELTER ISLAND	LUST, CPS-SLIC, HIST UST, CHMIRS, HIST CORTESE	Higher	1668, 0.316, SSW
M75	PEARSON MARINE FUELS	2435 SHELTER ISLAND	LUST, CHMIRS, EMI, CERS	Higher	1668, 0.316, SSW

MAPPED SITES SUMMARY

Target Property Address:
4900 NORTH HARBOR DRIVE
SAN DIEGO, CA 92106

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
R76	KETTENBURG MARINE	2810 CARLETON STREET	RCRA-SQG, ENVIROSTOR, LUST, CPS-SLIC, San Diego...	Higher	1680, 0.318, WSW
R77	FRMR. DRISCOLL WEST/	2810 CARLETON ST	SAN DIEGO CO. SAM, Cortese	Higher	1680, 0.318, WSW
O78	U S NAVY NAVAL TRAIN	NIMITZ AND ROSECRANS	SEMS, FINDS, ECHO	Higher	1700, 0.322, NW
79	DRISCOLL'S WEST BOAT	2700 SHELTER ISLAND	CPS-SLIC, NPDES	Higher	1719, 0.326, WSW
O80	CHEVRON SERVICE STAT	1704 ROSECRANS ST	LUST, SAN DIEGO CO. SAM, San Diego Co. HMMD, CERS...	Higher	1815, 0.344, NNW
S81	CALTRANS - DISTRICT	1740 ROSECRANS ST	LUST, SAN DIEGO CO. SAM, San Diego Co. HMMD,...	Higher	1852, 0.351, NNW
S82	CALTRANS - DISTRICT	1740 ROSECRANS	LUST, HIST CORTESE, Notify 65, CERS	Higher	1852, 0.351, NNW
T83	NORTHERN TRUST OF CA	1313 ROSECRANS ST	LUST, SAN DIEGO CO. SAM, San Diego Co. HMMD,...	Higher	1860, 0.352, West
T84	ONE HOUR PHOTO	1313 ROSECRANS STREE	LUST	Higher	1860, 0.352, West
T85	RETAIL BUILDING	1276-78 ROSECRANS ST	ENVIROSTOR	Higher	2079, 0.394, West
T86	FETTER COMMERCIAL PR	1276-1278 ROSECRANS	CPS-SLIC, CERS	Higher	2079, 0.394, West
U87	AUTOHAUS FRANKFURT	1221 ROSECRANS ST	SAN DIEGO CO. SAM, LUST, San Diego Co. HMMD,...	Higher	2132, 0.404, West
88		ADDISON & SHAFTER	Notify 65	Higher	2133, 0.404, WSW
V89	7-ELEVEN STORE #2287	1826 ROSECRANS	LUST, San Diego Co. HMMD, CERS HAZ WASTE, CERS...	Higher	2135, 0.404, NNW
V90	7-ELEVEN FOOD STORE	1826 ROSECRANS ST	SAN DIEGO CO. SAM, SWEEPS UST	Higher	2135, 0.404, NNW
V91	7-ELEVEN FOOD STORE	1826 ROSECRANS ST	HIST UST, Cortese, CERS	Higher	2135, 0.404, NNW
V92	7-ELEVEN STORE #2287	1826 ROSECRANS ST	LUST, EMI, CERS	Higher	2135, 0.404, NNW
93	1100 BLK OF ANCHORAG	AT SO. END OF CANON	Notify 65	Higher	2216, 0.420, WSW
V94	ROSECRANS CENTER	1868-1878 ROSECRANS	ENVIROSTOR	Higher	2313, 0.438, NNW
V95	ROSECRANS CENTER	1868 ROSECRANS AV	SAN DIEGO CO. SAM, CPS-SLIC, San Diego Co. HMMD,...	Higher	2313, 0.438, NNW
U96	UNION BANK OF CALIF	1175 ROSECRANS ST	SAN DIEGO CO. SAM, CPS-SLIC, San Diego Co. HMMD,...	Higher	2323, 0.440, WSW
U97	WEST MARINE FACILITY	1214 ROSECRANS ST	LUST, SAN DIEGO CO. SAM, San Diego Co. HMMD,...	Higher	2324, 0.440, West
W98	REUBEN H. FLEET CTR	1155 ROSECRANS ST	SAN DIEGO CO. SAM, San Diego Co. HMMD, CERS	Higher	2384, 0.452, WSW
W99	REUBEN H. FLEET CTR	1155 ROSECRANS ST	CPS-SLIC	Higher	2384, 0.452, WSW
X100	SHELL SERVICE STATIO	1930 ROSECRANS	LUST, CPS-SLIC, San Diego Co. HMMD, HIST CORTESE,...	Higher	2508, 0.475, North
X101	SHELL SERVICE STATIO	1930 ROSECRANS ST	LUST, San Diego Co. HMMD, CERS HAZ WASTE, EMI,...	Higher	2508, 0.475, North
X102	ROSECRANS SHELL	1930 ROSECRANS ST	SAN DIEGO CO. SAM, UST, San Diego Co. HMMD, SWEEPS...	Higher	2508, 0.475, North
W103	CABRILLO MOTOR LODGE	1150 ROSECRANS ST	SAN DIEGO CO. SAM, CPS-SLIC, San Diego Co. HMMD,...	Higher	2524, 0.478, WSW
Y104	NAVAL TRAINING STATI		ENVIROSTOR	Higher	3394, 0.643, NNE
Y105	NAVAL TRAINING STATI		FUDS	Higher	3395, 0.643, NNE
106		3422 ADDISON	Notify 65	Higher	3607, 0.683, West
107	SAN DIEGO HARBOR	SHELTER ISLAND PIER	Notify 65	Higher	4112, 0.779, SSW
108	NEAR MARINA CORTEZ F	1880 HARBOR ISLAND D	CHMIRS, Notify 65	Lower	4114, 0.779, East
109	SAN DIEGO CITY SEWER	4077 N HARBOR DR	ENVIROSTOR, WDS, CIWQS	Higher	4388, 0.831, ENE
Z110	MARINE CORPS RECRUIT	BLDG 514 MARINE CORP	Notify 65	Higher	5258, 0.996, NE
Z111	MARINE CORPS RECRUIT	BUILDING 514	Notify 65	Higher	5258, 0.996, NE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
4900 NORTH HARBOR DR 4900 NORTH HARBOR DR SAN DIEGO, CA 92101	CHMIRS OES Incident Number: 19-5152	N/A
NAUT-A-CARE 4900-4930 N HARBOR D SAN DIEGO, CA 92106	HAZNET GEPAID: CAL000188807 HWTS	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL National Priority List
Proposed NPL Proposed National Priority List Sites
NPL LIENS Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY Federal Facility Site Information listing

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF RCRA - Treatment, Storage and Disposal

EXECUTIVE SUMMARY

Lists of Federal RCRA generators

RCRA-LQG - RCRA - Large Quantity Generators
RCRA-VSQG - RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS - Land Use Control Information System
US ENG CONTROLS - Engineering Controls Sites List
US INST CONTROLS - Institutional Controls Sites List

Federal ERNS list

ERNS - Emergency Response Notification System

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF - Solid Waste Information System

Lists of state and tribal leaking storage tanks

INDIAN LUST - Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST - Underground Storage Tank Listing
INDIAN UST - Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

VCP - Voluntary Cleanup Program Properties
INDIAN VCP - Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS - Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS - A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT - Waste Management Unit Database
SWRCY - Recycler Database
HAULERS - Registered Waste Tire Haulers Listing
INDIAN ODI - Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 - Torres Martinez Reservation Illegal Dump Site Locations
ODI - Open Dump Inventory
IHS OPEN DUMPS - Open Dumps on Indian Land

EXECUTIVE SUMMARY

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL	Delisted National Clandestine Laboratory Register
HIST Cal-Sites	Historical Calsites Database
SCH	School Property Evaluation Program
CDL	Clandestine Drug Labs
San Diego Co. HMMD	Hazardous Materials Management Division Database
Toxic Pits	Toxic Pits Cleanup Act Sites
US CDL	National Clandestine Laboratory Register
AQUEOUS FOAM	Former Fire Training Facility Assessments Listing
PFAS	PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

CA FID UST	Facility Inventory Database

Local Land Records

LIENS	Environmental Liens Listing
LIENS 2	CERCLA Lien Information
DEED	Deed Restriction Listing

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
LDS	Land Disposal Sites Listing
MCS	Military Cleanup Sites Listing
SPILLS 90	SPILLS 90 data from FirstSearch

Other Ascertainable Records

SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees

INDIAN RESERV - Indian Reservations
FUSRAP - Formerly Utilized Sites Remedial Action Program
UMTRA - Uranium Mill Tailings Sites
LEAD SMELTERS - Lead Smelter Sites
US AIRS - Aerometric Information Retrieval System Facility Subsystem
US MINES - Mines Master Index File
ABANDONED MINES - Abandoned Mines
FINDS - Facility Index System/Facility Registry System
DOCKET HWC - Hazardous Waste Compliance Docket Listing
ECHO - Enforcement & Compliance History Information
UXO - Unexploded Ordnance Sites
FUELS PROGRAM - EPA Fuels Program Registered Listing
CA BOND EXP. PLAN - Bond Expenditure Plan
CUPA Listings - CUPA Resources List
DRYCLEANERS - Cleaner Facilities
EMI - Emissions Inventory Data
ENF - Enforcement Action Listing
Financial Assurance - Financial Assurance Information Listing
ICE - ICE
HWP - EnviroStor Permitted Facilities Listing
HWT - Registered Hazardous Waste Transporter Database
MINES - Mines Site Location Listing
MWMP - Medical Waste Management Program Listing
NPDES - NPDES Permits Listing
PEST LIC - Pesticide Regulation Licenses Listing
PROC - Certified Processors Database
UIC - UIC Listing
UIC GEO - UIC GEO (GEOTRACKER)
WASTEWATER PITS - Oil Wastewater Pits Listing
WDS - Waste Discharge System
WIP - Well Investigation Program Case List
MILITARY PRIV SITES - MILITARY PRIV SITES (GEOTRACKER)
PROJECT - PROJECT (GEOTRACKER)
WDR - Waste Discharge Requirements Listing
SAN DIEGO CO LOP - Local Oversight Program Listing
CIWQS - California Integrated Water Quality System
CERS - CERS
NON-CASE INFO - NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS - OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS - PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT - SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ - Well Stimulation Project (GEOTRACKER)
MINES MRDS - Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP - EDR Proprietary Manufactured Gas Plants
EDR Hist Cleaner - EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF - Recovered Government Archive Solid Waste Facilities List

RGA LUST - - - - - - - - - - - - - - - - - - Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal sites subject to CERCLA removals and CERCLA orders

SEMS: SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the SEMS list, as provided by EDR, and dated 04/27/2022 has revealed that there is 1 SEMS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
U S NAVY NAVAL TRAIN Site ID: 0902730 EPA Id: CA2170023202	***NIMITZ AND ROSECRANS***	***NW 1/4 - 1/2 (0.322 mi.)***	***O78***	***477***

Lists of Federal RCRA generators

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 02/28/2022 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON NO 92194	4823 N HARBOR	N 0 - 1/8 (0.083 mi.)	E23	55

EPA ID:: CAP000067496				
AMERICA CUBE FOUNDAT	***4960 N HARBOR DR***	***WNW 1/8 - 1/4 (0.132 mi.)***	***H36***	***97***
EPA ID:: CAD983591611				

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the RESPONSE list, as provided by EDR, has revealed that there is 1 RESPONSE site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FLEET ANTI-SUB WARFA	***N. HARBOR DR. & MCDO***	***NE 1/8 - 1/4 (0.182 mi.)***	***46***	***121***
Database: RESPONSE, Date of Government Version: 01/24/2022 Status: Active Facility Id: 37970021				

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 01/24/2022 has revealed that there are 7 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FLEET ANTI-SUB WARFA	***N. HARBOR DR. & MCDO***	***NE 1/8 - 1/4 (0.182 mi.)***	***46***	***121***
Facility Id: 37970021 Status: Active				
KETTENBURG MARINE	***2810 CARLETON STREET***	***WSW 1/4 - 1/2 (0.318 mi.)***	***R76***	***458***
Facility Id: 37000020 Status: Refer: 1248 Local Agency				
RETAIL BUILDING	1276-78 ROSECRANS ST	W 1/4 - 1/2 (0.394 mi.)	T85	552
Facility Id: 37150012 Status: Refer: 1248 Local Agency				
ROSECRANS CENTER	1868-1878 ROSECRANS	NNW 1/4 - 1/2 (0.438 mi.)	V94	608
Facility Id: 37150004 Status: Refer: 1248 Local Agency				
NAVAL TRAINING STATI		NNE 1/2 - 1 (0.643 mi.)	Y104	652

Facility Id: 80000795 Status: Inactive - Needs Evaluation				
SAN DIEGO CITY SEWER Facility Id: 71003629 Status: Inactive - Needs Evaluation	***4077 N HARBOR DR***	***ENE 1/2 - 1 (0.831 mi.)***	***109***	***659***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SHELTER ISLAND FIRIN Facility Id: 80001167 Status: Inactive - Needs Evaluation		SSE 1/4 - 1/2 (0.314 mi.)	P65	348

Lists of state and tribal leaking storage tanks

SAN DIEGO CO. SAM: The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

A review of the SAN DIEGO CO. SAM list, as provided by EDR, and dated 03/23/2010 has revealed that there are 22 SAN DIEGO CO. SAM sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON PRODUCTS CO Case Number: H05684-001 Case Number: H05684-002 Case Number: H05684-003 Case Number: H05684-004 Case Number: H05684-005 Facility Status: Closed Case	***4823 N HARBOR DR***	***N 0 - 1/8 (0.083 mi.)***	***E19***	***45***
HARBOR FUEL DOCK Case Number: H16749-001 Facility Status: Closed Case	***4960 N HARBOR DR***	***WNW 1/8 - 1/4 (0.132 mi.)***	***H34***	***69***
ARCO PSI# 9575 Case Number: H14829-001 Case Number: H14829-002 Facility Status: Closed Case	***1551 ROSECRANS ST***	***NW 1/4 - 1/2 (0.272 mi.)***	***L55***	***139***
BOSTON MARKET Case Number: H36155-001 Facility Status: Closed Case	***1661 ROSECRANS ST***	***NW 1/4 - 1/2 (0.302 mi.)***	***O63***	***346***
PATS MOBIL SERVICE Case Number: H13122-001 Facility Status: Closed Case	***1624 ROSECRANS ST***	***NW 1/4 - 1/2 (0.316 mi.)***	***Q67***	***351***
TONGA FUELS MARINA Case Number: H03035-001 Facility Status: Closed Case	***2385 SHELTER ISLAND***	***SSW 1/4 - 1/2 (0.316 mi.)***	***M71***	***365***
PEARSONS MARINE SERV Case Number: H10548-002 Case Number: H10548-001 Facility Status: Closed Case	***2435 SHELTER ISLAND***	***SSW 1/4 - 1/2 (0.316 mi.)***	***M73***	***373***
FRMR. DRISCOLL WEST/	***2810 CARLETON ST***	***WSW 1/4 - 1/2 (0.318 mi.)***	***R77***	***476***

EXECUTIVE SUMMARY

Case Number: H09675-001
Case Number: H09675-002
Case Number: H09675-003
Facility Status: Preliminary Assessment
Facility Status: Closed Case

CHEVRON SERVICE STAT	***1704 ROSECRANS ST***	***NNW 1/4 - 1/2 (0.344 mi.)***	***O80***	***483***

Case Number: H13227-001
Facility Status: Remedial Action (Clean-Up)

CALTRANS - DISTRICT	***1740 ROSECRANS ST***	***NNW 1/4 - 1/2 (0.351 mi.)***	***S81***	***534***

Case Number: H12435-001
Facility Status: Remedial Investigation

NORTHERN TRUST OF CA	***1313 ROSECRANS ST***	***W 1/4 - 1/2 (0.352 mi.)***	***T83***	***544***

Case Number: H28538-001
Facility Status: Preliminary Assessment

AUTOHAUS FRANKFURT	***1221 ROSECRANS ST***	***W 1/4 - 1/2 (0.404 mi.)***	***U87***	***553***

Case Number: H13536-001
Facility Status: Closed Case

7-ELEVEN FOOD STORE	***1826 ROSECRANS ST***	***NNW 1/4 - 1/2 (0.404 mi.)***	***V90***	***599***

Case Number: H21118-001
Facility Status: Remedial Investigation

ROSECRANS CENTER	***1868 ROSECRANS AV***	***NNW 1/4 - 1/2 (0.438 mi.)***	***V95***	***609***

Case Number: H39542-001
Facility Status: Closed Case

UNION BANK OF CALIF	***1175 ROSECRANS ST***	***WSW 1/4 - 1/2 (0.440 mi.)***	***U96***	***610***

Case Number: H38417-001
Facility Status: Closed Case

WEST MARINE FACILITY	***1214 ROSECRANS ST***	***W 1/4 - 1/2 (0.440 mi.)***	***U97***	***612***

Case Number: H36154-001
Facility Status: Closed Case

REUBEN H. FLEET CTR	***1155 ROSECRANS ST***	***WSW 1/4 - 1/2 (0.452 mi.)***	***W98***	***617***

Case Number: H38414-001
Facility Status: Closed Case

ROSECRANS SHELL	***1930 ROSECRANS ST***	***N 1/4 - 1/2 (0.475 mi.)***	***X102***	***644***

Case Number: H03213-002
Case Number: H03213-001
Facility Status: Closed Case

CABRILLO MOTOR LODGE	***1150 ROSECRANS ST***	***WSW 1/4 - 1/2 (0.478 mi.)***	***W103***	***651***

Case Number: H36818-001
Facility Status: Closed Case

Lower Elevation	Address	Direction / Distance	Map ID	Page
STD OIL MARINA	***2510 SHELTER ISLAND***	***SW 1/4 - 1/2 (0.295 mi.)***	***N59***	***233***

Case Number: H03413-001
Facility Status: Remedial Action (Clean-Up)

DRISCOLL CUSTOM BOAT	***2500 SHELTER ISLAND***	***SW 1/4 - 1/2 (0.295 mi.)***	***N60***	***256***

Case Number: H09719-001
Case Number: H09719-002
Facility Status: Leak Being Confirmed
Facility Status: Preliminary Assessment

KOEHLER KRAFT	***2302 SHELTER ISLAND***	***S 1/4 - 1/2 (0.297 mi.)***	***62***	***303***

EXECUTIVE SUMMARY

Case Number: H00861-001
Facility Status: Leak Being Confirmed

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 26 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON PRODUCTS CO	***4823 N HARBOR DR***	***N 0 - 1/8 (0.083 mi.)***	***E20***	***47***

Database: LUST, Date of Government Version: 05/23/2022
Status: Completed - Case Closed
Global Id: T06019742346

FORMER BAY CITY MARI	4960 HARBOR DR N	WNW 1/8 - 1/4 (0.132 mi.)	H33	69

Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 7/6/00
Status: Case Closed
Case Number: 9UT2729

HARBOR FUEL DOCK	***4960 N HARBOR DR***	***WNW 1/8 - 1/4 (0.132 mi.)***	***H34***	***69***

Database: LUST, Date of Government Version: 05/23/2022
Status: Completed - Case Closed
Global Id: T0607301483

THRIFTY #116	***1551 ROSECRANS***	***NW 1/4 - 1/2 (0.272 mi.)***	***L54***	***136***

Database: LUST, Date of Government Version: 05/23/2022
Status: Completed - Case Closed
Global Id: T0607302341

THRIFTY #116	***1551 ROSECRANS ST***	***NW 1/4 - 1/2 (0.272 mi.)***	***L56***	***140***

Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Remediation Plan
Case Number: 9UT3573

SHARON M MAY	***1624 ROSECRANS STREE***	***NW 1/4 - 1/2 (0.316 mi.)***	***Q66***	***349***

Database: LUST, Date of Government Version: 05/23/2022
Status: Completed - Case Closed
Global Id: T0607303158

MOBIL SERVICE STATIO	1624 ROSECRANS ST	NW 1/4 - 1/2 (0.316 mi.)	Q68	359

Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 8/20/96
Status: Case Closed
Case Number: 9UT916

TONGA FUELS MARINA	***2385 SHELTER ISLAND***	***SSW 1/4 - 1/2 (0.316 mi.)***	***M69***	***360***

Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 8/23/96
Status: Case Closed
Case Number: 9UT597

TONGA FUELS MARINA	***2385 SHELTER ISLAND***	***SSW 1/4 - 1/2 (0.316 mi.)***	***M71***	***365***

Database: LUST, Date of Government Version: 05/23/2022
Status: Completed - Case Closed
Global Id: T0607302882

PEARSON MARINE	***2435 SHELTER ISLAND***	***SSW 1/4 - 1/2 (0.316 mi.)***	***M74***	***411***

Database: LUST, Date of Government Version: 05/23/2022

Status: Completed - Case Closed
Status: Preliminary site assessment underway
Global Id: T0607302985
Case Number: 9UT719

PEARSON MARINE FUELS ***2435 SHELTER ISLAND*** ***SSW 1/4 - 1/2 (0.316 mi.)*** ***M75*** ***426***
Database: LUST REG 9, Date of Government Version: 03/01/2001

KETTENBURG MARINE ***2810 CARLETON STREET*** ***WSW 1/4 - 1/2 (0.318 mi.)*** ***R76*** ***458***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Database: LUST, Date of Government Version: 05/23/2022
Status: Completed - Case Closed
Closed Date: 12/3/98
Status: Case Closed
Global Id: T0607300522
Case Number: 9UT1724

CHEVRON SERVICE STAT ***1704 ROSECRANS ST*** ***NNW 1/4 - 1/2 (0.344 mi.)*** ***O80*** ***483***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Database: LUST, Date of Government Version: 05/23/2022
Status: Completed - Case Closed
Status: Post remedial action monitoring
Global Id: T0607303143
Case Number: 9UT90

CALTRANS - DISTRICT ***1740 ROSECRANS ST*** ***NNW 1/4 - 1/2 (0.351 mi.)*** ***S81*** ***534***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Remedial action (cleanup) Underway
Case Number: 9UT1530

CALTRANS - DISTRICT ***1740 ROSECRANS*** ***NNW 1/4 - 1/2 (0.351 mi.)*** ***S82*** ***539***
Database: LUST, Date of Government Version: 05/23/2022
Status: Completed - Case Closed
Global Id: T0607300351

NORTHERN TRUST OF CA ***1313 ROSECRANS ST*** ***W 1/4 - 1/2 (0.352 mi.)*** ***T83*** ***544***
Database: LUST, Date of Government Version: 05/23/2022
Status: Open - Site Assessment
Global Id: T0607391317

ONE HOUR PHOTO 1313 ROSECRANS STREE W 1/4 - 1/2 (0.352 mi.) T84 551
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Preliminary site assessment workplan submitted
Case Number: 9UT4099

AUTOHAUS FRANKFURT ***1221 ROSECRANS ST*** ***W 1/4 - 1/2 (0.404 mi.)*** ***U87*** ***553***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Database: LUST, Date of Government Version: 05/23/2022
Status: Completed - Case Closed
Status: Preliminary site assessment underway
Global Id: T0607300382
Case Number: 9UT1562

7-ELEVEN STORE #2287 ***1826 ROSECRANS*** ***NNW 1/4 - 1/2 (0.404 mi.)*** ***V89*** ***568***
Database: LUST, Date of Government Version: 05/23/2022
Status: Open - Remediation
Global Id: T0607302653

7-ELEVEN STORE #2287 ***1826 ROSECRANS ST*** ***NNW 1/4 - 1/2 (0.404 mi.)*** ***V92*** ***602***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Preliminary site assessment workplan submitted

Case Number: 9UT3892

WEST MARINE FACILITY	***1214 ROSECRANS ST***	***W 1/4 - 1/2 (0.440 mi.)***	***U97***	***612***

Database: LUST REG 9, Date of Government Version: 03/01/2001
Database: LUST, Date of Government Version: 05/23/2022
Status: Completed - Case Closed
Status: Preliminary site assessment underway
Global Id: T0607301925
Case Number: 9UT3157

SHELL SERVICE STATIO	***1930 ROSECRANS***	***N 1/4 - 1/2 (0.475 mi.)***	***X100***	***618***

Database: LUST, Date of Government Version: 05/23/2022
Status: Completed - Case Closed
Global Id: T0608171734

SHELL SERVICE STATIO	***1930 ROSECRANS ST***	***N 1/4 - 1/2 (0.475 mi.)***	***X101***	***631***

Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 3/18/87
Status: Case Closed
Case Number: 9UT478

Lower Elevation	Address	Direction / Distance	Map ID	Page
HIGH SEAS TUNA MARIN	2510 SHELTER ISLAND	SW 1/4 - 1/2 (0.295 mi.)	N58	232

Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Remedial action (cleanup) Underway
Case Number: 9UT97

STD OIL MARINA	***2510 SHELTER ISLAND***	***SW 1/4 - 1/2 (0.295 mi.)***	***N59***	***233***

Database: LUST REG 9, Date of Government Version: 03/01/2001
Database: LUST, Date of Government Version: 05/23/2022
Status: Open - Eligible for Closure
Status: Preliminary site assessment underway
Global Id: T0607303203
Case Number: 9UT1894

DRISCOLL CUSTOM BOAT	***2500 SHELTER ISLAND***	***SW 1/4 - 1/2 (0.295 mi.)***	***N61***	***273***

Database: LUST, Date of Government Version: 05/23/2022
Status: Completed - Case Closed
Global Id: T0607300674

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 17 CPS-SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON PRODUCTS CO	***4823 N HARBOR DR***	***N 0 - 1/8 (0.083 mi.)***	***E20***	***47***

Database: CPS-SLIC, Date of Government Version: 05/23/2022
Global Id: SLT19759327
Global Id: T0608168769
Global Id: T0608136337
Global Id: T0608110892

Facility Status: Completed - Case Closed

THRIFTY #116 ***1551 ROSECRANS*** ***NW 1/4 - 1/2 (0.272 mi.)*** ***L54*** ***136***
Database: CPS-SLIC, Date of Government Version: 05/23/2022
Global Id: T0608158727
Facility Status: Completed - Case Closed

BOSTON MARKET ***1661 ROSECRANS ST*** ***NW 1/4 - 1/2 (0.302 mi.)*** ***O63*** ***346***
Database: CPS-SLIC, Date of Government Version: 05/23/2022
Global Id: T0608112317
Facility Status: Completed - Case Closed

SHELTER ISLAND YACHT ***2385 SHELTER ISLAND*** ***SSW 1/4 - 1/2 (0.316 mi.)*** ***M70*** ***364***
Database: CPS-SLIC, Date of Government Version: 05/23/2022
Global Id: T10000008884
Facility Status: Open - Inactive

PEARSON MARINE ***2435 SHELTER ISLAND*** ***SSW 1/4 - 1/2 (0.316 mi.)*** ***M74*** ***411***
Database: CPS-SLIC, Date of Government Version: 05/23/2022
Global Id: T0607397184
Facility Status: Completed - Case Closed

KETTENBURG MARINE ***2810 CARLETON STREET*** ***WSW 1/4 - 1/2 (0.318 mi.)*** ***R76*** ***458***
Database: CPS-SLIC, Date of Government Version: 05/23/2022
Global Id: T10000003049
Global Id: T06019764082
Facility Status: Completed - Case Closed

DRISCOLL’S WEST BOAT ***2700 SHELTER ISLAND*** ***WSW 1/4 - 1/2 (0.326 mi.)*** ***79*** ***479***
Database: CPS-SLIC, Date of Government Version: 05/23/2022
Global Id: T10000000364
Facility Status: Completed - Case Closed

FETTER COMMERCIAL PR ***1276-1278 ROSECRANS*** ***W 1/4 - 1/2 (0.394 mi.)*** ***T86*** ***553***
Database: CPS-SLIC, Date of Government Version: 05/23/2022
Global Id: T0608150384
Facility Status: Completed - Case Closed

ROSECRANS CENTER ***1868 ROSECRANS AV*** ***NNW 1/4 - 1/2 (0.438 mi.)*** ***V95*** ***609***
Database: CPS-SLIC, Date of Government Version: 05/23/2022
Global Id: T0608111780
Facility Status: Completed - Case Closed

UNION BANK OF CALIF ***1175 ROSECRANS ST*** ***WSW 1/4 - 1/2 (0.440 mi.)*** ***U96*** ***610***
Database: CPS-SLIC, Date of Government Version: 05/23/2022
Global Id: T0608192186
Facility Status: Completed - Case Closed

REUBEN H. FLEET CTR 1155 ROSECRANS ST WSW 1/4 - 1/2 (0.452 mi.) W99 618
Database: CPS-SLIC, Date of Government Version: 05/23/2022
Global Id: T0608164276
Facility Status: Completed - Case Closed

SHELL SERVICE STATIO ***1930 ROSECRANS*** ***N 1/4 - 1/2 (0.475 mi.)*** ***X100*** ***618***
Database: CPS-SLIC, Date of Government Version: 05/23/2022
Global Id: T0608146580
Facility Status: Completed - Case Closed

CABRILLO MOTOR LODGE ***1150 ROSECRANS ST*** ***WSW 1/4 - 1/2 (0.478 mi.)*** ***W103*** ***651***
Database: CPS-SLIC, Date of Government Version: 05/23/2022
Global Id: T0608176935
Facility Status: Completed - Case Closed

Lower Elevation	Address	Direction / Distance	Map ID	Page
COMMERCIAL BASIN (AM	COMMERCIAL BASIN	WNW 0 - 1/8 (0.052 mi.)	11	34

Database: CPS-SLIC, Date of Government Version: 05/23/2022

Global Id: T10000005129
Facility Status: Completed - Case Closed

NIELSEN BEAUMONT MAR	***2420 SHELTER ISLAND***	***SSW 1/4 - 1/2 (0.291 mi.)***	***M57***	***171***
Database: CPS-SLIC, Date of Government Version: 05/23/2022 Global Id: SL189014174 Facility Status: Completed - Case Closed				
DRISCOLL CUSTOM BOAT	***2500 SHELTER ISLAND***	***SW 1/4 - 1/2 (0.295 mi.)***	***N61***	***273***
Database: CPS-SLIC, Date of Government Version: 05/23/2022 Global Id: SL189024175 Facility Status: Completed - Case Closed				
KOEHLER KRAFT	***2302 SHELTER ISLAND***	***S 1/4 - 1/2 (0.297 mi.)***	***62***	***303***
Database: CPS-SLIC, Date of Government Version: 05/23/2022 Global Id: T10000005130 Facility Status: Completed - Case Closed				

Lists of state and tribal registered storage tanks

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board’s Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 15 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SAN DIEGO FLEET ANTI	NO. HARBOR DRIVE	0 - 1/8 (0.000 mi.)	A3	23
Database: MILITARY UST SITES, Date of Government Version: 05/23/2022				
SAN DIEGO FLEET ANTI	33000 NIXIE WAY BLDG	NE 0 - 1/8 (0.014 mi.)	A6	27
Database: MILITARY UST SITES, Date of Government Version: 05/23/2022				
SAN DIEGO NAVAL SUBB	33000 NIXIE WAY BLDG	NE 0 - 1/8 (0.014 mi.)	A8	28
Database: MILITARY UST SITES, Date of Government Version: 05/23/2022				
SAN DIEGO FLEET ANTI	BLDG 5	E 0 - 1/8 (0.058 mi.)	C13	35
Database: MILITARY UST SITES, Date of Government Version: 05/23/2022				
SAN DIEGO FLEET ANTI	BLDG 7 FLEASWTRACENP	E 0 - 1/8 (0.078 mi.)	C15	36
Database: MILITARY UST SITES, Date of Government Version: 05/23/2022				
SAN DIEGO FLEET ANTI	NO. HARBOR DRIVE	ESE 0 - 1/8 (0.089 mi.)	C24	58
Database: MILITARY UST SITES, Date of Government Version: 05/23/2022				
SAN DIEGO FLEET ANTI	BLDG P-245	E 0 - 1/8 (0.102 mi.)	F28	66
Database: MILITARY UST SITES, Date of Government Version: 05/23/2022				
SAN DIEGO FLEET ANTI	NO. HARBOR DRIVE	E 0 - 1/8 (0.105 mi.)	C29	67
Database: MILITARY UST SITES, Date of Government Version: 05/23/2022				
SAN DIEGO FLEET ANTI	NO. HARBOR DRIVE	ENE 0 - 1/8 (0.106 mi.)	30	67
Database: MILITARY UST SITES, Date of Government Version: 05/23/2022				
SAN DIEGO FLEET ANTI	NO.HARBOR DRIVE	ESE 0 - 1/8 (0.123 mi.)	G31	68
Database: MILITARY UST SITES, Date of Government Version: 05/23/2022				
SAN DIEGO FLEET ANTI	BLDG 2	E 1/8 - 1/4 (0.152 mi.)	F41	119
Database: MILITARY UST SITES, Date of Government Version: 05/23/2022				
SAN DIEGO FLEET ANTI	BLDG 506 BLDG 506 TE	ENE 1/8 - 1/4 (0.168 mi.)	I44	120
Database: MILITARY UST SITES, Date of Government Version: 05/23/2022				

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SAN DIEGO NAVAL TRAI	BLDG 508	NNE 1/8 - 1/4 (0.191 mi.)	J48	126
Database: MILITARY UST SITES, Date of Government Version: 05/23/2022				
SAN DIEGO NAVAL TRAI	BLDG 344	NNW 1/8 - 1/4 (0.247 mi.)	K53	135
Database: MILITARY UST SITES, Date of Government Version: 05/23/2022				

Lower Elevation	Address	Direction / Distance	Map ID	Page
SAN DIEGO FLEET ANTI	NO. HARBOR DRIVE	ESE 1/8 - 1/4 (0.172 mi.)	G45	121
Database: MILITARY UST SITES, Date of Government Version: 05/23/2022				

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there are 2 AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NBPL - HDA - EOD TEU	BLDG 54	ESE 0 - 1/8 (0.008 mi.)	B4	23
Database: AST, Date of Government Version: 07/06/2016				
NBPL - HDA - (MISC S	BLDG 11	ESE 0 - 1/8 (0.055 mi.)	C12	34
Database: AST, Date of Government Version: 07/06/2016				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 01/18/2022 has revealed that there are 5 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NBPL - HDA - EOD TEU	***BLDG 54***	***ESE 0 - 1/8 (0.008 mi.)***	***B5***	***24***
BUMED NBPL ASW BRANC	***BLDG 10 ECHO LANE***	***NNW 0 - 1/8 (0.023 mi.)***	***10***	***31***
SDCTY-MARINE BIOLOGY	***4918 N HARBOR DR***	***NW 0 - 1/8 (0.091 mi.)***	***D25***	***59***
SUN HARBOR MARINA	***5000 N HARBOR DR STE***	***WNW 1/8 - 1/4 (0.150 mi.)***	***H39***	***105***
NBPL - MINE WARFARE	***BLDG 652***	***ENE 1/8 - 1/4 (0.198 mi.)***	***I50***	***129***

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 2 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
92194 Status: A Tank Status: A Comp Number: 5684	***4823 N HARBOR***	***N 0 - 1/8 (0.083 mi.)***	***E21***	***52***
HARBOR FUEL DOCK Status: A Tank Status: A Comp Number: 16749	***4960 N HARBOR DR***	***WNW 1/8 - 1/4 (0.132 mi.)***	***H34***	***69***

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 4 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
92194 Facility Id: 00000062208	***4823 N HARBOR***	***N 0 - 1/8 (0.083 mi.)***	***E21***	***52***
HARBOR FUEL DOCK Facility Id: 00000054446	***4960 N HARBOR DR***	***WNW 1/8 - 1/4 (0.132 mi.)***	***H34***	***69***
HARBORSIDE PETROLUEM Facility Id: 00000059353	4960 N HARBOR DR	WNW 1/8 - 1/4 (0.132 mi.)	H37	100
HARBORSIDE PETROLUEM	***4960 NORTH HARBOR DR***	***WNW 1/8 - 1/4 (0.132 mi.)***	***H38***	***101***

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 01/18/2022 has revealed that there are 11 CERS TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NBPL - HDA - EOD TEU	***BLDG 54***	***ESE 0 - 1/8 (0.008 mi.)***	***B5***	***24***
SAN DIEGO NAVAL SUBB	33000 NIXIE WAY BLDG	NE 0 - 1/8 (0.014 mi.)	A7	28
SAN DIEGO FLEET ANTI	***33000 NIXIE WAY BLDG***	***NE 0 - 1/8 (0.014 mi.)***	***A9***	***29***
SAN DIEGO FLEET ANTI	BLDG 5	E 0 - 1/8 (0.058 mi.)	C14	36
SAN DIEGO FLEET ANTI	BLDG 7 FLEASWTRACENP	E 0 - 1/8 (0.078 mi.)	C16	37
SAN DIEGO FLEET ANTI	BLDG P-245	E 0 - 1/8 (0.102 mi.)	F27	66
SAN DIEGO FLEET ANTI	NO.HARBOR DRIVE	ESE 0 - 1/8 (0.123 mi.)	G32	68
SAN DIEGO FLEET ANTI	BLDG 2	E 1/8 - 1/4 (0.152 mi.)	F42	119
SAN DIEGO FLEET ANTI	BLDG 506 BLDG 506 TE	ENE 1/8 - 1/4 (0.168 mi.)	I43	120
SAN DIEGO NAVAL TRAI	BLDG 508	NNE 1/8 - 1/4 (0.191 mi.)	J47	125
SAN DIEGO NAVAL TRAI	BLDG 344	NNW 1/8 - 1/4 (0.247 mi.)	K52	135

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 02/28/2022 has revealed that there are 5 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON STATION NO 9 EPA ID:: CAR000125344	***4823 N HARBOR DR***	***N 0 - 1/8 (0.083 mi.)***	***E18***	***37***
DRISCOLL MARINA LTD EPA ID:: CAL000004624	4918 N HARBOR DR	NW 0 - 1/8 (0.091 mi.)	D26	63
SUN HARBOR MARINA EPA ID:: CAL000404517	5000 N HARBOR DR STE	WNW 1/8 - 1/4 (0.150 mi.)	H40	116
HILLGREN HOLDINGS LL EPA ID:: CAL000431067	2810 KEATS ST	NNW 1/8 - 1/4 (0.193 mi.)	49	127
FISHERMAN'S LANDING EPA ID:: CAL000180174	2838 GARRISON ST	WNW 1/8 - 1/4 (0.226 mi.)	51	132

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 12/01/2021 has revealed that there are 2 FUDS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NAVAL TRAINING STATI		NNE 1/2 - 1 (0.643 mi.)	Y105	653

Lower Elevation	Address	Direction / Distance	Map ID	Page
SHELTER ISLAND FIRIN		SSE 1/4 - 1/2 (0.313 mi.)	P64	348

DOD: Consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

A review of the DOD list, as provided by EDR, and dated 06/07/2021 has revealed that there are 3 DOD sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NAVBASE CORONADO		SE 1/2 - 1 (0.653 mi.)	0	22
HARBOR DRIVE		0 - 1/8 (0.000 mi.)	0	22
FORMER NTC		NE 1/8 - 1/4 (0.169 mi.)	0	23

EXECUTIVE SUMMARY

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 12/16/2021 has revealed that there are 16 Cortese sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON PRODUCTS CO Cleanup Status: COMPLETED - CASE CLOSED	*4823 N HARBOR DR*	*N 0 - 1/8 (0.083 mi.)*	*E19*	*45*
HARBOR FUEL DOCK Cleanup Status: COMPLETED - CASE CLOSED	*4960 N HARBOR DR*	*WNW 1/8 - 1/4 (0.132 mi.)*	*H34*	*69*
ARCO PSI# 9575 Cleanup Status: COMPLETED - CASE CLOSED	*1551 ROSECRANS ST*	*NW 1/4 - 1/2 (0.272 mi.)*	*L55*	*139*
PATS MOBIL SERVICE Cleanup Status: COMPLETED - CASE CLOSED	*1624 ROSECRANS ST*	*NW 1/4 - 1/2 (0.316 mi.)*	*Q67*	*351*
TONGA FUELS MARINA Cleanup Status: COMPLETED - CASE CLOSED	*2385 SHELTER ISLAND*	*SSW 1/4 - 1/2 (0.316 mi.)*	*M71*	*365*
PEARSONS MARINE SERV Cleanup Status: COMPLETED - CASE CLOSED	*2435 SHELTER ISLAND*	*SSW 1/4 - 1/2 (0.316 mi.)*	*M73*	*373*
FRMR. DRISCOLL WEST/ Cleanup Status: COMPLETED - CASE CLOSED	*2810 CARLETON ST*	*WSW 1/4 - 1/2 (0.318 mi.)*	*R77*	*476*
CHEVRON SERVICE STAT Cleanup Status: COMPLETED - CASE CLOSED	*1704 ROSECRANS ST*	*NNW 1/4 - 1/2 (0.344 mi.)*	*O80*	*483*
CALTRANS - DISTRICT Cleanup Status: COMPLETED - CASE CLOSED	*1740 ROSECRANS ST*	*NNW 1/4 - 1/2 (0.351 mi.)*	*S81*	*534*
NORTHERN TRUST OF CA Cleanup Status: OPEN - SITE ASSESSMENT	*1313 ROSECRANS ST*	*W 1/4 - 1/2 (0.352 mi.)*	*T83*	*544*
AUTOHAUS FRANKFURT Cleanup Status: COMPLETED - CASE CLOSED	*1221 ROSECRANS ST*	*W 1/4 - 1/2 (0.404 mi.)*	*U87*	*553*
7-ELEVEN FOOD STORE Cleanup Status: OPEN - REMEDIATION	*1826 ROSECRANS ST*	*NNW 1/4 - 1/2 (0.404 mi.)*	*V91*	*600*
WEST MARINE FACILITY Cleanup Status: COMPLETED - CASE CLOSED	*1214 ROSECRANS ST*	*W 1/4 - 1/2 (0.440 mi.)*	*U97*	*612*
ROSECRANS SHELL Cleanup Status: COMPLETED - CASE CLOSED	*1930 ROSECRANS ST*	*N 1/4 - 1/2 (0.475 mi.)*	*X102*	*644*

Lower Elevation	Address	Direction / Distance	Map ID	Page
STD OIL MARINA Cleanup Status: OPEN - ELIGIBLE FOR CLOSURE	*2510 SHELTER ISLAND*	*SW 1/4 - 1/2 (0.295 mi.)*	*N59*	*233*
DRISCOLL CUSTOM BOAT Cleanup Status: COMPLETED - CASE CLOSED	*2500 SHELTER ISLAND*	*SW 1/4 - 1/2 (0.295 mi.)*	*N60*	*256*

EXECUTIVE SUMMARY

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 15 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BAY CITY MARINE, INC Reg Id: 9UT2729	***4960 HARBOR DR***	***WNW 1/8 - 1/4 (0.132 mi.)***	***H35***	***96***
THRIFTY #116 Reg Id: 9UT3573	***1551 ROSECRANS***	***NW 1/4 - 1/2 (0.272 mi.)***	***L54***	***136***
SHARON M MAY Reg Id: 9UT916	***1624 ROSECRANS STREE***	***NW 1/4 - 1/2 (0.316 mi.)***	***Q66***	***349***
TONGA FUELS MARINA Reg Id: 9UT597	***2385 SHELTER ISLAND***	***SSW 1/4 - 1/2 (0.316 mi.)***	***M71***	***365***
PEARSON MARINE Reg Id: 9UT719	***2435 SHELTER ISLAND***	***SSW 1/4 - 1/2 (0.316 mi.)***	***M74***	***411***
KETTENBURG MARINE Reg Id: 9 000000104 Reg Id: 9UT1724	***2810 CARLETON STREET***	***WSW 1/4 - 1/2 (0.318 mi.)***	***R76***	***458***
CHEVRON SERVICE STAT Reg Id: 9UT90	***1704 ROSECRANS ST***	***NNW 1/4 - 1/2 (0.344 mi.)***	***O80***	***483***
CALTRANS - DISTRICT Reg Id: 9UT1530	***1740 ROSECRANS***	***NNW 1/4 - 1/2 (0.351 mi.)***	***S82***	***539***
AUTOHAUS FRANKFURT Reg Id: 9UT1562	***1221 ROSECRANS ST***	***W 1/4 - 1/2 (0.404 mi.)***	***U87***	***553***
7-ELEVEN STORE #2287 Reg Id: 9UT3892	***1826 ROSECRANS***	***NNW 1/4 - 1/2 (0.404 mi.)***	***V89***	***568***
WEST MARINE FACILITY Reg Id: 9UT3157	***1214 ROSECRANS ST***	***W 1/4 - 1/2 (0.440 mi.)***	***U97***	***612***
SHELL SERVICE STATIO Reg Id: 9UT478	***1930 ROSECRANS***	***N 1/4 - 1/2 (0.475 mi.)***	***X100***	***618***

Lower Elevation	Address	Direction / Distance	Map ID	Page
NIELSEN BEAUMONT MAR Reg Id: 9 000074N88 Reg Id: 9 000000112	***2420 SHELTER ISLAND***	***SSW 1/4 - 1/2 (0.291 mi.)***	***M57***	***171***
STD OIL MARINA Reg Id: 9UT97 Reg Id: 9UT1894	***2510 SHELTER ISLAND***	***SW 1/4 - 1/2 (0.295 mi.)***	***N59***	***233***
DRISCOLL CUSTOM BOAT Reg Id: 9 000000484	***2500 SHELTER ISLAND***	***SW 1/4 - 1/2 (0.295 mi.)***	***N61***	***273***

EXECUTIVE SUMMARY

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 12/13/2021 has revealed that there are 11 Notify 65 sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TONGA FUELS MARINA	***2385 SHELTER ISLAND***	***SSW 1/4 - 1/2 (0.316 mi.)***	***M69***	***360***
Not reported	2385 SHELTER ISLAND	SSW 1/4 - 1/2 (0.316 mi.)	M72	373
CALTRANS - DISTRICT	***1740 ROSECRANS***	***NNW 1/4 - 1/2 (0.351 mi.)***	***S82***	***539***
Not reported	ADDISON & SHAFTER	WSW 1/4 - 1/2 (0.404 mi.)	88	568
1100 BLK OF ANCHORAG	AT SO. END OF CANON	WSW 1/4 - 1/2 (0.420 mi.)	93	608
Not reported	3422 ADDISON	W 1/2 - 1 (0.683 mi.)	106	655
SAN DIEGO HARBOR	SHELTER ISLAND PIER	SSW 1/2 - 1 (0.779 mi.)	107	655
MARINE CORPS RECRUIT	BLDG 514 MARINE CORP	NE 1/2 - 1 (0.996 mi.)	Z110	662
MARINE CORPS RECRUIT	BUILDING 514	NE 1/2 - 1 (0.996 mi.)	Z111	662

Lower Elevation	Address	Direction / Distance	Map ID	Page
DRISCOLL CUSTOM BOAT	***2500 SHELTER ISLAND***	***SW 1/4 - 1/2 (0.295 mi.)***	***N60***	***256***
NEAR MARINA CORTEZ F	***1880 HARBOR ISLAND D***	***E 1/2 - 1 (0.779 mi.)***	***108***	***655***

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 2 EDR Hist Auto sites within approximately 0.125 miles of the target property.

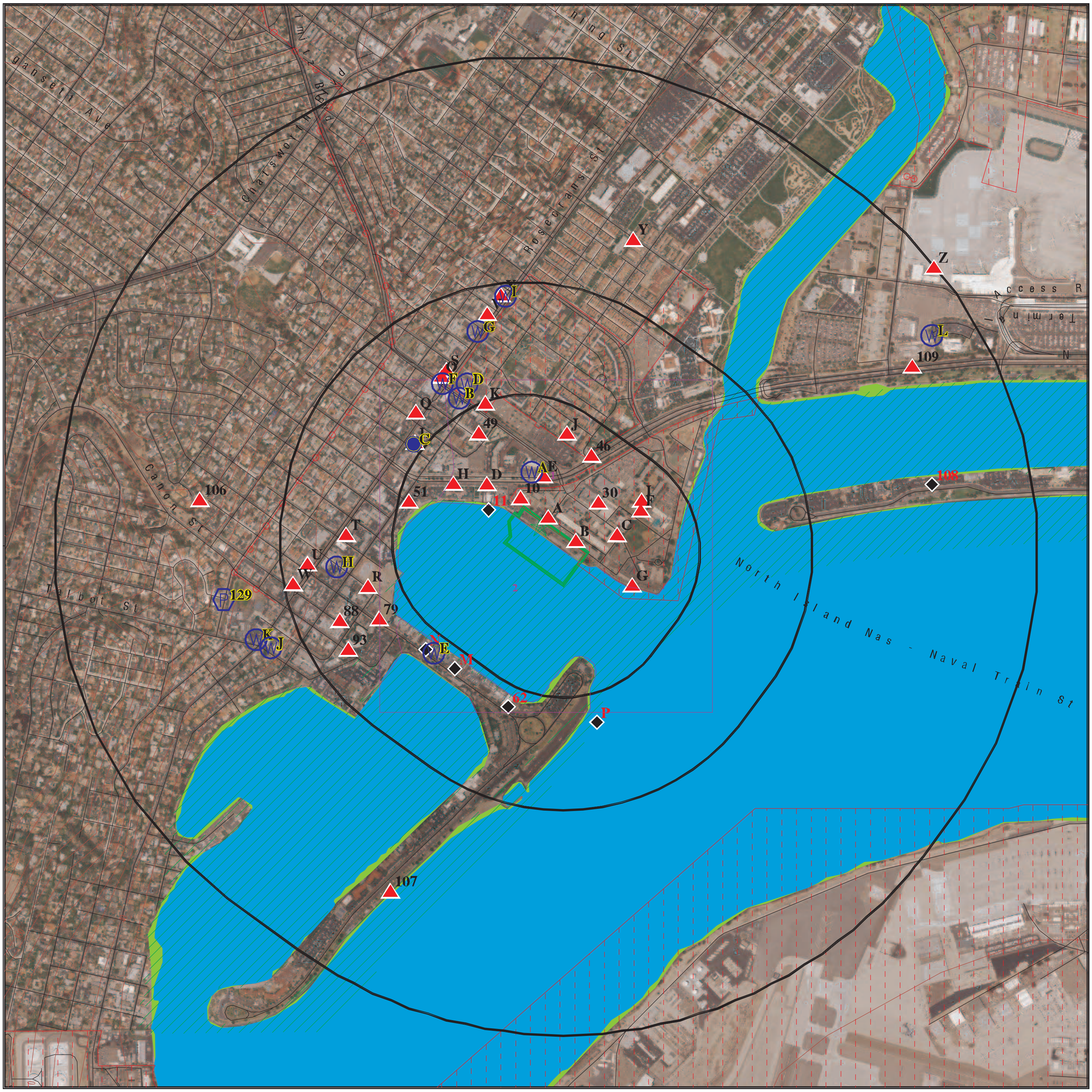
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NAUT-A-CARE	4904 N HARBOR DR STE	NW 0 - 1/8 (0.080 mi.)	D17	37
BUTLER CHARLES CHEVR	4823 N HARBOR DR	N 0 - 1/8 (0.083 mi.)	E22	55

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 16 records.

Site Name	Database(s)
WEST HARBOR BASIN	CPS-SLIC, CERS
SAN DIEGO CONVENTION CENTER EXPANS	SWF/LF
SUNSET CLIFFS BURNSITE	SWF/LF
SDG&E - SAMPSON SUBSTATION	San Diego Co. HMMD
LIL' SUCKER SERVICES INC	San Diego Co. HMMD
TOSCO IDLE PIPELINE	San Diego Co. HMMD
IQHQ-RADD I	CPS-SLIC
LAUREL TO HAWTHORN STREET EMBAYMEN	CPS-SLIC
LINDBERGH FIELD PLANT - BLDG 75	CPS-SLIC
HARBOR DRIVE MOBIL	EDR Hist Auto
INTERNATIONAL GATEWAY	ENVIROSTOR
MTS-PORT DISTRICT SITE CLOSED	SAN DIEGO CO. SAM
CAMPBELL INDUSTRIES	SAN DIEGO CO. SAM
USN-ASW TRAINING CENTER CST	SAN DIEGO CO. SAM
USN-FLEET ASW TRAINING CENTER	SAN DIEGO CO. SAM
FETTER COMMERCIAL PROPERTY	SAN DIEGO CO. SAM

OVERVIEW MAP - 07007244.2R



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: North Harbor Drive	CLIENT: Kleinfelder, Inc.
ADDRESS: 4900 North Harbor Drive	CONTACT: Jake Lippman
San Diego CA 92106	INQUIRY #: 07007244.2r
LAT/LONG: 32.724017 / 117.22216	DATE: June 06, 2022 12:34 pm

DETAIL MAP - 07007244.2R

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: North Harbor Drive ADDRESS: 4900 North Harbor Drive San Diego CA 92106 LAT/LONG: 32.724017 / 117.22216	CLIENT: Kleinfelder, Inc. CONTACT: Jake Lippman INQUIRY #: 07007244.2r DATE: June 06, 2022 12:35 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	1	NR	NR	1
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		1	1	NR	NR	NR	2
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	1	0	0	NR	1
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000		0	1	4	2	NR	7
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
SAN DIEGO CO. SAM	0.500		1	1	20	NR	NR	22
LUST	0.500		1	2	23	NR	NR	26
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		2	0	15	NR	NR	17
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		10	5	NR	NR	NR	15
AST	0.250		2	0	NR	NR	NR	2
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0

ADDITIONAL ENVIRONMENTAL RECORDS

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
San Diego Co. HMMD	TP		NR	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		3	2	NR	NR	NR	5
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
AQUEOUS FOAM	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		1	1	NR	NR	NR	2

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
HIST UST	0.250		1	3	NR	NR	NR	4
CA FID UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		7	4	NR	NR	NR	11
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP	1	NR	NR	NR	NR	NR	1
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		2	3	NR	NR	NR	5
FUDS	1.000		0	0	1	1	NR	2
DOD	1.000		1	1	0	1	NR	3
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ECHO	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		1	1	14	NR	NR	16
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP	1	NR	NR	NR	NR	NR	1
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	1	14	NR	NR	15
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	6	5	NR	11
UIC	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
SAN DIEGO CO LOP	TP		NR	NR	NR	NR	NR	0
CIWQS	TP		NR	NR	NR	NR	NR	0
CERS	TP		NR	NR	NR	NR	NR	0
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
HWTS	TP	1	NR	NR	NR	NR	NR	1
MINES MRDS	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		2	NR	NR	NR	NR	2
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		3	35	27	98	9	0	172

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
A1 **Target** **Property**	**4900 NORTH HARBOR DRIVE, DRISCOLL** **SAN DIEGO, CA 92101**	**CHMIRS**	**S125738634** **N/A**

Site 1 of 7 in cluster A

Actual:
9 ft.

CHMIRS:

Name:	Not reported
Address:	4900 NORTH HARBOR DRIVE, DRISCOLL
City,State,Zip:	SAN DIEGO, CA 92101
OES Incident Number:	19-5152
OES notification:	08/12/2019
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	America Cup Harbor / A2 Anchorage dock
Spill Site:	Waterways
Cleanup By:	Unrecoverable
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Sheen
Other:	Not reported
Date/Time:	1200
Year:	2019
Agency:	Harbor police
Incident Date:	08/12/2019
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Unknown if stopped
Site Type:	America Cup Harbor / A2 Anchorage dock

(Continued) **S125738634**

E Date:	Not reported
Substance:	Diesel
Quantity Released:	50-200 ft
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	RP states: A citizen flagged down RP and advised of a sheen. The sheen is coming from an unknown source. The material will be unrecoverable.

A2	**NAUT-A-CARE**	**HAZNET**	**S113098877**
Target	**4900-4930 N HARBOR DR**	**HWTS**	**N/A**
Property	**SAN DIEGO, CA 92106**		

Site 2 of 7 in cluster A

Actual:
9 ft.

HAZNET:

Name:	NAUT-A-CARE
Address:	4900-4930 N HARBOR DR
Address 2:	Not reported
City,State,Zip:	SAN DIEGO, CA 921060000
Contact:	JOHN SULLIVAN/OWNER, OPER
Telephone:	6195439682
Mailing Name:	Not reported
Mailing Address:	14 GREENWAY PLAZA 12P
Year:	2007
Gepaid:	CAL000188807
TSD EPA ID:	CAL000161743
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.729
Year:	2001
Gepaid:	CAL000188807
TSD EPA ID:	CAT080012602
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	2.3028
Year:	2000
Gepaid:	CAL000188807
TSD EPA ID:	CAD980887418
CA Waste Code:	221 - Waste oil and mixed oil

NAUT-A-CARE (Continued) **S113098877**

Disposal Method: R01 - Recycler
Tons: 6.669

Year: 2000
Gepaid: CAL000188807
TSD EPA ID: CAT080033681
CA Waste Code: 352 - Other organic solids
Disposal Method: D80 - Disposal, Land Fill
Tons: 0.05

Year: 1999
Gepaid: CAL000188807
TSD EPA ID: CAT080033681
CA Waste Code: 352 - Other organic solids
Disposal Method: D80 - Disposal, Land Fill
Tons: 0.25

Year: 1999
Gepaid: CAL000188807
TSD EPA ID: CAT080012602
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H01 - Transfer Station
Tons: 0.38

Year: 1999
Gepaid: CAL000188807
TSD EPA ID: CAT080013352
CA Waste Code: 222 - Oil/water separation sludge
Disposal Method: R01 - Recycler
Tons: 11.4257

Year: 1999
Gepaid: CAL000188807
TSD EPA ID: CAT080012602
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: -
Tons: 1.251

Year: 1998
Gepaid: CAL000188807
TSD EPA ID: CAT080013352
CA Waste Code: 133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method: R01 - Recycler
Tons: 0.3294

Year: 1998
Gepaid: CAL000188807
TSD EPA ID: CAL000161743
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: -
Tons: 6.726

Click this hyperlink while viewing on your computer to access
4 additional CA HAZNET: record(s) in the EDR Site Report.

NAUT-A-CARE (Continued) **S113098877**

Additional Info:

Year:	1999
Gen EPA ID:	CAL000188807
Shipment Date:	19991104
Creation Date:	1/19/2000 0:00:00
Receipt Date:	19991112
Manifest ID:	99363418
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	2.8147
Waste Quantity:	675
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19991005
Creation Date:	1/4/2000 0:00:00
Receipt Date:	19991019
Manifest ID:	99124710
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990930
Creation Date:	12/17/1999 0:00:00
Receipt Date:	19990930
Manifest ID:	99126465
Trans EPA ID:	CAD028277036

NAUT-A-CARE (Continued) **S113098877**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	3.336
Waste Quantity:	800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990630
Creation Date:	8/19/1999 0:00:00
Receipt Date:	19990630
Manifest ID:	97225088
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.4595
Waste Quantity:	350
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990414
Creation Date:	5/27/1999 0:00:00
Receipt Date:	19990414
Manifest ID:	98160722
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported

NAUT-A-CARE (Continued) **S113098877**

Meth Code:	R01 - Recycler
Quantity Tons:	1.0008
Waste Quantity:	240
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990324
Creation Date:	5/17/1999 0:00:00
Receipt Date:	19990329
Manifest ID:	98709698
Trans EPA ID:	CAL000188867
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080012602
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080012602
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.38
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990324
Creation Date:	5/17/1999 0:00:00
Receipt Date:	19990329
Manifest ID:	98709698
Trans EPA ID:	CAL000188867
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080012602
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080012602
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	1.251
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

NAUT-A-CARE (Continued) **S113098877**

Shipment Date:	19990223
Creation Date:	5/17/1999 0:00:00
Receipt Date:	19990304
Manifest ID:	98851024
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990212
Creation Date:	4/20/1999 0:00:00
Receipt Date:	19990212
Manifest ID:	98165038
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	2.8147
Waste Quantity:	675
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2007
Gen EPA ID:	CAL000188807

Shipment Date:	20070104
Creation Date:	8/3/2007 18:30:13
Receipt Date:	20070104
Manifest ID:	001207277JJK
Trans EPA ID:	CAL000188867

NAUT-A-CARE (Continued) **S113098877**

Trans Name:	MAXIMUM OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000161743
Trans Name:	ALVISO OIL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.729
Waste Quantity:	455
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1998
Gen EPA ID:	CAL000188807

Shipment Date:	19981102
Creation Date:	1/13/1999 0:00:00
Receipt Date:	19981102
Manifest ID:	98164949
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	3.1275
Waste Quantity:	750
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19981027
Creation Date:	1/5/1999 0:00:00
Receipt Date:	19981028
Manifest ID:	98501730
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352

NAUT-A-CARE (Continued) **S113098877**

Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.1668
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980922
Creation Date:	11/19/1998 0:00:00
Receipt Date:	19980922
Manifest ID:	97443361
Trans EPA ID:	CAD082699562
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980916
Creation Date:	11/24/1998 0:00:00
Receipt Date:	19980917
Manifest ID:	98164853
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	3.1275
Waste Quantity:	750
Quantity Unit:	G

NAUT-A-CARE (Continued) **S113098877**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980827
Creation Date:	11/2/1998 0:00:00
Receipt Date:	Not reported
Manifest ID:	97384575
Trans EPA ID:	CAL000188867
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000161743
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	2.508
Waste Quantity:	660
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980821
Creation Date:	11/2/1998 0:00:00
Receipt Date:	Not reported
Manifest ID:	97384564
Trans EPA ID:	CAL000188867
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000161743
Trans Name:	Not reported
TSDF Alt EPA ID:	CAL000161743
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	4.218
Waste Quantity:	1110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980804
Creation Date:	10/1/1998 0:00:00
Receipt Date:	19980805

NAUT-A-CARE (Continued) **S113098877**

Manifest ID:	98163454
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.1626
Waste Quantity:	39
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980730
Creation Date:	10/1/1998 0:00:00
Receipt Date:	19980731
Manifest ID:	96834816
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.0425
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980720
Creation Date:	10/1/1998 0:00:00
Receipt Date:	19980720
Manifest ID:	97230718
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported

NAUT-A-CARE (Continued) **S113098877**

Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.3761
Waste Quantity:	330
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980711
Creation Date:	10/20/1998 0:00:00
Receipt Date:	19980715
Manifest ID:	97384521
Trans EPA ID:	CAL000188867
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000161743
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080012602
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	1.824
Waste Quantity:	480
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2000
Gen EPA ID:	CAL000188807

Shipment Date:	20000922
Creation Date:	12/13/2000 0:00:00
Receipt Date:	20000922
Manifest ID:	98367114
Trans EPA ID:	CAL000188867
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980887418
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD980887418
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	6.669
Waste Quantity:	1755

NAUT-A-CARE (Continued) **S113098877**

Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20000502
Creation Date: 8/1/2000 0:00:00
Receipt Date: 20000504
Manifest ID: 99778233
Trans EPA ID: CA0000001818
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080033681
Trans Name: Not reported
TSDF Alt EPA ID: CAT080033681
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: D80 - Disposal, Land Fill
Quantity Tons: 0.05
Waste Quantity: 100
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2001
Gen EPA ID: CAL000188807

Shipment Date: 20010618
Creation Date: 8/24/2001 0:00:00
Receipt Date: 20010618
Manifest ID: 21061332
Trans EPA ID: CAL000188807
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080012602
Trans Name: Not reported
TSDF Alt EPA ID: CAT080012602
TSDF Alt Name: Not reported
Waste Code Description: 221 - Waste oil and mixed oil
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 2.3028
Waste Quantity: 606
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported

NAUT-A-CARE (Continued) **S113098877**

Additional Code 5:	Not reported

HWTS:

Name:	NAUT-A-CARE
Address:	4900-4930 N HARBOR DR
Address 2:	Not reported
City,State,Zip:	SAN DIEGO, CA 92106
EPA ID:	CAL000188807
Inactive Date:	06/30/2000
Create Date:	12/16/1997
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	14 GREENWAY PLAZA 12P
Mailing Address 2:	Not reported
Mailing City,State,Zip:	HOUSTON, TX 770461071
Owner Name:	JOHN SULLIVAN
Owner Address:	1450 HARBOR ISLAND DR STE 206
Owner Address 2:	Not reported
Owner City,State,Zip:	SAN DIEGO, CA 921011071
Contact Name:	JOHN SULLIVAN/OWNER, OPER
Contact Address:	INACTIVE PER VQ01 - BMI
Contact Address 2:	Not reported
City,State,Zip:	SAN DIEGO, CA 921011071
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	32.725134
Longitude:	-117.223795

DOD
Region
SE
1/2-1
3450 ft.

NAVBASE CORONADO **DOD** **CUSA401451**
N/A

, CA

DOD:

Site Name:	NAVBASE CORONADO
DOD Component:	Navy Active
Joint Base:	N/A
Operating Status:	ACT (Active): Site has an on-going operational/support mission (s).

DOD
Region

< 1/8
1 ft.

HARBOR DRIVE **DOD** **CUSA401449**
N/A

, CA

DOD:

Site Name:	HARBOR DRIVE
DOD Component:	Navy Active
Joint Base:	N/A
Operating Status:	ACT (Active): Site has an on-going operational/support mission (s).

DOD **Region** **NE** **1/8-1/4** **891 ft.**

FORMER NTC — **DOD** — **CUSA401447** **N/A**

, CA

DOD:

Site Name:	FORMER NTC
DOD Component:	MC Active
Joint Base:	N/A
Operating Status:	ACT (Active): Site has an on-going operational/support mission (s).

A3 **< 1/8** **1 ft.**

SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CEN — **UST** — **U004268278** **N/A**
NO. HARBOR DRIVE
SAN DIEGO, CA 92147

Site 3 of 7 in cluster A

Relative: **Higher**
Actual: **10 ft.**

MILITARY UST SITES:

Name:	SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CENTER PACIFIC (FASWTC PAC) - BLDG 50 (UST 7)
Address:	NO. HARBOR DRIVE
City,State,Zip:	SAN DIEGO, CA 92147-5199
Global ID:	T0607301819
Case Type:	Military UST Site
Status:	Completed - Case Closed
Status Date:	01/09/1998
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT3056
Loc Case Number:	H80003-001
File Location:	Local Agency
Potential Contaminants of Concern:	Diesel
Potential Media Affected:	Soil
Site History:	1,400 GALLON FUEL OIL TANK
Begin Date:	1995-03-17 00:00:00
How Discovered:	Not reported
How Discovered Description:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
Latitude:	32.7237539430427
Longitude:	-117.221546173096
Geotracker:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607301819

B4 **ESE** **< 1/8** **0.008 mi.** **42 ft.**

NBPL - HDA - EOD TEU1 — **AST** — **A100422708** **N/A**
BLDG 54
SAN DIEGO, CA 92147

Site 1 of 2 in cluster B

Relative: **Higher**
Actual: **12 ft.**

AST:

Name:	NBPL - HDA - EOD TEU1
Address:	BLDG 54
City/Zip:	SAN DIEGO,92147
Certified Unified Program Agencies:	Not reported
Owner:	Commander Navy Region Southwest

NBPL - HDA - EOD TEU1 (Continued) **A100422708**

Total Gallons:	Not reported
CERSID:	10393936
Facility ID:	37-000-180003
Business Name:	Naval Base Point Loma (NBPL)
Phone:	(619) 524-0519
Fax:	Not reported
Mailing Address:	937 North Harbor Dr., Box 81 (Environmental)
Mailing Address City:	San Diego
Mailing Address State:	CA
Mailing Address Zip Code:	Not reported
Operator Name:	NBPL - HDA - EOD TEU1
Operator Phone:	(619) 524-0519
Owner Phone:	(619) 532-1430
Owner Mail Address:	937 North Harbor Dr., Bldg. 1
Owner State:	CA
Owner Zip Code:	Not reported
Owner Country:	United States
Property Owner Name:	US Navy
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	United States
EPAID:	CAR000003012

B5
ESE
< 1/8
0.008 mi.
42 ft.

NBPL - HDA - EOD TEU1
BLDG 54
SAN DIEGO, CA 92147

CERS HAZ WASTE
CERS TANKS
CERS

S123530800
N/A

Site 2 of 2 in cluster B

Relative: Higher
Actual: 12 ft.

CERS HAZ WASTE:

Name:	NBPL - HDA - EOD TEU1
Address:	BLDG 54
City,State,Zip:	SAN DIEGO, CA 92147
Site ID:	51349
CERS ID:	10393936
CERS Description:	Hazardous Waste Generator

CERS TANKS:

Name:	NBPL - HDA - EOD TEU1
Address:	BLDG 54
City,State,Zip:	SAN DIEGO, CA 92147
Site ID:	51349
CERS ID:	10393936
CERS Description:	Aboveground Petroleum Storage

CERS:

Name:	NBPL - HDA - EOD TEU1
Address:	BLDG 54
City,State,Zip:	SAN DIEGO, CA 92147
Site ID:	51349
CERS ID:	10393936
CERS Description:	Chemical Storage Facilities

Evaluation:

NBPL - HDA - EOD TEU1 (Continued) **S123530800**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-11-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Quintong Sean Inspection ID:6370688
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-08-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kasprovich Christina Inspection ID:4087002
Eval Division:	San Diego County Department of Env Health
Eval Program:	HWLQG
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-29-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Manese Michael Inspection ID:5843492
Eval Division:	San Diego County Department of Env Health
Eval Program:	HWLQG
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-05-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Manese Michael Inspection ID:4927713
Eval Division:	San Diego County Department of Env Health
Eval Program:	HWLQG
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-08-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kasprovich Christina Inspection ID:4087002
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-29-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Manese Michael Inspection ID:5843492
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-05-2016
Violations Found:	No

NBPL - HDA - EOD TEU1 (Continued) **S123530800**

Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Manese Michael Inspection ID:4927713
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-11-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Quintong Sean Inspection ID:6370688
Eval Division:	San Diego County Department of Env Health
Eval Program:	HWLQG
Eval Source:	CERS,

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	Dan Perrin
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Installation Environmental Program Director
Entity Title:	Not reported
Affiliation Address:	140 Sylvester Rd. (Bldg 140, Room 236)
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92106
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Commander Navy Region Southwest
Entity Title:	Not reported
Affiliation Address:	750 Pacific Highway
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92132
Affiliation Phone:	(619) 705-5219,
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Parent Corporation

NBPL - HDA - EOD TEU1 (Continued) **S123530800**

Entity Name:	Naval Base Point Loma (NBPL)
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	750 Pacific Highway, GAF Floor 11, OF-1122
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92132
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Christina Graulau
Entity Title:	CNRSW Hazardous Waste Program Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	NBPL - HDA - EOD TEU1
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(619) 524-0519,

A6 **SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CEN** **UST** **U004266917**
NE **33000 NIXIE WAY BLDG 50 STE 326** **N/A**
< 1/8 **SAN DIEGO, CA 92147**
0.014 mi.
76 ft. **Site 4 of 7 in cluster A**

Relative:
Higher

Actual:
12 ft.

MILITARY UST SITES:

Name:	SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CENTER PACIFIC (FASWTC PAC) - BLDG 11
Address:	33000 NIXIE WAY BLDG 50 STE 326
City,State,Zip:	SAN DIEGO, CA 92147-5110
Global ID:	DOD100159400
Case Type:	Military UST Site
Status:	Completed - Case Closed
Status Date:	05/02/2001
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Case Worker:	Not reported
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL

SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CENTER PACIFI (Continued) **U004266917**

RB Case Number:	16535-BLDG 11
Loc Case Number:	H02451-002
File Location:	Regional Board
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	During the closure by removal of a UST at Building 11, contaminated soil was discovered that was associated with the UST. A remedial action ensued. Following remediation, it was determined that the remaining contamination does not pose a threat to human health, human safety, or the environment.
Begin Date:	2000-12-01 00:00:00
How Discovered:	Not reported
How Discovered Description:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
Latitude:	32.724351
Longitude:	-117.22181
Geotracker:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=DOD100159400

A7
NE
< 1/8
0.014 mi.
76 ft.

SAN DIEGO NAVAL SUBBASE (NAVSUBASE) - SWMU 2 - BUI — **CERS TANKS** — **S111345848**
33000 NIXIE WAY BLDG 50 STE 326 — **N/A**
SAN DIEGO, CA 92106

Site 5 of 7 in cluster A

Relative:
Higher
Actual:
12 ft.

CERS TANKS:

Name:	SAN DIEGO NAVAL SUBBASE (NAVSUBASE) - SWMU 2 - BUILDING 547 BOILER PLANT
Address:	33000 NIXIE WAY BLDG 50 STE 326
City,State,Zip:	SAN DIEGO, CA 92106-3251
Site ID:	228162
CERS ID:	DOD100156500
CERS Description:	Military Underground Storage Tank Site

A8
NE
< 1/8
0.014 mi.
76 ft.

SAN DIEGO NAVAL SUBBASE (NAVSUBASE) - SWMU 2 - BUI — **UST** — **U004312248**
33000 NIXIE WAY BLDG 50 STE 326 — **N/A**
SAN DIEGO, CA 92106

Site 6 of 7 in cluster A

Relative:
Higher
Actual:
12 ft.

MILITARY UST SITES:

Name:	SAN DIEGO NAVAL SUBBASE (NAVSUBASE) - SWMU 2 - BUILDING 547 BOILER PLANT
Address:	33000 NIXIE WAY BLDG 50 STE 326
City,State,Zip:	SAN DIEGO, CA 92106-3251
Global ID:	DOD100156500
Case Type:	Military UST Site
Status:	Completed - Case Closed
Status Date:	09/16/2008
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Case Worker:	Not reported
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	16538-SWMU 2
Loc Case Number:	400511 -- 7
File Location:	Regional Board

SAN DIEGO NAVAL SUBBASE (NAVSUBASE) - SWMU 2 - BUILDING 547 (Continued) **U004312248**

Potential Contaminants of Concern:	Aviation, Diesel, Gasoline, Waste Oil / Motor / Hydraulic / Lubricating
Potential Media Affected:	Not reported
Site History:	Building 547 is still a boiler plant. The RCRA Facility Assessment cited spillage around a UST due to poor handling practices and a leaking used oil drum. 20,000 gallon diesel tank.
Begin Date:	2008-09-16 00:00:00
How Discovered:	Not reported
How Discovered Description:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
Latitude:	32.6886222402275
Longitude:	-117.241528630257
Geotracker:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=DOD100156500

A9
NE
< 1/8
0.014 mi.
76 ft.

SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CEN — **CERS TANKS** **S123504813**
33000 NIXIE WAY BLDG 50 STE 326 — **CERS** **N/A**
SAN DIEGO, CA 92147

Site 7 of 7 in cluster A

Relative:
Higher

Actual:
12 ft.

CERS TANKS:

Name:	SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CENTER PACIFIC (FASWTC PAC) - BL
Address:	33000 NIXIE WAY BLDG 50 STE 326
City,State,Zip:	SAN DIEGO, CA 92147-5110
Site ID:	207287
CERS ID:	DOD100159400
CERS Description:	Military Underground Storage Tank Site

CERS:

Name:	SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CENTER PACIFIC (FASWTC PAC) - BL
Address:	33000 NIXIE WAY BLDG 50 STE 326
City,State,Zip:	SAN DIEGO, CA 92147-5110
Site ID:	207287
CERS ID:	DOD100157900
CERS Description:	Military Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	BRIAN K. McDANIEL - SAN DIEGO RWQCB (REGION 9)
Entity Title:	Not reported
Affiliation Address:	2375 NORTHSIDE DRIVE, SUITE 100
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6195215897,

Name:	SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CENTER PACIFIC (FASWTC PAC) - BL
Address:	33000 NIXIE WAY BLDG 50 STE 326
City,State,Zip:	SAN DIEGO, CA 92147-5110
Site ID:	207287
CERS ID:	DOD100156200

SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CENTER PACIFI (Continued) **S123504813**

CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: BRIAN K. McDANIEL - SAN DIEGO RWQCB (REGION 9)
Entity Title: Not reported
Affiliation Address: 2375 NORTHSIDE DRIVE, SUITE 100
Affiliation City: SAN DIEGO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6195215897,

Name: SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CENTER PACIFIC (FASWTC PAC) - BL
Address: 33000 NIXIE WAY BLDG 50 STE 326
City,State,Zip: SAN DIEGO, CA 92147-5110
Site ID: 207287
CERS ID: DOD100157800
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: BRIAN K. McDANIEL - SAN DIEGO RWQCB (REGION 9)
Entity Title: Not reported
Affiliation Address: 2375 NORTHSIDE DRIVE, SUITE 100
Affiliation City: SAN DIEGO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6195215897,

Name: SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CENTER PACIFIC (FASWTC PAC) - BL
Address: 33000 NIXIE WAY BLDG 50 STE 326
City,State,Zip: SAN DIEGO, CA 92147-5110
Site ID: 207287
CERS ID: DOD100156300
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: BRIAN K. McDANIEL - SAN DIEGO RWQCB (REGION 9)
Entity Title: Not reported
Affiliation Address: 2375 NORTHSIDE DRIVE, SUITE 100
Affiliation City: SAN DIEGO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6195215897,

Name: SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CENTER PACIFIC (FASWTC PAC) - BL
Address: 33000 NIXIE WAY BLDG 50 STE 326
City,State,Zip: SAN DIEGO, CA 92147-5110
Site ID: 207287

SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CENTER PACIFI (Continued) **S123504813**

CERS ID:	DOD100156400
CERS Description:	Military Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	BRIAN K. McDANIEL - SAN DIEGO RWQCB (REGION 9)
Entity Title:	Not reported
Affiliation Address:	2375 NORTHSIDE DRIVE, SUITE 100
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6195215897,

10
NNW
< 1/8
0.023 mi.
123 ft.

BUMED NBPL ASW BRANCH DENTAL
BLDG 10 ECHO LANE
SAN DIEGO, CA 92147

CERS HAZ WASTE **S123530684**
CERS **N/A**

Relative:
Higher

Actual:
12 ft.

CERS HAZ WASTE:

Name:	BUMED NBPL ASW BRANCH DENTAL
Address:	BLDG 10 ECHO LANE
City,State,Zip:	SAN DIEGO, CA 92147
Site ID:	51256
CERS ID:	10393930
CERS Description:	Hazardous Waste Generator

CERS:

Name:	BUMED NBPL ASW BRANCH DENTAL
Address:	BLDG 10 ECHO LANE
City,State,Zip:	SAN DIEGO, CA 92147
Site ID:	51256
CERS ID:	10393930
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	51256
Site Name:	BUMED NBPL ASW BRANCH DENTAL
Violation Date:	09-04-2018
Citation:	22 CCR 15 66265.174 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.174
Violation Description:	Failure to inspect weekly areas where hazardous waste containers are stored. The owner or operator must look for leaking containers and for deterioration of containers caused by corrosion or other factors.
Violation Notes:	Returned to compliance on 09/24/2018. Inspection Sequence ID:5947671
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-14-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Ceniceros Danielle Inspection ID:6797544
Eval Division:	San Diego County Department of Env Health

BUMED NBPL ASW BRANCH DENTAL (Continued) **S123530684**

Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-14-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Manese Michael Inspection ID:5499062
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-27-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kasprovich Christina Inspection ID:4095167
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-27-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kasprovich Christina Inspection ID:4095167
Eval Division: San Diego County Department of Env Health
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-04-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Villena Elaine Inspection ID:5947671
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Mary Esparza
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Environmental Protection Specialist
Entity Title: Not reported
Affiliation Address: 34580 POWERHOUSE RD, SUITE 200
Affiliation City: SAN DIEGO
Affiliation State: CA
Affiliation Country: Not reported

BUMED NBPL ASW BRANCH DENTAL (Continued) **S123530684**

Affiliation Zip:	92134
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	NAVAL MEDICAL CENTER SAN DIEGO
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(619) 524-4487,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	34580 POWERHOUSE RD, SUITE 200
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92134-8200
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Mary Esparza
Entity Title:	Environmental Protection Specialist
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Navy BUMED
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Legal Owner
Entity Name:	U.S. Navy
Entity Title:	Not reported
Affiliation Address:	34800 Bob Wilson Drive

BUMED NBPL ASW BRANCH DENTAL (Continued) **S123530684**

Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92134
Affiliation Phone:	(619) 532-6400,

11
WNW
< 1/8
0.052 mi.
272 ft.

COMMERCIAL BASIN (AMERICA'S CUP HARBOR) - BAY CITY
COMMERCIAL BASIN
SAN DIEGO, CA 92106

CPS-SLIC **S113888532**
N/A

Relative:
Lower

Actual:
6 ft.

CPS-SLIC:

Name:	COMMERCIAL BASIN (AMERICA'S CUP HARBOR) - BAY CITY MARINE BOATYARD
Address:	COMMERCIAL BASIN
City,State,Zip:	SAN DIEGO, CA 92106
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	12/01/1997
Global Id:	T10000005129
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number:	Not reported
Latitude:	32.7246083500725
Longitude:	-117.224117206323
Case Type:	Cleanup Program Site
Case Worker:	DTB
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Regional Board
Potential Media Affected:	Sediments, Surface water
Potential Contaminants of Concern:	Copper, Mercury (elemental), Other Metal
Site History:	The RWQCB handled the case under Cleanup and Abatement Order 88-79. The cleanup was related to elevated copper concentrations. The case was closed in 1997.

Click here to access the California GeoTracker records for this facility:

C12
ESE
< 1/8
0.055 mi.
291 ft.

NBPL - HDA - (MISC SOURCES)
BLDG 11
SAN DIEGO, CA 92147

AST **A100422707**
N/A

Site 1 of 7 in cluster C

Relative:
Higher

Actual:
12 ft.

AST:

Name:	NBPL - HDA - (MISC SOURCES)
Address:	BLDG 11
City/Zip:	SAN DIEGO,92147
Certified Unified Program Agencies:	Not reported
Owner:	Commander Navy Region Southwest
Total Gallons:	Not reported
CERSID:	10422061
Facility ID:	37-000-001227
Business Name:	Naval Base Point Loma (NBPL)
Phone:	(619) 553-0526
Fax:	Not reported

NBPL - HDA - (MISC SOURCES) (Continued) **A100422707**

Mailing Address:	937 North Harbor Dr., Box 81 (Environmental)
Mailing Address City:	San Diego
Mailing Address State:	CA
Mailing Address Zip Code:	Not reported
Operator Name:	NBPL - HDA (Misc Sources)
Operator Phone:	(619) 553-0526
Owner Phone:	(619) 532-1430
Owner Mail Address:	937 North Harbor Dr., Bldg. 1
Owner State:	CA
Owner Zip Code:	Not reported
Owner Country:	United States
Property Owner Name:	US Navy
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	United States
EPAID:	CAR000003012

C13 **SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CEN** **UST** **U004269711**
East **BLDG 5** **N/A**
< 1/8 **SAN DIEGO, CA 92147**
0.058 mi.
306 ft. **Site 2 of 7 in cluster C**

Relative:
Higher

Actual:
12 ft.

MILITARY UST SITES:

Name:	SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CENTER PACIFIC (FASWTC PAC) - BLDG 5
Address:	BLDG 5
City,State,Zip:	SAN DIEGO, CA 92147
Global ID:	T10000005014
Case Type:	Military UST Site
Status:	Completed - Case Closed
Status Date:	05/02/2001
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
Loc Case Number:	H02451-001
File Location:	Local Agency
Potential Contaminants of Concern:	Heating Oil / Fuel Oil
Potential Media Affected:	Soil
Site History:	Not reported
Begin Date:	1986-02-01 00:00:00
How Discovered:	Not reported
How Discovered Description:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
Latitude:	32.7236039487099
Longitude:	-117.219472316821
Geotracker:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000005014

C14 **SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CEN** **CERS TANKS** **S123539424**
East **BLDG 5** **N/A**
< 1/8 **SAN DIEGO, CA 92147**
0.058 mi.
306 ft. **Site 3 of 7 in cluster C**

Relative: Higher
Actual: 12 ft.

CERS TANKS:

Name:	SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CENTER PACIFIC (FASWTC PAC) - BL
Address:	BLDG 5
City,State,Zip:	SAN DIEGO, CA 92147
Site ID:	235144
CERS ID:	T10000005014
CERS Description:	Military Underground Storage Tank Site

C15 **SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CEN** **UST** **U004268257**
East **BLDG 7 FLEASWTRACENPAC -BLDG 7** **N/A**
< 1/8 **SAN DIEGO, CA 92147**
0.078 mi.
411 ft. **Site 4 of 7 in cluster C**

Relative: Higher
Actual: 12 ft.

MILITARY UST SITES:

Name:	SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CENTER PACIFIC (FASWTC PAC) - BLDG 7
Address:	BLDG 7 FLEASWTRACENPAC -BLDG 7
City,State,Zip:	SAN DIEGO, CA 92147
Global ID:	T0607301782
Case Type:	Military UST Site
Status:	Completed - Case Closed
Status Date:	01/08/2004
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Case Worker:	BKM
Local Agency:	Not reported
RB Case Number:	9UT3014
Loc Case Number:	H02451-003
File Location:	Regional Board
Potential Contaminants of Concern:	Heating Oil / Fuel Oil
Potential Media Affected:	Other Groundwater (uses other than drinking water)
Site History:	During the closure by removal of a UST at Building 7, contaminated soil was discovered that was associated with the UST. A remedial action ensued. Following remediation, it was determined that the remaining contamination does not pose a threat to human health, human safety, or the environment. 1,400 gallon fuel oil tank.
Begin Date:	1991-01-25 00:00:00
How Discovered:	Not reported
How Discovered Description:	During removal of a 1,400 gallon UST
Stop Method:	Not reported
Stop Description:	Tank removal and soil excavation
Latitude:	32.7238261512331
Longitude:	-117.219228744507
Geotracker:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607301782

C16 **SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CEN** **CERS TANKS** **S123538700**
East **BLDG 7 FLEASWTRACENPAC -BLDG 7** **N/A**
< 1/8 **SAN DIEGO, CA 92147**
0.078 mi.
412 ft. **Site 5 of 7 in cluster C**

Relative:
Higher

Actual:
12 ft.

CERS TANKS:

Name:	SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CENTER PACIFIC (FASWTC PAC) - BL
Address:	BLDG 7 FLEASWTRACENPAC -BLDG 7
City,State,Zip:	SAN DIEGO, CA 92147
Site ID:	190176
CERS ID:	T0607301782
CERS Description:	Military Underground Storage Tank Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	BRIAN K. McDANIEL - SAN DIEGO RWQCB (REGION 9)
Entity Title:	Not reported
Affiliation Address:	2375 NORTHSIDE DRIVE, SUITE 100
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6195215897,

D17 **NAUT-A-CARE** **EDR Hist Auto** **1020366979**
NW **4904 N HARBOR DR STE 105** **N/A**
< 1/8 **SAN DIEGO, CA 92106**
0.080 mi.
422 ft. **Site 1 of 3 in cluster D**

Relative:
Higher

Actual:
11 ft.

EDR Hist Auto

Year:	Name:	Type:
1999	NAUT-A-CARE	Gasoline Service Stations, NEC

E18 **CHEVRON STATION NO 92194** **RCRA NonGen / NLR** **1006805271**
North **4823 N HARBOR DR** **HAZNET** **CAR000125344**
< 1/8 **SAN DIEGO, CA 92106** **HWTS**
0.083 mi.
440 ft. **Site 1 of 6 in cluster E**

Relative:
Higher

Actual:
12 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	20130313
Handler Name:	CHEVRON STATION NO 92194
Handler Address:	4823 N HARBOR DR
Handler City,State,Zip:	SAN DIEGO, CA 92106
EPA ID:	CAR000125344
Contact Name:	KATHY NORRIS SLUSHER
Contact Address:	PO BOX 6004
Contact City,State,Zip:	SAN RAMON, CA 94583
Contact Telephone:	877-386-6044
Contact Fax:	866-849-4435
Contact Email:	NAWTDESK@CHEVRON.COM
Contact Title:	WASTE TECH
EPA Region:	09
Land Type:	Private

CHEVRON STATION NO 92194 (Continued) **1006805271**

Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 6004
Mailing City,State,Zip:	SAN RAMON, CA 94583
Owner Name:	CHEVRON USA
Owner Type:	Private
Operator Name:	KATHY NORRIS SLUSHER
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No

CHEVRON STATION NO 92194 (Continued) **1006805271**

Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20130403
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D018
Waste Description:	BENZENE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CHEVRON USA
Legal Status:	Private
Date Became Current:	20060506
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 6004
Owner/Operator City,State,Zip:	SAN RAMON, CA 94583
Owner/Operator Telephone:	877-386-6044
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	KATHY NORRIS SLUSHER
Legal Status:	Private
Date Became Current:	20060506
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	CHEVRON PRODUCTS CO
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P O BOX 6004
Owner/Operator City,State,Zip:	SAN RAMON, CA 94583
Owner/Operator Telephone:	925-842-5931
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CHEVRON STATION NO 92194 (Continued) **1006805271**

Historic Generators:

Receive Date:	20020617
Handler Name:	CHEVRON STATION NO 92194
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20130313
Handler Name:	CHEVRON STATION NO 92194
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56291
NAICS Description:	REMEDIATION SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

HAZNET:

Name:	CHEVRON STATION NO 92194
Address:	4823 N HARBOR DR
Address 2:	Not reported
City,State,Zip:	SAN DIEGO, CA 921062304
Contact:	KATHY NORRIS-SLUSHER
Telephone:	8773866044
Mailing Name:	Not reported
Mailing Address:	PO BOX 6004

Year:	2006
Gepaid:	CAR000125344
TSD EPA ID:	CAD008302903
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	R01 - Recycler
Tons:	4.1034

CHEVRON STATION NO 92194 (Continued) **1006805271**

Year: 2005
Gepaid: CAR000125344
TSD EPA ID: CAD008302903
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: R01 - Recycler
Tons: 0.042

Year: 2004
Gepaid: CAR000125344
TSD EPA ID: CAD008302903
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: R01 - Recycler
Tons: 2.4024

Additional Info:
Year: 2006
Gen EPA ID: CAR000125344

Shipment Date: 20060818
Creation Date: 10/5/2006 18:30:24
Receipt Date: 20060821
Manifest ID: 24909902
Trans EPA ID: CAT080016116
Trans Name: NIETO AND SONS TRUCKING INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008302903
Trans Name: VEOLIA ENVIRONMENTAL SERVICES
TSDF Alt EPA ID: CAD008302903
TSDF Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D001
Meth Code: R01 - Recycler
Quantity Tons: 3.36
Waste Quantity: 800
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20060519
Creation Date: 3/14/2007 18:30:41
Receipt Date: 20060523
Manifest ID: 24845598
Trans EPA ID: CAR000152785
Trans Name: CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008302903
Trans Name: ONYX ENVIRONMENTAL SERVICES
TSDF Alt EPA ID: CAD008302903
TSDF Alt Name: Not reported

CHEVRON STATION NO 92194 (Continued) **1006805271**

Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.0504
Waste Quantity:	12
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060127
Creation Date:	5/5/2006 18:30:35
Receipt Date:	20060203
Manifest ID:	24845253
Trans EPA ID:	CAR000152785
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.693
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAR000125344

Shipment Date:	20050329
Creation Date:	6/2/2005 18:31:52
Receipt Date:	20050407
Manifest ID:	24330430
Trans EPA ID:	CAR000152785
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.042
Waste Quantity:	10

CHEVRON STATION NO 92194 (Continued) **1006805271**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAR000125344

Shipment Date:	20041227
Creation Date:	3/13/2007 18:30:28
Receipt Date:	20041230
Manifest ID:	23835294
Trans EPA ID:	CAR000152785
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1974
Waste Quantity:	47
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040909
Creation Date:	12/28/2004 14:46:39
Receipt Date:	20040910
Manifest ID:	23834908
Trans EPA ID:	CAR000152785
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.21
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

CHEVRON STATION NO 92194 (Continued) **1006805271**

Additional Code 5:	Not reported
Shipment Date:	20040622
Creation Date:	10/15/2004 15:16:06
Receipt Date:	20040622
Manifest ID:	22507491
Trans EPA ID:	CAR000152785
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	ONYX ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	CAD008302903
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	1.995
Waste Quantity:	475
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	CHEVRON STATION NO 92194
Address:	4823 N HARBOR DR
Address 2:	Not reported
City,State,Zip:	SAN DIEGO, CA 92106
EPA ID:	CAR000125344
Inactive Date:	06/30/2013
Create Date:	03/04/2003
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	PO BOX 6004
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN RAMON, CA 945830000
Owner Name:	CHEVRON
Owner Address:	PO BOX 6004
Owner Address 2:	Not reported
Owner City,State,Zip:	SAN RAMON, CA 945830000
Contact Name:	KATHY NORRIS-SLUSHER
Contact Address:	6101 BOLLINGER CANYON RD.
Contact Address 2:	Not reported
City,State,Zip:	SAN RAMON, CA 94583
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	32.72611
Longitude:	-117.22235

NAICS:

EPA ID:	CAR000125344
Create Date:	2003-10-23 13:13:52.000
NAICS Code:	44711

CHEVRON STATION NO 92194 (Continued) **1006805271**

NAICS Description: Gasoline Stations with Convenience Stores
Issued EPA ID Date: 2003-03-04 14:25:35.18700
Inactive Date: 2013-06-30 00:00:00
Facility Name: Chevron Station No 92194
Facility Address: 4823 N HARBOR DR
Facility Address 2: Not reported
Facility City: SAN DIEGO
Facility County: Not reported
Facility State: CA
Facility Zip: 921062304

EPA ID: CAR000125344
Create Date: 2011-08-17 14:36:26.000
NAICS Code: 447110
NAICS Description: Gasoline Stations with Convenience Stores
Issued EPA ID Date: 2003-03-04 14:25:35.18700
Inactive Date: 2013-06-30 00:00:00
Facility Name: Chevron Station No 92194
Facility Address: 4823 N HARBOR DR
Facility Address 2: Not reported
Facility City: SAN DIEGO
Facility County: Not reported
Facility State: CA
Facility Zip: 921062304

E19 **CHEVRON PRODUCTS CO #92194** **SAN DIEGO CO. SAM** **S108406988**
North **4823 N HARBOR DR** **Cortese** **N/A**
< 1/8 **SAN DIEGO, CA 92106**
0.083 mi.
440 ft. **Site 2 of 6 in cluster E**

Relative:
Higher

Actual:
12 ft.

SAN DIEGO CO. SAM:
Name: CHEVRON PRODUCTS CO #92194
Address: 4823 N HARBOR DR
City,State,Zip: SAN DIEGO, CA 921062304
Case Number: H05684-001
Agency: DEH Site Assessment & Mitigation
Funding: **Non Billable**
Facility Type: Failed Integrity Test
Facility Status: Closed Case
Date: 5/4/1993
Date Began: 3/5/1993

Name: CHEVRON PRODUCTS CO #92194
Address: 4823 N HARBOR DR
City,State,Zip: SAN DIEGO, CA 921062304
Case Number: H05684-002
Agency: DEH Site Assessment & Mitigation
Funding: **Non Billable**
Facility Type: Failed Integrity Test
Facility Status: Closed Case
Date: 10/20/1993
Date Began: 7/15/1993

Name: CHEVRON PRODUCTS CO #92194
Address: 4823 N HARBOR DR
City,State,Zip: SAN DIEGO, CA 921062304

CHEVRON PRODUCTS CO #92194 (Continued) **S108406988**

Case Number:	H05684-003
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	GW With No Beneficial Use Designation
Facility Status:	Closed Case
Date:	2/22/2002
Date Began:	11/5/1999

Name:	CHEVRON PRODUCTS CO #92194
Address:	4823 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 921062304
Case Number:	H05684-004
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	GW With No Beneficial Use Designation
Facility Status:	Closed Case
Date:	7/14/2006
Date Began:	8/5/2004

Name:	CHEVRON PRODUCTS CO #92194
Address:	4823 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 92106-2304
Case Number:	H05684-005
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	3/19/2008
Date Began:	2/21/2007

CORTESE:

Name:	CHEVRON PRODUCTS CO #92194
Address:	4823 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 921062304
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T06019742346
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

E20 **North** **< 1/8** **0.083 mi.** **440 ft.**	**CHEVRON PRODUCTS CO #92194** **4823 N HARBOR DR** **SAN DIEGO, CA 92106** **Site 3 of 6 in cluster E**	**LUST** **CPS-SLIC** **SAN DIEGO CO LOP** **CERS**	**S103661611** **N/A**

Relative: **Higher**

Actual: **12 ft.**

LUST:

Name:	CHEVRON PRODUCTS CO #92194
Address:	4823 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 921062304
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T06019742346
Global Id:	T06019742346
Latitude:	32.726113
Longitude:	-117.222349
Status:	Completed - Case Closed
Status Date:	07/14/2006
Case Worker:	Not reported
RB Case Number:	Not reported
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	H05684-004
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T06019742346
Action Type:	ENFORCEMENT
Date:	07/14/2006
Action:	Closure/No Further Action Letter
Global Id:	T06019742346
Action Type:	Other
Date:	08/05/2004
Action:	Leak Discovery
Global Id:	T06019742346
Action Type:	ENFORCEMENT
Date:	06/29/2006
Action:	Notice of Responsibility
Global Id:	T06019742346
Action Type:	Other
Date:	08/05/2004
Action:	Leak Began
Global Id:	T06019742346
Action Type:	Other
Date:	10/14/2004
Action:	Leak Reported
Global Id:	T06019742346
Action Type:	Other
Date:	08/05/2004
Action:	Leak Stopped

LUST:

CHEVRON PRODUCTS CO #92194 (Continued) **S103661611**

Global Id:	T06019742346
Status:	Open - Case Begin Date
Status Date:	08/05/2004

Global Id:	T06019742346
Status:	Completed - Case Closed
Status Date:	07/14/2006

CPS-SLIC:

Name:	CHEVRON PRODUCTS CO #92194
Address:	4823 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 92106-230
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	03/19/2008
Global Id:	SLT19759327
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H05684-005
Latitude:	32.726113
Longitude:	-117.222349
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Name:	CHEVRON PRODUCTS CO #92194
Address:	4823 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 921062304
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	10/20/1993
Global Id:	T0608168769
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H05684-002
Latitude:	32.726113
Longitude:	-117.222349
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Name:	CHEVRON PRODUCTS CO #92194
Address:	4823 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 921062304

CHEVRON PRODUCTS CO #92194 (Continued) **S103661611**

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	05/04/1993
Global Id:	T0608136337
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H05684-001
Latitude:	32.726113
Longitude:	-117.222349
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Name:	CHEVRON PRODUCTS CO #92194
Address:	4823 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 921062304
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	02/22/2002
Global Id:	T0608110892
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H05684-003
Latitude:	32.726113
Longitude:	-117.222349
Case Type:	Cleanup Program Site
Case Worker:	LA
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO LOP:

Name:	CHEVRON PRODUCTS CO #92194
Address:	4823 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 92106-2304
Record ID:	DEH2004-LSAM-H05684-004
Record Status:	Completed
Opened Date:	10/14/2004
Parcel Number:	760-004-23-00
Case Type:	LOP - Local Oversight Program
Historical Name:	CHEVRON
SWRCB Global ID:	T06019742346
Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	11/08/2004
Census Tract:	70.01
Community:	San Diego

CHEVRON PRODUCTS CO #92194 (Continued) **S103661611**

Jurisdiction:	UNKNOWN
Watershed Basin Number:	908.1
Water Purveyor:	UNKNOWN
Fire Agency:	UNKNOWN
Latitude:	32.7260302
Longitude:	-117.2223715
X MapCoord:	6262623.476
Y MapCoord:	1845368.476

Name:	CHEVRON PRODUCTS CO #92194
Address:	4823 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 92106
Record ID:	DEH1993-LSAM-H05684-001
Record Status:	Completed
Opened Date:	03/18/1993
Parcel Number:	760-004-23-00
Case Type:	Not reported
Historical Name:	CHEVRON USA
SWRCB Global ID:	T0608136337
Funding:	N - Non-Billable
Lead Agency:	DEH/SAM
Lead Agency Date:	03/18/1993
Census Tract:	70.01
Community:	San Diego
Jurisdiction:	UNKNOWN
Watershed Basin Number:	908.1
Water Purveyor:	UNKNOWN
Fire Agency:	UNKNOWN
Latitude:	32.7260302
Longitude:	-117.2223715
X MapCoord:	6262623.476
Y MapCoord:	1845368.476

Name:	CHEVRON PRODUCTS CO #92194
Address:	4823 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 92106
Record ID:	DEH1993-LSAM-H05684-002
Record Status:	Completed
Opened Date:	08/05/1993
Parcel Number:	760-004-23-00
Case Type:	Not reported
Historical Name:	CHEVRON USA
SWRCB Global ID:	T0608168769
Funding:	N - Non-Billable
Lead Agency:	DEH/SAM
Lead Agency Date:	08/31/1993
Census Tract:	70.01
Community:	San Diego
Jurisdiction:	UNKNOWN
Watershed Basin Number:	908.1
Water Purveyor:	UNKNOWN
Fire Agency:	UNKNOWN
Latitude:	32.7260302
Longitude:	-117.2223715
X MapCoord:	6262623.476
Y MapCoord:	1845368.476

CHEVRON PRODUCTS CO #92194 (Continued) **S103661611**

CERS:
Name: CHEVRON PRODUCTS CO #92194
Address: 4823 N HARBOR DR
City,State,Zip: SAN DIEGO, CA 921062304
Site ID: 201390
CERS ID: T0608136337
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: LAURIE APECECHEA - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: CHEVRON PRODUCTS CO #92194
Address: 4823 N HARBOR DR
City,State,Zip: SAN DIEGO, CA 92106-230
Site ID: 205435
CERS ID: SLT19759327
CERS Description: Cleanup Program Site

Name: CHEVRON PRODUCTS CO #92194
Address: 4823 N HARBOR DR
City,State,Zip: SAN DIEGO, CA 921062304
Site ID: 201390
CERS ID: T06019742346
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: LAURIE APECECHEA - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: CHEVRON PRODUCTS CO #92194
Address: 4823 N HARBOR DR
City,State,Zip: SAN DIEGO, CA 921062304
Site ID: 201390
CERS ID: T0608110892
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: LAURIE APECECHEA - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261

CHEVRON PRODUCTS CO #92194 (Continued) **S103661611**

Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Name:	CHEVRON PRODUCTS CO #92194
Address:	4823 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 921062304
Site ID:	201390
CERS ID:	T0608168769
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	LAURIE APECECHEA - SAN DIEGO COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

E21 **92194** **SWEEPS UST** **U001572727**
North **4823 N HARBOR** **HIST UST** **N/A**
< 1/8 **SAN DIEGO, CA 92106**
0.083 mi.
440 ft. **Site 4 of 6 in cluster E**

Relative:
Higher

Actual:
12 ft.

SWEEPS UST:

Name:	BUTLER CHEVRON
Address:	4823 N HARBOR DR
City:	SAN DIEGO
Status:	Active
Comp Number:	5684
Number:	9
Board Of Equalization:	44-022269
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-005684-000001
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	4

Name:	BUTLER CHEVRON
Address:	4823 N HARBOR DR
City:	SAN DIEGO
Status:	Active
Comp Number:	5684

92194 (Continued) **U001572727**

Number: 9
Board Of Equalization: 44-022269
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005684-000002
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Name: BUTLER CHEVRON
Address: 4823 N HARBOR DR
City: SAN DIEGO
Status: Active
Comp Number: 5684
Number: 9
Board Of Equalization: 44-022269
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005684-000003
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: BUTLER CHEVRON
Address: 4823 N HARBOR DR
City: SAN DIEGO
Status: Active
Comp Number: 5684
Number: 9
Board Of Equalization: 44-022269
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005684-000004
Tank Status: A
Capacity: 1000
Active Date: Not reported
Tank Use: PETROLEUM
STG: W
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
Name: 92194

92194 (Continued) **U001572727**

Address:	4823 N HARBOR
City,State,Zip:	SAN DIEGO, CA 92106
File Number:	0002AE28
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002AE28.pdf
Region:	STATE
Facility ID:	00000062208
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	BUTLER,CHARLES A
Telephone:	6192251553
Owner Name:	CHEVRON U.S.A. INC.
Owner Address:	575 MARKET
Owner City,St,Zip:	SAN FRANCISCO, CA 94105
Total Tanks:	0004

Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000370
Leak Detection:	Stock Inventor

Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000370
Leak Detection:	Stock Inventor

Tank Num:	003
Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000370
Leak Detection:	Stock Inventor

Tank Num:	004
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	0000370
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

E22 North < 1/8 0.083 mi. 440 ft.	**BUTLER CHARLES CHEVRON 4823 N HARBOR DR SAN DIEGO, CA** **Site 5 of 6 in cluster E**	**EDR Hist Auto**	**1008998535 N/A**

Relative: Higher

Actual: 12 ft.

EDR Hist Auto

Year:	Name:	Type:
1970	STANDARD STATIONS INC	GASOLINE STATIONS
1975	STANDARD STATIONS INC	GASOLINE STATIONS
1980	BUTLER CHARLES CHEVRON	GASOLINE STATIONS
1984	BUTLER CHARLES CHEVRON	GASOLINE STATIONS
1986	CHARLES BUTLERS CHEVRON	Gasoline Service Stations
1987	CHARLES BUTLERS CHEVRON	Gasoline Service Stations
1989	BUTLER JOE CHEVRON	Gasoline Service Stations
1991	BUTLER JOE CHEVRON	Gasoline Service Stations
1992	BUTLER JOE CHEVRON	Gasoline Service Stations
1993	BUTLER JOE CHEVRON	Gasoline Service Stations
1994	BUTLER JOE CHEVRON	Gasoline Service Stations
1995	BUTLER JOE CHEVRON	Gasoline Service Stations
1996	BUTLER JOE CHEVRON	Gasoline Service Stations
1997	BUTLER JOE CHEVRON	Gasoline Service Stations
1998	BUTLER JOE CHEVRON	Gasoline Service Stations
1999	BUTLER JOE CHEVRON	Gasoline Service Stations
2000	BUTLER JOE CHEVRON	Gasoline Service Stations
2001	BUTLER JOE CHEVRON	Gasoline Service Stations
2002	BUTLER JOE CHEVRON	Gasoline Service Stations
2003	BUTLER JOE CHEVRON	Gasoline Service Stations
2004	BUTLER JOE CHEVRON	Gasoline Service Stations

E23 North < 1/8 0.083 mi. 440 ft.	**CHEVRON NO 92194 4823 N HARBOR SAN DIEGO, CA 92106** **Site 6 of 6 in cluster E**	**RCRA-SQG**	**1007200517 CAP000067496**

Relative: Higher

Actual: 12 ft.

RCRA-SQG:

Date Form Received by Agency:	20000309
Handler Name:	CHEVRON NO 92194
Handler Address:	4823 N HARBOR
Handler City,State,Zip:	SAN DIEGO, CA 92106
EPA ID:	CAP000067496
Contact Name:	KATHY NORRIS
Contact Address:	P O BOX 6004
Contact City,State,Zip:	SAN RAMON, CA 94583
Contact Telephone:	925-842-5931
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	P O BOX 6004

CHEVRON NO 92194 (Continued) **1007200517**

Mailing City,State,Zip:	SAN RAMON, CA 94583
Owner Name:	CHEVRON PRODUCTS CO
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20060905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No

CHEVRON NO 92194 (Continued) **1007200517**

Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Hazardous Waste Summary:

Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D008
Waste Description: LEAD

Waste Code: D018
Waste Description: BENZENE

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: CHEVRON PRODUCTS CO
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: P O BOX 6004
Owner/Operator City,State,Zip: SAN RAMON, CA 94583
Owner/Operator Telephone: 925-842-9500
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CHEVRON PRODUCTS CO
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: P O BOX 6004
Owner/Operator City,State,Zip: SAN RAMON, CA 94583
Owner/Operator Telephone: 925-842-9500
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20000309
Handler Name: CHEVRON NO 92194
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20000309
Handler Name: CHEVRON NO 92194

CHEVRON NO 92194 (Continued) **1007200517**

Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20001012
Handler Name: CHEVRON 92194	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	4471
NAICS Description:	GASOLINE STATIONS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

C24
ESE
< 1/8
0.089 mi.
470 ft.

SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CEN **UST** **U004268463**
NO. HARBOR DRIVE **N/A**
SAN DIEGO, CA 92147

Site 6 of 7 in cluster C

Relative:
Higher

Actual:
12 ft.

MILITARY UST SITES:

Name:	SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CENTER PACIFIC (FASWTC PAC) - BLDG 28
Address:	NO. HARBOR DRIVE
City,State,Zip:	SAN DIEGO, CA 921475199
Global ID:	T0607302412
Case Type:	Military UST Site
Status:	Completed - Case Closed
Status Date:	03/05/2002
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT3648
Loc Case Number:	H80003-007
File Location:	Local Agency

SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CENTER PACIFI (Continued) **U004268463**

Potential Contaminants of Concern:	Diesel
Potential Media Affected:	Other Groundwater (uses other than drinking water)
Site History:	Not reported
Begin Date:	1998-02-17 00:00:00
How Discovered:	Not reported
How Discovered Description:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
Latitude:	32.722607630188
Longitude:	-117.219035625458
Geotracker:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607302412

D25
NW
< 1/8
0.091 mi.
483 ft.

SDCTY-MARINE BIOLOGY LAB
4918 N HARBOR DR
SAN DIEGO, CA 92106

San Diego Co. HMMD **S106064138**
CERS HAZ WASTE **N/A**
CERS

Site 2 of 3 in cluster D

Relative:
Higher

Actual:
9 ft.

HMMD SAN DIEGO:

Name:	SDCTY-MARINE BIOLOGY LAB
Address:	4918 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	134185
Business Type:	6HK67
EPA Id Number:	CAL000098749
APN:	DEH-134185
Last HMMD Inspection:	06/10/2004
Facility Telephone:	619-758-2331
Permit Status:	INAC
Permit Expiration:	11/30/2004
Date Last Updated:	11/02/2012
Facility Owner:	SDCTY METRO WASTEWATER DEPT
Facility Mailing Address:	4918 N HARBOR DR #201
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92106-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

CERS HAZ WASTE:

Name:	DRISCOLL'S WHARF
Address:	4918 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 92106
Site ID:	391765
CERS ID:	10382590
CERS Description:	Hazardous Waste Generator

CERS:

Name:	DRISCOLL'S WHARF
Address:	4918 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 92106

SDCTY-MARINE BIOLOGY LAB (Continued) **S106064138**

Site ID:	391765
CERS ID:	10382590
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	391765
Site Name:	DRISCOLL'S WHARF
Violation Date:	03-29-2018
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 03/30/2018. Inspection Sequence ID:5842415;Violation:HMD0138 Manifest signed by the TSDF not available for inspection. 22 CCR 66262.40(a); HSC 25185(a)(4)
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

Site ID:	391765
Site Name:	DRISCOLL'S WHARF
Violation Date:	02-02-2016
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 02/09/2016.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

Site ID:	391765
Site Name:	DRISCOLL'S WHARF
Violation Date:	02-02-2016
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes:	Returned to compliance on 02/19/2016.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	391765
Site Name:	DRISCOLL'S WHARF
Violation Date:	02-02-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 02/19/2016.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

SDCTY-MARINE BIOLOGY LAB (Continued) **S106064138**

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-18-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Ceniceros Danielle Inspection ID:6410588
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-29-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Devasirvatham Rajkumar Inspection ID:5842415
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-02-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Campanella Luke Inspection ID:4922600
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-18-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Ceniceros Danielle Inspection ID:6410588
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-29-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Devasirvatham Rajkumar Inspection ID:5842415
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-02-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Campanella Luke Inspection ID:4922600
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Coordinates:

SDCTY-MARINE BIOLOGY LAB (Continued) **S106064138**

Site ID:	391765
Facility Name:	DRISCOLL'S WHARF
Env Int Type Code:	HMBP
Program ID:	10382590
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	32.725340
Longitude:	-117.223600

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Valerie Law
Entity Title:	Not reported
Affiliation Address:	4918 N Harbor Dr. #206
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92106
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	4918 N HARBOR DR #206
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92106-2358
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	DRISCOLL MARINA LTD
Entity Title:	Not reported
Affiliation Address:	4918 N HARBOR DR #206
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92106
Affiliation Phone:	(619) 222-4930,

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,

Affiliation Type Desc:	Operator
Entity Name:	DRISCOLL MARINA LTD
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

SDCTY-MARINE BIOLOGY LAB (Continued) **S106064138**

Affiliation Zip: Not reported
Affiliation Phone: (619) 222-4930,

Affiliation Type Desc: Document Preparer
Entity Name: Valerie Law
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: DRISCOLL'S WHARF
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Valerie Law
Entity Title: Marina Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

D26 **DRISCOLL MARINA LTD** **RCRA NonGen / NLR** **1024785604**
NW **4918 N HARBOR DR** **CAL000004624**
< 1/8 **SAN DIEGO, CA 92106**
0.091 mi.
483 ft. **Site 3 of 3 in cluster D**

Relative: Higher

Actual: 9 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 19891114
Handler Name: DRISCOLL MARINA LTD
Handler Address: 4918 N HARBOR DR
Handler City,State,Zip: SAN DIEGO, CA 92106-2358
EPA ID: CAL000004624
Contact Name: MAX MAHER II
Contact Address: 4918 N HARBOR DR 207
Contact City,State,Zip: SAN DIEGO, CA 92106
Contact Telephone: 619-222-4972
Contact Fax: 619-374-1301
Contact Email: MAX@DRISCOLLINC.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported

DRISCOLL MARINA LTD (Continued) **1024785604**

Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	4918 N HARBOR DR STE 203
Mailing City,State,Zip:	SAN DIEGO, CA 92106-0000
Owner Name:	THOMAS DRISCOLL
Owner Type:	Other
Operator Name:	MAX MAHER II
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported

DRISCOLL MARINA LTD (Continued) **1024785604**

Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MAX MAHER II
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4918 N HARBOR DR 207
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92106
Owner/Operator Telephone:	619-222-4972
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	THOMAS DRISCOLL
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4918 N HARBOR DR STE 203
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92106-0000
Owner/Operator Telephone:	619-222-4930
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19891114
Handler Name:	DRISCOLL MARINA LTD
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

DRISCOLL MARINA LTD (Continued) **1024785604**

Evaluation Action Summary:
Evaluations: No Evaluations Found

F27 **SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CEN** **CERS TANKS** **S123539062**
East **BLDG P-245** **N/A**
< 1/8 **SAN DIEGO, CA 92147**
0.102 mi.
538 ft. **Site 1 of 4 in cluster F**

Relative: Higher
Actual: 12 ft.

CERS TANKS:
Name: SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CENTER PACIFIC (FASWTC PAC) - BL
Address: BLDG P-245
City,State,Zip: SAN DIEGO, CA 92147
Site ID: 212976
CERS ID: T0607301620
CERS Description: Military Underground Storage Tank Site

F28 **SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CEN** **UST** **U004268206**
East **BLDG P-245** **N/A**
< 1/8 **SAN DIEGO, CA 92147**
0.102 mi.
538 ft. **Site 2 of 4 in cluster F**

Relative: Higher
Actual: 12 ft.

MILITARY UST SITES:
Name: SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CENTER PACIFIC (FASWTC PAC) - BLDG P-245
Address: BLDG P-245
City,State,Zip: SAN DIEGO, CA 92147
Global ID: T0607301620
Case Type: Military UST Site
Status: Completed - Case Closed
Status Date: 05/02/2001
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT286
Loc Case Number: H02451-002
File Location: Local Agency
Potential Contaminants of Concern: Heating Oil / Fuel Oil
Potential Media Affected: Other Groundwater (uses other than drinking water)
Site History: Not reported
Begin Date: 1986-09-24 00:00:00
How Discovered: Not reported
How Discovered Description: Not reported
Stop Method: Not reported
Stop Description: Not reported
Latitude: 32.7242593991474
Longitude: -117.219099998474
Geotracker: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607301620

C29 **SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CEN** **UST** **U004268489**
East **NO. HARBOR DRIVE** **N/A**
< 1/8 **SAN DIEGO, CA 92147**
0.105 mi.
553 ft. **Site 7 of 7 in cluster C**

Relative:
Higher
Actual:
12 ft.

MILITARY UST SITES:

Name:	SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CENTER PACIFIC (FASWTC PAC) - BLDG 3A (POI 88 BUILDING 3A/ADMIRAL KIDD CLUB)
Address:	NO. HARBOR DRIVE
City,State,Zip:	SAN DIEGO, CA 921475199
Global ID:	T0607302717
Case Type:	Military UST Site
Status:	Completed - Case Closed
Status Date:	06/26/2000
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT4010
Loc Case Number:	H80003-008
File Location:	Local Agency
Potential Contaminants of Concern:	Diesel
Potential Media Affected:	Other Groundwater (uses other than drinking water)
Site History:	Not reported
Begin Date:	1999-12-02 00:00:00
How Discovered:	Not reported
How Discovered Description:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
Latitude:	32.7238261512331
Longitude:	-117.218713760376
Geotracker:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607302717

---

30 **SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CEN** **UST** **U004268464**
ENE **NO. HARBOR DRIVE** **N/A**
< 1/8 **SAN DIEGO, CA 92147**
0.106 mi.
561 ft.

Relative:
Higher
Actual:
12 ft.

MILITARY UST SITES:

Name:	SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CENTER PACIFIC (FASWTC PAC) - BLDG 30
Address:	NO. HARBOR DRIVE
City,State,Zip:	SAN DIEGO, CA 92147-5199
Global ID:	T0607302413
Case Type:	Military UST Site
Status:	Completed - Case Closed
Status Date:	10/16/2001
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT3649
Loc Case Number:	H80003-006
File Location:	Local Agency
Potential Contaminants of Concern:	Diesel
Potential Media Affected:	Soil
Site History:	Not reported
Begin Date:	1998-02-17 00:00:00
How Discovered:	Not reported

SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CENTER PACIFI (Continued) **U004268464**

How Discovered Description: Not reported
Stop Method: Not reported
Stop Description: Not reported
Latitude: 32.7248731634224
Longitude: -117.219936847687
Geotracker: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607302413

G31 **SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CEN** **UST** **U004268320**
ESE **NO.HARBOR DRIVE** **N/A**
< 1/8 **SAN DIEGO, CA 92147**
0.123 mi.
648 ft. **Site 1 of 3 in cluster G**

Relative: Higher
Actual: 11 ft.

MILITARY UST SITES:
Name: SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CENTER PACIFIC (FASWTC PAC) - BLDG 22-1 AND 22-2
Address: NO.HARBOR DRIVE
City,State,Zip: SAN DIEGO, CA 92147-5199
Global ID: T0607302037
Case Type: Military UST Site
Status: Completed - Case Closed
Status Date: 02/10/1998
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT3282
Loc Case Number: H80003-005
File Location: Local Agency
Potential Contaminants of Concern: Diesel
Potential Media Affected: Soil
Site History: Not reported
Begin Date: 1995-06-12 00:00:00
How Discovered: Not reported
How Discovered Description: Not reported
Stop Method: Not reported
Stop Description: Not reported
Latitude: 32.722201452806
Longitude: -117.21864938736
Geotracker: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607302037

G32 **SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CEN** **CERS TANKS** **S123538790**
ESE **NO.HARBOR DRIVE** **N/A**
< 1/8 **SAN DIEGO, CA 92147**
0.123 mi.
650 ft. **Site 2 of 3 in cluster G**

Relative: Higher
Actual: 11 ft.

CERS TANKS:
Name: SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CENTER PACIFIC (FASWTC PAC) - BL
Address: NO.HARBOR DRIVE
City,State,Zip: SAN DIEGO, CA 92147-5199
Site ID: 196497
CERS ID: T0607302037
CERS Description: Military Underground Storage Tank Site

H33 **FORMER BAY CITY MARINE** **LUST** **S104735593**
WNW **4960 HARBOR DR N** **N/A**
1/8-1/4 **SAN DIEGO, CA 92106**
0.132 mi.
696 ft. **Site 1 of 8 in cluster H**

Relative:
Higher

Actual:
9 ft.

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT2729
Local Case:	H16749-001
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	EDFPET
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Tank
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Surface Water
Date Found:	03/22/1994
Date Stopped:	03/22/1994
Confirm Date:	03/22/1994
Submit Workplan:	Not reported
Prelim Assess:	03/22/1994
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	3/1/96
Began Monitor:	Not reported
Release Date:	03/22/1994
Enforce Date:	Not reported
Closed Date:	7/6/00
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	908.10
GW Depth:	2.82
Beneficial Use:	NBNB/E
NPDES Number:	Not reported
Priority:	1B
File Dispn:	Not reported
Interim Remedial Actions:	Not reported
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

H34 **HARBOR FUEL DOCK** **SAN DIEGO CO. SAM** **U001572733**
WNW **4960 N HARBOR DR** **LUST** **N/A**
1/8-1/4 **SAN DIEGO, CA 92106** **San Diego Co. HMMD**
0.132 mi. **SWEEPS UST**
696 ft. **Site 2 of 8 in cluster H** **HIST UST**
Cortese
ENF
CIWQS
CERS

Relative:
Higher

Actual:
9 ft.

SAN DIEGO CO. SAM:

Name:	HARBOR FUEL DOCK
Address:	4960 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 921062306
Case Number:	H16749-001

HARBOR FUEL DOCK (Continued) **U001572733**

Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	7/6/2000
Date Began:	6/2/1992

LUST:

Name:	HARBOR FUEL DOCK
Address:	4960 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 921062306
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607301483
Global Id:	T0607301483
Latitude:	32.7255662
Longitude:	-117.2214299
Status:	Completed - Case Closed
Status Date:	07/06/2000
Case Worker:	Not reported
RB Case Number:	9UT2729
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	H16749-001
Potential Media Affect:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

LUST:

Global Id:	T0607301483
Action Type:	ENFORCEMENT
Date:	07/06/2000
Action:	Closure/No Further Action Letter

LUST:

Global Id:	T0607301483
Status:	Open - Case Begin Date
Status Date:	03/22/1994
Global Id:	T0607301483
Status:	Completed - Case Closed
Status Date:	07/06/2000

HMMD SAN DIEGO:

Name:	HARBOR FUEL DOCK
Address:	4960 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	116749
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	DEH-116749
Last HMMD Inspection:	12/15/1993
Facility Telephone:	619-477-3991
Permit Status:	INAC
Permit Expiration:	Not reported

HARBOR FUEL DOCK (Continued) **U001572733**

Date Last Updated:	11/02/2012
Facility Owner:	BAY CITY MARINE INC
Facility Mailing Address:	1313 W 24TH ST
Facility Mailing City:	NATIONAL CITY
Facility Mailing State:	CA
Facility Mailing Zip:	91950-6601
UST Owner:	HARBOR FUEL DOCK
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 116749 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	116749
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	5000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1994-03-22 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 116749 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	116749
Tank Type:	SINGLE WALL
Additional Id:	003
Capacity Gallons:	10000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1994-03-24 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 116749 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	116749
Tank Type:	SINGLE WALL
Additional Id:	004
Capacity Gallons:	10000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED

HARBOR FUEL DOCK (Continued) **U001572733**

Remove Close Date:	1994-03-24 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 116749 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	116749
Tank Type:	SINGLE WALL
Additional Id:	005
Capacity Gallons:	10000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1994-03-24 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 116749 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	116749
Tank Type:	SINGLE WALL
Additional Id:	006
Capacity Gallons:	8000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1994-03-22 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 116749 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	116749
Tank Type:	SINGLE WALL
Additional Id:	007
Capacity Gallons:	8000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1994-03-22 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING

HARBOR FUEL DOCK (Continued) **U001572733**

ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 116749 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	116749
Tank Type:	SINGLE WALL
Additional Id:	008
Capacity Gallons:	10000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1994-03-22 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 116749 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	116749
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1994-03-22 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	PRESSURE
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SWEEPS UST:

Name:	HARBOR FUEL DOCK
Address:	4960 N HARBOR DR
City:	SAN DIEGO
Status:	Active
Comp Number:	16749
Number:	9
Board Of Equalization:	44-022961
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-016749-000001
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	OTHER
Number Of Tanks:	2

HARBOR FUEL DOCK (Continued) **U001572733**

Name:	HARBOR FUEL DOCK
Address:	4960 N HARBOR DR
City:	SAN DIEGO
Status:	Active
Comp Number:	16749
Number:	9
Board Of Equalization:	44-022961
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-016749-000002
Tank Status:	A
Capacity:	5000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

HIST UST:

Name:	HARBOR FUEL DOCK
Address:	4960 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 92106
File Number:	0002AC6C
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002AC6C.pdf
Region:	STATE
Facility ID:	00000054446
Facility Type:	Other
Other Type:	Not reported
Contact Name:	J. MOORE - C. EPPEL
Telephone:	6192231913
Owner Name:	BAY CITY MARINE
Owner Address:	4960 N. HARBOR DR.
Owner City,St,Zip:	SAN DIEGO, CA 92106
Total Tanks:	0008

Tank Num:	001
Container Num:	#1
Year Installed:	1945
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Visual

Tank Num:	002
Container Num:	2
Year Installed:	1945
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Visual

Tank Num:	003
Container Num:	3

HARBOR FUEL DOCK (Continued) **U001572733**

Year Installed: 1945
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 004
Container Num: 4
Year Installed: 1945
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 005
Container Num: 5
Year Installed: 1945
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 006
Container Num: 6
Year Installed: 1945
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 007
Container Num: 7
Year Installed: 1945
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 008
Container Num: 8
Year Installed: 1945
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Visual

Click here for Geo Tracker PDF:

CORTESE:
Name: HARBOR FUEL DOCK
Address: 4960 N HARBOR DR

HARBOR FUEL DOCK (Continued) **U001572733**

City,State,Zip:	SAN DIEGO, CA 921062306
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607301483
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

ENF:

Name:	BAY CITY MARINE BOAT YARD
Address:	4960 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	208886
Agency Name:	Bay City Marine, Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.725519
Place Longitude:	-117.22505
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste

HARBOR FUEL DOCK (Continued) **U001572733**

Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000328
Reg Measure Id:	213838
Reg Measure Type:	Enrollee
Region:	9
Order #:	95-041
Npdes# CA#:	CAG719001
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	500
Status:	Historical
Status Date:	12/02/2011
Effective Date:	06/01/1981
Expiration/Review Date:	Not reported
Termination Date:	05/16/2000
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	221884
Region:	9
Order / Resolution Number:	88-079
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	06/30/1988
Adoption/Issuance Date:	Not reported
Achieve Date:	9/28/1998
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000328
Description:	CLEANUP AND ABATEMENT ORDER FOR SAN DIEGO BAY.
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	9/28/1998
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

HARBOR FUEL DOCK (Continued) **U001572733**

Name:	BAY CITY MARINE BOAT YARD
Address:	4960 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	208886
Agency Name:	Bay City Marine, Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.725519
Place Longitude:	-117.22505
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000328
Reg Measure Id:	213838
Reg Measure Type:	Enrollee
Region:	9
Order #:	95-041
Npdes# CA#:	CAG719001
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	500
Status:	Historical
Status Date:	12/02/2011
Effective Date:	06/01/1981
Expiration/Review Date:	Not reported
Termination Date:	05/16/2000
WDR Review - Amend:	Not reported

HARBOR FUEL DOCK (Continued) **U001572733**

WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	221883
Region:	9
Order / Resolution Number:	88-079A1
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	12/01/1988
Adoption/Issuance Date:	Not reported
Achieve Date:	9/28/1998
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000328
Description:	AMENDS CLEANUP AND ABATEMENT ORDER NO. 88-79.
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	9/28/1998
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BAY CITY MARINE BOAT YARD
Address:	4960 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	208886
Agency Name:	Bay City Marine, Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.725519
Place Longitude:	-117.22505
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported

HARBOR FUEL DOCK (Continued) **U001572733**

NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000328
Reg Measure Id:	213838
Reg Measure Type:	Enrollee
Region:	9
Order #:	95-041
Npdes# CA#:	CAG719001
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	500
Status:	Historical
Status Date:	12/02/2011
Effective Date:	06/01/1981
Expiration/Review Date:	Not reported
Termination Date:	05/16/2000
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	221882
Region:	9
Order / Resolution Number:	88-079A2
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	02/02/1989
Adoption/Issuance Date:	Not reported
Achieve Date:	9/28/1998
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000328
Description:	AMENDS CLEANUP AND ABATEMENT ORDER NO. 88-79 AND ADDENDUM NO. 1.
Program:	NPDNONMUNIPRCS

HARBOR FUEL DOCK (Continued) **U001572733**

Latest Milestone Completion Date:	9/28/1998
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BAY CITY MARINE BOAT YARD
Address:	4960 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	208886
Agency Name:	Bay City Marine, Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.725519
Place Longitude:	-117.22505
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000328
Reg Measure Id:	213838
Reg Measure Type:	Enrollee
Region:	9
Order #:	95-041
Npdes# CA#:	CAG719001
Major-Minor:	Not reported
Npdes Type:	Not reported

HARBOR FUEL DOCK (Continued) **U001572733**

Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	500
Status:	Historical
Status Date:	12/02/2011
Effective Date:	06/01/1981
Expiration/Review Date:	Not reported
Termination Date:	05/16/2000
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	221881
Region:	9
Order / Resolution Number:	90-005
Enforcement Action Type:	Admin Civil Liability
Effective Date:	03/12/1990
Adoption/Issuance Date:	03/12/1990
Achieve Date:	4/6/1990
Termination Date:	04/06/1990
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	ACL 90-005, Southwest Marine, Enforcement - 9 000000328
Description:	ISSUED UNDER WATER CODE SECTION NUMBER 13385 (A)(4) & (C)(1).
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	4/6/1990
# Of Programs1:	1
Total Assessment Amount:	3750
Initial Assessed Amount:	0
Liability $ Amount:	3750
Project $ Amount:	0
Liability $ Paid:	3750
Project $ Completed:	0
Total $ Paid/Completed Amount:	3750

Name:	BAY CITY MARINE BOAT YARD
Address:	4960 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	208886
Agency Name:	Bay City Marine, Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.725519
Place Longitude:	-117.22505

HARBOR FUEL DOCK (Continued) **U001572733**

SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000328
Reg Measure Id:	213838
Reg Measure Type:	Enrollee
Region:	9
Order #:	95-041
Npdes# CA#:	CAG719001
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	500
Status:	Historical
Status Date:	12/02/2011
Effective Date:	06/01/1981
Expiration/Review Date:	Not reported
Termination Date:	05/16/2000
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	221880
Region:	9
Order / Resolution Number:	88-079A3
Enforcement Action Type:	Clean-up and Abatement Order

HARBOR FUEL DOCK (Continued) **U001572733**

Effective Date:	12/09/1991
Adoption/Issuance Date:	Not reported
Achieve Date:	9/28/1998
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000328
Description:	SET CLEANUP LEVELS AND AMENDED TIME SCHEDULE.
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	9/28/1998
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BAY CITY MARINE BOAT YARD
Address:	4960 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	208886
Agency Name:	Bay City Marine, Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.725519
Place Longitude:	-117.22505
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW

HARBOR FUEL DOCK (Continued) **U001572733**

Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000328
Reg Measure Id:	213838
Reg Measure Type:	Enrollee
Region:	9
Order #:	95-041
Npdes# CA#:	CAG719001
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	500
Status:	Historical
Status Date:	12/02/2011
Effective Date:	06/01/1981
Expiration/Review Date:	Not reported
Termination Date:	05/16/2000
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	221801
Region:	9
Order / Resolution Number:	88-079A5
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	12/20/1993
Adoption/Issuance Date:	Not reported
Achieve Date:	9/28/1998
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000328
Description:	UNKNOWN
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	9/28/1998
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BAY CITY MARINE BOAT YARD
Address:	4960 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9

HARBOR FUEL DOCK (Continued) **U001572733**

Facility Id:	208886
Agency Name:	Bay City Marine, Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.725519
Place Longitude:	-117.22505
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000328
Reg Measure Id:	213838
Reg Measure Type:	Enrollee
Region:	9
Order #:	95-041
Npdes# CA#:	CAG719001
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	500
Status:	Historical
Status Date:	12/02/2011
Effective Date:	06/01/1981
Expiration/Review Date:	Not reported
Termination Date:	05/16/2000
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported

HARBOR FUEL DOCK (Continued) **U001572733**

WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	221800
Region:	9
Order / Resolution Number:	88-079A4
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	06/30/1988
Adoption/Issuance Date:	Not reported
Achieve Date:	9/28/1998
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000328
Description:	UNKNOWN
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	9/28/1998
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BAY CITY MARINE BOAT YARD
Address:	4960 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	208886
Agency Name:	Bay City Marine, Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.725519
Place Longitude:	-117.22505
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0

HARBOR FUEL DOCK (Continued) **U001572733**

Threat To Water Quality:	2
Complexity:	C
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000328
Reg Measure Id:	213838
Reg Measure Type:	Enrollee
Region:	9
Order #:	95-041
Npdes# CA#:	CAG719001
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	500
Status:	Historical
Status Date:	12/02/2011
Effective Date:	06/01/1981
Expiration/Review Date:	Not reported
Termination Date:	05/16/2000
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	221799
Region:	9
Order / Resolution Number:	88-079A7
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	11/10/1994
Adoption/Issuance Date:	Not reported
Achieve Date:	9/28/1998
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000328
Description:	UNKNOWN
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	9/28/1998
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0

HARBOR FUEL DOCK (Continued) **U001572733**

Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BAY CITY MARINE BOAT YARD
Address:	4960 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	208886
Agency Name:	Bay City Marine, Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.725519
Place Longitude:	-117.22505
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000328
Reg Measure Id:	213838
Reg Measure Type:	Enrollee
Region:	9
Order #:	95-041
Npdes# CA#:	CAG719001
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	500
Status:	Historical

HARBOR FUEL DOCK (Continued) **U001572733**

Status Date:	12/02/2011
Effective Date:	06/01/1981
Expiration/Review Date:	Not reported
Termination Date:	05/16/2000
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	221798
Region:	9
Order / Resolution Number:	88-079A6
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	12/08/1994
Adoption/Issuance Date:	Not reported
Achieve Date:	9/28/1998
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000328
Description:	UNKNOWN
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	9/28/1998
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BAY CITY MARINE BOAT YARD
Address:	4960 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	208886
Agency Name:	Bay City Marine, Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.725519
Place Longitude:	-117.22505
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported

HARBOR FUEL DOCK (Continued) **U001572733**

NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000328
Reg Measure Id:	213838
Reg Measure Type:	Enrollee
Region:	9
Order #:	95-041
Npdes# CA#:	CAG719001
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	500
Status:	Historical
Status Date:	12/02/2011
Effective Date:	06/01/1981
Expiration/Review Date:	Not reported
Termination Date:	05/16/2000
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	220434
Region:	9
Order / Resolution Number:	97-058
Enforcement Action Type:	Admin Civil Liability
Effective Date:	09/17/1997
Adoption/Issuance Date:	Not reported
Achieve Date:	8/20/2001
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported

HARBOR FUEL DOCK (Continued) **U001572733**

Status:	Historical
Title:	Enforcement - 9 000000328
Description:	3 RESPONSIBLE PARTIES.HB&Y FILED A PETITION FOR REVIEW BY SWRCB 10/14/97. SDUPD PAID 2 FINE W/ 30DAY
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	8/20/2001
# Of Programs1:	1
Total Assessment Amount:	132000
Initial Assessed Amount:	0
Liability $ Amount:	132000
Project $ Amount:	0
Liability $ Paid:	132000
Project $ Completed:	0
Total $ Paid/Completed Amount:	132000

CIWQS:

Name:	BAY CITY MARINE BOAT YARD
Address:	4960 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 92106
Agency:	Bay City Marine, Inc
Agency Address:	Po Box 2517, National City, CA 91951
Place/Project Type:	Boatyard/Shipyard
SIC/NAICS:	3732
Region:	9
Program:	NPDESWW, NPDNONMUNIPRCS
Regulatory Measure Status:	Historical
Regulatory Measure Type:	NPDES Permit
Order Number:	87-049
WDID:	9 000000328
NPDES Number:	CAG719001
Adoption Date:	05/04/1987
Effective Date:	05/04/1987
Termination Date:	Not reported
Expiration/Review Date:	05/04/1992
Design Flow:	0
Major/Minor:	Minor
Complexity:	C
TTWQ:	2
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	32.725519
Longitude:	-117.22505

CERS:

Name:	HARBOR FUEL DOCK
Address:	4960 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 921062306
Site ID:	203956
CERS ID:	T0607301483
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Name:	BAY CITY MARINE BOAT YARD
Address:	4960 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 92106
Site ID:	348829
CERS ID:	208886

HARBOR FUEL DOCK (Continued) **U001572733**

CERS Description:	NPDES Wastewater and Stormwater

Violations:

Site ID:	348829
Site Name:	Bay City Marine Boat Yard
Violation Date:	01-25-1994
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	FACILITY UST LEAKING OILY MATERIAL ONTO ADJACENT ROCKY SHORELINE.DISCH & SDUPD ARE CONDUCTING TANK REMOVAL/SITE CLEANUP.
Violation Division:	Water Boards
Violation Program:	NPDNONMUNI
Violation Source:	CIWQS,
Site ID:	348829
Site Name:	Bay City Marine Boat Yard
Violation Date:	02-28-1994
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	PER LANGUAGE IN CAO 88-79, AS NOTIFIED ON FEBRUARY 22, 1994 OF $2530. OWED FOR STAFF COST RECOVERY, BAY CITY MARINE HAS FAILED TO PAY BY DEADLINE.
Violation Division:	Water Boards
Violation Program:	NPDNONMUNI
Violation Source:	CIWQS,
Site ID:	348829
Site Name:	Bay City Marine Boat Yard
Violation Date:	06-30-1993
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	SEDIMENT MONITORING & REPORTING PROGRAM CHEMICAL UTILIZATION AUDIT & WASTE HAULING LOG MISSING.
Violation Division:	Water Boards
Violation Program:	NPDNONMUNI
Violation Source:	CIWQS,
Site ID:	348829
Site Name:	Bay City Marine Boat Yard
Violation Date:	01-30-1993
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	FAILURE TO SUBMIT THE JUN-NOV 1992 SEDIMENT REPORT.
Violation Division:	Water Boards
Violation Program:	NPDNONMUNI
Violation Source:	CIWQS,
Site ID:	348829
Site Name:	Bay City Marine Boat Yard
Violation Date:	10-30-1996
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	DISCHARGE FROM YARD INCLUDED RUNOFF FROM STOCKPILED DREDGE SPOILS. PLUME WAS VERY TURBID. POSSIBLE RECEIVING WATER LIMIT VIOLATION.
Violation Division:	Water Boards
Violation Program:	NPDNONMUNI
Violation Source:	CIWQS,

HARBOR FUEL DOCK (Continued) **U001572733**

Site ID:	348829
Site Name:	Bay City Marine Boat Yard
Violation Date:	09-27-1996
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	SUSPECTED VIOLATION. A WORKER WAS PAINTING A VESSEL IN THE WATER. VESSEL WAS BEING BRUSH PAINTED OVER THE SIDE.WHITE PARTICULATES FOUND FLOATING IN THE WATER INSIDE&OUTSIDE A BOOM.NO PRECAUTION TAKEN.
Violation Division:	Water Boards
Violation Program:	NPDNONMUNI
Violation Source:	CIWQS,

Site ID:	348829
Site Name:	Bay City Marine Boat Yard
Violation Date:	01-11-2002
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Did not pay fees for 1997/1998
Violation Division:	Water Boards
Violation Program:	NPDNONMUNI
Violation Source:	CIWQS,

Enforcement Action:

Site ID:	348829
Site Name:	Bay City Marine Boat Yard
Site Address:	4960 N HARBOR DR
Site City:	SAN DIEGO
Site Zip:	92106
Enf Action Date:	02-02-1989
Enf Action Type:	Clean-up and Abatement Order
Enf Action Description:	Clean-up and Abatement Order
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	UNSPEC
Enf Action Source:	CIWQS,

Site ID:	348829
Site Name:	Bay City Marine Boat Yard
Site Address:	4960 N HARBOR DR
Site City:	SAN DIEGO
Site Zip:	92106
Enf Action Date:	03-12-1990
Enf Action Type:	Administrative Enforcement with Penality
Enf Action Description:	Administrative Enforcement with Civil Liability (Penality)
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	UNSPEC
Enf Action Source:	CIWQS,

Site ID:	348829
Site Name:	Bay City Marine Boat Yard
Site Address:	4960 N HARBOR DR
Site City:	SAN DIEGO
Site Zip:	92106
Enf Action Date:	06-30-1988
Enf Action Type:	Clean-up and Abatement Order
Enf Action Description:	Clean-up and Abatement Order

HARBOR FUEL DOCK (Continued) **U001572733**

Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	UNSPEC
Enf Action Source:	CIWQS,

Site ID:	348829
Site Name:	Bay City Marine Boat Yard
Site Address:	4960 N HARBOR DR
Site City:	SAN DIEGO
Site Zip:	92106
Enf Action Date:	09-17-1997
Enf Action Type:	Administrative Enforcement with Penality
Enf Action Description:	Administrative Enforcement with Civil Liability (Penality)
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	UNSPEC
Enf Action Source:	CIWQS,

Site ID:	348829
Site Name:	Bay City Marine Boat Yard
Site Address:	4960 N HARBOR DR
Site City:	SAN DIEGO
Site Zip:	92106
Enf Action Date:	11-10-1994
Enf Action Type:	Clean-up and Abatement Order
Enf Action Description:	Clean-up and Abatement Order
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	UNSPEC
Enf Action Source:	CIWQS,

Site ID:	348829
Site Name:	Bay City Marine Boat Yard
Site Address:	4960 N HARBOR DR
Site City:	SAN DIEGO
Site Zip:	92106
Enf Action Date:	12-01-1988
Enf Action Type:	Clean-up and Abatement Order
Enf Action Description:	Clean-up and Abatement Order
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	UNSPEC
Enf Action Source:	CIWQS,

Site ID:	348829
Site Name:	Bay City Marine Boat Yard
Site Address:	4960 N HARBOR DR
Site City:	SAN DIEGO
Site Zip:	92106
Enf Action Date:	12-08-1994
Enf Action Type:	Clean-up and Abatement Order
Enf Action Description:	Clean-up and Abatement Order
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	UNSPEC
Enf Action Source:	CIWQS,

HARBOR FUEL DOCK (Continued) **U001572733**

Site ID:	348829
Site Name:	Bay City Marine Boat Yard
Site Address:	4960 N HARBOR DR
Site City:	SAN DIEGO
Site Zip:	92106
Enf Action Date:	12-09-1991
Enf Action Type:	Clean-up and Abatement Order
Enf Action Description:	Clean-up and Abatement Order
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	UNSPEC
Enf Action Source:	CIWQS,

Site ID:	348829
Site Name:	Bay City Marine Boat Yard
Site Address:	4960 N HARBOR DR
Site City:	SAN DIEGO
Site Zip:	92106
Enf Action Date:	12-20-1993
Enf Action Type:	Clean-up and Abatement Order
Enf Action Description:	Clean-up and Abatement Order
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	UNSPEC
Enf Action Source:	CIWQS,

H35	**BAY CITY MARINE, INC.**	**San Diego Co. HMMD**	**S104748355**
WNW	**4960 HARBOR DR**	**HIST CORTESE**	**N/A**
1/8-1/4	**SAN DIEGO, CA 92106**		
0.132 mi.			
696 ft.	**Site 3 of 8 in cluster H**		

Relative: **Higher**

Actual: **9 ft.**

HMMD SAN DIEGO:

Name:	BAY CITY MARINE, INC.
Address:	4960 HARBOR DR
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	114833
Business Type:	6HK33
EPA Id Number:	CAD983591611
APN:	DEH-114833
Last HMMD Inspection:	01/31/1996
Facility Telephone:	619-477-3991
Permit Status:	INAC
Permit Expiration:	01/31/1996
Date Last Updated:	11/02/2012
Facility Owner:	DAVID LLOYD
Facility Mailing Address:	1625 N CLEVELAND AVE
Facility Mailing City:	NATIONAL CITY
Facility Mailing State:	CA
Facility Mailing Zip:	91950-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

BAY CITY MARINE, INC. (Continued) **S104748355**

HIST CORTESE:

edr_fname:	BAY CITY MARINE
edr_fadd1:	4960 HARBOR
City,State,Zip:	SAN DIEGO, CA 92106
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2729

H36
WNW
1/8-1/4
0.132 mi.
696 ft.

AMERICA CUBE FOUNDATION
4960 N HARBOR DR
SAN DIEGO, CA 92106

Site 4 of 8 in cluster H

RCRA-SQG
FINDS
ECHO

1000595242
CAD983591611

Relative:
Higher

Actual:
9 ft.

RCRA-SQG:

Date Form Received by Agency:	19910718
Handler Name:	AMERICA CUBE FOUNDATION
Handler Address:	4960 N HARBOR DR
Handler City,State,Zip:	SAN DIEGO, CA 92106
EPA ID:	CAD983591611
Contact Name:	WHITE JOEL
Contact Address:	4960 N HARBOR DR
Contact City,State,Zip:	SAN DIEGO, CA 92106
Contact Telephone:	619-221-2100
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	4
Mailing Address:	N HARBOR DR
Mailing City,State,Zip:	SAN DIEGO, CA 92106
Owner Name:	AMERICA CUBE FOUNDATION
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported

AMERICA CUBE FOUNDATION (Continued) **1000595242**

Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner

AMERICA CUBE FOUNDATION (Continued) **1000595242**

Owner/Operator Name:	AMERICA CUBE FOUNDATION
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19910718
Handler Name:	AMERICA CUBE FOUNDATION
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002850843

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000595242
Registry ID:	110002850843
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002850843
Name:	AMERICA CUBE FOUNDATION

AMERICA CUBE FOUNDATION (Continued) **1000595242**

Address: 4960 N HARBOR DR
City,State,Zip: SAN DIEGO, CA 92106

H37 **HARBORSIDE PETROLUEM CORPORATI** **HIST UST** **U001572734**
WNW **4960 N HARBOR DR** **N/A**
1/8-1/4 **SAN DIEGO, CA 92106**
0.132 mi.
696 ft. **Site 5 of 8 in cluster H**

Relative:
Higher

Actual:
9 ft.

HIST UST:

Name:	HARBORSIDE PETROLUEM CORPORATI
Address:	4960 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 92106
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000059353
Facility Type:	Other
Other Type:	MARINA FUEL DOCK
Contact Name:	JAMES IBACH
Telephone:	6192330424
Owner Name:	BAY CITY MARINE
Owner Address:	4960 NORTH HARBOR DRIVE
Owner City,St,Zip:	SAN DIEGO, CA 92106
Total Tanks:	0008

Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	003
Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	004
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00005000
Tank Used for:	PRODUCT

HARBORSIDE PETROLUEM CORPORATI (Continued) **U001572734**

Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: 5
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 006
Container Num: 6
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 007
Container Num: 7
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 008
Container Num: 8
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

H38 **WNW** **1/8-1/4** **0.132 mi.** **696 ft.**	**HARBORSIDE PETROLUEM CORPORATI** **4960 NORTH HARBOR DRIVE** **SAN DIEGO, CA 92106** **Site 6 of 8 in cluster H**	**HIST UST** **HAZNET** **HWTS**	**S112863076** **N/A**

Relative:
Higher

Actual:
9 ft.

HIST UST:
Name: HARBORSIDE PETROLUEM CORPORATI
Address: 4960 NORTH HARBOR DRIVE
City,State,Zip: SAN DIEGO, CA 92106
File Number: 0002AC6E
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002AC6E.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported

HARBORSIDE PETROLUEM CORPORATI (Continued) **S112863076**

Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

HAZNET:
Name: AMERICA CUBED FOUNDATION
Address: 4960 N HARBOR DR
Address 2: Not reported
City,State,Zip: SAN DIEGO, CA 921060000
Contact: PETER GRUBB -OPS. DIRECTOR
Telephone: 6192212100
Mailing Name: Not reported
Mailing Address: 4960 N HARBOR DR

Year: 1995
Gepaid: CAC001048144
TSD EPA ID: CAD044429835
CA Waste Code: 461 - Paint sludge
Disposal Method: T03 - Treatment, Incineration
Tons: 0.1459

Year: 1995
Gepaid: CAC001048144
TSD EPA ID: CAD044429835
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: T03 - Treatment, Incineration
Tons: 0.033

Year: 1995
Gepaid: CAC001048144
TSD EPA ID: CAD044429835
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: R01 - Recycler
Tons: 0.152

Year: 1995
Gepaid: CAC001048144
TSD EPA ID: CAD044429835
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: R01 - Recycler
Tons: 0.066

Additional Info:

HARBORSIDE PETROLUEM CORPORATI (Continued) **S112863076**

Year:	1995
Gen EPA ID:	CAC001048144
Shipment Date:	19950615
Creation Date:	10/24/1995 0:00:00
Receipt Date:	19950620
Manifest ID:	95189519
Trans EPA ID:	CAD981412356
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	T03 - Treatment, Incineration
Quantity Tons:	0.033
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950615
Creation Date:	10/24/1995 0:00:00
Receipt Date:	19950620
Manifest ID:	95189519
Trans EPA ID:	CAD981412356
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.066
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950609
Creation Date:	10/24/1995 0:00:00
Receipt Date:	19950613
Manifest ID:	95189443
Trans EPA ID:	CAD981412356
Trans Name:	Not reported

HARBORSIDE PETROLUEM CORPORATI (Continued) **S112863076**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.152
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19950609
Creation Date:	10/24/1995 0:00:00
Receipt Date:	19950613
Manifest ID:	95189443
Trans EPA ID:	CAD981412356
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	461 - Paint sludge
RCRA Code:	D001
Meth Code:	T03 - Treatment, Incineration
Quantity Tons:	0.1459
Waste Quantity:	35
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	AMERICA CUBED FOUNDATION
Address:	4960 N HARBOR DR
Address 2:	Not reported
City,State,Zip:	SAN DIEGO, CA 92106
EPA ID:	CAC001048144
Inactive Date:	10/25/2000
Create Date:	06/05/1995
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	4960 N HARBOR DR
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN DIEGO, CA 921060000
Owner Name:	AMERICA CUBED FOUNDATION
Owner Address:	4960 N HARBOR DR

HARBORSIDE PETROLUEM CORPORATI (Continued) **S112863076**

Owner Address 2:	Not reported
Owner City,State,Zip:	SAN DIEGO, CA 921060000
Contact Name:	PETER GRUBB -OPS. DIRECTOR
Contact Address:	4960 N HARBOR DR
Contact Address 2:	Not reported
City,State,Zip:	SAN DIEGO, CA 921060000
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	32.725573
Longitude:	-117.225082

H39
WNW
1/8-1/4
0.150 mi.
792 ft.

SUN HARBOR MARINA
5000 N HARBOR DR STE 200
SAN DIEGO, CA 92106

Site 7 of 8 in cluster H

San Diego Co. HMMD
CERS HAZ WASTE
CHMIRS
HAZNET
CERS
HWTS

S117976518
N/A

Relative:
Higher

Actual:
9 ft.

HMMD SAN DIEGO:

Name:	SUN HARBOR MARINA
Address:	5000 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 92106-2386
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000404517
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	619-222-1167
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	12/29/2021
Facility Owner:	Not reported
Facility Mailing Address:	5000 N Harbor Dr, San Diego, CA 92106
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Waste and Materials:

Record ID:	DEH2015-HUPFP-001754
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2015-HWAST-0065584
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-03-28T22:49:58.000
Chemical Name:	Non-RCRA Hazardous Waste Solid Absorbant Pads with Oil
Common Name:	Absorbant Pads with Oil
Case Number:	Not reported
Record ID:	DEH2015-HUPFP-001754

SUN HARBOR MARINA (Continued) **S117976518**

Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0212643
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-12-24T00:58:48.000
Chemical Name:	Non-RCRA Hazardous Waste Solid Absorbant Pads with Oil
Common Name:	Absorbant Pads with Oil
Case Number:	Not reported

Record ID:	DEH2015-HUPFP-001754
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0251485
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-12-29T02:32:09.000
Chemical Name:	Non-RCRA Hazardous Waste Solid Absorbant Pads with Oil
Common Name:	Absorbant Pads with Oil
Case Number:	Not reported

Record ID:	DEH2015-HUPFP-001754
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0138887
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-12-18T02:35:18.000
Chemical Name:	Non-RCRA Hazardous Waste Solid Absorbant Pads with Oil
Common Name:	Absorbant Pads with Oil
Case Number:	Not reported

CERS HAZ WASTE:

Name:	SUN HARBOR MARINA
Address:	5000 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 92106
Site ID:	274899
CERS ID:	10624948
CERS Description:	Hazardous Waste Generator

CHMIRS:

Name:	Not reported
Address:	5000 NORTH HARBOR DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
OES Incident Number:	17-1141
OES notification:	02/07/2017
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported

SUN HARBOR MARINA (Continued) **S117976518**

Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego Bay
Spill Site:	Ship/Harbor/Port
Cleanup By:	Unrecoverable
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Sheen
Other:	Not reported
Date/Time:	945
Year:	2017
Agency:	Sun Harbor Marina San Diego
Incident Date:	02/07/2017
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Unknown
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Diesel
Quantity Released:	150 - 200 square feet
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported

SUN HARBOR MARINA (Continued) **S117976518**

Description:	Caller states: An unknown sheen from an unknown source was observed. The release will disperse naturally and no mitigation efforts will be employed.
Name:	Not reported
Address:	5000 NORTH HARBOR DR
City,State,Zip:	SAN DIEGO, CA 92106
OES Incident Number:	17-0403
OES notification:	01/12/2017
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Americas Cup Harbor
Spill Site:	Waterways
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Sheen
Other:	Not reported
Date/Time:	1500
Year:	2017
Agency:	NRC
Incident Date:	01/12/2017
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Unknown
Site Type:	Americas Cup Harbor

SUN HARBOR MARINA (Continued) **S117976518**

E Date:	Not reported
Substance:	Oil
Quantity Released:	Unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	NRC Report states: "A MYSTERY SHEEN WAS OBSERVED AT THE SUN HARBOR MARINA, FROM AN UNKNOWN SOURCE. Sheen Color: RAINBOW, Sheen Odor Description: DIESEL. - THE RP STATED THAT THE SHEEN IS COVERING THE ENTIRE MARINA. * RP IS CONCERNED FOR WILDLIFE AND MARINE SPECIES."

Name:	Not reported
Address:	5000 N HARBOR DR, POINT LOMA FISHERMAN'S LANDING
City,State,Zip:	SAN DIEGO, CA
OES Incident Number:	15-2548
OES notification:	05/06/2015
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported

SUN HARBOR MARINA (Continued) **S117976518**

Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	2020
Year:	2015
Agency:	NRC
Incident Date:	05/06/2015
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Unknown
Site Type:	Not reported
E Date:	Not reported
Substance:	Fuel - Unk Type
Quantity Released:	Unk
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Per NRC report: A citizen reported a pungent gas odor in the atmosphere, no visible sheen reported. Not reported

HAZNET:

Name:	SUN HARBOR MARINA
Address:	5000 N HARBOR DR STE 200
Address 2:	Not reported
City,State,Zip:	SAN DIEGO, CA 921062386
Contact:	LISA RUSTIN
Telephone:	9162221167
Mailing Name:	Not reported
Mailing Address:	5000 N HARBOR DR STE 200
Year:	2019
Gepaid:	CAL000404517
TSD EPA ID:	CAD008252405

SUN HARBOR MARINA (Continued) **S117976518**

CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.15750

Year: 2018
Gepaid: CAL000404517
TSD EPA ID: CAD008252405
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.02250

Year: 2017
Gepaid: CAL000404517
TSD EPA ID: AZR000515924
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.025

Year: 2017
Gepaid: CAL000404517
TSD EPA ID: CAD982444481
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.075

Year: 2016
Gepaid: CAL000404517
TSD EPA ID: CAD982444481
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.05

Year: 2015
Gepaid: CAL000404517
TSD EPA ID: CAD982444481
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.25

Additional Info:
Year: 2017
Gen EPA ID: CAL000404517

Shipment Date: 20170509
Creation Date: 5/12/2018 18:32:16
Receipt Date: 20170515
Manifest ID: 016937023JJK
Trans EPA ID: CAR000262956
Trans Name: ENVIROPROS
Trans 2 EPA ID: CAR000175422

SUN HARBOR MARINA (Continued) **S117976518**

Trans 2 Name:	WORLD WIDE RECOVERY SYSTEMS INC
TSDF EPA ID:	AZR000515924
Trans Name:	YUMA YES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170131
Creation Date:	4/5/2017 18:30:28
Receipt Date:	20170206
Manifest ID:	016467928JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAL000404517

Shipment Date:	20150625
Creation Date:	9/16/2015 22:15:10
Receipt Date:	20150708
Manifest ID:	012862416JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC

SUN HARBOR MARINA (Continued) **S117976518**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAL000404517
Shipment Date:	20150625
Creation Date:	9/16/2015 22:15:10
Receipt Date:	20150708
Manifest ID:	012862416JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	SUN HARBOR MARINA
Address:	5000 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 92106
Site ID:	274899
CERS ID:	10624948
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-28-2017
Violations Found:	No
Eval Type:	Routine done by local agency

SUN HARBOR MARINA (Continued) **S117976518**

Eval Notes:	Inspector: Anderson Sean Inspection ID:5784512
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-02-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Anderson Sean Inspection ID:6322352
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-19-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Thai Darren Inspection ID:5386528
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Affiliation:

Affiliation Type Desc:	Identification Signer
Entity Name:	Lisa Rustin
Entity Title:	General Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	5000 N Harbor Dr
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92106
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	Sun Harbor Marina
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(619) 222-1167,

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported

SUN HARBOR MARINA (Continued) **S117976518**

Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Lisa Rustin
Entity Title:	Not reported
Affiliation Address:	5000 N Harbor Dr
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92106
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	Sun Harbor Marina
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Property Owner
Entity Name:	Frank LoPreste
Entity Title:	Not reported
Affiliation Address:	5000 N Harbor Dr
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92106
Affiliation Phone:	(619) 222-1167,

Affiliation Type Desc:	Legal Owner
Entity Name:	Frank LoPreste
Entity Title:	Not reported
Affiliation Address:	5000 N Harbor Dr
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92106
Affiliation Phone:	(619) 222-1167,

HWTS:

Name:	SUN HARBOR MARINA
Address:	5000 N HARBOR DR STE 200
Address 2:	Not reported
City,State,Zip:	SAN DIEGO, CA 92106
EPA ID:	CAL000404517
Inactive Date:	Not reported
Create Date:	02/17/2015
Last Act Date:	Not reported

SUN HARBOR MARINA (Continued) **S117976518**

Mailing Name:	Not reported
Mailing Address:	5000 N HARBOR DR STE 200
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN DIEGO, CA 921062386
Owner Name:	FRB GRINDLE LLC
Owner Address:	5000 N HARBOR DR STE 200
Owner Address 2:	Not reported
Owner City,State,Zip:	SAN DIEGO, CA 921062386
Contact Name:	LISA RUSTIN
Contact Address:	5000 N HARBOR DR STE 200
Contact Address 2:	Not reported
City,State,Zip:	SAN DIEGO, CA 92106
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	32.72516591
Longitude:	-117.2244831

NAICS:

EPA ID:	CAL000404517
Create Date:	2015-02-17 16:24:43.183
NAICS Code:	71151
NAICS Description:	Independent Artists, Writers, and Performers
Issued EPA ID Date:	2015-02-17 16:24:43.17000
Inactive Date:	Not reported
Facility Name:	SUN HARBOR MARINA
Facility Address:	5000 N HARBOR DR STE 200
Facility Address 2:	Not reported
Facility City:	SAN DIEGO
Facility County:	Not reported
Facility State:	CA
Facility Zip:	921062386

H40
WNW
1/8-1/4
0.150 mi.
792 ft.

SUN HARBOR MARINA
5000 N HARBOR DR STE 200
SAN DIEGO, CA 92106

Site 8 of 8 in cluster H

RCRA NonGen / NLR **1024848687** **CAL000404517**

Relative: **Higher**

Actual: **9 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20150217
Handler Name:	SUN HARBOR MARINA
Handler Address:	5000 N HARBOR DR STE 200
Handler City,State,Zip:	SAN DIEGO, CA 92106-2386
EPA ID:	CAL000404517
Contact Name:	KATHY OBRIEN
Contact Address:	5000 N HARBOR DR STE 200
Contact City,State,Zip:	SAN DIEGO, CA 92106
Contact Telephone:	916-222-1167
Contact Fax:	619-222-9387
Contact Email:	KATHY@SUN-HARBOR.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported

SUN HARBOR MARINA (Continued) **1024848687**

Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	5000 N HARBOR DR STE 200
Mailing City,State,Zip:	SAN DIEGO, CA 92106-2386
Owner Name:	FRB GRINDLE LLC
Owner Type:	Other
Operator Name:	KATHY OBRIEN
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported

SUN HARBOR MARINA (Continued) **1024848687**

Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	FRB GRINDLE LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5000 N HARBOR DR STE 200
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92106-2386
Owner/Operator Telephone:	619-222-1167
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	KATHY OBRIEN
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5000 N HARBOR DR STE 200
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92106
Owner/Operator Telephone:	916-222-1167
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20150217
Handler Name:	SUN HARBOR MARINA
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	71151
NAICS Description:	INDEPENDENT ARTISTS, WRITERS, AND PERFORMERS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

SUN HARBOR MARINA (Continued) **1024848687**

Evaluation Action Summary:
Evaluations: No Evaluations Found

F41
East
1/8-1/4
0.152 mi.
804 ft.

SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CEN **UST** **U004268759**
BLDG 2 **N/A**
SAN DIEGO, CA 92147

Site 3 of 4 in cluster F

Relative:
Higher
Actual:
12 ft.

MILITARY UST SITES:

Name:	SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CENTER PACIFIC (FASWTC PAC) - BLDG 2
Address:	BLDG 2
City,State,Zip:	SAN DIEGO, CA 92147
Global ID:	T0608127074
Case Type:	Military UST Site
Status:	Completed - Case Closed
Status Date:	03/12/2001
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	KH
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
Loc Case Number:	H02451-004
File Location:	Local Agency
Potential Contaminants of Concern:	Diesel
Potential Media Affected:	Under Investigation
Site History:	Not reported
Begin Date:	1992-01-16 00:00:00
How Discovered:	Not reported
How Discovered Description:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
Latitude:	32.7246204374679
Longitude:	-117.218327522278
Geotracker:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608127074

F42
East
1/8-1/4
0.152 mi.
804 ft.

SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CEN **CERS TANKS** **S123538665**
BLDG 2 **N/A**
SAN DIEGO, CA 92147

Site 4 of 4 in cluster F

Relative:
Higher
Actual:
12 ft.

CERS TANKS:

Name:	SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CENTER PACIFIC (FASWTC PAC) - BL
Address:	BLDG 2
City,State,Zip:	SAN DIEGO, CA 92147
Site ID:	188616
CERS ID:	T0608127074
CERS Description:	Military Underground Storage Tank Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	KEVIN HEATON - SAN DIEGO COUNTY LOP

SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CENTER PACIFI (Continued) **S123538665**

Entity Title:	Not reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

I43
ENE
1/8-1/4
0.168 mi.
887 ft.

SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CEN **CERS TANKS** **S123539793**
BLDG 506 BLDG 506 TENNIS/FASWTC **N/A**
SAN DIEGO, CA 92147

Site 1 of 3 in cluster I

Relative:
Higher
Actual:
12 ft.

CERS TANKS:

Name:	SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CENTER PACIFIC (FASWTC PAC) - PO
Address:	BLDG 506 BLDG 506 TENNIS/FASWTC
City,State,Zip:	SAN DIEGO, CA 92147
Site ID:	255606
CERS ID:	T0607301860
CERS Description:	Military Underground Storage Tank Site

I44
ENE
1/8-1/4
0.168 mi.
887 ft.

SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CEN **UST** **U004268295**
BLDG 506 BLDG 506 TENNIS/FASWTC **N/A**
SAN DIEGO, CA 92147

Site 2 of 3 in cluster I

Relative:
Higher
Actual:
12 ft.

MILITARY UST SITES:

Name:	SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CENTER PACIFIC (FASWTC PAC) - POI 89, TENNIS COURTS/BUILDING 506
Address:	BLDG 506 BLDG 506 TENNIS/FASWTC
City,State,Zip:	SAN DIEGO, CA 92147
Global ID:	T0607301860
Case Type:	Military UST Site
Status:	Completed - Case Closed
Status Date:	01/05/2000
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT3095
Loc Case Number:	H80021-013
File Location:	Not reported
Potential Contaminants of Concern:	Diesel
Potential Media Affected:	Other Groundwater (uses other than drinking water)
Site History:	The site was originally designated as POI 89 due to the suspected presence of contamination resulting from the operation of USTs. Two USTs were identified in this area, and removed in May of 1996. In January 2000, the Regional Water Quality Control Board (RWQCB) confirmed the completion of a site investigation and remedial action for the USTs formerly located at this location.
Begin Date:	1996-05-02 00:00:00
How Discovered:	Tank Closure
How Discovered Description:	Not reported

SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CENTER PACIFI (Continued) **U004268295**

Stop Method: Not reported
Stop Description: Not reported
Latitude: 32.7249363447991
Longitude: -117.21829533577
Geotracker: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607301860

G45
ESE
1/8-1/4
0.172 mi.
907 ft.

SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CEN — **UST** — **U004268277** **N/A**
NO. HARBOR DRIVE
SAN DIEGO, CA 92147

Site 3 of 3 in cluster G

Relative: **Lower**
Actual: **6 ft.**

MILITARY UST SITES:

Name: SAN DIEGO FLEET ANTISUBMARINE WARFARE TRAINING CENTER PACIFIC (FASWTC PAC) - BLDG 23
Address: NO. HARBOR DRIVE
City,State,Zip: SAN DIEGO, CA 921475199
Global ID: T0607301818
Case Type: Military UST Site
Status: Completed - Case Closed
Status Date: 02/10/1998
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT3055
Loc Case Number: H80003-002
File Location: Local Agency
Potential Contaminants of Concern: Diesel
Potential Media Affected: Soil
Site History: Not reported
Begin Date: 1995-03-17 00:00:00
How Discovered: Not reported
How Discovered Description: Not reported
Stop Method: Not reported
Stop Description: Not reported
Latitude: 32.7220570337353
Longitude: -117.217769622803
Geotracker: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607301818

46
NE
1/8-1/4
0.182 mi.
960 ft.

FLEET ANTI-SUB WARFARE TRAINING CENTER — **RESPONSE** **ENVIROSTOR** — **S101482012** **N/A**
N. HARBOR DR. & MCDONOUGH RD.
SAN DIEGO, CA 92106

Relative: **Higher**
Actual: **12 ft.**

RESPONSE:

Name: FLEET ANTI-SUB WARFARE TRAINING CENTER
Address: N. HARBOR DR. & MCDONOUGH RD.
City,State,Zip: SAN DIEGO, CA 92106
Facility ID: 37970021
Site Type: State Response
Site Type Detail: Open Base
Acres: 55
National Priorities List: NO

FLEET ANTI-SUB WARFARE TRAINING CENTER (Continued) **S101482012**

Cleanup Oversight Agencies:	RWQCB 9 - San Diego, SMBRP
Lead Agency Description:	Not reported
Project Manager:	Sara Michael
Supervisor:	Eileen Mananian
Division Branch:	Cleanup Cypress
Site Code:	400511
Site Mgmt. Req.:	NONE SPECIFIED
Assembly:	78
Senate:	39
Special Program Status:	Navy
Status:	Active
Status Date:	07/24/1997
Restricted Use:	NO
Funding:	DERA
Latitude:	32.72638
Longitude:	-117.2202
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC :	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	FASWTC SAN DIEGO
Alias Type:	Alternate Name
Alias Name:	CA7170090230
Alias Type:	EPA Identification Number
Alias Name:	DOD100156200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100156300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100156400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100157800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100157900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100159400
Alias Type:	GeoTracker Global ID
Alias Name:	T0607301620
Alias Type:	GeoTracker Global ID
Alias Name:	T0607301782
Alias Type:	GeoTracker Global ID
Alias Name:	T0607301817
Alias Type:	GeoTracker Global ID
Alias Name:	T0607301818
Alias Type:	GeoTracker Global ID
Alias Name:	T0607301819
Alias Type:	GeoTracker Global ID
Alias Name:	T0607301824
Alias Type:	GeoTracker Global ID
Alias Name:	T0607301860
Alias Type:	GeoTracker Global ID
Alias Name:	T0607302037
Alias Type:	GeoTracker Global ID
Alias Name:	T0607302412
Alias Type:	GeoTracker Global ID
Alias Name:	T0607302413
Alias Type:	GeoTracker Global ID

FLEET ANTI-SUB WARFARE TRAINING CENTER (Continued) **S101482012**

Alias Name:	T0607302717
Alias Type:	GeoTracker Global ID
Alias Name:	T0607322770
Alias Type:	GeoTracker Global ID
Alias Name:	T0607399219
Alias Type:	GeoTracker Global ID
Alias Name:	T0608127074
Alias Type:	GeoTracker Global ID
Alias Name:	T10000005014
Alias Type:	GeoTracker Global ID
Alias Name:	400511
Alias Type:	Project Code (Site Code)
Alias Name:	37970021
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	07/07/1992
Comments:	The PA was reviewed by Region 4 staff. Recommend PEARH be- cause: hazardous substances may have been released to sur- face water; there are nearby sensitive environments; and San Diego Bay is a fishery used for recreational purposes.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	06/04/2020
Comments:	Concurrence letter sent by email.

Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Remedial Investigation Report
Future Due Date:	2025
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Preliminary Assessment/Site Inspection Report (PA/SI)
Future Due Date:	2024
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

ENVIROSTOR:

Name:	FLEET ANTI-SUB WARFARE TRAINING CENTER
Address:	N. HARBOR DR. & MCDONOUGH RD.
City,State,Zip:	SAN DIEGO, CA 92106
Facility ID:	37970021
Status:	Active
Status Date:	07/24/1997
Site Code:	400511
Site Type:	State Response
Site Type Detailed:	Open Base
Acres:	55
NPL:	NO

FLEET ANTI-SUB WARFARE TRAINING CENTER (Continued) **S101482012**

Regulatory Agencies:	RWQCB 9 - San Diego, SMBRP
Lead Agency:	RWQCB 9 - San Diego,SMBRP
Program Manager:	Sara Michael
Supervisor:	Eileen Mananian
Division Branch:	Cleanup Cypress
Assembly:	78
Senate:	39
Special Program:	Navy
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	32.72638
Longitude:	-117.2202
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	FASWTC SAN DIEGO
Alias Type:	Alternate Name
Alias Name:	CA7170090230
Alias Type:	EPA Identification Number
Alias Name:	DOD100156200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100156300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100156400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100157800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100157900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100159400
Alias Type:	GeoTracker Global ID
Alias Name:	T0607301620
Alias Type:	GeoTracker Global ID
Alias Name:	T0607301782
Alias Type:	GeoTracker Global ID
Alias Name:	T0607301817
Alias Type:	GeoTracker Global ID
Alias Name:	T0607301818
Alias Type:	GeoTracker Global ID
Alias Name:	T0607301819
Alias Type:	GeoTracker Global ID
Alias Name:	T0607301824
Alias Type:	GeoTracker Global ID
Alias Name:	T0607301860
Alias Type:	GeoTracker Global ID
Alias Name:	T0607302037
Alias Type:	GeoTracker Global ID
Alias Name:	T0607302412
Alias Type:	GeoTracker Global ID
Alias Name:	T0607302413
Alias Type:	GeoTracker Global ID
Alias Name:	T0607302717
Alias Type:	GeoTracker Global ID
Alias Name:	T0607322770

FLEET ANTI-SUB WARFARE TRAINING CENTER (Continued) **S101482012**

Alias Type:	GeoTracker Global ID
Alias Name:	T0607399219
Alias Type:	GeoTracker Global ID
Alias Name:	T0608127074
Alias Type:	GeoTracker Global ID
Alias Name:	T10000005014
Alias Type:	GeoTracker Global ID
Alias Name:	400511
Alias Type:	Project Code (Site Code)
Alias Name:	37970021
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	07/07/1992
Comments:	The PA was reviewed by Region 4 staff. Recommend PEARH be- cause: hazardous substances may have been released to sur- face water; there are nearby sensitive environments; and San Diego Bay is a fishery used for recreational purposes.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	06/04/2020
Comments:	Concurrence letter sent by email.

Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Remedial Investigation Report
Future Due Date:	2025
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Preliminary Assessment/Site Inspection Report (PA/SI)
Future Due Date:	2024
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

J47
NNE
1/8-1/4
0.191 mi.
1009 ft.

SAN DIEGO NAVAL TRAINING CENTER (NTC - BRAC 93) -
BLDG 508
SAN DIEGO, CA 92133

Site 1 of 2 in cluster J

CERS TANKS **S123539783**
N/A

Relative:
Higher

Actual:
15 ft.

CERS TANKS:

Name:	SAN DIEGO NAVAL TRAINING CENTER (NTC - BRAC 93) - SITE 13- BUILDING 508 UST
Address:	BLDG 508
City,State,Zip:	SAN DIEGO, CA 92133
Site ID:	255168
CERS ID:	DOD100366700
CERS Description:	Military Underground Storage Tank Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker

SAN DIEGO NAVAL TRAINING CENTER (NTC - BRAC 93) - SITE 13- B (Continued) **S123539783**

Entity Name:	ISAAC HIRBAWI - DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Entity Title:	Not reported
Affiliation Address:	5796 Corporate Avenue
Affiliation City:	CYPRESS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	7144845445,
Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	KRISTIN SCHWALL - SAN DIEGO RWQCB (REGION 9)
Entity Title:	Not reported
Affiliation Address:	2375 Northside Drive
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6195213368,

J48
NNE
1/8-1/4
0.191 mi.
1009 ft.

SAN DIEGO NAVAL TRAINING CENTER (NTC - BRAC 93) -
BLDG 508
SAN DIEGO, CA 92133

Site 2 of 2 in cluster J

UST **U004266991**
N/A

Relative:
Higher

Actual:
15 ft.

MILITARY UST SITES:

Name:	SAN DIEGO NAVAL TRAINING CENTER (NTC - BRAC 93) - SITE 13- BUILDING 508 UST
Address:	BLDG 508
City,State,Zip:	SAN DIEGO, CA 92133
Global ID:	DOD100366700
Case Type:	Military UST Site
Status:	Completed - Case Closed
Status Date:	01/01/2008
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Case Worker:	KS
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	9UT3341
Loc Case Number:	H80021-012
File Location:	Regional Board
Potential Contaminants of Concern:	Diesel
Potential Media Affected:	Other Groundwater (uses other than drinking water), Soil
Site History:	Not reported
Begin Date:	2008-01-01 00:00:00
How Discovered:	Not reported
How Discovered Description:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
Latitude:	32.7270935106575
Longitude:	-117.221138477325
Geotracker:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=DOD100366700

Map ID / Direction / Distance / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
49 **NNW** **1/8-1/4** **0.193 mi.** **1021 ft.**	**HILLGREN HOLDINGS LLC KENTS/HARBORVILLE APARTMENTS** **2810 KEATS ST** **SAN DIEGO, CA 92106**	**RCRA NonGen / NLR**	**1024862549** **CAL000431067**

Relative: **Higher**

Actual: **12 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20170927
Handler Name:	HILLGREN HOLDINGS LLC KENTS/HARBORVILLE APARTMENTS
Handler Address:	2810 KEATS ST
Handler City,State,Zip:	SAN DIEGO, CA 92106
EPA ID:	CAL000431067
Contact Name:	GREGORY HILLGREN
Contact Address:	PO BOX 2527
Contact City,State,Zip:	RANCHO SANTA FE, CA 92067
Contact Telephone:	858-756-3010
Contact Fax:	858-756-6886
Contact Email:	GHILLGREN@CALVEST.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 2527
Mailing City,State,Zip:	RANCHO SANTA FE, CA 92067
Owner Name:	HILLGREN HOLDINGS LLC
Owner Type:	Other
Operator Name:	GREGORY HILLGREN
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

HILLGREN HOLDINGS LLC KENTS/HARBORVILLE APARTMENTS (Continued) **1024862549**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180907
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GREGORY HILLGREN
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 2527
Owner/Operator City,State,Zip:	RANCHO SANTA FE, CA 92067
Owner/Operator Telephone:	858-756-3010
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	HILLGREN HOLDINGS LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 2527
Owner/Operator City,State,Zip:	RANCHO SANTA FE, CA 92067
Owner/Operator Telephone:	858-756-3010
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

HILLGREN HOLDINGS LLC KENTS/HARBORVILLE APARTMENTS (Continued) **1024862549**

Historic Generators:

Receive Date:	20170927
Handler Name:	HILLGREN HOLDINGS LLC KENTS/HARBORVILLE APARTMENTS
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	531110
NAICS Description:	LESSORS OF RESIDENTIAL BUILDINGS AND DWELLINGS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

I50
ENE
1/8-1/4
0.198 mi.
1045 ft.

NBPL - MINE WARFARE TRAINING CENTER
BLDG 652
SAN DIEGO, CA 92147

CERS HAZ WASTE **S123501123**
CERS **N/A**

Site 3 of 3 in cluster I

Relative:
Higher

Actual:
12 ft.

CERS HAZ WASTE:

Name:	NBPL - MINE WARFARE TRAINING CENTER
Address:	BLDG 652
City,State,Zip:	SAN DIEGO, CA 92147
Site ID:	137550
CERS ID:	10393939
CERS Description:	Hazardous Waste Generator

CERS:

Name:	NBPL - MINE WARFARE TRAINING CENTER
Address:	BLDG 652
City,State,Zip:	SAN DIEGO, CA 92147
Site ID:	137550
CERS ID:	10393939
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-04-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Manese Michael Inspection ID:5507569
Eval Division:	San Diego County Department of Env Health
Eval Program:	HWLQG
Eval Source:	CERS,

NBPL - MINE WARFARE TRAINING CENTER (Continued) **S123501123**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-22-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Villena Elaine Inspection ID:5962365
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-27-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Quintong Sean Inspection ID:6798136
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-10-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kasprovich Christina Inspection ID:4096424
Eval Division:	San Diego County Department of Env Health
Eval Program:	HWLQG
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-04-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Manese Michael Inspection ID:5507569
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-27-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Quintong Sean Inspection ID:6798136
Eval Division:	San Diego County Department of Env Health
Eval Program:	HWLQG
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-10-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kasprovich Christina Inspection ID:4096424
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Affiliation:

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address

NBPL - MINE WARFARE TRAINING CENTER (Continued) **S123501123**

Entity Title:	Not reported
Affiliation Address:	750 Pacific Highway, GAF Floor 11, OF-1122
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92132
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Naval Base Point Loma (NBPL)
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Christina Graulau
Entity Title:	CNRSW Hazardous Waste Program Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Document Preparer
Entity Name:	Dan Perrin
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Installation Environmental Program Director
Entity Title:	Not reported
Affiliation Address:	140 Sylvester Rd. (Bldg 140, Room 236)
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92106
Affiliation Phone:	,

NBPL - MINE WARFARE TRAINING CENTER (Continued) **S123501123**

Affiliation Type Desc: Legal Owner
Entity Name: Commander Navy Region Southwest
Entity Title: Not reported
Affiliation Address: 750 Pacific Highway
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92132
Affiliation Phone: (619) 705-5219,

Affiliation Type Desc: Operator
Entity Name: NBPL - Mine Warfare Training Center
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (619) 524-0940,

---

51 **WNW** **1/8-1/4** **0.226 mi.** **1193 ft.**	**FISHERMAN'S LANDING INC** **2838 GARRISON ST** **SAN DIEGO, CA 92106**	**RCRA NonGen / NLR**	**1024796850** **CAL000180174**

Relative:
Higher

Actual:
9 ft.

RCRA NonGen / NLR:

Date Form Received by Agency: 19971208
Handler Name: FISHERMAN'S LANDING INC
Handler Address: 2838 GARRISON ST
Handler City,State,Zip: SAN DIEGO, CA 92106-0000
EPA ID: CAL000180174
Contact Name: ANDREW CORREIA
Contact Address: 2838 GARRISON ST
Contact City,State,Zip: SAN DIEGO, CA 92106
Contact Telephone: 619-221-8500
Contact Fax: 619-222-0799
Contact Email: FLDG@FISHERMANSLANDING.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 2838 GARRISON ST
Mailing City,State,Zip: SAN DIEGO, CA 92106-0000
Owner Name: FISHERMAN'S LANDING
Owner Type: Other
Operator Name: ANDREW CORREIA
Operator Type: Other
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No

FISHERMAN'S LANDING INC (Continued) **1024796850**

Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ANDREW CORREIA

FISHERMAN'S LANDING INC (Continued) **1024796850**

Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2838 GARRISON ST
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92106
Owner/Operator Telephone:	619-221-8500
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	FISHERMAN'S LANDING
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2838 GARRISON ST
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92106-0000
Owner/Operator Telephone:	619-221-8500
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19971208
Handler Name:	FISHERMAN'S LANDING INC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	48711
NAICS Description:	SCENIC AND SIGHTSEEING TRANSPORTATION, LAND

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

K52 **SAN DIEGO NAVAL TRAINING CENTER (NTC - DERA) - SIT** **CERS TANKS** **S123538747**
NNW **BLDG 344** **N/A**
1/8-1/4 **SAN DIEGO, CA 92106**
0.247 mi.
1306 ft. **Site 1 of 2 in cluster K**

Relative:
Higher
Actual:
15 ft.

CERS TANKS:

Name:	SAN DIEGO NAVAL TRAINING CENTER (NTC - DERA) - SITE 3 - BLDG 344 - NAVY EXCHANGE
Address:	BLDG 344
City,State,Zip:	SAN DIEGO, CA 92106
Site ID:	193802
CERS ID:	DOD100371400
CERS Description:	Military Underground Storage Tank Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	KRISTIN SCHWALL - SAN DIEGO RWQCB (REGION 9)
Entity Title:	Not reported
Affiliation Address:	2375 Northside Drive
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6195213368,

K53 **SAN DIEGO NAVAL TRAINING CENTER (NTC - DERA) - SIT** **UST** **U004266993**
NNW **BLDG 344** **N/A**
1/8-1/4 **SAN DIEGO, CA 92106**
0.247 mi.
1306 ft. **Site 2 of 2 in cluster K**

Relative:
Higher
Actual:
15 ft.

MILITARY UST SITES:

Name:	SAN DIEGO NAVAL TRAINING CENTER (NTC - DERA) - SITE 3 - BLDG 344 - NAVY EXCHANGE (NEX) GAS STATION
Address:	BLDG 344
City,State,Zip:	SAN DIEGO, CA 92106
Global ID:	DOD100371400
Case Type:	Military UST Site
Status:	Completed - Case Closed
Status Date:	12/12/2014
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Case Worker:	KS
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	16531-3
Loc Case Number:	H80021-004
File Location:	Regional Board
Potential Contaminants of Concern:	Gasoline, Waste Oil / Motor / Hydraulic / Lubricating
Potential Media Affected:	Other Groundwater (uses other than drinking water), Soil
Site History:	This is an active gasoline station at the corner of Nimitz and Decatur Road.
Begin Date:	1989-11-08 00:00:00
How Discovered:	Other Means
How Discovered Description:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
Latitude:	32.7280682797818
Longitude:	-117.224239110947
Geotracker:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=DOD1

SAN DIEGO NAVAL TRAINING CENTER (NTC - DERA) - SITE 3 - BLDG (Continued) **U004266993**

00371400

L54 **NW** **1/4-1/2** **0.272 mi.** **1438 ft.**	**THRIFTY #116** **1551 ROSECRANS** **SAN DIEGO, CA 92106** **Site 1 of 3 in cluster L**	**LUST** **CPS-SLIC** **HIST CORTESE** **SAN DIEGO CO LOP** **CERS**	**S103950695** **N/A**

Relative:
Higher

Actual:
12 ft.

LUST:

Name:	ARCO PSI# 9575
Address:	1551 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921062261
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607302341
Global Id:	T0607302341
Latitude:	32.7268092009887
Longitude:	-117.227031290531
Status:	Completed - Case Closed
Status Date:	11/03/2005
Case Worker:	Not reported
RB Case Number:	9UT3573
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	H14829-002
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0607302341
Action Type:	Other
Date:	06/18/1997
Action:	Leak Began
Global Id:	T0607302341
Action Type:	Other
Date:	11/26/1997
Action:	Leak Reported
Global Id:	T0607302341
Action Type:	ENFORCEMENT
Date:	12/15/1997
Action:	Notice of Responsibility
Global Id:	T0607302341
Action Type:	Other
Date:	12/12/1997
Action:	Leak Stopped
Global Id:	T0607302341
Action Type:	ENFORCEMENT
Date:	11/02/2005
Action:	Closure/No Further Action Letter
Global Id:	T0607302341
Action Type:	Other
Date:	06/18/1997

THRIFTY #116 (Continued) **S103950695**

Action:	Leak Discovery

LUST:

Global Id:	T0607302341
Status:	Open - Case Begin Date
Status Date:	06/18/1997
Global Id:	T0607302341
Status:	Completed - Case Closed
Status Date:	11/03/2005

CPS-SLIC:

Name:	ARCO PSI# 9575
Address:	1551 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921062261
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	12/12/1996
Global Id:	T0608158727
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H14829-001
Latitude:	32.726819
Longitude:	-117.2269
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

HIST CORTESE:

edr_fname:	THRIFTY #116
edr_fadd1:	1551 ROSECRANS
City,State,Zip:	SAN DIEGO, CA 92106
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT3573

SAN DIEGO CO LOP:

Name:	ARCO PSI# 9575
Address:	1551 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Record ID:	DEH1997-LSAM-H14829-002
Record Status:	Completed
Opened Date:	11/26/1997
Parcel Number:	530-753-13-00
Case Type:	LOP - Local Oversight Program
Historical Name:	THRIFTY #116
SWRCB Global ID:	T0607302341

THRIFTY #116 (Continued) **S103950695**

Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	12/15/1997
Census Tract:	214.00
Community:	San Diego
Jurisdiction:	SAN DIEGO
Watershed Basin Number:	908.1
Water Purveyor:	SAN DIEGO
Fire Agency:	SAN DIEGO
Latitude:	32.7267956
Longitude:	-117.2269199
X MapCoord:	6261226.271
Y MapCoord:	1845638.530

Name:	ARCO PSI# 9575
Address:	1551 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Record ID:	DEH1993-LSAM-H14829-001
Record Status:	Completed
Opened Date:	03/31/1993
Parcel Number:	530-753-13-00
Case Type:	Not reported
Historical Name:	THRIFTY OIL CO.
SWRCB Global ID:	T0608158727
Funding:	N - Non-Billable
Lead Agency:	DEH/SAM
Lead Agency Date:	03/31/1992
Census Tract:	214.00
Community:	San Diego
Jurisdiction:	SAN DIEGO
Watershed Basin Number:	908.1
Water Purveyor:	SAN DIEGO
Fire Agency:	SAN DIEGO
Latitude:	32.7267956
Longitude:	-117.2269199
X MapCoord:	6261226.271
Y MapCoord:	1845638.530

CERS:

Name:	ARCO PSI# 9575
Address:	1551 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921062261
Site ID:	242811
CERS ID:	T0608158727
CERS Description:	Cleanup Program Site

Name:	ARCO PSI# 9575
Address:	1551 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921062261
Site ID:	242811
CERS ID:	T0607302341
CERS Description:	Leaking Underground Storage Tank Cleanup Site

L55 **NW** **1/4-1/2** **0.272 mi.** **1438 ft.**	**ARCO PSI# 9575** **1551 ROSECRANS ST** **SAN DIEGO, CA 92106** **Site 2 of 3 in cluster L**	**SAN DIEGO CO. SAM** **Cortese**	**S108406954** **N/A**

Relative:
Higher

Actual:
12 ft.

SAN DIEGO CO. SAM:

Name: ARCO PSI# 9575
Address: 1551 ROSECRANS ST
City,State,Zip: SAN DIEGO, CA 921062261
Case Number: H14829-001
Agency: DEH Site Assessment & Mitigation
Funding: **Non Billable**
Facility Type: Failed Integrity Test
Facility Status: Closed Case
Date: 12/12/1996
Date Began: 12/1/1992

Name: ARCO PSI# 9575
Address: 1551 ROSECRANS ST
City,State,Zip: SAN DIEGO, CA 921062261
Case Number: H14829-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Closed Case
Date: 11/3/2005
Date Began: 6/18/1997

CORTESE:

Name: ARCO PSI# 9575
Address: 1551 ROSECRANS ST
City,State,Zip: SAN DIEGO, CA 921062261
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0607302341
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

L56	**THRIFTY #116**	**LUST**	**S103296825**
NW	**1551 ROSECRANS ST**	**San Diego Co. HMMD**	**N/A**
1/4-1/2	**SAN DIEGO, CA 92106**	**CERS HAZ WASTE**	
0.272 mi.		**SWEEPS UST**	
1438 ft.	**Site 3 of 3 in cluster L**	**CERS TANKS**	
Relative: Higher		**EMI**	
		CERS	
Actual: 12 ft.		**HWTS**	

LUST REG 9:

Region: 9
Status: Remediation Plan
Case Number: 9UT3573
Local Case: H14829-002
Substance: Unleaded Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Other Means
How Stopped: Not reported
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 06/18/1997
Date Stopped: 12/12/1997
Confirm Date: / /
Submit Workplan: 12/15/97
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: 12/12/1997
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 11/26/1997
Enforce Date: 12/15/97
Closed Date: Not reported
Enforce Type: SEL
Pilot Program: LOP
Basin Number: 908.10
GW Depth: Not reported
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: Medium priority
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HMMD SAN DIEGO:

Name: ARCO #9575
Address: 1551 ROSECRANS ST
City,State,Zip: SAN DIEGO, CA 92106
Permit Number: 114829
Business Type: 6HK28
EPA Id Number: CAR000106732
APN: 530-753-13-00
Last HMMD Inspection: 02/13/2012
Facility Telephone: 619-222-8919
Permit Status: CHNG

THRIFTY #116 (Continued) **S103296825**

Permit Expiration:	01/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	BP WEST COAST PRODUCTS LLC
Facility Mailing Address:	PO BOX 6038
Facility Mailing City:	ARTESIA
Facility Mailing State:	CA
Facility Mailing Zip:	90702-
UST Owner:	BP WEST COAST PRODUCTS LLC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 114829 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	114829
Tank Type:	SINGLE WALL
Additional Id:	116-1 UNLEADED
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1997-12-12 00:00:00
Year Installed:	1975-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 114829 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	114829
Tank Type:	SINGLE WALL
Additional Id:	116-2 UNLEADED
Capacity Gallons:	20000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1997-12-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 114829 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	114829
Tank Type:	SINGLE WALL
Additional Id:	116-3 UNLEADED
Capacity Gallons:	20000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED

THRIFTY #116 (Continued) **S103296825**

Reg Status:	REMOVED
Remove Close Date:	1997-12-12 00:00:00
Year Installed:	1978-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 114829 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	114829
Tank Type:	SINGLE WALL
Additional Id:	116-6 UNLEADED
Capacity Gallons:	8000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1997-12-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 114829 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	114829
Tank Type:	DOUBLE WALL
Additional Id:	NT1987, RT2823, RT3297, RT5463
Capacity Gallons:	20000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 114829 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	114829
Tank Type:	DOUBLE WALL
Additional Id:	NT1987, RT2823, RT3297
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A

THRIFTY #116 (Continued) **S103296825**

UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 114829 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	114829
Tank Type:	DOUBLE WALL
Additional Id:	NT1987, RT2823, RT3297, RT5463
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Name:	ARCO #9575
Address:	1551 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	114829
Business Type:	6HK28
EPA Id Number:	CAR000106732
APN:	530-753-13-00
Last HMMD Inspection:	02/13/2012
Facility Telephone:	619-222-8919
Permit Status:	CHNG
Permit Expiration:	01/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	BP WEST COAST PRODUCTS LLC
Facility Mailing Address:	PO BOX 6038
Facility Mailing City:	ARTESIA
Facility Mailing State:	CA
Facility Mailing Zip:	90702-
UST Owner:	BP WEST COAST PRODUCTS LLC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 114829 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	114829
Tank Type:	SINGLE WALL
Additional Id:	116-1 UNLEADED
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1997-12-12 00:00:00
Year Installed:	1975-01-01 00:00:00

THRIFTY #116 (Continued) **S103296825**

Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 114829 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	114829
Tank Type:	SINGLE WALL
Additional Id:	116-2 UNLEADED
Capacity Gallons:	20000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1997-12-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 114829 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	114829
Tank Type:	SINGLE WALL
Additional Id:	116-3 UNLEADED
Capacity Gallons:	20000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1997-12-12 00:00:00
Year Installed:	1978-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 114829 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	114829
Tank Type:	SINGLE WALL
Additional Id:	116-6 UNLEADED
Capacity Gallons:	8000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1997-12-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

THRIFTY #116 (Continued) **S103296825**

UST Name:	UNDERGROUND TANK 114829 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	114829
Tank Type:	DOUBLE WALL
Additional Id:	NT1987, RT2823, RT3297, RT5463
Capacity Gallons:	20000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 114829 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	114829
Tank Type:	DOUBLE WALL
Additional Id:	NT1987, RT2823, RT3297
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 114829 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	114829
Tank Type:	DOUBLE WALL
Additional Id:	NT1987, RT2823, RT3297, RT5463
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Name:	JACKSONS ENERGY #6834
Address:	1551 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	Not reported
Business Type:	Not reported

THRIFTY #116 (Continued) **S103296825**

EPA Id Number:	CAL000464561
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	619-223-1164
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	01/12/2022
Facility Owner:	Not reported
Facility Mailing Address:	3450 E. COMMERCIAL COURT, MERIDIAN, ID 83642
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	Y
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2012-HUPFP-217000
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-217000
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6055091
Return To Compliance Date:	2019-01-02T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	23674
Container/Tank Id:	Not reported
Last Update:	2022-01-12T01:53:57.000
Inspection Date:	2019-01-02T16:07:53.000
Violation Code:	2030036 (TCR 9b) Failure to comply with one or more of the following overfill prevention equipment requirements: 1. Alert the transfer operator when the tank is 90% full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30m before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95% of capacity and activate an audible alarm at least 5m before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95% of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. 5. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. 6. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. 7. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. 8. Inspected within 30 days after a repair to the overfill prevention equipment. 9. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. 10. Inspected by a certified UST service technician. 11.

THRIFTY #116 (Continued) **S103296825**

Maintain records of overfill prevention equipment inspection for 36 months. 23 CCR 2635(c)(1), 2635(d), 2637.2(a-c), 2665, 2712(b)(1)(G)

Record ID:	DEH2012-HUPFP-217000
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-217000
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5223455
Return To Compliance Date:	2016-01-06T00:00:00.000
Nov:	No
Violation Classification:	Class I
Underground Storage Tank Id:	23675
Container/Tank Id:	Not reported
Last Update:	2022-01-12T01:53:57.000
Inspection Date:	2016-01-06T08:05:42.000
Violation Code:	2030016 (RD) Failure to continuously monitor the interstitial space of the tank, piping and/or sumps such that the leak detection activates an audible/visual alarm when a leak is detected. 23 CCR 2631(g), 2632(c)(2)(A)&(B), 2633(c), 2636(f)

Record ID:	DEH2012-HUPFP-217000
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-217000
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5831564
Return To Compliance Date:	2018-01-02T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	23675
Container/Tank Id:	Not reported
Last Update:	2022-01-12T01:53:57.000
Inspection Date:	2018-01-02T11:50:26.000
Violation Code:	2060020 (RP) Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket, have a minimum capacity of 5 gallons, have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container, and/or be resistant to galvanic corrosion. 23 CCR 2635(b), 2665

Record ID:	DEH2012-HUPFP-217000
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-217000
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5161033
Return To Compliance Date:	2015-01-07T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	23675
Container/Tank Id:	Not reported
Last Update:	2022-01-12T01:53:57.000
Inspection Date:	2015-01-07T00:00:00.000

THRIFTY #116 (Continued) **S103296825**

Violation Code:	2030060 Failure to maintain entry fitting such that it properly seals to the containment. 23 CCR 16 2630, 2635(d), 2636(c), 2666.
Record ID:	DEH2012-HUPFP-217000
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-217000
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5161033
Return To Compliance Date:	2015-01-07T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	23675
Container/Tank Id:	Not reported
Last Update:	2022-01-12T01:53:57.000
Inspection Date:	2015-01-07T00:00:00.000
Violation Code:	2030008 Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid. HSC 6.7 25290.1, 25290.2, 25291.

UST DTL:

Record ID:	DEH2012-HUPFP-217000
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-217000
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	MULTI-SITE MANAGEMENT LLC
Tankid:	23674
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	1a
Piping System Type:	Pressure
Last Updated:	2022-01-12T01:53:57.000
Tank Capacityin Gallons:	20000
Tank Contents:	Regular Unleaded
Type Of Tank:	Double Wall
Record ID:	DEH2012-HUPFP-217000
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-217000
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	MULTI-SITE MANAGEMENT LLC
Tankid:	23675
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	1a
Piping System Type:	Pressure
Last Updated:	2022-01-12T01:53:57.000
Tank Capacityin Gallons:	10000
Tank Contents:	Regular Unleaded
Type Of Tank:	Double Wall
Record ID:	DEH2012-HUPFP-217000
Permit Status:	Permit Renewed
Active Permit:	Y

THRIFTY #116 (Continued) **S103296825**

Facility Id Number: 37-000-217000
Facility Type (Ust Facility): Motor Vehicle Fueling
Tank Owner Name: MULTI-SITE MANAGEMENT LLC
Tankid: 23676
Tank Status: Active
Date Ust Permanently Closed: Not reported
Tank Use: 1a
Piping System Type: Pressure
Last Updated: 2022-01-12T01:53:57.000
Tank Capacityin Gallons: 10000
Tank Contents: Premium Unleaded
Type Of Tank: Double Wall

Waste and Materials:
Record ID: DEH2012-HUPFP-217000
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0192298
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-04-19T17:11:31.000
Chemical Name: GASOLINE
Common Name: GASOLINE (GRADE: REGULAR & PREMIUM)
Case Number: 86290-81-5

Record ID: DEH2012-HUPFP-217000
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166336
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-04-19T17:11:31.000
Chemical Name: Not reported
Common Name: SUMP WASTE CLEAN-UP, TEST WATER
Case Number: Not reported

Record ID: DEH2012-HUPFP-217000
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0283925
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-01-12T01:53:57.000
Chemical Name: Not reported
Common Name: SUMP WASTE CLEAN-UP, TEST WATER
Case Number: Not reported

Record ID: DEH2012-HUPFP-217000
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0283926
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-01-12T01:53:57.000
Chemical Name: Not reported
Common Name: WASTE ABSORBENT & SPENT DISPENSER FUEL FILTERS
Case Number: Not reported

THRIFTY #116 (Continued) **S103296825**

Record ID:	DEH2012-HUPFP-217000
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HCHEM-0301479
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-06-12T01:29:21.000
Chemical Name:	GASOLINE
Common Name:	GASOLINE (GRADE: REGULAR & PREMIUM)
Case Number:	86290-81-5

Record ID:	DEH2012-HUPFP-217000
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0269262
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-06-12T01:29:21.000
Chemical Name:	Not reported
Common Name:	SUMP WASTE CLEAN-UP, TEST WATER
Case Number:	Not reported

Record ID:	DEH2012-HUPFP-217000
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0269263
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-06-12T01:29:21.000
Chemical Name:	Not reported
Common Name:	WASTE ABSORBENT & SPENT DISPENSER FUEL FILTERS
Case Number:	Not reported

Record ID:	DEH2012-HUPFP-217000
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317018
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2022-01-12T01:53:57.000
Chemical Name:	GASOLINE
Common Name:	GASOLINE (GRADE: REGULAR & PREMIUM)
Case Number:	86290-81-5

Record ID:	DEH2012-HUPFP-217000
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0143154
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-05-09T14:38:02.000
Chemical Name:	GASOLINE
Common Name:	GASOLINE (GRADE: REGULAR & PREMIUM)
Case Number:	86290-81-5

Record ID:	DEH2012-HUPFP-217000
Permit Status:	Permit Renewed

THRIFTY #116 (Continued) **S103296825**

Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0121815
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-05-09T14:38:02.000
Chemical Name:	Not reported
Common Name:	SUMP WASTE CLEAN-UP, TEST WATER
Case Number:	Not reported

Record ID:	DEH2012-HUPFP-217000
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0226359
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2020-04-28T01:18:57.000
Chemical Name:	GASOLINE
Common Name:	GASOLINE (GRADE: REGULAR & PREMIUM)
Case Number:	86290-81-5

Record ID:	DEH2012-HUPFP-217000
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0195863
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-04-28T01:18:57.000
Chemical Name:	Not reported
Common Name:	SUMP WASTE CLEAN-UP, TEST WATER
Case Number:	Not reported

Record ID:	DEH2012-HUPFP-217000
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0195864
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-04-28T01:18:57.000
Chemical Name:	Not reported
Common Name:	WASTE ABSORBENT & SPENT DISPENSER FUEL FILTERS
Case Number:	Not reported

Record ID:	DEH2012-HUPFP-217000
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0100466
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2016-12-29T02:31:45.000
Chemical Name:	GASOLINE
Common Name:	GASOLINE (GRADE: REGULAR & PREMIUM)
Case Number:	86290-81-5

Record ID:	DEH2012-HUPFP-217000
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HWAST-0082347

THRIFTY #116 (Continued) **S103296825**

Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2016-12-29T02:31:45.000
Chemical Name:	Not reported
Common Name:	SUMP WASTE CLEAN-UP, TEST WATER
Case Number:	Not reported

Record ID:	DEH2012-HUPFP-217000
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HWAST-0082348
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2016-12-29T02:31:45.000
Chemical Name:	Not reported
Common Name:	WASTE ABSORBENT & SPENT DISPENSER FUEL FILTERS
Case Number:	Not reported

Record ID:	DEH2012-HUPFP-217000
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0267449
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-02-18T02:45:57.000
Chemical Name:	GASOLINE
Common Name:	GASOLINE (GRADE: REGULAR & PREMIUM)
Case Number:	86290-81-5

Record ID:	DEH2012-HUPFP-217000
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0237886
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-02-18T02:45:57.000
Chemical Name:	Not reported
Common Name:	WASTE ABSORBENT & SPENT DISPENSER FUEL FILTERS
Case Number:	Not reported

Record ID:	DEH2012-HUPFP-217000
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0237887
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-02-18T02:45:57.000
Chemical Name:	Not reported
Common Name:	SUMP WASTE CLEAN-UP, TEST WATER
Case Number:	Not reported

Record ID:	DEH2012-HUPFP-217000
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0121816
Trade Secret:	N
Hazardous Material Type:	Not reported

THRIFTY #116 (Continued) **S103296825**

Last Updated: 2018-05-09T14:38:02.000
Chemical Name: Not reported
Common Name: WASTE ABSORBENT & SPENT DISPENSER FUEL FILTERS
Case Number: Not reported

Record ID: DEH2012-HUPFP-217000
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166337
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-04-19T17:11:31.000
Chemical Name: Not reported
Common Name: WASTE ABSORBENT & SPENT DISPENSER FUEL FILTERS
Case Number: Not reported

CERS HAZ WASTE:

Name: JACKSONS ENERGY #6834
Address: 1551 ROSECRANS ST
City,State,Zip: SAN DIEGO, CA 92106
Site ID: 74557
CERS ID: 10382707
CERS Description: Hazardous Waste Generator

SWEEPS UST:

Name: THRIFTY OIL STN #116
Address: 1551 ROSECRANS ST
City: SAN DIEGO
Status: Active
Comp Number: 14829
Number: 9
Board Of Equalization: 44-007386
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-014829-000001
Tank Status: A
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 4

Name: THRIFTY OIL STN #116
Address: 1551 ROSECRANS ST
City: SAN DIEGO
Status: Active
Comp Number: 14829
Number: 9
Board Of Equalization: 44-007386
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88

THRIFTY #116 (Continued) **S103296825**

Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-014829-000002
Tank Status:	A
Capacity:	20000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Name:	THRIFTY OIL STN #116
Address:	1551 ROSECRANS ST
City:	SAN DIEGO
Status:	Active
Comp Number:	14829
Number:	9
Board Of Equalization:	44-007386
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-014829-000003
Tank Status:	A
Capacity:	20000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Name:	THRIFTY OIL STN #116
Address:	1551 ROSECRANS ST
City:	SAN DIEGO
Status:	Active
Comp Number:	14829
Number:	9
Board Of Equalization:	44-007386
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-014829-000004
Tank Status:	A
Capacity:	8000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

CERS TANKS:

Name:	JACKSONS ENERGY #6834
Address:	1551 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Site ID:	74557
CERS ID:	10382707
CERS Description:	Underground Storage Tank

THRIFTY #116 (Continued) **S103296825**

EMI:

Name:	ARCO #9575
Address:	1551 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921062261
Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	1463
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARCO #9575
Address:	1551 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921062261
Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	1463
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARCO #9575
Address:	1551 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921062261
Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	1463
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0

THRIFTY #116 (Continued) **S103296825**

SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0
Name:	ARCO #9575
Address:	1551 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921062261
Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	1463
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0
Name:	ARCO #9575
Address:	1551 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921062261
Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	1463
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0
Name:	ARCO #9575
Address:	1551 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921062261
Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	1463
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.6520984

THRIFTY #116 (Continued) **S103296825**

Reactive Organic Gases Tons/Yr:	2.6520984
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARCO #9575
Address:	1551 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921062261
Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	1463
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.6520984
Reactive Organic Gases Tons/Yr:	2.6520984
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARCO #9575
Address:	1551 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921062261
Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	1463
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.82
Reactive Organic Gases Tons/Yr:	2.82
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARCO #9575
Address:	1551 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921062261
Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	1463
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD

THRIFTY #116 (Continued) **S103296825**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.82
Reactive Organic Gases Tons/Yr:	2.82
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARCO #9575
Address:	1551 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	1463
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.82
Reactive Organic Gases Tons/Yr:	2.82
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARCO #9575
Address:	1551 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	1463
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.8199999999999998
Reactive Organic Gases Tons/Yr:	2.8199999999999998
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARCO #9575
Address:	1551 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	1463

THRIFTY #116 (Continued) **S103296825**

Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.8199999999999998
Reactive Organic Gases Tons/Yr:	2.8199999999999998
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARCO #9575
Address:	1551 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	1463
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.82
Reactive Organic Gases Tons/Yr:	2.82
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARCO #9575
Address:	1551 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2012
County Code:	37
Air Basin:	SD
Facility ID:	1463
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.82
Reactive Organic Gases Tons/Yr:	2.82
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARCO #9575
Address:	1551 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2013

THRIFTY #116 (Continued) **S103296825**

County Code:	37
Air Basin:	SD
Facility ID:	1463
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.82
Reactive Organic Gases Tons/Yr:	2.82
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARCO #9575
Address:	1551 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2014
County Code:	37
Air Basin:	SD
Facility ID:	1463
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.82
Reactive Organic Gases Tons/Yr:	2.82
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARCO #9575
Address:	1551 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2015
County Code:	37
Air Basin:	SD
Facility ID:	1463
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.82
Reactive Organic Gases Tons/Yr:	2.82
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ARCO #9575

THRIFTY #116 (Continued) **S103296825**

Address:	1551 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2016
County Code:	37
Air Basin:	SD
Facility ID:	1463
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.82
Reactive Organic Gases Tons/Yr:	2.82
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	ARCO #9575
Address:	1551 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2017
County Code:	37
Air Basin:	SD
Facility ID:	1463
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.82
Reactive Organic Gases Tons/Yr:	2.82
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	ARCO #9575
Address:	1551 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2018
County Code:	37
Air Basin:	SD
Facility ID:	1463
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.82
Reactive Organic Gases Tons/Yr:	2.82
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported

THRIFTY #116 (Continued) **S103296825**

Part. Matter 10 Micrometers and Smllr Tons/Yr: Not reported

Name:	ARCO #9575
Address:	1551 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2019
County Code:	37
Air Basin:	SD
Facility ID:	1463
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.82
Reactive Organic Gases Tons/Yr:	2.82
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

CERS:

Name:	JACKSONS ENERGY #6834
Address:	1551 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Site ID:	74557
CERS ID:	10382707
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	74557
Site Name:	JACKSONS ENERGY #6834
Violation Date:	01-07-2015
Citation:	23 CCR 16 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666
Violation Description:	Failure to maintain entry fitting such that it properly seals to the containment.
Violation Notes:	Returned to compliance on 01/07/2015.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,

Site ID:	74557
Site Name:	JACKSONS ENERGY #6834
Violation Date:	01-07-2015
Citation:	HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description:	Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes:	Returned to compliance on 01/07/2015.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,

Site ID:	74557
Site Name:	JACKSONS ENERGY #6834

THRIFTY #116 (Continued) **S103296825**

Violation Date:	01-02-2019
Citation:	23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description:	Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Violation Notes:	Returned to compliance on 01/02/2019. Inspection Sequence ID:6055091;Tank ID:23674,23675,23676;Violation Description:(TCR 9b) Failure to comply with one or more of the following overfill prevention equipment requirements: 1. Alert the transfer operator when the tank is 90% full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30m before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95% of capacity and activate an audible alarm at least 5m before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95% of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. 5. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prev
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,

Site ID:	74557
Site Name:	JACKSONS ENERGY #6834
Violation Date:	01-02-2018
Citation:	23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description:	Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container. Be resistant to galvanic corrosion.

THRIFTY #116 (Continued) **S103296825**

Violation Notes:	Returned to compliance on 01/02/2018.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	74557
Site Name:	JACKSONS ENERGY #6834
Violation Date:	01-06-2016
Citation:	23 CCR 16 2636(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)
Violation Description:	Failure to continuously monitor the interstitial space of the tank, piping and/or sumps sump such that the leak detection activates an audible/visual alarm when a leak is detected.
Violation Notes:	Returned to compliance on 01/06/2016.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-02-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Archer Veronica Inspection ID:5831564
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-02-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Archer Veronica Inspection ID:6055091
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-06-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kiener Michael Inspection ID:5223455
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-04-2022
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Chavarin Yvonne Inspection ID:6849484
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-05-2017

THRIFTY #116 (Continued) **S103296825**

Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kiener Michael Inspection ID:5561141
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-07-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kiener Michael Inspection ID:5161033
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-30-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Garchitorena Bobby Inspection ID:4967017
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-30-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Garchitorena Bobby Inspection ID:4967017
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-02-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Archer Veronica Inspection ID:5831564
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-02-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Archer Veronica Inspection ID:6055091
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-02-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Archer Veronica Inspection ID:6055091

THRIFTY #116 (Continued) **S103296825**

Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-04-2022
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Chavarin Yvonne Inspection ID:6849484
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-06-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kiener Michael Inspection ID:5223455
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-06-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kiener Michael Inspection ID:5223455
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-30-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Garchitorena Bobby Inspection ID:4967017
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-02-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Archer Veronica Inspection ID:5831564
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-04-2022
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Chavarin Yvonne Inspection ID:6849484
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

THRIFTY #116 (Continued) **S103296825**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-05-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kiener Michael Inspection ID:5561141
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-05-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kiener Michael Inspection ID:5561141
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-07-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kiener Michael Inspection ID:5161033
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-07-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kiener Michael Inspection ID:5161033
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-08-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Villena Elaine Inspection ID:6404209
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	01-22-2021
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	"No On-site Inspection" Inspector: Villena Elaine Inspection ID:6574517
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,

Coordinates:

Site ID:	74557

THRIFTY #116 (Continued) **S103296825**

Facility Name:	JACKSONS ENERGY #6834
Env Int Type Code:	HWG
Program ID:	10382707
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	32.726800
Longitude:	-117.226920

Affiliation:

Affiliation Type Desc:	UST Property Owner Name
Entity Name:	Thrifty Oil Co.
Entity Title:	Not reported
Affiliation Address:	13116 IMPERIAL HWY
Affiliation City:	SANTA FE SPRINGS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90670
Affiliation Phone:	(562) 921-3581,

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,

Affiliation Type Desc:	Property Owner
Entity Name:	Thrifty Oil Co.
Entity Title:	Not reported
Affiliation Address:	13116 IMPERIAL HIGHWAY
Affiliation City:	SANTA FE SPRINGS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90670
Affiliation Phone:	(562) 921-3581,

Affiliation Type Desc:	UST Tank Operator
Entity Name:	MULTI-SITE MANAGEMENT LLC
Entity Title:	Not reported
Affiliation Address:	1551 ROSECRANS ST
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92106
Affiliation Phone:	(760) 518-8568,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	3450 E. COMMERCIAL COURT
Affiliation City:	MERIDIAN
Affiliation State:	ID
Affiliation Country:	Not reported
Affiliation Zip:	83642

THRIFTY #116 (Continued) **S103296825**

Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	JACKSONS ENERGY
Entity Title:	Not reported
Affiliation Address:	3450 E. COMMERCIAL COURT
Affiliation City:	MERIDIAN
Affiliation State:	ID
Affiliation Country:	United States
Affiliation Zip:	83642
Affiliation Phone:	(208) 888-6061,
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	TERESA A. MILES
Entity Title:	ENVIRONMENTAL COMPLIANCE SUPERVISOR
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(562) 495-6850,
Affiliation Type Desc:	UST Tank Owner
Entity Name:	Thrifty Oil Co.
Entity Title:	Not reported
Affiliation Address:	13116 IMPERIAL HWY
Affiliation City:	SANTA FE SPRINGS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90670
Affiliation Phone:	(562) 921-3581,
Affiliation Type Desc:	Document Preparer
Entity Name:	BELSHIRE ENVIRONMENTAL SERVICES, INC.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Richard Wright
Entity Title:	Not reported
Affiliation Address:	3450 E. COMMERCIAL COURT
Affiliation City:	MERIDIAN
Affiliation State:	ID
Affiliation Country:	Not reported
Affiliation Zip:	83642
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	RICHARD WRIGHT
Entity Title:	ENVIRONMENTAL MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported

THRIFTY #116 (Continued) **S103296825**

Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: MULTI-SITE MANAGEMENT LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (760) 518-8568,

Affiliation Type Desc: Parent Corporation
Entity Name: Jacksons Food Stores, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

HWTS:
Name: JACKSONS ENERGY #6834
Address: 1551 ROSECRANS ST
Address 2: Not reported
City,State,Zip: SAN DIEGO, CA 92106
EPA ID: CAL000464561
Inactive Date: Not reported
Create Date: 08/04/2021
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 3450 E COMMERCIAL CT
Mailing Address 2: Not reported
Mailing City,State,Zip: MERIDIAN, ID 83642
Owner Name: JOHN JACKSON
Owner Address: 3450 E COMMERCIAL CT
Owner Address 2: Not reported
Owner City,State,Zip: MERIDIAN, ID 83642
Contact Name: RICHARD WRIGHT
Contact Address: 3450 E COMMERCIAL CT
Contact Address 2: Not reported
City,State,Zip: MERIDIAN, ID 83642
Facility Status: Active
Facility Type: PERMANENT
Category: STATE
Latitude: 32.72683601
Longitude: -117.226939

M57 **SSW** **1/4-1/2** **0.291 mi.** **1537 ft.** **Relative:** **Lower** **Actual:** **1 ft.**	**NIELSEN BEAUMONT MARINE, SAN DIEGO BAY** **2420 SHELTER ISLAND DRIVE** **SAN DIEGO, CA 92106** **Site 1 of 8 in cluster M**	**CPS-SLIC** **San Diego Co. HMMD** **CERS HAZ WASTE** **CHMIRS** **EMI** **ENF** **HAZNET** **HIST CORTESE** **NPDES** **CIWQS** **CERS** **HWTS**	**S103959755** **N/A**

CPS-SLIC:

Name:	COMMERCIAL BASIN (AMERICA'S CUP HARBOR) - MAURICIO & SONS, INC. - BOATYARD SEDIMENT CLEANUP
Address:	2420 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	12/01/1999
Global Id:	SL189014174
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number:	Not reported
Latitude:	32.7200288166916
Longitude:	-117.22511579895
Case Type:	Cleanup Program Site
Case Worker:	DTB
Local Agency:	Not reported
RB Case Number:	18901
File Location:	Regional Board
Potential Media Affected:	Sediments
Potential Contaminants of Concern:	Not reported
Site History:	This case is part of the Commercial Basin Boatyard Sediment Cleanup Site. The boatyards contributed tributyltin (TBT) and metals to sediments in the Commercial Basin. Sediments were dredged and clean up levels were met at that time and the case closed.

Click here to access the California GeoTracker records for this facility:

HMMD SAN DIEGO:

Name:	NIELSEN/BEAUMONT INC
Address:	2420 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	Cal000022440
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	619-222-4255
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	04/27/2021
Facility Owner:	Not reported
Facility Mailing Address:	2420 SHELTER ISLAND DR, SAN DIEGO, CA 92106-3112
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-109676
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4093869
Return To Compliance Date:	2015-02-17T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-04-27T00:00:00.000
Inspection Date:	2015-02-09T00:00:00.000
Violation Code:	1010003 Owner/Operator failed to complete and/or submit the Business Activities Page and/or Business Owner Operator Identification Page; 19 CCR 4 2729.2(a)(1).

Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-109676
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4093869
Return To Compliance Date:	2015-02-17T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-04-27T00:00:00.000
Inspection Date:	2015-02-09T00:00:00.000
Violation Code:	1010002 Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet; HSC 6.95 25508(a)1A

Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-109676
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4093869
Return To Compliance Date:	2015-02-17T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-04-27T00:00:00.000

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Inspection Date:	2015-02-09T00:00:00.000
Violation Code:	1010008 Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date. For facilities with invenntory that exceed EPCRA thresholds; failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages HSC 6.95 25508.2 / 19 CCR 4 2729.5(c)

Waste and Materials:

Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0127206
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-04-27T02:31:53.000
Chemical Name:	PROPANE
Common Name:	PROPANE
Case Number:	68476-85-7

Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0127207
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-04-27T02:31:53.000
Chemical Name:	Oxygen
Common Name:	Oxygen
Case Number:	7782-44-7

Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0106187
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-04-27T02:31:53.000
Chemical Name:	WASTE 451 DEGREASING SLUDGE
Common Name:	SUMP SLUDGE FROM CLARIFIER
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0106188
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-04-27T02:31:53.000
Chemical Name:	WASTE 221 WASTE OIL & MIXED OIL
Common Name:	USED OIL
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0106189
Trade Secret:	N

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Hazardous Material Type: Not reported
Last Updated: 2018-04-27T02:31:53.000
Chemical Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Common Name: PARTS WASHER
Case Number: Not reported

Record ID: DEH2002-HUPFP-109676
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0106190
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T02:31:53.000
Chemical Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Common Name: USED ANTIFREEZE
Case Number: Not reported

Record ID: DEH2002-HUPFP-109676
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0106191
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T02:31:53.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: ABSORBANTS/RAGS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109676
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0106192
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T02:31:53.000
Chemical Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Common Name: BILGE WATER
Case Number: Not reported

Record ID: DEH2002-HUPFP-109676
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0106193
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T02:31:53.000
Chemical Name: WASTE 461 PAINT SLUDGE
Common Name: WASTE 461 PAINT SLUDGE
Case Number: Not reported

Record ID: DEH2002-HUPFP-109676
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0106194
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-27T02:31:53.000

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Chemical Name:	WASTE 591 BAGHOUSE WASTE
Common Name:	SANDBLST WST - SILICA SAND
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0106195
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-04-27T02:31:53.000
Chemical Name:	Contaminated Diesel Fuel
Common Name:	Contaminated Diesel Fuel
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0106196
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-04-27T02:31:53.000
Chemical Name:	Contaminated Gasoline
Common Name:	Contaminated Gasoline
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0191695
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-08-22T03:32:21.000
Chemical Name:	PROPANE
Common Name:	PROPANE
Case Number:	68476-85-7
Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0191696
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-08-22T03:32:21.000
Chemical Name:	Oxygen
Common Name:	Oxygen
Case Number:	7782-44-7
Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0165901
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-08-22T03:32:21.000
Chemical Name:	WASTE 451 DEGREASING SLUDGE
Common Name:	SUMP SLUDGE FROM CLARIFIER

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Case Number: Not reported

Record ID: DEH2002-HUPFP-109676
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0165902
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-08-22T03:32:21.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: USED OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-109676
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0165903
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-08-22T03:32:21.000
Chemical Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Common Name: PARTS WASHER
Case Number: Not reported

Record ID: DEH2002-HUPFP-109676
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0165904
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-08-22T03:32:21.000
Chemical Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Common Name: USED ANTIFREEZE
Case Number: Not reported

Record ID: DEH2002-HUPFP-109676
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0165905
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-08-22T03:32:21.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: ABSORBANTS/RAGS
Case Number: Not reported

Record ID: DEH2002-HUPFP-109676
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0165906
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-08-22T03:32:21.000
Chemical Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Common Name: BILGE WATER
Case Number: Not reported

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Record ID: DEH2002-HUPFP-109676
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0165907
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-08-22T03:32:21.000
Chemical Name: WASTE 461 PAINT SLUDGE
Common Name: WASTE 461 PAINT SLUDGE
Case Number: Not reported

Record ID: DEH2002-HUPFP-109676
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0165908
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-08-22T03:32:21.000
Chemical Name: WASTE 591 BAGHOUSE WASTE
Common Name: SANDBLST WST - SILICA SAND
Case Number: Not reported

Record ID: DEH2002-HUPFP-109676
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0165909
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-08-22T03:32:21.000
Chemical Name: Contaminated Diesel Fuel
Common Name: Contaminated Diesel Fuel
Case Number: Not reported

Record ID: DEH2002-HUPFP-109676
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0165910
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-08-22T03:32:21.000
Chemical Name: Contaminated Gasoline
Common Name: Contaminated Gasoline
Case Number: Not reported

Record ID: DEH2002-HUPFP-109676
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0194995
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-09-19T01:20:48.000
Chemical Name: PROPANE
Common Name: PROPANE
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-109676
Permit Status: Permit Renewed

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0168136
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-09-19T01:20:49.000
Chemical Name:	WASTE 451 DEGREASING SLUDGE
Common Name:	SUMP SLUDGE FROM CLARIFIER
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0168137
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-09-19T01:20:49.000
Chemical Name:	WASTE 221 WASTE OIL & MIXED OIL
Common Name:	USED OIL
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0168138
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-09-19T01:20:49.000
Chemical Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL’N
Common Name:	PARTS WASHER
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0168139
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-09-19T01:20:49.000
Chemical Name:	Ethylene Glycol
Common Name:	Ethylene Glycol
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0168140
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-09-19T01:20:49.000
Chemical Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name:	ABSORBANTS/RAGS
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0168141

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-09-19T01:20:49.000
Chemical Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Common Name:	BILGE WATER
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0168142
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-09-19T01:20:49.000
Chemical Name:	2-Butanone
Common Name:	Methyl Ethyl ketone
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0168143
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-09-19T01:20:49.000
Chemical Name:	WASTE 591 BAGHOUSE WASTE
Common Name:	SANDBLST WST - SILICA SAND
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0168144
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-09-19T01:20:49.000
Chemical Name:	Diesel Fuel
Common Name:	Diesel Fuel
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0168145
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-09-19T01:20:49.000
Chemical Name:	Gasoline
Common Name:	Gasoline
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0191165
Trade Secret:	N
Hazardous Material Type:	Not reported

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Last Updated:	2021-04-27T02:38:49.000
Chemical Name:	WASTE 451 DEGREASING SLUDGE
Common Name:	SUMP SLUDGE FROM CLARIFIER
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0191166
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-04-27T02:38:49.000
Chemical Name:	WASTE 221 WASTE OIL & MIXED OIL
Common Name:	USED OIL
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0191167
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-04-27T02:38:49.000
Chemical Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL’N
Common Name:	PARTS WASHER
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0191168
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-04-27T02:38:49.000
Chemical Name:	Ethylene Glycol
Common Name:	Ethylene Glycol
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0191169
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-04-27T02:38:49.000
Chemical Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name:	ABSORBENTS/RAGS/OIL FILTERS
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0191170
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-04-27T02:38:49.000
Chemical Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Common Name:	BILGE WATER
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0191171
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-04-27T02:38:49.000
Chemical Name:	2-Butanone
Common Name:	Methyl Ethyl ketone
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0191172
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-04-27T02:38:49.000
Chemical Name:	WASTE 591 BAGHOUSE WASTE
Common Name:	SANDBLST WST - SILICA SAND
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0191174
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-04-27T02:38:49.000
Chemical Name:	Gasoline
Common Name:	Gasoline
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0221382
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-04-27T02:38:49.000
Chemical Name:	PROPANE
Common Name:	PROPANE
Case Number:	74-98-6
Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0221383
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-04-27T02:38:49.000
Chemical Name:	Oxygen
Common Name:	Oxygen
Case Number:	7782-44-7

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0191173
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-04-27T02:38:49.000
Chemical Name:	Diesel Fuel
Common Name:	Diesel Fuel
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-109676
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0194996
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-09-19T01:20:48.000
Chemical Name:	Oxygen
Common Name:	Oxygen
Case Number:	7782-44-7

Name:	NIELSEN/BEAUMONT INC
Address:	2420 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	109676
Business Type:	6HK33
EPA Id Number:	CAL000022440
APN:	760-003-29-00
Last HMMD Inspection:	05/05/2011
Facility Telephone:	619-222-4255
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	DON BEAUMONT & TOM NIESEN
Facility Mailing Address:	2420 SHELTER ISLAND DR
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92106-3112
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	109676
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Permit Number:	109676
Update Date:	11/02/2012
Case Number:	7440-37-1
Name:	AIR, COMPRESSED
Other Information:	ARGON 75%/CO2 25%
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Permit Number:	109676
Update Date:	11/02/2012
Case Number:	7440-37-1
Name:	ARGON GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Permit Number:	109676
Update Date:	11/02/2012
Case Number:	7440-59-7
Name:	HELIUM GAS/ARGON MIX
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	109676
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	PAINTS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Permit Number:	109676
Update Date:	11/02/2012
Case Number:	68476-85-7
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	109676
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	PARTS WASHER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	109676
Update Date:	11/02/2012
Case Number:	Not reported

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: ENGINES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109676
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: BILGE WATER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109676
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: USED ANTIFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109676
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: ABSORBANTS/RAGS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109676
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: BATTERY SYSTEMS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109676
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 451 DEGREASING SLUDGE
Other Information: SUMP SLUDGE FROM CLARIFIER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109676
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: Not reported
Material Waste: Waste

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	109676
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 591 BAGHOUSE WASTE
Other Information:	SANDBLST WST - SILICA SAND (RW. LITTLE)
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	109676
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	DRAINED FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	109676
Update Date:	11/02/2012
Inspection Date:	05/16/2008
Violation Code:	6HV1014
Violation:	HMBP INCOMPLETE/NOT AMENDED
Violation Citation:	HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity:	ACTIVE
Permit Number:	109676
Update Date:	11/02/2012
Inspection Date:	05/16/2008
Violation Code:	6HV1018
Violation:	INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation:	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity:	ACTIVE
Permit Number:	109676
Update Date:	11/02/2012
Inspection Date:	05/16/2008
Violation Code:	6HV0218
Violation:	FILTERS:FUEL/OIL NOT LABELED OR CLOSED
Violation Citation:	Failed to label &/or close drained used oil filters &/or used fuel filters. 25250.22 and 66266.130(c)(3)
Activity:	ACTIVE
Permit Number:	109676
Update Date:	11/02/2012
Inspection Date:	05/16/2008
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Permit Number: 109676
Update Date: 11/02/2012
Inspection Date: 05/16/2008
Violation Code: 6HV0226
Violation: HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation: Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity: ACTIVE

Permit Number: 109676
Update Date: 11/02/2012
Inspection Date: 05/16/2008
Violation Code: 6HV0230
Violation: FAILED TO MAINTAIN AISLE SPACE
Violation Citation: Failed to maintain aisle space. CFR 265.35
Activity: ACTIVE

Permit Number: 109676
Update Date: 11/02/2012
Inspection Date: 05/16/2008
Violation Code: 6HV0229
Violation: HW CONTAINERS NOT INSPECTED WEEKLY
Violation Citation: Failed to conduct weekly inspections. CFR 265.174
Activity: ACTIVE

Permit Number: 109676
Update Date: 11/02/2012
Inspection Date: 05/16/2008
Violation Code: 6HV0407
Violation: EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation: Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity: ACTIVE

Permit Number: 109676
Update Date: 11/02/2012
Inspection Date: 09/20/2004
Violation Code: 6HV0216
Violation: HAZMATS WITHOUT PROPER LABELS
Violation Citation: Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity: ACTIVE

Permit Number: 109676
Update Date: 11/02/2012
Inspection Date: 03/07/2006
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: ACTIVE

Permit Number: 109676
Update Date: 11/02/2012
Inspection Date: 05/05/2011
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

Permit Number:	109676
Update Date:	11/02/2012
Inspection Date:	05/05/2011
Violation Code:	6HV0407
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	ACTIVE

Name:	NIELSEN/BEAUMONT INC
Address:	2420 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	109676
Business Type:	6HK33
EPA Id Number:	CAL000022440
APN:	760-003-29-00
Last HMMD Inspection:	05/05/2011
Facility Telephone:	619-222-4255
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	DON BEAUMONT & TOM NIESEN
Facility Mailing Address:	2420 SHELTER ISLAND DR
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92106-3112
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	109676
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	109676
Update Date:	11/02/2012
Case Number:	7440-37-1
Name:	AIR, COMPRESSED
Other Information:	ARGON 75%/CO2 25%
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Permit Number:	109676
Update Date:	11/02/2012
Case Number:	7440-37-1
Name:	ARGON GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Permit Number:	109676
Update Date:	11/02/2012
Case Number:	7440-59-7
Name:	HELIUM GAS/ARGON MIX
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	109676
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	PAINTS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Permit Number:	109676
Update Date:	11/02/2012
Case Number:	68476-85-7
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	109676
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	PARTS WASHER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	109676
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	ENGINES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	109676
Update Date:	11/02/2012
Case Number:	Not reported

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information:	BILGE WATER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	109676
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	USED ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	109676
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	ABSORBANTS/RAGS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	109676
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	BATTERY SYSTEMS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	109676
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 451 DEGREASING SLUDGE
Other Information:	SUMP SLUDGE FROM CLARIFIER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	109676
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 461 PAINT SLUDGE
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	109676
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 591 BAGHOUSE WASTE
Other Information:	SANDBLST WST - SILICA SAND (RW. LITTLE)
Material Waste:	Waste

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	109676
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	DRAINED FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	109676
Update Date:	11/02/2012
Inspection Date:	05/16/2008
Violation Code:	6HV1014
Violation:	HMBP INCOMPLETE/NOT AMENDED
Violation Citation:	HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity:	ACTIVE
Permit Number:	109676
Update Date:	11/02/2012
Inspection Date:	05/16/2008
Violation Code:	6HV1018
Violation:	INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation:	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity:	ACTIVE
Permit Number:	109676
Update Date:	11/02/2012
Inspection Date:	05/16/2008
Violation Code:	6HV0218
Violation:	FILTERS:FUEL/OIL NOT LABELED OR CLOSED
Violation Citation:	Failed to label &/or close drained used oil filters &/or used fuel filters. 25250.22 and 66266.130(c)(3)
Activity:	ACTIVE
Permit Number:	109676
Update Date:	11/02/2012
Inspection Date:	05/16/2008
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	109676
Update Date:	11/02/2012
Inspection Date:	05/16/2008
Violation Code:	6HV0226
Violation:	HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation:	Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity:	ACTIVE

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Permit Number:	109676
Update Date:	11/02/2012
Inspection Date:	05/16/2008
Violation Code:	6HV0230
Violation:	FAILED TO MAINTAIN AISLE SPACE
Violation Citation:	Failed to maintain aisle space. CFR 265.35
Activity:	ACTIVE

Permit Number:	109676
Update Date:	11/02/2012
Inspection Date:	05/16/2008
Violation Code:	6HV0229
Violation:	HW CONTAINERS NOT INSPECTED WEEKLY
Violation Citation:	Failed to conduct weekly inspections. CFR 265.174
Activity:	ACTIVE

Permit Number:	109676
Update Date:	11/02/2012
Inspection Date:	05/16/2008
Violation Code:	6HV0407
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	ACTIVE

Permit Number:	109676
Update Date:	11/02/2012
Inspection Date:	09/20/2004
Violation Code:	6HV0216
Violation:	HAZMATS WITHOUT PROPER LABELS
Violation Citation:	Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity:	ACTIVE

Permit Number:	109676
Update Date:	11/02/2012
Inspection Date:	03/07/2006
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE

Permit Number:	109676
Update Date:	11/02/2012
Inspection Date:	05/05/2011
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

Permit Number:	109676
Update Date:	11/02/2012
Inspection Date:	05/05/2011
Violation Code:	6HV0407

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	ACTIVE

CERS HAZ WASTE:

Name:	NIELSEN/BEAUMONT INC
Address:	2420 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
Site ID:	138356
CERS ID:	10382485
CERS Description:	Hazardous Waste Generator

CHMIRS:

Name:	Not reported
Address:	2420 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA
OES Incident Number:	1-5891
OES notification:	10/04/2011
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	America’s Cup Harbor
Spill Site:	Ship/Harbor/Port
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Date/Time:	1430
Year:	2011
Agency:	NRC
Incident Date:	10/4/2011
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	America's Cup Harbor
E Date:	Not reported
Substance:	Hydraulic Oil
Quantity Released:	Unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per NRC #991617 "The caller reported that an excavator blew a line causing a spill of a few gallons of hydraulic oil. The product entered the water but it is contained within boom and a silt curtain." Remedial actions: "Contained within booms and silt curtain/ crews are performing clean up."

EMI:

Name:	NIELSEN BEAUMONT MARINE
Address:	2420 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 919100000
Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	5459
Air District Name:	SD
SIC Code:	1721
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	NIELSEN BEAUMONT MARINE

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Address:	2420 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 919100000
Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	5459
Air District Name:	SD
SIC Code:	1721
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	NIELSEN BEAUMONT MARINE
Address:	2420 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 919100000
Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	5459
Air District Name:	SD
SIC Code:	1721
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	NIELSEN BEAUMONT MARINE
Address:	2420 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 919100000
Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	5459
Air District Name:	SD
SIC Code:	1721
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name:	NIELSEN BEAUMONT MARINE
Address:	2420 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 919100000
Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	5459
Air District Name:	SD
SIC Code:	1721
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	NIELSEN BEAUMONT MARINE
Address:	2420 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 919100000
Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	5459
Air District Name:	SD
SIC Code:	1721
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.55565853
Reactive Organic Gases Tons/Yr:	0.828008525
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	NIELSEN BEAUMONT MARINE INC
Address:	2420 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 919100000
Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	5459
Air District Name:	SD
SIC Code:	1721
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.55
Reactive Organic Gases Tons/Yr:	.82
Carbon Monoxide Emissions Tons/Yr:	0

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	NIELSEN BEAUMONT MARINE INC
Address:	2420 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 919100000
Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	5459
Air District Name:	SD
SIC Code:	1721
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.55
Reactive Organic Gases Tons/Yr:	.82
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

ENF:

Name:	NIELSEN BEAUMONT MARINE
Address:	2420 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA
Region:	9
Facility Id:	244333
Agency Name:	Mauricio & Sons Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	DISCHSW
Program Category1:	UNREGS
Program Category2:	UNREGS
# Of Programs:	1
WDID:	9 000074N88
Reg Measure Id:	160454
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	220856
Region:	9
Order / Resolution Number:	88-086
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	07/05/1988
Adoption/Issuance Date:	Not reported
Achieve Date:	8/17/2001
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000074N88
Description:	CLEANUP AND ABATEMENT ORDER FOR SAN DIEGO BAY.
Program:	DISCHSW
Latest Milestone Completion Date:	8/17/2001
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Total $ Paid/Completed Amount:	0
Name:	NIELSEN BEAUMONT MARINE
Address:	2420 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA
Region:	9
Facility Id:	244333
Agency Name:	Mauricio & Sons Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	DISCHSW
Program Category1:	UNREGS
Program Category2:	UNREGS
# Of Programs:	1
WDID:	9 000074N88
Reg Measure Id:	160454
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	220855
Region:	9
Order / Resolution Number:	88-086A1
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	12/01/1988
Adoption/Issuance Date:	Not reported
Achieve Date:	8/16/2001
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000074N88
Description:	AMENDS CLEANUP AND ABATEMENT ORDER NO. 88-86.
Program:	DISCHSW
Latest Milestone Completion Date:	8/16/2001
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	NIELSEN BEAUMONT MARINE
Address:	2420 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA
Region:	9
Facility Id:	244333
Agency Name:	Mauricio & Sons Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	DISCHSW
Program Category1:	UNREGS
Program Category2:	UNREGS
# Of Programs:	1
WDID:	9 000074N88
Reg Measure Id:	160454
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	220854
Region:	9
Order / Resolution Number:	88-086A2
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	02/02/1989
Adoption/Issuance Date:	Not reported
Achieve Date:	8/16/2001
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000074N88
Description:	AMENDS CLEANUP AND ABATEMENT ORDER NO. 88-086 AND ADDENDUM

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

	NO. 1
Program:	DISCHSW
Latest Milestone Completion Date:	8/16/2001
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	NIELSEN BEAUMONT MARINE
Address:	2420 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA
Region:	9
Facility Id:	244333
Agency Name:	Mauricio & Sons Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	DISCHSW
Program Category1:	UNREGS
Program Category2:	UNREGS
# Of Programs:	1
WDID:	9 000074N88
Reg Measure Id:	160454
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	220853
Region:	9
Order / Resolution Number:	88-086A3
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	12/09/1991
Adoption/Issuance Date:	Not reported
Achieve Date:	8/16/2001
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000074N88
Description:	SETS CLEANUP LEVELS AND AMENDS TIME SCHEDULE.
Program:	DISCHSW
Latest Milestone Completion Date:	8/16/2001
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	NIELSEN BEAUMONT MARINE, SAN DIEGO BAY
Address:	2420 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	244334
Agency Name:	Nielsen Beaumont Marine, Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.718954

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Place Longitude:	-117.224864
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000112
Reg Measure Id:	307018
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2005-0151
Npdes# CA#:	CA0109100
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	100
Status:	Historical
Status Date:	08/13/2013
Effective Date:	01/01/2006
Expiration/Review Date:	12/14/2010
Termination Date:	09/30/2013
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	385566
Region:	9
Order / Resolution Number:	Not reported

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	08/10/2012
Adoption/Issuance Date:	08/10/2012
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	SEL for Nielsen Beaumont Marine, Inc
Description:	SMR review for quarterly reporting periods July-September 2005 through January - March 2012 & annual reporting periods July 2006-June 2007 through July 2010-June 2011. Order No. R9-2005-0151, NPDES No. CA0109100. Nielsen Beaumont Marine, San Diego Bay.
Program:	NPDINDSML
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	NIELSEN BEAUMONT MARINE, SAN DIEGO BAY
Address:	2420 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	244334
Agency Name:	Nielsen Beaumont Marine, Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.718954
Place Longitude:	-117.224864
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000112
Reg Measure Id:	213823
Reg Measure Type:	Enrollee
Region:	9
Order #:	01-303-2
Npdes# CA#:	CAG719001
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	100
Status:	Historical
Status Date:	07/15/2013
Effective Date:	04/22/1985
Expiration/Review Date:	Not reported
Termination Date:	12/31/2005
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	256360
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	05/03/2005
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	05/03/2005
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000112
Description:	Violations of Order No.2000-211-liquid material storage lacks secondary containment, poor housekeeping practices, and failure to maintain monitoring records (tf,5/3/2005)
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	NIELSEN BEAUMONT MARINE, SAN DIEGO BAY
Address:	2420 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	244334
Agency Name:	Nielsen Beaumont Marine, Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.718954
Place Longitude:	-117.224864
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000112
Reg Measure Id:	213823
Reg Measure Type:	Enrollee
Region:	9
Order #:	01-303-2
Npdes# CA#:	CAG719001
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	100
Status:	Historical
Status Date:	07/15/2013
Effective Date:	04/22/1985

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Expiration/Review Date:	Not reported
Termination Date:	12/31/2005
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	246366
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	10/29/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000112
Description:	Requested at least one more additional sediment sampling event at station NMB-4, following the MRP, for a copper analysis. Cu was detected in all three samples taken during the annual sampling event, exceeding the cleanup level of 530 mg/L.
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	NIELSEN BEAUMONT MARINE, SAN DIEGO BAY
Address:	2420 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	244334
Agency Name:	Nielsen Beaumont Marine, Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.718954
Place Longitude:	-117.224864
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000112
Reg Measure Id:	148275
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2000-0211
Npdes# CA#:	CA0109100
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	100
Status:	Historical
Status Date:	12/31/2005
Effective Date:	10/11/2000
Expiration/Review Date:	12/31/2005
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	234538
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	05/31/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	05/31/2000

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000112
Description:	Letter requesting penalty of perjury statement.
Program:	NPDINDSML
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	NIELSEN BEAUMONT MARINE, SAN DIEGO BAY
Address:	2420 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	244334
Agency Name:	Nielsen Beaumont Marine, Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.718954
Place Longitude:	-117.224864
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000112
Reg Measure Id:	148275

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2000-0211
Npdes# CA#:	CA0109100
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	100
Status:	Historical
Status Date:	12/31/2005
Effective Date:	10/11/2000
Expiration/Review Date:	12/31/2005
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	233771
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	01/28/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	01/28/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000112
Description:	Staff letter dated 1/28/2000 requesting corrective actions in subsequent reports
Program:	NPDINDSML
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	NIELSEN BEAUMONT MARINE, SAN DIEGO BAY
Address:	2420 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	244334
Agency Name:	Nielsen Beaumont Marine, Inc
Place Type:	Manufacturing

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.718954
Place Longitude:	-117.224864
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000112
Reg Measure Id:	148275
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2000-0211
Npdes# CA#:	CA0109100
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	100
Status:	Historical
Status Date:	12/31/2005
Effective Date:	10/11/2000
Expiration/Review Date:	12/31/2005
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	222577
Region:	9
Order / Resolution Number:	90-006
Enforcement Action Type:	Admin Civil Liability
Effective Date:	03/12/1990
Adoption/Issuance Date:	03/12/1990
Achieve Date:	4/2/1990
Termination Date:	04/02/1990
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	ACL 90-006 to Mauricio and Sons. Enforcement - 9 000000112
Description:	ISSUED IN ACCORDANCE WITH WATER CODE SECTION 13385 (A)(4) & (C)(1).
Program:	NPDINDSML
Latest Milestone Completion Date:	4/2/1990
# Of Programs1:	1
Total Assessment Amount:	3750
Initial Assessed Amount:	0
Liability $ Amount:	3750
Project $ Amount:	0
Liability $ Paid:	3750
Project $ Completed:	0
Total $ Paid/Completed Amount:	3750

Name:	NIELSEN BEAUMONT MARINE, SAN DIEGO BAY
Address:	2420 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	244334
Agency Name:	Nielsen Beaumont Marine, Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.718954
Place Longitude:	-117.224864
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000112
Reg Measure Id:	148275
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2000-0211
Npdes# CA#:	CA0109100
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	100
Status:	Historical
Status Date:	12/31/2005
Effective Date:	10/11/2000
Expiration/Review Date:	12/31/2005
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	222576
Region:	9
Order / Resolution Number:	88-086A5
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	12/20/1993
Adoption/Issuance Date:	Not reported
Achieve Date:	8/16/2001
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000112
Description:	CAO 88-086 AND ADDENDA ARE ALL AGAINST MAURICIO & SONS INC., THE PREVIOUS OWNER/OPERATOR @ THE SITE. see also 3929 - 3932 sequence
Program:	NPDINDSML
Latest Milestone Completion Date:	8/16/2001
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	NIELSEN BEAUMONT MARINE, SAN DIEGO BAY
Address:	2420 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	244334
Agency Name:	Nielsen Beaumont Marine, Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.718954
Place Longitude:	-117.224864
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000112
Reg Measure Id:	148275
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2000-0211
Npdes# CA#:	CA0109100
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	100
Status:	Historical

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Status Date:	12/31/2005
Effective Date:	10/11/2000
Expiration/Review Date:	12/31/2005
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	222575
Region:	9
Order / Resolution Number:	88-086A4
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	07/05/1988
Adoption/Issuance Date:	Not reported
Achieve Date:	8/16/2001
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000112
Description:	see also 3929 - 3932 sequence
Program:	NPDINDSML
Latest Milestone Completion Date:	8/16/2001
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	NIELSEN BEAUMONT MARINE, SAN DIEGO BAY
Address:	2420 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	244334
Agency Name:	Nielsen Beaumont Marine, Inc
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.718954
Place Longitude:	-117.224864
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000112
Reg Measure Id:	148275
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2000-0211
Npdes# CA#:	CA0109100
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	100
Status:	Historical
Status Date:	12/31/2005
Effective Date:	10/11/2000
Expiration/Review Date:	12/31/2005
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	222574
Region:	9
Order / Resolution Number:	88-086A6
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	12/08/1994
Adoption/Issuance Date:	Not reported
Achieve Date:	8/16/2001
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Status: Historical
Title: Enforcement - 9 000000112
Description: see also 3929 - 3932 sequence
Program: NPDINDSML
Latest Milestone Completion Date: 8/16/2001
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability $ Amount: 0
Project $ Amount: 0
Liability $ Paid: 0
Project $ Completed: 0
Total $ Paid/Completed Amount: 0

HAZNET:

Name: US DEPARTMENT OF TREASURY DBA URS FEDERAL SERVICES INC
Address: 2420 SHELTER ISLAND DR
Address 2: Not reported
City,State,Zip: SAN DIEGO, CA 92106
Contact: ERIC ANDERSON
Telephone: 6192232628
Mailing Name: Not reported
Mailing Address: 2420 SHELTER ISLAND DR

Year: 2018
Gepaid: CAL000403376
TSD EPA ID: CAT080013352
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 1.15500

Year: 2017
Gepaid: CAL000403376
TSD EPA ID: CAD028409019
CA Waste Code: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.3761

Year: 2015
Gepaid: CAL000403376
TSD EPA ID: CAT080013352
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 1.65

Year: 2015
Gepaid: CAL000403376
TSD EPA ID: CAD008252405
CA Waste Code: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 16.263

Year: 2015
Gepaid: CAL000403376

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

TSD EPA ID: AZR000506980
CA Waste Code: 513 - Empty containers less than 30 gallons
Disposal Method: -
Tons: 25.284

Additional Info:
Year: 2015
Gen EPA ID: CAL000403376

Shipment Date: 20151027
Creation Date: 1/11/2016 22:16:05
Receipt Date: 20151027
Manifest ID: 014964521JJK
Trans EPA ID: CAD981412356
Trans Name: PACIFIC TRANS ENV SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352
Trans Name: DEMENNO / KERDOON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: D018
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 1.65
Waste Quantity: 500
Quantity Unit: G
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150128
Creation Date: 7/16/2015 22:15:08
Receipt Date: 20150209
Manifest ID: 008249026FLE
Trans EPA ID: CAR000163097
Trans Name: K-VAC ENVIRONMENTAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008252405
Trans Name: PACIFIC RESOURCE RECOVERY SERVICES INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code: D018
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 3.753
Waste Quantity: 900
Quantity Unit: G
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Additional Code 5:	Not reported
Shipment Date:	20150128
Creation Date:	8/31/2015 22:15:49
Receipt Date:	20150129
Manifest ID:	008249029FLE
Trans EPA ID:	CAR000163097
Trans Name:	K-VAC ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000506980
Trans Name:	SOUTH YUMA COUNTY LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	513 - Empty containers less than 30 gallons
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	8.428
Waste Quantity:	10
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150127
Creation Date:	8/31/2015 22:15:49
Receipt Date:	20150129
Manifest ID:	008249023FLE
Trans EPA ID:	CAR000163097
Trans Name:	K-VAC ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000506980
Trans Name:	SOUTH YUMA COUNTY LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	513 - Empty containers less than 30 gallons
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150109
Creation Date:	7/9/2015 22:15:23
Receipt Date:	20150112
Manifest ID:	008248983FLE
Trans EPA ID:	CAR000163097
Trans Name:	K-VAC ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D018
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	12.51
Waste Quantity:	3000
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2017
Gen EPA ID:	CAL000403376
Shipment Date:	20171222
Creation Date:	8/7/2018 18:30:34
Receipt Date:	20171228
Manifest ID:	016845048JJK
Trans EPA ID:	CAR000030114
Trans Name:	NRC ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.3761
Waste Quantity:	330
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HIST CORTESE:

edr_fname:	NIELSEN BEAUMONT MARINE
edr_fadd1:	2420 SHELTER ISLAND
City,State,Zip:	SAN DIEGO, CA 92106
Region:	CORTESE
Facility County Code:	37
Reg By:	WBC&D
Reg Id:	9 000074N88
edr_fname:	NIELSEN BEAUMONT MARINE,

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

edr_fadd1: 2420 SHELTER ISLAND
City,State,Zip: SAN DIEGO, CA 92106
Region: CORTESE
Facility County Code: 37
Reg By: WBC&D
Reg Id: 9 000000112

NPDES:

Name: NIELSEN BEAUMONT MARINE, SAN DIEGO BAY
Address: 2420 SHELTER ISLAND DRIVE
City,State,Zip: SAN DIEGO, CA 92106
Facility Status: Historical
NPDES Number: Not reported
Region: 9
Agency Number: 31514
Regulatory Measure ID: 388923
Place ID: 244334
Order Number: Not reported
WDID: Not reported
Regulatory Measure Type: Enrollee - NPDES
Program Type: NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 10/01/2013
Termination Date Of Regulatory Measure: 09/03/2020
Expiration Date Of Regulatory Measure: 10/01/2018
Discharge Address: 2420 Shelter Island Drive
Discharge Name: Nielsen Beaumont Marine, Inc
Discharge City: San Diego
Discharge State: CA
Discharge Zip: 92106
Status: Not reported
Status Date: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported

Name: NIELSEN BEAUMONT MARINE, SAN DIEGO BAY
Address: 2420 SHELTER ISLAND DRIVE
City,State,Zip: SAN DIEGO, CA 92106
Facility Status: Active
NPDES Number: CAG719001
Region: 9
Agency Number: 31514
Regulatory Measure ID: 436217
Place ID: 244334
Order Number: R9-2019-0008
WDID: 9 000000112
Regulatory Measure Type: Enrollee - NPDES
Program Type: NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 09/04/2020
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: 01/31/2025
Discharge Address: 2420 Shelter Island Drive
Discharge Name: Nielsen Beaumont Marine, Inc

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Discharge City:	San Diego
Discharge State:	CA
Discharge Zip:	92106
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAG719001
Status:	Active
Agency Number:	31514
Region:	9
Regulatory Measure ID:	388923
Order Number:	R9-2013-0026
Regulatory Measure Type:	Enrollee
Place ID:	785854
WDID:	9 000000112
Program Type:	NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/01/2013
Expiration Date Of Regulatory Measure:	09/01/2018
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Nielsen Beaumont Marine, Inc
Discharge Address:	2420 Shelter Island Drive
Discharge City:	San Diego
Discharge State:	CA
Discharge Zip:	92106
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

NPDES Number:	CAG719001
Status:	Active
Agency Number:	31514
Region:	9
Regulatory Measure ID:	388923
Order Number:	R9-2013-0026
Regulatory Measure Type:	Enrollee
Place ID:	244334
WDID:	9 000000112
Program Type:	NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/01/2013
Expiration Date Of Regulatory Measure:	09/01/2018
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Nielsen Beaumont Marine, Inc
Discharge Address:	2420 Shelter Island Drive
Discharge City:	San Diego
Discharge State:	CA
Discharge Zip:	92106
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	NIELSEN BEAUMONT MARINE INC
Address:	2420 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	9 37I000194
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	03/02/1992
Operator Name:	Nielsen Beaumont Marine Inc
Operator Address:	2420 Shelter Island Dr
Operator City:	San Diego
Operator State:	California
Operator Zip:	92106

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	9
Regulatory Measure ID:	290880
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	9 37I000194
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	03/02/1992
Status:	Terminated
Status Date:	03/02/1992
Place Size:	30000
Place Size Unit:	SqFt
Contact:	Thomas A Nielsen
Contact Title:	Not reported
Contact Phone:	619-222-4255
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Nielsen Beaumont Marine, Inc
Operator Address:	2420 Shelter Island Dr
Operator City:	San Diego
Operator State:	California

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Operator Zip:	92106
Operator Contact:	Thomas A Nielsen
Operator Contact Title:	Not reported
Operator Contact Phone:	619-222-4255
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	619-222-4255
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	San Diego Bay
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	3732-Boat Building and Repairing
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	NIELSEN BEAUMONT MARINE, SAN DIEGO BAY
Address:	2420 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Agency:	Nielsen Beaumont Marine, Inc
Agency Address:	2420 Shelter Island Drive, San Diego, CA 92106
Place/Project Type:	Boatyard/Shipyard
SIC/NAICS:	3732
Region:	9
Program:	NPDINDSML, NPDNONMUNIPRCS
Regulatory Measure Status:	Active
Regulatory Measure Type:	Enrollee - NPDES
Order Number:	R9-2019-0008
WDID:	9 000000112

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

NPDES Number:	CAG719001
Adoption Date:	Not reported
Effective Date:	09/04/2020
Termination Date:	Not reported
Expiration/Review Date:	01/31/2025
Design Flow:	0
Major/Minor:	Minor
Complexity:	C
TTWQ:	2
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	32.718954
Longitude:	-117.224864

CERS:

Name:	NIELSEN/BEAUMONT INC
Address:	2420 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
Site ID:	138356
CERS ID:	10382485
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	138356
Site Name:	NIELSEN/BEAUMONT INC
Violation Date:	02-09-2015
Citation:	19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes:	Returned to compliance on 02/17/2015.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	138356
Site Name:	NIELSEN/BEAUMONT INC
Violation Date:	02-09-2015
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes:	Returned to compliance on 02/17/2015.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	138356
Site Name:	NIELSEN/BEAUMONT INC
Violation Date:	02-09-2015
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description:	Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 02/17/2015.
Violation Division:	San Diego County Department of Env Health

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Violation Program: HMRRP
Violation Source: CERS,

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-09-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Joaquino Billie Marcos Inspection ID:4093869
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-24-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Anderson Sean Inspection ID:6101858
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-31-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Campanella Luke Inspection ID:5605787
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-31-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Campanella Luke Inspection ID:5605787
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-09-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Joaquino Billie Marcos Inspection ID:4093869
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-24-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Anderson Sean Inspection ID:6101858
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Coordinates:

Site ID:	138356
Facility Name:	NIELSEN/BEAUMONT INC
Env Int Type Code:	HWG
Program ID:	10382485
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	32.719850
Longitude:	-117.225100

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Marco De La Rosa
Entity Title:	Not reported
Affiliation Address:	2420 SHELTER ISLAND DR
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92106
Affiliation Phone:	,

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,

Affiliation Type Desc:	Legal Owner
Entity Name:	DON BEAUMONT & TOM NIEISEN
Entity Title:	Not reported
Affiliation Address:	2420 SHELTER ISLAND DR
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92106
Affiliation Phone:	(619) 222-4255,

Affiliation Type Desc:	Operator
Entity Name:	DON BEAUMONT & TOM NIEISEN
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(619) 222-4255,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2420 SHELTER ISLAND DR
Affiliation City:	SAN DIEGO

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92106-3112
Affiliation Phone: ,

Affiliation Type Desc: Document Preparer
Entity Name: Susanne Gustavsson
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Marco De La Rosa
Entity Title: QA Specialist
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: NIELSEN/BEAUMONT INC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: NIELSEN BEAUMONT MARINE
Address: 2420 SHELTER ISLAND DRIVE
City,State,Zip: SAN DIEGO, CA 92106-3112
Site ID: 483192
CERS ID: 110002683962
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: ENVIR MGMT
Entity Title: Not reported
Affiliation Address: 2420 SHELTER ISLAND DRIVE
Affiliation City: SANDIEGO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: COMMERCIAL BASIN (AMERICA’S CUP HARBOR) - MAURICIO & SONS, INC. - BOATYARD SEDIM
Address: 2420 SHELTER ISLAND DR

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

City,State,Zip:	SAN DIEGO, CA 92106
Site ID:	217478
CERS ID:	SL189014174
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	CRAIG L. CARLISLE - SAN DIEGO RWQCB (REGION 9)
Entity Title:	Not reported
Affiliation Address:	2375 NORTHSIDE DRIVE, SUITE 100
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6195213378,

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	DAVID T. BARKER - SAN DIEGO RWQCB (REGION 9)
Entity Title:	Not reported
Affiliation Address:	2375 NORTHSIDE DRIVE, SUITE 100
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6195213007,

HWTS:

Name:	US DEPARTMENT OF TREASURY DBA URS FEDERAL SERVICES INC
Address:	2420 SHELTER ISLAND DR NIELSEN BEAUMONT MARINE
Address 2:	Not reported
City,State,Zip:	SAN DIEGO, CA 92106
EPA ID:	CAL000403376
Inactive Date:	06/30/2020
Create Date:	12/30/2014
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	2420 SHELTER ISLAND DR
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN DIEGO, CA 92106
Owner Name:	US DEPARTMENT OF TREASURY
Owner Address:	20501 SENECA MEADOWS PKWY
Owner Address 2:	Not reported
Owner City,State,Zip:	GERMANTOWN, MD 20876
Contact Name:	ERIC ANDERSON
Contact Address:	2420 SHELTER ISLAND DR
Contact Address 2:	Not reported
City,State,Zip:	SAN DIEGO, CA 92106
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	32.719923
Longitude:	-117.2250315

NAICS:

EPA ID:	CAL000403376
Create Date:	2014-12-30 10:44:06.197
NAICS Code:	49319

NIELSEN BEAUMONT MARINE, SAN DIEGO BAY (Continued) **S103959755**

NAICS Description:	Other Warehousing and Storage
Issued EPA ID Date:	2014-12-30 10:44:06.19300
Inactive Date:	2020-06-30 00:00:00
Facility Name:	US DEPARTMENT OF TREASURY DBA URS FEDERAL SERVICES INC
Facility Address:	2420 SHELTER ISLAND DR
Facility Address 2:	NIELSEN BEAUMONT MARINE
Facility City:	SAN DIEGO
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92106

N58
SW
1/4-1/2
0.295 mi.
1555 ft.

HIGH SEAS TUNA MARINE STATION* **LUST** **S104160515**
2510 SHELTER ISLAND DR **N/A**
SAN DIEGO, CA 92106

Site 1 of 4 in cluster N

Relative:
Lower

Actual:
5 ft.

LUST REG 9:

Region:	9
Status:	Remedial action (cleanup) Underway
Case Number:	9UT97
Local Case:	H03413-001
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	EDFPGTVS
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Tank
Cause:	Corrosion
Lead Agency:	Local Agency
Case Type:	Other ground water affected
Date Found:	09/03/1984
Date Stopped:	08/10/1984
Confirm Date:	08/10/1984
Submit Workplan:	Not reported
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	04/04/1991
Remed Action:	7/30/87
Began Monitor:	Not reported
Release Date:	08/03/1984
Enforce Date:	9/10/85
Closed Date:	Not reported
Enforce Type:	Cleanup and Abatement Orders
Pilot Program:	LOP
Basin Number:	908.10
GW Depth:	4’
Beneficial Use:	NBNB/E
NPDES Number:	Not reported
Priority:	2A
File Dispn:	Not reported
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	85-76
Waste Discharge Requirement Number:	Not reported

N59	**STD OIL MARINA**	**LUST**	**S101308204**
SW	**2510 SHELTER ISLAND DR**	**SAN DIEGO CO. SAM**	**N/A**
1/4-1/2	**SAN DIEGO, CA 92106**	**San Diego Co. HMMD**	
0.295 mi.		**SWEEPS UST**	
1555 ft.	**Site 2 of 4 in cluster N**	**Cortese**	
		ENF	
Relative: Lower		**HIST CORTESE**	
		CERS	
Actual: 5 ft.			

LUST:

Name:	STD OIL MARINA
Address:	2510 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 921063114
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607303203
Global Id:	T0607303203
Latitude:	32.7199612491251
Longitude:	-117.225917423279
Status:	Open - Eligible for Closure
Status Date:	10/08/2021
Case Worker:	LT
RB Case Number:	9UT97
Local Agency:	Not reported
File Location:	Regional Board
Local Case Number:	Not reported
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Diesel
Site History:	The site was a former marine fueling terminal until 1991 which had nine 10,000 gallon diesel and gasoline underground storage tanks (UST) and one 500 gallon waste oil tank. During a UST replacement in 1984, approximately 2,100 gallons of liquid phase hydrocarbons were recovered from the excavation using a vacuum truck. Monitoring wells were installed at that time and free product was detected. In July 1989 there was an unauthorized release of diesel fuel from a pipe union at the east end of the tank area (quantity unknown). See Environmental data tab for additional information.

LUST:

Global Id:	T0607303203
Contact Type:	Regional Board Caseworker
Contact Name:	LALITHA THOTAKURA
Organization Name:	SAN DIEGO RWQCB (REGION 9)
Address:	2375 NORTHSIDE DRIVE, SUITE 100
City:	SAN DIEGO
Email:	lalitha.thotakura@waterboards.ca.gov
Phone Number:	6195213002

LUST:

Global Id:	T0607303203
Action Type:	ENFORCEMENT
Date:	09/10/1985
Action:	Notice of Responsibility

Global Id:	T0607303203
Action Type:	ENFORCEMENT
Date:	09/10/1985
Action:	Clean-up and Abatement Order

STD OIL MARINA (Continued) **S101308204**

Global Id: T0607303203
Action Type: ENFORCEMENT
Date: 04/24/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303203
Action Type: ENFORCEMENT
Date: 10/17/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303203
Action Type: ENFORCEMENT
Date: 05/26/2015
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303203
Action Type: ENFORCEMENT
Date: 06/27/2019
Action: Referral to Regional Board

Global Id: T0607303203
Action Type: ENFORCEMENT
Date: 06/10/2020
Action: Email Correspondence

Global Id: T0607303203
Action Type: ENFORCEMENT
Date: 06/27/2019
Action: Referral to Regional Board

Global Id: T0607303203
Action Type: Other
Date: 08/02/1984
Action: Leak Began

Global Id: T0607303203
Action Type: Other
Date: 08/03/1984
Action: Leak Reported

Global Id: T0607303203
Action Type: RESPONSE
Date: 01/30/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0607303203
Action Type: RESPONSE
Date: 01/30/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0607303203
Action Type: RESPONSE
Date: 07/30/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0607303203
Action Type: RESPONSE

STD OIL MARINA (Continued) **S101308204**

Date:	06/01/2020
Action:	Site Investigation Workplan - Regulator Responded
Global Id:	T0607303203
Action Type:	REMEDIATION
Date:	09/01/1991
Action:	Free Product Removal
Global Id:	T0607303203
Action Type:	REMEDIATION
Date:	01/18/1996
Action:	Free Product Removal
Global Id:	T0607303203
Action Type:	REMEDIATION
Date:	08/02/1984
Action:	Free Product Removal
Global Id:	T0607303203
Action Type:	REMEDIATION
Date:	04/01/1988
Action:	Free Product Removal
Global Id:	T0607303203
Action Type:	REMEDIATION
Date:	04/01/1986
Action:	Free Product Removal
Global Id:	T0607303203
Action Type:	REMEDIATION
Date:	02/01/2000
Action:	Soil Vapor Extraction (SVE)
Global Id:	T0607303203
Action Type:	REMEDIATION
Date:	04/19/2000
Action:	Free Product Removal
Global Id:	T0607303203
Action Type:	ENFORCEMENT
Date:	12/29/2011
Action:	File review
Global Id:	T0607303203
Action Type:	ENFORCEMENT
Date:	03/20/2012
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607303203
Action Type:	ENFORCEMENT
Date:	02/14/2014
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607303203
Action Type:	ENFORCEMENT
Date:	03/25/2015
Action:	Technical Correspondence / Assistance / Other

STD OIL MARINA (Continued) **S101308204**

Global Id:	T0607303203
Action Type:	ENFORCEMENT
Date:	05/18/2020
Action:	Email Correspondence
Global Id:	T0607303203
Action Type:	ENFORCEMENT
Date:	09/28/2020
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607303203
Action Type:	RESPONSE
Date:	09/03/2021
Action:	Correspondence
Global Id:	T0607303203
Action Type:	RESPONSE
Date:	02/22/2022
Action:	Well Destruction Report
Global Id:	T0607303203
Action Type:	RESPONSE
Date:	02/22/2022
Action:	Well Destruction Report
Global Id:	T0607303203
Action Type:	RESPONSE
Date:	05/04/2011
Action:	Interim Remedial Action Plan - Regulator Responded
Global Id:	T0607303203
Action Type:	RESPONSE
Date:	08/30/2011
Action:	Interim Remedial Action Plan - Regulator Responded
Global Id:	T0607303203
Action Type:	RESPONSE
Date:	03/05/2012
Action:	Other Report / Document - Regulator Responded
Global Id:	T0607303203
Action Type:	RESPONSE
Date:	07/05/2012
Action:	Correspondence - Regulator Responded
Global Id:	T0607303203
Action Type:	RESPONSE
Date:	10/17/2013
Action:	Remedial Progress Report - Regulator Responded
Global Id:	T0607303203
Action Type:	RESPONSE
Date:	12/24/2013
Action:	Remedial Progress Report - Regulator Responded
Global Id:	T0607303203
Action Type:	RESPONSE

STD OIL MARINA (Continued) **S101308204**

Date:	01/31/2014
Action:	Monitoring Report - Semi-Annually - Regulator Responded
Global Id:	T0607303203
Action Type:	RESPONSE
Date:	01/30/2015
Action:	Monitoring Report - Quarterly - Regulator Responded
Global Id:	T0607303203
Action Type:	RESPONSE
Date:	08/13/2014
Action:	Remedial Progress Report - Regulator Responded
Global Id:	T0607303203
Action Type:	RESPONSE
Date:	08/01/2014
Action:	Monitoring Report - Quarterly - Regulator Responded
Global Id:	T0607303203
Action Type:	RESPONSE
Date:	10/23/2014
Action:	Monitoring Report - Semi-Annually - Regulator Responded
Global Id:	T0607303203
Action Type:	RESPONSE
Date:	09/15/2020
Action:	Request for Closure - Regulator Responded
Global Id:	T0607303203
Action Type:	RESPONSE
Date:	04/17/2020
Action:	Soil Vapor Intrusion Investigation Workplan - Regulator Responded
Global Id:	T0607303203
Action Type:	ENFORCEMENT
Date:	04/17/2009
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607303203
Action Type:	ENFORCEMENT
Date:	07/31/2009
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607303203
Action Type:	ENFORCEMENT
Date:	07/08/2009
Action:	Letter - Notice
Global Id:	T0607303203
Action Type:	ENFORCEMENT
Date:	04/20/2011
Action:	Staff Letter
Global Id:	T0607303203
Action Type:	ENFORCEMENT
Date:	12/02/2013
Action:	Technical Correspondence / Assistance / Other

STD OIL MARINA (Continued) **S101308204**

Global Id:	T0607303203
Action Type:	ENFORCEMENT
Date:	01/24/2014
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607303203
Action Type:	ENFORCEMENT
Date:	08/25/2015
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607303203
Action Type:	ENFORCEMENT
Date:	03/12/2020
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607303203
Action Type:	ENFORCEMENT
Date:	01/08/2021
Action:	Notification - Preclosure
Global Id:	T0607303203
Action Type:	ENFORCEMENT
Date:	10/09/2020
Action:	Notification - Preclosure
Global Id:	T0607303203
Action Type:	Other
Date:	08/02/1984
Action:	Leak Stopped
Global Id:	T0607303203
Action Type:	RESPONSE
Date:	07/30/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607303203
Action Type:	RESPONSE
Date:	01/30/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607303203
Action Type:	RESPONSE
Date:	05/29/2012
Action:	Correspondence
Global Id:	T0607303203
Action Type:	RESPONSE
Date:	07/30/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607303203
Action Type:	RESPONSE
Date:	01/30/2019
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607303203
Action Type:	RESPONSE

STD OIL MARINA (Continued) **S101308204**

Date:	01/15/2021
Action:	Correspondence
Global Id:	T0607303203
Action Type:	RESPONSE
Date:	07/30/2019
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607303203
Action Type:	RESPONSE
Date:	09/28/2018
Action:	Correspondence
Global Id:	T0607303203
Action Type:	RESPONSE
Date:	07/30/2016
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607303203
Action Type:	RESPONSE
Date:	04/17/2020
Action:	Site Assessment Report
Global Id:	T0607303203
Action Type:	ENFORCEMENT
Date:	01/29/2009
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607303203
Action Type:	ENFORCEMENT
Date:	12/10/2008
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607303203
Action Type:	ENFORCEMENT
Date:	05/05/2011
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607303203
Action Type:	ENFORCEMENT
Date:	11/06/2013
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607303203
Action Type:	ENFORCEMENT
Date:	06/14/2010
Action:	Clean Up Fund - Case Closure Review Summary Report (RSR)
Global Id:	T0607303203
Action Type:	RESPONSE
Date:	07/30/2009
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607303203
Action Type:	RESPONSE
Date:	01/30/2010
Action:	Monitoring Report - Semi-Annually

STD OIL MARINA (Continued) **S101308204**

Global Id: T0607303203
Action Type: RESPONSE
Date: 07/30/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0607303203
Action Type: RESPONSE
Date: 04/18/2022
Action: Correspondence

Global Id: T0607303203
Action Type: RESPONSE
Date: 07/30/2015
Action: Monitoring Report - Quarterly

Global Id: T0607303203
Action Type: RESPONSE
Date: 01/30/2016
Action: Monitoring Report - Semi-Annually

Global Id: T0607303203
Action Type: RESPONSE
Date: 03/05/2021
Action: Correspondence

Global Id: T0607303203
Action Type: RESPONSE
Date: 01/30/2017
Action: Monitoring Report - Semi-Annually

Global Id: T0607303203
Action Type: RESPONSE
Date: 07/30/2017
Action: Monitoring Report - Semi-Annually

Global Id: T0607303203
Action Type: ENFORCEMENT
Date: 11/12/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303203
Action Type: ENFORCEMENT
Date: 08/03/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303203
Action Type: ENFORCEMENT
Date: 12/13/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303203
Action Type: ENFORCEMENT
Date: 08/17/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303203
Action Type: ENFORCEMENT

STD OIL MARINA (Continued) **S101308204**

Date:	06/11/2012
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607303203
Action Type:	ENFORCEMENT
Date:	07/11/2012
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607303203
Action Type:	ENFORCEMENT
Date:	04/10/2018
Action:	Clean Up Fund - Case Closure Review Summary Report (RSR)
Global Id:	T0607303203
Action Type:	ENFORCEMENT
Date:	03/17/2020
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607303203
Action Type:	ENFORCEMENT
Date:	08/18/2010
Action:	Clean Up Fund - Case Closure Review Summary Report (RSR)
Global Id:	T0607303203
Action Type:	Other
Date:	08/02/1984
Action:	Leak Discovery
Global Id:	T0607303203
Action Type:	RESPONSE
Date:	11/15/2010
Action:	CAP/RAP - Other Report
Global Id:	T0607303203
Action Type:	RESPONSE
Date:	01/30/2011
Action:	Remedial Progress Report

LUST:

Global Id:	T0607303203
Status:	Open - Case Begin Date
Status Date:	08/02/1984
Global Id:	T0607303203
Status:	Open - Remediation
Status Date:	10/03/1990
Global Id:	T0607303203
Status:	Open - Eligible for Closure
Status Date:	10/08/2020
Global Id:	T0607303203
Status:	Open - Eligible for Closure
Status Date:	10/08/2020
Global Id:	T0607303203
Status:	Open - Eligible for Closure

STD OIL MARINA (Continued) **S101308204**

Status Date: 01/08/2021

Global Id: T0607303203
Status: Open - Eligible for Closure
Status Date: 10/08/2021

LUST REG 9:
Region: 9
Status: Preliminary site assessment underway
Case Number: 9UT1894
Local Case: H09719-002
Substance: Unleaded Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Other Means
How Stopped: Other Means
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 01/15/1991
Date Stopped: 01/15/1991
Confirm Date: 01/15/1991
Submit Workplan: Not reported
Prelim Assess: 01/15/1991
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 01/15/1991
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.10
GW Depth: 8'
Beneficial Use: NBNB/E
NPDES Number: Not reported
Priority: 2B
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. SAM:
Name: STD OIL MARINA
Address: 2510 SHELTER ISLAND DR
City,State,Zip: SAN DIEGO, CA 921063114
Case Number: H03413-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Remedial Action (Clean-Up)
Date: 9/16/1991

STD OIL MARINA (Continued) **S101308204**

Date Began:	8/2/1984

HMMD SAN DIEGO:

Name:	STD OIL MARINA
Address:	2510 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	103413
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	DEH-103413
Last HMMD Inspection:	01/29/1992
Facility Telephone:	619-224-3575
Permit Status:	INAC
Permit Expiration:	Not reported
Date Last Updated:	11/02/2012
Facility Owner:	DRISCOLL YACHTS
Facility Mailing Address:	2510 SHELTER ISLAND DR
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92106-3114
UST Owner:	CHEVRON USA INC
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 103413 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	103413
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	10000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1956-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 103413 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	103413
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	10000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1956-01-01 00:00:00

STD OIL MARINA (Continued) **S101308204**

Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 103413 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	103413
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	10000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1956-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 103413 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	103413
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	10000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1956-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 103413 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	103413
Tank Type:	SINGLE WALL
Additional Id:	5
Capacity Gallons:	10000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1956-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

STD OIL MARINA (Continued) **S101308204**

UST Name:	UNDERGROUND TANK 103413 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	103413
Tank Type:	SINGLE WALL
Additional Id:	6
Capacity Gallons:	10000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1956-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 103413 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	103413
Tank Type:	SINGLE WALL
Additional Id:	7
Capacity Gallons:	10000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1956-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 103413 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	103413
Tank Type:	DOUBLE WALL
Additional Id:	1 DIESEL
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	NONE
Remove Close Date:	Not reported
Year Installed:	1984-01-01 00:00:00
Pipe Type:	LINED TRENCH
Delivery System:	PRESSURE
Monitor Code:	25
UST Monitor Method:	EXTERNAL MONITOR : CONTINUOUS VADOSE ZONE VAPOR MONITORS AND / OR WEEKLY (MINIMUM) VADOSE ZONE LIQUID MONITORING

UST Name:	UNDERGROUND TANK 103413 T009
Last Update:	2012-11-02 14:17:38
Permit Number:	103413
Tank Type:	DOUBLE WALL
Additional Id:	2 DIESEL
Capacity Gallons:	12000

STD OIL MARINA (Continued) **S101308204**

UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	NONE
Remove Close Date:	Not reported
Year Installed:	1984-01-01 00:00:00
Pipe Type:	LINED TRENCH
Delivery System:	PRESSURE
Monitor Code:	25
UST Monitor Method:	EXTERNAL MONITOR : CONTINUOUS VADOSE ZONE VAPOR MONITORS AND / OR WEEKLY (MINIMUM) VADOSE ZONE LIQUID MONITORING

UST Name:	UNDERGROUND TANK 103413 T010
Last Update:	2012-11-02 14:17:38
Permit Number:	103413
Tank Type:	DOUBLE WALL
Additional Id:	3 WAS A W.O. TANK.NOW USED AS RECOVERY TANK
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1991-01-15 00:00:00
Year Installed:	1984-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	Not reported
UST Monitor Method:	Not reported

SWEEPS UST:

Name:	STD OIL MARINA
Address:	2510 SHELTER ISLAND DR
City:	SAN DIEGO
Status:	Not reported
Comp Number:	3413
Number:	Not reported
Board Of Equalization:	44-021856
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003413-000001
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	8

Name:	STD OIL MARINA
Address:	2510 SHELTER ISLAND DR
City:	SAN DIEGO
Status:	Not reported
Comp Number:	3413
Number:	Not reported
Board Of Equalization:	44-021856
Referral Date:	Not reported

STD OIL MARINA (Continued) **S101308204**

Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003413-000002
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

Name:	STD OIL MARINA
Address:	2510 SHELTER ISLAND DR
City:	SAN DIEGO
Status:	Not reported
Comp Number:	3413
Number:	Not reported
Board Of Equalization:	44-021856
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003413-000003
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

Name:	STD OIL MARINA
Address:	2510 SHELTER ISLAND DR
City:	SAN DIEGO
Status:	Not reported
Comp Number:	3413
Number:	Not reported
Board Of Equalization:	44-021856
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003413-000004
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

Name:	STD OIL MARINA
Address:	2510 SHELTER ISLAND DR
City:	SAN DIEGO
Status:	Not reported
Comp Number:	3413

STD OIL MARINA (Continued) **S101308204**

Number: Not reported
Board Of Equalization: 44-021856
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003413-000005
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: STD OIL MARINA
Address: 2510 SHELTER ISLAND DR
City: SAN DIEGO
Status: Not reported
Comp Number: 3413
Number: Not reported
Board Of Equalization: 44-021856
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003413-000006
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: STD OIL MARINA
Address: 2510 SHELTER ISLAND DR
City: SAN DIEGO
Status: Not reported
Comp Number: 3413
Number: Not reported
Board Of Equalization: 44-021856
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003413-000007
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: STD OIL MARINA
Address: 2510 SHELTER ISLAND DR

STD OIL MARINA (Continued) **S101308204**

City:	SAN DIEGO
Status:	Not reported
Comp Number:	3413
Number:	Not reported
Board Of Equalization:	44-021856
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003413-000010
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	WASTE
Content:	Not reported
Number Of Tanks:	Not reported

Name:	STD OIL MARINA
Address:	2510 SHELTER ISLAND DR
City:	SAN DIEGO
Status:	Active
Comp Number:	3413
Number:	9
Board Of Equalization:	44-021856
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003413-000008
Tank Status:	A
Capacity:	12000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	OTHER
Number Of Tanks:	2

Name:	STD OIL MARINA
Address:	2510 SHELTER ISLAND DR
City:	SAN DIEGO
Status:	Active
Comp Number:	3413
Number:	9
Board Of Equalization:	44-021856
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003413-000009
Tank Status:	A
Capacity:	12000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	OTHER
Number Of Tanks:	Not reported

STD OIL MARINA (Continued) **S101308204**

CORTESE:

Name:	STD OIL MARINA
Address:	2510 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 921063114
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607303203
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	OPEN - ELIGIBLE FOR CLOSURE
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

ENF:

Name:	CHEVRON SS
Address:	2510 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA
Region:	9
Facility Id:	214266
Agency Name:	Chevron USA Inc La Habra
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	5541
SIC Desc 1:	Gasoline Service Stations
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported

STD OIL MARINA (Continued) **S101308204**

Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	9 000212N85
Reg Measure Id:	160986
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	220631
Region:	9
Order / Resolution Number:	LT860923
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	09/23/1986
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000212N85
Description:	UNKNOWN
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0

STD OIL MARINA (Continued) **S101308204**

Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	CHEVRON SS
Address:	2510 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA
Region:	9
Facility Id:	214266
Agency Name:	Chevron USA Inc La Habra
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	5541
SIC Desc 1:	Gasoline Service Stations
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	9 000212N85
Reg Measure Id:	160986
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005

STD OIL MARINA (Continued) **S101308204**

Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	220630
Region:	9
Order / Resolution Number:	LT851101
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	11/01/1985
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000212N85
Description:	UNKNOWN
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	CHEVRON SS
Address:	2510 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA
Region:	9
Facility Id:	214266
Agency Name:	Chevron USA Inc La Habra
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	5541
SIC Desc 1:	Gasoline Service Stations
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported

STD OIL MARINA (Continued) **S101308204**

NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	9 000212N85
Reg Measure Id:	160986
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	220049
Region:	9
Order / Resolution Number:	96-042
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	05/09/1996
Adoption/Issuance Date:	Not reported
Achieve Date:	5/9/1996
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical

STD OIL MARINA (Continued) **S101308204**

Title:	Enforcement - 9 000212N85
Description:	UNKNOWN
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

HIST CORTESE:

edr_fname:	HIGH SEAS TUNA MARINE STA
edr_fadd1:	2510 SHELTER ISLAND
City,State,Zip:	SAN DIEGO, CA
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT97

edr_fname:	DRISCOLL, INC.
edr_fadd1:	2510 SHELTER ISLAND
City,State,Zip:	SAN DIEGO, CA
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1894

CERS:

Name:	STD OIL MARINA
Address:	2510 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 921063114
Site ID:	223194
CERS ID:	T0607303203
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	LALITHA THOTAKURA - SAN DIEGO RWQCB (REGION 9)
Entity Title:	Not reported
Affiliation Address:	2375 NORTHSIDE DRIVE, SUITE 100
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6195213002,

N60 **SW** **1/4-1/2** **0.295 mi.** **1556 ft.**	**DRISCOLL CUSTOM BOATS** **2500 SHELTER ISLAND DR** **SAN DIEGO, CA 92106** **Site 3 of 4 in cluster N**	**SAN DIEGO CO. SAM** **San Diego Co. HMMD** **Cortese** **Notify 65** **WDS**	**S100179006** **N/A**

Relative: **Lower**

Actual: **5 ft.**

SAN DIEGO CO. SAM:

Name: DRISCOLL CUSTOM BOATS
Address: 2500 SHELTER ISLAND DR
City,State,Zip: SAN DIEGO, CA 921063114
Case Number: H09719-001
Agency: CA Regional Water Quality Control Board
Funding: **Non Billable**
Facility Type: Soils Only
Facility Status: Leak Being Confirmed
Date: 6/23/1989
Date Began: 6/23/1989

Name: DRISCOLL CUSTOM BOATS
Address: 2500 SHELTER ISLAND DR
City,State,Zip: SAN DIEGO, CA 921063114
Case Number: H09719-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Preliminary Assessment
Date: 1/16/1991
Date Began: 1/15/1991

HMMD SAN DIEGO:

Name: DRISCOLL CUSTOM BOATS
Address: 2500 SHELTER ISLAND DR
City,State,Zip: SAN DIEGO, CA 92106
Permit Number: Not reported
Business Type: Not reported
EPA Id Number: CAD982036683
APN: Not reported
Last HMMD Inspection: Not reported
Facility Telephone: 619-226-2500
Permit Status: Permit Renewed
Permit Expiration: Not reported
Date Last Updated: 12/28/2021
Facility Owner: Not reported
Facility Mailing Address: 2500 SHELTER ISLAND DR, SAN DIEGO, CA 92106
Facility Mailing City: Not reported
Facility Mailing State: Not reported
Facility Mailing Zip: Not reported
UST Owner: N
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: N
Generate Medical Waste: Not reported

UST DTL:

Record ID: DEH2002-HUPFP-109719
Permit Status: Permit Renewed
Active Permit: Y

DRISCOLL CUSTOM BOATS (Continued) **S100179006**

Facility Id Number:	37-000-109719
Facility Type (Ust Facility):	Not reported
Tank Owner Name:	Thomas A Driscoll
Tankid:	20684
Tank Status:	Removed
Date Ust Permanently Closed:	01/18/1996
Tank Use:	01
Piping System Type:	Not reported
Last Updated:	2021-12-28T02:33:20.000
Tank Capacityin Gallons:	12000
Tank Contents:	Diesel
Type Of Tank:	05

Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-109719
Facility Type (Ust Facility):	Not reported
Tank Owner Name:	Thomas A Driscoll
Tankid:	20682
Tank Status:	Removed
Date Ust Permanently Closed:	01/25/1991
Tank Use:	04
Piping System Type:	Not reported
Last Updated:	2021-12-28T02:33:20.000
Tank Capacityin Gallons:	1000
Tank Contents:	Not reported
Type Of Tank:	95

Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-109719
Facility Type (Ust Facility):	Not reported
Tank Owner Name:	Thomas A Driscoll
Tankid:	20683
Tank Status:	Removed
Date Ust Permanently Closed:	01/18/1996
Tank Use:	01
Piping System Type:	Not reported
Last Updated:	2021-12-28T02:33:20.000
Tank Capacityin Gallons:	12000
Tank Contents:	Diesel
Type Of Tank:	05

Waste and Materials:

Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0127396
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-01-31T02:32:55.000
Chemical Name:	OXYGEN GAS
Common Name:	OXYGEN GAS
Case Number:	7782-44-7

DRISCOLL CUSTOM BOATS (Continued) **S100179006**

Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0127397
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-01-31T02:32:55.000
Chemical Name:	PROPANE
Common Name:	PROPANE
Case Number:	68476-85-7

Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0127398
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-01-31T02:32:55.000
Chemical Name:	ACETYLENE
Common Name:	ACETYLENE
Case Number:	74-86-2

Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0127399
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-01-31T02:32:55.000
Chemical Name:	DIESEL
Common Name:	DIESEL
Case Number:	68476-34-6

Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0127400
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2018-01-31T02:32:55.000
Chemical Name:	PAINT & PAINT MATERIALS
Common Name:	PAINT & PAINT MATERIALS
Case Number:	8030-31-7

Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0106382
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-01-31T02:32:55.000
Chemical Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Common Name:	OILY ABSORBENT
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed

DRISCOLL CUSTOM BOATS (Continued) **S100179006**

Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0106383
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-01-31T02:32:55.000
Chemical Name:	WASTE 461 PAINT SLUDGE
Common Name:	ACETONE/PAINT SLUDGE
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0106384
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-01-31T02:32:55.000
Chemical Name:	WASTE 222 OIL/WATER SEPARATION SLUDGE
Common Name:	OIL/WATER SPRTN SLUDGE
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0106385
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-01-31T02:32:55.000
Chemical Name:	WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Common Name:	CONTAMINATED DIESEL
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0106386
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-01-31T02:32:55.000
Chemical Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Common Name:	WASTE ANTIFREEZE
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0106387
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-01-31T02:32:55.000
Chemical Name:	WASTE 551 LABORATORY WASTE CHEMICALS
Common Name:	LAB PACK CHEMICALS
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0106388

DRISCOLL CUSTOM BOATS (Continued) **S100179006**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-31T02:32:55.000
Chemical Name: WASTE 241 TANK BOTTOM WASTE
Common Name: BILGE WATER
Case Number: Not reported

Record ID: DEH2002-HUPFP-109719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0106389
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-31T02:32:55.000
Chemical Name: WASTE 791 LIQUIDS WITH PH <OR= 2
Common Name: USED MURIATIC ACID/METHYL BENZENE
Case Number: Not reported

Record ID: DEH2002-HUPFP-109719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0106390
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-31T02:32:55.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: USED OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-109719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0216821
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-12-28T02:33:20.000
Chemical Name: PAINT & PAINT MATERIALS
Common Name: PAINT & PAINT MATERIALS
Case Number: 8030-31-7

Record ID: DEH2002-HUPFP-109719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0186931
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-28T02:33:20.000
Chemical Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Common Name: OILY ABSORBENT
Case Number: Not reported

Record ID: DEH2002-HUPFP-109719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0186936
Trade Secret: N
Hazardous Material Type: Not reported

DRISCOLL CUSTOM BOATS (Continued) **S100179006**

Last Updated:	2021-12-28T02:33:20.000
Chemical Name:	WASTE 551 LABORATORY WASTE CHEMICALS
Common Name:	LAB PACK CHEMICALS
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0186937
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-12-28T02:33:20.000
Chemical Name:	WASTE 241 TANK BOTTOM WASTE
Common Name:	BILGE WATER
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0186939
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-12-28T02:33:20.000
Chemical Name:	WASTE 221 WASTE OIL & MIXED OIL
Common Name:	USED OIL
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0186933
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-12-28T02:33:20.000
Chemical Name:	WASTE 222 OIL/WATER SEPARATION SLUDGE
Common Name:	OIL/WATER SPRTN SLUDGE
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0186934
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-12-28T02:33:20.000
Chemical Name:	WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Common Name:	CONTAMINATED DIESEL
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0186935
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-12-28T02:33:20.000
Chemical Name:	WASTE 342 ORGANIC LIQUIDS W/METALS

DRISCOLL CUSTOM BOATS (Continued) **S100179006**

Common Name:	WASTE ANTIFREEZE
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0216818
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-12-28T02:33:20.000
Chemical Name:	OXYGEN GAS
Common Name:	OXYGEN GAS
Case Number:	7782-44-7
Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0216819
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-12-28T02:33:20.000
Chemical Name:	PROPANE
Common Name:	PROPANE
Case Number:	68476-85-7
Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0216820
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-12-28T02:33:20.000
Chemical Name:	DIESEL
Common Name:	DIESEL
Case Number:	68476-34-6
Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0216822
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-12-28T02:33:20.000
Chemical Name:	ACETYLENE
Common Name:	ACETYLENE
Case Number:	74-86-2
Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0186932
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-12-28T02:33:20.000
Chemical Name:	WASTE 461 PAINT SLUDGE
Common Name:	ACETONE/PAINT SLUDGE
Case Number:	Not reported

DRISCOLL CUSTOM BOATS (Continued) **S100179006**

Record ID: DEH2002-HUPFP-109719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0186938
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-28T02:33:20.000
Chemical Name: WASTE 791 LIQUIDS WITH PH <OR= 2
Common Name: USED MURIATIC ACID/METHYL BENZENE
Case Number: Not reported

Record ID: DEH2002-HUPFP-109719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0191368
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-01-09T02:34:40.000
Chemical Name: OXYGEN GAS
Common Name: OXYGEN GAS
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-109719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0191369
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-01-09T02:34:40.000
Chemical Name: PROPANE
Common Name: PROPANE
Case Number: 68476-85-7

Record ID: DEH2002-HUPFP-109719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0191370
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-01-09T02:34:40.000
Chemical Name: ACETYLENE
Common Name: ACETYLENE
Case Number: 74-86-2

Record ID: DEH2002-HUPFP-109719
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0191371
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-01-09T02:34:40.000
Chemical Name: DIESEL
Common Name: DIESEL
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-109719
Permit Status: Permit Renewed

DRISCOLL CUSTOM BOATS (Continued) **S100179006**

Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0191372
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-01-09T02:34:40.000
Chemical Name:	PAINT & PAINT MATERIALS
Common Name:	PAINT & PAINT MATERIALS
Case Number:	8030-31-7

Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0165673
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-01-09T02:34:40.000
Chemical Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Common Name:	OILY ABSORBENT
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0165674
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-01-09T02:34:40.000
Chemical Name:	WASTE 461 PAINT SLUDGE
Common Name:	ACETONE/PAINT SLUDGE
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0165675
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-01-09T02:34:40.000
Chemical Name:	WASTE 222 OIL/WATER SEPARATION SLUDGE
Common Name:	OIL/WATER SPRTN SLUDGE
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0165676
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-01-09T02:34:40.000
Chemical Name:	WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Common Name:	CONTAMINATED DIESEL
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0165677

DRISCOLL CUSTOM BOATS (Continued) **S100179006**

Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-01-09T02:34:40.000
Chemical Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Common Name:	WASTE ANTIFREEZE
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0165678
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-01-09T02:34:40.000
Chemical Name:	WASTE 551 LABORATORY WASTE CHEMICALS
Common Name:	LAB PACK CHEMICALS
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0165679
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-01-09T02:34:40.000
Chemical Name:	WASTE 241 TANK BOTTOM WASTE
Common Name:	BILGE WATER
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0165680
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-01-09T02:34:40.000
Chemical Name:	WASTE 791 LIQUIDS WITH PH <OR= 2
Common Name:	USED MURIATIC ACID/METHYL BENZENE
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-109719
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0165681
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-01-09T02:34:40.000
Chemical Name:	WASTE 221 WASTE OIL & MIXED OIL
Common Name:	USED OIL
Case Number:	Not reported

Name:	DRISCOLL CUSTOM BOATS
Address:	2500 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	109719
Business Type:	6HK33

DRISCOLL CUSTOM BOATS (Continued) **S100179006**

EPA Id Number:	CAD982036683
APN:	760-003-29-00
Last HMMD Inspection:	07/07/2011
Facility Telephone:	619-226-2500
Permit Status:	OPEN
Permit Expiration:	01/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	JOHN G DRISCOLL
Facility Mailing Address:	2500 SHELTER ISLAND DR
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92106
UST Owner:	DRISCOLL YACHTS
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	109719
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	109719
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Permit Number:	109719
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OILS, LUBRICATING
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Permit Number:	109719
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	109719

DRISCOLL CUSTOM BOATS (Continued) **S100179006**

Update Date:	11/02/2012
Case Number:	8030-31-7
Name:	PAINT & PAINT MATERIALS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Permit Number:	109719
Update Date:	11/02/2012
Case Number:	68476-85-7
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported
Permit Number:	109719
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	109719
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 222 OIL/WATER SEPARATION SLUDGE
Other Information:	OIL/WATER SPRTN SLUDGE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	109719
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information:	ABSORBENT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	109719
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 241 TANK BOTTOM WASTE
Other Information:	BILGE WATER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	109719
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS

DRISCOLL CUSTOM BOATS (Continued) **S100179006**

Other Information: WASTE GREASE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109719
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: WASTE ANTIFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109719
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: CONTAMINATED DIESEL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109719
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: USED LEAD ACID BATTERIES/INTERSTATE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109719
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: ACETONE/PAINT SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109719
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 551 LABORATORY WASTE CHEMICALS
Other Information: LAB PACK CHEMICALS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 109719
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 791 LIQUIDS WITH PH <OR= 2
Other Information: USED MURIATIC ACID/METHYL BENZENE
Material Waste: Waste
Hazardous Categories 1: Not reported

DRISCOLL CUSTOM BOATS (Continued) **S100179006**

Hazardous Categories 2: Not reported

Permit Number: 109719
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 109719
Update Date: 11/02/2012
Inspection Date: 05/15/2008
Violation Code: 6HV1018
Violation: INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation: Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity: ACTIVE

Permit Number: 109719
Update Date: 11/02/2012
Inspection Date: 05/15/2008
Violation Code: 6HV1014
Violation: HMBP INCOMPLETE/NOT AMENDED
Violation Citation: HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity: ACTIVE

Permit Number: 109719
Update Date: 11/02/2012
Inspection Date: 05/15/2008
Violation Code: 6HV0226
Violation: HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation: Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity: ACTIVE

Permit Number: 109719
Update Date: 11/02/2012
Inspection Date: 05/15/2008
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Permit Number: 109719
Update Date: 11/02/2012
Inspection Date: 05/15/2008
Violation Code: 6HV0229
Violation: HW CONTAINERS NOT INSPECTED WEEKLY
Violation Citation: Failed to conduct weekly inspections. CFR 265.174
Activity: ACTIVE

Permit Number: 109719
Update Date: 11/02/2012

DRISCOLL CUSTOM BOATS (Continued) **S100179006**

Inspection Date:	05/15/2008
Violation Code:	6HV0230
Violation:	FAILED TO MAINTAIN AISLE SPACE
Violation Citation:	Failed to maintain aisle space. CFR 265.35
Activity:	ACTIVE

Permit Number:	109719
Update Date:	11/02/2012
Inspection Date:	05/15/2008
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE

Permit Number:	109719
Update Date:	11/02/2012
Inspection Date:	05/15/2008
Violation Code:	6HV0407
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	ACTIVE

Permit Number:	109719
Update Date:	11/02/2012
Inspection Date:	07/07/2011
Violation Code:	6HV0138
Violation:	NO TSDF SIGNED MANIFEST ONSITE
Violation Citation:	Generator has not maintained the required signed copy of the hazardous waste manifest from the TSD facility on site for review. CCR 66262.40(a)
Activity:	ACTIVE

Permit Number:	109719
Update Date:	11/02/2012
Inspection Date:	07/07/2011
Violation Code:	6HV0226
Violation:	HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation:	Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity:	ACTIVE

Permit Number:	109719
Update Date:	11/02/2012
Inspection Date:	09/20/2004
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE

UST:

UST Name:	UNDERGROUND TANK 109719 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	109719
Tank Type:	UNKNOWN
Additional Id:	AT2151

DRISCOLL CUSTOM BOATS (Continued) **S100179006**

Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1991-01-25 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 109719 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	109719
Tank Type:	SINGLE WALL IN VAULT
Additional Id:	002
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1996-01-18 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	Not reported
Monitor Code:	25
UST Monitor Method:	EXTERNAL MONITOR : CONTINUOUS VADOSE ZONE VAPOR MONITORS AND / OR WEEKLY (MINIMUM) VADOSE ZONE LIQUID MONITORING

UST Name:	UNDERGROUND TANK 109719 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	109719
Tank Type:	SINGLE WALL IN VAULT
Additional Id:	002
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1996-01-18 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	Not reported
Monitor Code:	25
UST Monitor Method:	EXTERNAL MONITOR : CONTINUOUS VADOSE ZONE VAPOR MONITORS AND / OR WEEKLY (MINIMUM) VADOSE ZONE LIQUID MONITORING

CORTESE:

Name:	DRISCOLL CUSTOM BOATS
Address:	2500 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 921063114
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607300674
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported

DRISCOLL CUSTOM BOATS (Continued) **S100179006**

Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

NOTIFY 65:

Name:	DRISCOLL CUSTOM BOATS
Address:	Not reported
City,State,Zip:	CA 94596
Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported
Global ID:	Not reported
Status:	Not reported

WDS:

Name:	DRISCOLL CUSTOM BOATS
Address:	2500 SHELTER ISLAND DR
City:	SAN DIEGO
Facility ID:	San Diego 000000484
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CA0109061 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	9
Facility Telephone:	Not reported
Facility Contact:	THOMAS A. DRISCOLL PRESIDENT
Agency Name:	DRISCOLL INC
Agency Address:	2500 SHELTER ISLAND DR
Agency City,St,Zip:	SAN DIEGO 92106
Agency Contact:	THOMAS A. DRISCOLL PRESIDENT
Agency Telephone:	Not reported
Agency Type:	Private
SIC Code:	3732
SIC Code 2:	Not reported

DRISCOLL CUSTOM BOATS (Continued) **S100179006**

Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste: PROCES
Waste Type2: D
Waste2: Process Waste (Waste produced as part of the industrial/manufacturing process)
Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste: Washwater Waste (Product washwater wastes: E.G., photo reuse wastewater, vegetable washwater)
Secondary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Design Flow: 0
Baseline Flow: 0
Reclamation: No reclamation requirements associated with this facility.
POTW: The facility is not a POTW.
Treat To Water: Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

N61
SW
1/4-1/2
0.295 mi.
1556 ft.

Relative:
Lower

Actual:
5 ft.

DRISCOLL CUSTOM BOATS (SAN DIEGO BAY)
2500 SHELTER ISLAND DRIVE
SAN DIEGO, CA 92106

Site 4 of 4 in cluster N

LUST
CPS-SLIC
CERS HAZ WASTE
ENF
HIST CORTESE
NPDES
CIWQS
CERS

S103963955
N/A

LUST:
Name: DRISCOLL CUSTOM BOATS
Address: 2500 SHELTER ISLAND DR
City,State,Zip: SAN DIEGO, CA 921063114
Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300674
Global Id: T0607300674
Latitude: 32.7198078
Longitude: -117.226132
Status: Completed - Case Closed
Status Date: 03/26/2010
Case Worker: EB
RB Case Number: 9UT1894
Local Agency: SAN DIEGO COUNTY LOP

DRISCOLL CUSTOM BOATS (SAN DIEGO BAY) (Continued) **S103963955**

File Location:	Local Agency
Local Case Number:	H09719-002
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	This case was opened because soil contamination was found during the removal of a waste oil tank in January 1991. The tank was located in an area near or in the midst of a free product plume from another UST release at the same location (Chevron High Seas Terminal H03413-001). The waste oil tank was double-walled fiberglass and noted in good condition without holes when removed. Chevron agreed to investigate the waste oil tank release and drilled two borings in adjacent to the former excavation in March 2009. Soil samples were analyzed for volatile organic compounds (VOCs) full scan using EPA Method 8260 (to determine if chlorinated compounds or solvents were present); for total petroleum hydrocarbons using EPA Method 8015B, and for Title 22 Metals. Groundwater samples were collected from four existing wells in the vicinity of the former waste oil tank and analyzed for VOCs using EPA Method 8260, for a fuel scan using EPA Method 8015B, and for Title 22 Metals. With the exception of acetone in soil, chlorinated and/or halogenated compounds were not detected in the soil or the groundwater. Total petroleum hydrocarbons as gasoline and VOCs detected were consistent with the prior release (H03413-001). Metals were not detected above levels of concern in soil. The groundwater samples were not filtered and therefore the metals concentrations may be elevated based on the presence of soil particulates. The consultant concluded that the presence of TPH as gasoline and fuel constitutents in groundwater indicated that the hydrocarbon plume from the previous release had impacted the area formerly occupied by the waste oil tank and any impacts that may have resulted from the waste oil tank will be addressed by remedial efforts to clean up this release (H03413-001). DEH concurs with this conclusion. See ESI for additional information.

LUST:

Global Id:	T0607300674
Contact Type:	Local Agency Caseworker
Contact Name:	Ellen Beacon
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	ellen.beacon@sdcounty.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0607300674
Action Type:	ENFORCEMENT
Date:	03/26/2010
Action:	Closure/No Further Action Letter
Global Id:	T0607300674
Action Type:	ENFORCEMENT
Date:	02/03/2010
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607300674
Action Type:	Other
Date:	01/15/1991

DRISCOLL CUSTOM BOATS (SAN DIEGO BAY) (Continued) **S103963955**

Action:	Leak Reported
Global Id:	T0607300674
Action Type:	Other
Date:	01/15/1991
Action:	Leak Began
Global Id:	T0607300674
Action Type:	ENFORCEMENT
Date:	01/16/1991
Action:	Notice of Responsibility
Global Id:	T0607300674
Action Type:	ENFORCEMENT
Date:	07/08/2009
Action:	Letter - Notice
Global Id:	T0607300674
Action Type:	Other
Date:	01/15/1991
Action:	Leak Stopped
Global Id:	T0607300674
Action Type:	RESPONSE
Date:	03/05/2010
Action:	Site Assessment Report
Global Id:	T0607300674
Action Type:	ENFORCEMENT
Date:	11/12/2008
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607300674
Action Type:	ENFORCEMENT
Date:	01/29/2009
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607300674
Action Type:	Other
Date:	01/15/1991
Action:	Leak Discovery

LUST:

Global Id:	T0607300674
Status:	Open - Case Begin Date
Status Date:	01/15/1991
Global Id:	T0607300674
Status:	Open - Site Assessment
Status Date:	01/16/1991
Global Id:	T0607300674
Status:	Completed - Case Closed
Status Date:	03/26/2010

DRISCOLL CUSTOM BOATS (SAN DIEGO BAY) (Continued) **S103963955**

CPS-SLIC:

Name:	COMMERCIAL BASIN (AMERICA'S CUP HARBOR) - DRISCOLL CUSTOM BOATS - BOATYARD SEDIMENT CLEANUP
Address:	2500 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	01/01/1998
Global Id:	SL189024175
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number:	H09719-001
Latitude:	32.7202720192108
Longitude:	-117.225517829188
Case Type:	Cleanup Program Site
Case Worker:	DTB
Local Agency:	Not reported
RB Case Number:	18902
File Location:	Not reported
Potential Media Affected:	Sediments, Surface water
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

CERS HAZ WASTE:

Name:	DRISCOLL CUSTOM BOATS
Address:	2500 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
Site ID:	391760
CERS ID:	10382473
CERS Description:	Hazardous Waste Generator

ENF:

Name:	DRISCOLL CUSTOM BOATS (SAN DIEGO BAY)
Address:	2500 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	220748
Agency Name:	Driscoll Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.719578
Place Longitude:	-117.22589
SIC Code 1:	1629
SIC Desc 1:	Heavy Construction, NEC
SIC Code 2:	3732
SIC Desc 2:	Boat Building and Repairing
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported

DRISCOLL CUSTOM BOATS (SAN DIEGO BAY) (Continued) **S103963955**

NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000484
Reg Measure Id:	388906
Reg Measure Type:	Enrollee - NPDES
Region:	9
Order #:	R9-2013-0026
Npdes# CA#:	CAG719001
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	11/07/2018
Effective Date:	10/01/2013
Expiration/Review Date:	09/30/2018
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	57 - RB SW industrial Permits (INDSTW)
Direction/Voice:	Passive
Enforcement Id(EID):	426657
Region:	9
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	11/21/2018
Adoption/Issuance Date:	11/21/2018
Achieve Date:	Not reported
Termination Date:	11/21/2018
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	SEL for Driscoll Inc.
Description:	Not reported
Program:	NPDNONMUNIPRCS

DRISCOLL CUSTOM BOATS (SAN DIEGO BAY) (Continued) **S103963955**

Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	DRISCOLL CUSTOM BOATS (SAN DIEGO BAY)
Address:	2500 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	220748
Agency Name:	Driscoll Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.719578
Place Longitude:	-117.22589
SIC Code 1:	1629
SIC Desc 1:	Heavy Construction, NEC
SIC Code 2:	3732
SIC Desc 2:	Boat Building and Repairing
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000484
Reg Measure Id:	307004
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2005-0147
Npdes# CA#:	CA0109061
Major-Minor:	Minor
Npdes Type:	Not reported

DRISCOLL CUSTOM BOATS (SAN DIEGO BAY) (Continued) **S103963955**

Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	08/13/2013
Effective Date:	12/14/2005
Expiration/Review Date:	12/14/2010
Termination Date:	09/30/2013
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	399401
Region:	9
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	01/15/2015
Adoption/Issuance Date:	01/15/2015
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	SEL for Driscoll Inc.1/15/15
Description:	Not reported
Program:	NPDINDSML
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	DRISCOLL CUSTOM BOATS (SAN DIEGO BAY)
Address:	2500 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	220748
Agency Name:	Driscoll Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.719578
Place Longitude:	-117.22589
SIC Code 1:	1629

DRISCOLL CUSTOM BOATS (SAN DIEGO BAY) (Continued) **S103963955**

SIC Desc 1:	Heavy Construction, NEC
SIC Code 2:	3732
SIC Desc 2:	Boat Building and Repairing
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000484
Reg Measure Id:	307004
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2005-0147
Npdes# CA#:	CA0109061
Major-Minor:	Minor
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	08/13/2013
Effective Date:	12/14/2005
Expiration/Review Date:	12/14/2010
Termination Date:	09/30/2013
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	385379
Region:	9
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	08/10/2012

DRISCOLL CUSTOM BOATS (SAN DIEGO BAY) (Continued) **S103963955**

Adoption/Issuance Date:	08/10/2012
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	SEL for Driscoll Inc.
Description:	Review of SMRs for Order No. R9-2005-0147; NPDES CA0109061; From the quarterly and annual reporting periods of April 2006 through December 2011.
Program:	NPDINDSML
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	DRISCOLL CUSTOM BOATS (SAN DIEGO BAY)
Address:	2500 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	220748
Agency Name:	Driscoll Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.719578
Place Longitude:	-117.22589
SIC Code 1:	1629
SIC Desc 1:	Heavy Construction, NEC
SIC Code 2:	3732
SIC Desc 2:	Boat Building and Repairing
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML

DRISCOLL CUSTOM BOATS (SAN DIEGO BAY) (Continued) **S103963955**

Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000484
Reg Measure Id:	148271
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2000-0207
Npdes# CA#:	CA0109061
Major-Minor:	Minor
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	12/31/2005
Effective Date:	10/11/2000
Expiration/Review Date:	12/31/2006
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	234782
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	05/31/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	05/31/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000484
Description:	Letter requesting verification of which observations were actually conducted, and revisions to discharger’s visual observations practices.
Program:	NPDINDSML
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	DRISCOLL CUSTOM BOATS (SAN DIEGO BAY)

DRISCOLL CUSTOM BOATS (SAN DIEGO BAY) (Continued) **S103963955**

Address:	2500 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	220748
Agency Name:	Driscoll Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.719578
Place Longitude:	-117.22589
SIC Code 1:	1629
SIC Desc 1:	Heavy Construction, NEC
SIC Code 2:	3732
SIC Desc 2:	Boat Building and Repairing
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000484
Reg Measure Id:	148271
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2000-0207
Npdes# CA#:	CA0109061
Major-Minor:	Minor
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	12/31/2005
Effective Date:	10/11/2000
Expiration/Review Date:	12/31/2006
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported

DRISCOLL CUSTOM BOATS (SAN DIEGO BAY) (Continued) **S103963955**

WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	234778
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	10/03/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	10/11/2000
Termination Date:	10/03/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000484
Description:	letter requesting: penalty of perjury statement for 2 Q 00; storm water visual observations; response to earlier information request re visual observations
Program:	NPDINDSML
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	DRISCOLL CUSTOM BOATS (SAN DIEGO BAY)
Address:	2500 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	220748
Agency Name:	Driscoll Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.719578
Place Longitude:	-117.22589
SIC Code 1:	1629
SIC Desc 1:	Heavy Construction, NEC
SIC Code 2:	3732
SIC Desc 2:	Boat Building and Repairing
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported

DRISCOLL CUSTOM BOATS (SAN DIEGO BAY) (Continued) **S103963955**

NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000484
Reg Measure Id:	148271
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2000-0207
Npdes# CA#:	CA0109061
Major-Minor:	Minor
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	12/31/2005
Effective Date:	10/11/2000
Expiration/Review Date:	12/31/2006
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	234132
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	03/06/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	3/3/2000
Termination Date:	03/06/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000484
Description:	enforcement letter requesting timely submittal of monitoring reports

DRISCOLL CUSTOM BOATS (SAN DIEGO BAY) (Continued) **S103963955**

Program:	NPDINDSML
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	DRISCOLL CUSTOM BOATS (SAN DIEGO BAY)
Address:	2500 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	220748
Agency Name:	Driscoll Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.719578
Place Longitude:	-117.22589
SIC Code 1:	1629
SIC Desc 1:	Heavy Construction, NEC
SIC Code 2:	3732
SIC Desc 2:	Boat Building and Repairing
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000484
Reg Measure Id:	148271
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2000-0207
Npdes# CA#:	CA0109061
Major-Minor:	Minor

DRISCOLL CUSTOM BOATS (SAN DIEGO BAY) (Continued) **S103963955**

Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	12/31/2005
Effective Date:	10/11/2000
Expiration/Review Date:	12/31/2006
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	233302
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	12/21/1999
Adoption/Issuance Date:	Not reported
Achieve Date:	12/30/1999
Termination Date:	12/21/1999
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000484
Description:	Failure to pay annual fee.
Program:	NPDINDSML
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	DRISCOLL CUSTOM BOATS (SAN DIEGO BAY)
Address:	2500 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	220748
Agency Name:	Driscoll Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.719578
Place Longitude:	-117.22589

DRISCOLL CUSTOM BOATS (SAN DIEGO BAY) (Continued) **S103963955**

SIC Code 1:	1629
SIC Desc 1:	Heavy Construction, NEC
SIC Code 2:	3732
SIC Desc 2:	Boat Building and Repairing
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000484
Reg Measure Id:	148271
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2000-0207
Npdes# CA#:	CA0109061
Major-Minor:	Minor
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	12/31/2005
Effective Date:	10/11/2000
Expiration/Review Date:	12/31/2006
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	221501
Region:	9
Order / Resolution Number:	89-031A2
Enforcement Action Type:	Clean-up and Abatement Order

DRISCOLL CUSTOM BOATS (SAN DIEGO BAY) (Continued) **S103963955**

Effective Date:	12/09/1991
Adoption/Issuance Date:	Not reported
Achieve Date:	8/16/2001
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000484
Description:	SET CLEANUP LEVELS AND AMEND TIME SCHEDULES.
Program:	NPDINDSML
Latest Milestone Completion Date:	8/16/2001
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	DRISCOLL CUSTOM BOATS (SAN DIEGO BAY)
Address:	2500 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	220748
Agency Name:	Driscoll Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.719578
Place Longitude:	-117.22589
SIC Code 1:	1629
SIC Desc 1:	Heavy Construction, NEC
SIC Code 2:	3732
SIC Desc 2:	Boat Building and Repairing
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW

DRISCOLL CUSTOM BOATS (SAN DIEGO BAY) (Continued) **S103963955**

Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000484
Reg Measure Id:	148271
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2000-0207
Npdes# CA#:	CA0109061
Major-Minor:	Minor
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	12/31/2005
Effective Date:	10/11/2000
Expiration/Review Date:	12/31/2006
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	221409
Region:	9
Order / Resolution Number:	89-031A4
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	12/20/1993
Adoption/Issuance Date:	Not reported
Achieve Date:	8/16/2001
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000484
Description:	UNKNOWN
Program:	NPDINDSML
Latest Milestone Completion Date:	8/16/2001
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	DRISCOLL CUSTOM BOATS (SAN DIEGO BAY)
Address:	2500 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9

DRISCOLL CUSTOM BOATS (SAN DIEGO BAY) (Continued) **S103963955**

Facility Id:	220748
Agency Name:	Driscoll Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.719578
Place Longitude:	-117.22589
SIC Code 1:	1629
SIC Desc 1:	Heavy Construction, NEC
SIC Code 2:	3732
SIC Desc 2:	Boat Building and Repairing
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000484
Reg Measure Id:	148271
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2000-0207
Npdes# CA#:	CA0109061
Major-Minor:	Minor
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	12/31/2005
Effective Date:	10/11/2000
Expiration/Review Date:	12/31/2006
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported

DRISCOLL CUSTOM BOATS (SAN DIEGO BAY) (Continued) **S103963955**

WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	221408
Region:	9
Order / Resolution Number:	89-031
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	03/09/1989
Adoption/Issuance Date:	Not reported
Achieve Date:	8/16/2001
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000484
Description:	UNKNOWN
Program:	NPDINDSML
Latest Milestone Completion Date:	8/16/2001
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	DRISCOLL CUSTOM BOATS (SAN DIEGO BAY)
Address:	2500 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	220748
Agency Name:	Driscoll Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.719578
Place Longitude:	-117.22589
SIC Code 1:	1629
SIC Desc 1:	Heavy Construction, NEC
SIC Code 2:	3732
SIC Desc 2:	Boat Building and Repairing
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0

DRISCOLL CUSTOM BOATS (SAN DIEGO BAY) (Continued) **S103963955**

Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000484
Reg Measure Id:	148271
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2000-0207
Npdes# CA#:	CA0109061
Major-Minor:	Minor
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	12/31/2005
Effective Date:	10/11/2000
Expiration/Review Date:	12/31/2006
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	221407
Region:	9
Order / Resolution Number:	89-031A1
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	07/10/1989
Adoption/Issuance Date:	Not reported
Achieve Date:	8/16/2001
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000484
Description:	UNKNOWN
Program:	NPDINDSML
Latest Milestone Completion Date:	8/16/2001
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0

DRISCOLL CUSTOM BOATS (SAN DIEGO BAY) (Continued) **S103963955**

Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	DRISCOLL CUSTOM BOATS (SAN DIEGO BAY)
Address:	2500 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	220748
Agency Name:	Driscoll Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.719578
Place Longitude:	-117.22589
SIC Code 1:	1629
SIC Desc 1:	Heavy Construction, NEC
SIC Code 2:	3732
SIC Desc 2:	Boat Building and Repairing
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000484
Reg Measure Id:	148271
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2000-0207
Npdes# CA#:	CA0109061
Major-Minor:	Minor
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical

DRISCOLL CUSTOM BOATS (SAN DIEGO BAY) (Continued) **S103963955**

Status Date:	12/31/2005
Effective Date:	10/11/2000
Expiration/Review Date:	12/31/2006
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	221406
Region:	9
Order / Resolution Number:	89-031A3
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	02/01/1993
Adoption/Issuance Date:	Not reported
Achieve Date:	8/16/2001
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000484
Description:	UNKNOWN
Program:	NPDINDSML
Latest Milestone Completion Date:	8/16/2001
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

HIST CORTESE:

edr_fname:	DRISCOLL CUSTOM BOATS
edr_fadd1:	2500 SHELTER ISLAND
City,State,Zip:	SAN DIEGO, CA 92106
Region:	CORTESE
Facility County Code:	37
Reg By:	WBC&D
Reg Id:	9 000000484

NPDES:

Name:	DRISCOLL CUSTOM BOATS (SAN DIEGO BAY)
Address:	2500 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Facility Status:	Historical
NPDES Number:	Not reported
Region:	9
Agency Number:	13243
Regulatory Measure ID:	388906

DRISCOLL CUSTOM BOATS (SAN DIEGO BAY) (Continued) **S103963955**

Place ID:	220748
Order Number:	Not reported
WDID:	Not reported
Regulatory Measure Type:	Enrollee - NPDES
Program Type:	NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/01/2013
Termination Date Of Regulatory Measure:	08/27/2020
Expiration Date Of Regulatory Measure:	10/01/2018
Discharge Address:	2500 Shelter Island Drive
Discharge Name:	Driscoll Inc.
Discharge City:	San Diego
Discharge State:	CA
Discharge Zip:	92106
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

Name:	DRISCOLL CUSTOM BOATS (SAN DIEGO BAY)
Address:	2500 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Facility Status:	Active
NPDES Number:	CAG719001
Region:	9
Agency Number:	13243
Regulatory Measure ID:	436214
Place ID:	220748
Order Number:	R9-2019-0008
WDID:	9 000000484
Regulatory Measure Type:	Enrollee - NPDES
Program Type:	NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	08/28/2020
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	01/31/2025
Discharge Address:	2500 Shelter Island Drive
Discharge Name:	Driscoll Inc.
Discharge City:	San Diego
Discharge State:	CA
Discharge Zip:	92106
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAG719001
Status:	Active
Agency Number:	13243
Region:	9
Regulatory Measure ID:	388906

DRISCOLL CUSTOM BOATS (SAN DIEGO BAY) (Continued) **S103963955**

Order Number:	R9-2013-0026
Regulatory Measure Type:	Enrollee
Place ID:	220748
WDID:	9 000000484
Program Type:	NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/01/2013
Expiration Date Of Regulatory Measure:	09/30/2018
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Driscoll Inc.
Discharge Address:	2500 Shelter Island Drive
Discharge City:	San Diego
Discharge State:	CA
Discharge Zip:	92106
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported

DRISCOLL CUSTOM BOATS (SAN DIEGO BAY) (Continued) **S103963955**

Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

NPDES Number:	CAG719001
Status:	Active
Agency Number:	13243
Region:	9
Regulatory Measure ID:	388906
Order Number:	R9-2013-0026
Regulatory Measure Type:	Enrollee
Place ID:	785854
WDID:	9 000000484
Program Type:	NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/01/2013
Expiration Date Of Regulatory Measure:	09/30/2018
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Driscoll Inc.
Discharge Address:	2500 Shelter Island Drive
Discharge City:	San Diego
Discharge State:	CA
Discharge Zip:	92106
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported

DRISCOLL CUSTOM BOATS (SAN DIEGO BAY) (Continued) **S103963955**

Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	DRISCOLL CUSTOM BOATS (SAN DIEGO BAY)
Address:	2500 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Agency:	Driscoll Inc.
Agency Address:	2500 Shelter Island Drive, San Diego, CA 92106
Place/Project Type:	Boatyard/Shipyard
SIC/NAICS:	1629(+)
Region:	9
Program:	NPDINDSML, NPDNONMUNIPRCS, WDR
Regulatory Measure Status:	Active
Regulatory Measure Type:	Enrollee - NPDES
Order Number:	R9-2019-0008
WDID:	9 000000484
NPDES Number:	CAG719001
Adoption Date:	Not reported
Effective Date:	08/28/2020
Termination Date:	Not reported
Expiration/Review Date:	01/31/2025
Design Flow:	0
Major/Minor:	Minor
Complexity:	C
TTWQ:	2

DRISCOLL CUSTOM BOATS (SAN DIEGO BAY) (Continued) **S103963955**

Enforcement Actions within 5 years: 1
Violations within 5 years: 2
Latitude: 32.719578
Longitude: -117.22589

CERS:
Name: DRISCOLL CUSTOM BOATS
Address: 2500 SHELTER ISLAND DR
City,State,Zip: SAN DIEGO, CA 921063114
Site ID: 214521
CERS ID: T0607300674
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: Ellen Beacon - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: DRISCOLL CUSTOM BOATS
Address: 2500 SHELTER ISLAND DR
City,State,Zip: SAN DIEGO, CA 92106
Site ID: 391760
CERS ID: 10382473
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-18-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Campanella Luke Inspection ID:5596218
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-27-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Joaquino Billie Marcos Inspection ID:4090959
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-18-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Campanella Luke Inspection ID:5596218
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP

DRISCOLL CUSTOM BOATS (SAN DIEGO BAY) (Continued) **S103963955**

Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-27-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Joaquino Billie Marcos Inspection ID:4090959
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-12-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Anderson Sean Inspection ID:6092276
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-12-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Anderson Sean Inspection ID:6092276
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Coordinates:

Site ID:	391760
Facility Name:	DRISCOLL CUSTOM BOATS
Env Int Type Code:	HMBP
Program ID:	10382473
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	32.719870
Longitude:	-117.226260

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Raul Hernandez
Entity Title:	Not reported
Affiliation Address:	2500 SHELTER ISLAND DR
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92106
Affiliation Phone:	,
Affiliation Type Desc:	Document Preparer
Entity Name:	Raul Hernandez
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported

DRISCOLL CUSTOM BOATS (SAN DIEGO BAY) (Continued) **S103963955**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Driscoll, Inc.
Entity Title:	Not reported
Affiliation Address:	2500 SHELTER ISLAND DR
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92106
Affiliation Phone:	(619) 226-2500,
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2500 SHELTER ISLAND DR
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92106
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Raul Hernandez
Entity Title:	Environmental & Safety Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	Thomas A Driscoll
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(619) 226-2500,
Affiliation Type Desc:	Parent Corporation
Entity Name:	DRISCOLL CUSTOM BOATS
Entity Title:	Not reported

DRISCOLL CUSTOM BOATS (SAN DIEGO BAY) (Continued) **S103963955**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

---

62 **South** **1/4-1/2** **0.297 mi.** **1566 ft.** **Relative:** **Lower** **Actual:** **1 ft.**	**KOEHLER KRAFT** **2302 SHELTER ISLAND DRIVE** **SAN DIEGO, CA 92106**	**SAN DIEGO CO. SAM** **CPS-SLIC** **San Diego Co. HMMD** **ENF** **NPDES** **WDS** **SAN DIEGO CO LOP** **CIWQS**	**S100725461** **N/A**

SAN DIEGO CO. SAM:

Name:	KOEHLER KRAFT CO INC
Address:	2302 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 921063110
Case Number:	H00861-001
Agency:	CA Regional Water Quality Control Board
Funding:	**Non Billable**
Facility Type:	Soils Only
Facility Status:	Leak Being Confirmed
Date:	6/23/1989
Date Began:	6/23/1989

CPS-SLIC:

Name:	COMMERCIAL BASIN (AMERICA’S CUP HARBOR) - KOEHLER KRAFT COMPANY
Address:	2302 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	09/01/1994
Global Id:	T10000005130
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number:	Not reported
Latitude:	32.7185836095898
Longitude:	-117.223511873016
Case Type:	Cleanup Program Site
Case Worker:	DTB
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Regional Board
Potential Media Affected:	Sediments, Surface water
Potential Contaminants of Concern:	Copper, Mercury (elemental), Other Metal
Site History:	The RWQCB handled the case under Cleanup and Abatement Order 89-32. The cleanup was related to elevated copper concentrations. The case was closed in 1994.

Click here to access the California GeoTracker records for this facility:

HMMD SAN DIEGO:

Name:	KOEHLER KRAFT CO INC
Address:	2302 SHELTER ISLAND DR

KOEHLER KRAFT (Continued) **S100725461**

City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	100861
Business Type:	6HK33
EPA Id Number:	CAL000076490
APN:	760-003-07-00
Last HMMD Inspection:	04/11/2000
Facility Telephone:	619-223-7376
Permit Status:	INAC
Permit Expiration:	11/30/2000
Date Last Updated:	11/02/2012
Facility Owner:	KOEHLER KRAFT CO INC
Facility Mailing Address:	2302 SHELTER ISLAND DR
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92106-3110
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

ENF:

Name:	KOEHLER KRAFT
Address:	2302 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	235175
Agency Name:	Koehler Kraft Company, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.718033
Place Longitude:	-117.22335
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff

KOEHLER KRAFT (Continued) **S100725461**

Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000474
Reg Measure Id:	388922
Reg Measure Type:	Enrollee - NPDES
Region:	9
Order #:	R9-2013-0026
Npdes# CA#:	CAG719001
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	11/07/2018
Effective Date:	10/01/2013
Expiration/Review Date:	09/01/2018
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	57 - RB SW industrial Permits (INDSTW)
Direction/Voice:	Passive
Enforcement Id(EID):	426664
Region:	9
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	11/21/2018
Adoption/Issuance Date:	11/21/2018
Achieve Date:	Not reported
Termination Date:	11/21/2018
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	SEL for Koehler Kraft Company, Inc.
Description:	Not reported
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

KOEHLER KRAFT (Continued) **S100725461**

Name:	KOEHLER KRAFT
Address:	2302 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	235175
Agency Name:	Koehler Kraft Company, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.718033
Place Longitude:	-117.22335
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESSW
# Of Programs:	1
WDID:	9 000000474
Reg Measure Id:	388922
Reg Measure Type:	Enrollee - NPDES
Region:	9
Order #:	R9-2013-0026
Npdes# CA#:	CAG719001
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	11/07/2018
Effective Date:	10/01/2013
Expiration/Review Date:	09/01/2018
Termination Date:	Not reported
WDR Review - Amend:	Not reported

KOEHLER KRAFT (Continued) **S100725461**

WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	57 - RB SW industrial Permits (INDSTW)
Direction/Voice:	Passive
Enforcement Id(EID):	400810
Region:	9
Order / Resolution Number:	R9-2015-0077
Enforcement Action Type:	Notice of Violation
Effective Date:	10/30/2015
Adoption/Issuance Date:	10/30/2015
Achieve Date:	Not reported
Termination Date:	10/30/2015
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV R9-2015-0077 for Koehler Kraft Company, Inc. (Failure to Submit WQ Montg Plan or Cat 2 Report)
Description:	NOV for failure to submitt a sediment and receiving water monitoring plan or a Cat 2 report
Program:	INDSTW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	KOEHLER KRAFT
Address:	2302 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	235175
Agency Name:	Koehler Kraft Company, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.718033
Place Longitude:	-117.22335
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported

KOEHLER KRAFT (Continued) **S100725461**

NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000474
Reg Measure Id:	388922
Reg Measure Type:	Enrollee - NPDES
Region:	9
Order #:	R9-2013-0026
Npdes# CA#:	CAG719001
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	11/07/2018
Effective Date:	10/01/2013
Expiration/Review Date:	09/01/2018
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	57 - RB SW industrial Permits (INDSTW)
Direction/Voice:	Passive
Enforcement Id(EID):	396856
Region:	9
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	07/03/2014
Adoption/Issuance Date:	07/03/2014
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	SEL for Koehler Kraft Company, Inc.
Description:	Not reported

KOEHLER KRAFT (Continued) **S100725461**

Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	KOEHLER KRAFT
Address:	2302 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	235175
Agency Name:	Koehler Kraft Company, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.718033
Place Longitude:	-117.22335
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000474
Reg Measure Id:	307011
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2005-0150
Npdes# CA#:	CA0109096
Major-Minor:	Minor

KOEHLER KRAFT (Continued) **S100725461**

Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	08/13/2013
Effective Date:	01/01/2006
Expiration/Review Date:	12/14/2010
Termination Date:	09/30/2013
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	403531
Region:	9
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	12/15/2015
Adoption/Issuance Date:	12/15/2015
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	SEL for Koehler Kraft Company, Inc.
Description:	Not reported
Program:	NPDINDSML
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	KOEHLER KRAFT
Address:	2302 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	235175
Agency Name:	Koehler Kraft Company, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.718033
Place Longitude:	-117.22335

KOEHLER KRAFT (Continued) **S100725461**

SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000474
Reg Measure Id:	307011
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2005-0150
Npdes# CA#:	CA0109096
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	08/13/2013
Effective Date:	01/01/2006
Expiration/Review Date:	12/14/2010
Termination Date:	09/30/2013
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	385561
Region:	9
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter

KOEHLER KRAFT (Continued) **S100725461**

Effective Date:	Not reported
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	06/20/2012
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	06/20/2012 SEL for Koehler Kraft
Description:	Review of quarterly SMRs: Oct-Dec 2011 & Jan-Mar 2012.
Program:	NPDINDSML
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	KOEHLER KRAFT
Address:	2302 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	235175
Agency Name:	Koehler Kraft Company, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.718033
Place Longitude:	-117.22335
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Stormwater runoff
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW

KOEHLER KRAFT (Continued) **S100725461**

Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000474
Reg Measure Id:	307011
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2005-0150
Npdes# CA#:	CA0109096
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	08/13/2013
Effective Date:	01/01/2006
Expiration/Review Date:	12/14/2010
Termination Date:	09/30/2013
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Active
Enforcement Id(EID):	383046
Region:	9
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	Not reported
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	02/10/2012 SEL for Order No. R9-2005-0150; Koehler Kraft
Description:	The review of October-December 2005 through July-September 2011 quarterly SMRs & July 2005-June 2006 through July 2010-June 2011 annual SMRs. Order No. R9-2005-0150, NPDES No. CA0109312. Koehler Kraft
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	KOEHLER KRAFT

KOEHLER KRAFT (Continued) **S100725461**

Address:	2302 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	235175
Agency Name:	Koehler Kraft Company, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.718033
Place Longitude:	-117.22335
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000474
Reg Measure Id:	213848
Reg Measure Type:	Enrollee
Region:	9
Order #:	R9-2000-0210
Npdes# CA#:	CAG719001
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	07/15/2013
Effective Date:	09/13/1991
Expiration/Review Date:	Not reported
Termination Date:	12/31/2005
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported

KOEHLER KRAFT (Continued) **S100725461**

WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	256346
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	05/03/2005
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	05/03/2005
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000474
Description:	Violations of Order No.2000-210-failure to provide and maintain monitoring records, hazardous waste manifiest forms and implement SWPPP (tf,5/3/2005).
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	KOEHLER KRAFT
Address:	2302 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	235175
Agency Name:	Koehler Kraft Company, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.718033
Place Longitude:	-117.22335
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported

KOEHLER KRAFT (Continued) **S100725461**

NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000474
Reg Measure Id:	213848
Reg Measure Type:	Enrollee
Region:	9
Order #:	R9-2000-0210
Npdes# CA#:	CAG719001
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	07/15/2013
Effective Date:	09/13/1991
Expiration/Review Date:	Not reported
Termination Date:	12/31/2005
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	248638
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	09/05/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	09/05/2002
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000474
Description:	Report incomplete. Missing information received Sept. 26, ack. letter sent on 10/4. JRP (10/4/02)

KOEHLER KRAFT (Continued) **S100725461**

Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	9/26/2002
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	KOEHLER KRAFT
Address:	2302 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	235175
Agency Name:	Koehler Kraft Company, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.718033
Place Longitude:	-117.22335
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000474
Reg Measure Id:	213848
Reg Measure Type:	Enrollee
Region:	9
Order #:	R9-2000-0210
Npdes# CA#:	CAG719001
Major-Minor:	Not reported

KOEHLER KRAFT (Continued) **S100725461**

Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	07/15/2013
Effective Date:	09/13/1991
Expiration/Review Date:	Not reported
Termination Date:	12/31/2005
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	240372
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	02/11/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	02/11/2002
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000474
Description:	Incomplete report.
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	KOEHLER KRAFT
Address:	2302 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	235175
Agency Name:	Koehler Kraft Company, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.718033
Place Longitude:	-117.22335

KOEHLER KRAFT (Continued) **S100725461**

SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000474
Reg Measure Id:	148274
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2000-0210
Npdes# CA#:	CA0109096
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	12/13/2005
Effective Date:	10/11/2000
Expiration/Review Date:	12/13/2005
Termination Date:	12/13/2005
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	234665
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter

KOEHLER KRAFT (Continued) **S100725461**

Effective Date:	10/20/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Withdrawn
Title:	Enforcement - 9 000000474
Description:	13267 letter with final request for Report of Waste Discharge information for NPDES permit renewal; application due April 12, 2000. Renewal in 2005. Recommend dropping this action, provide strict oversight during renewal in 2005. JRP 3-4-03
Program:	NPDINDSML
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	KOEHLER KRAFT
Address:	2302 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	235175
Agency Name:	Koehler Kraft Company, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.718033
Place Longitude:	-117.22335
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste

KOEHLER KRAFT (Continued) **S100725461**

Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000474
Reg Measure Id:	148274
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2000-0210
Npdes# CA#:	CA0109096
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	12/13/2005
Effective Date:	10/11/2000
Expiration/Review Date:	12/13/2005
Termination Date:	12/13/2005
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	234569
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	10/19/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	10/19/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000474
Description:	Discharger was late in submitting quarterly reports for the 3rd and 4th quarters of 1999 and for the 1st and 2nd quarters of 2000. Annual (July 1999 - June 2000) monitoring report was also submitted late.
Program:	NPDINDSML
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0

KOEHLER KRAFT (Continued) **S100725461**

Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	KOEHLER KRAFT
Address:	2302 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	235175
Agency Name:	Koehler Kraft Company, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.718033
Place Longitude:	-117.22335
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000474
Reg Measure Id:	148274
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2000-0210
Npdes# CA#:	CA0109096
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	12/13/2005
Effective Date:	10/11/2000

KOEHLER KRAFT (Continued) **S100725461**

Expiration/Review Date:	12/13/2005
Termination Date:	12/13/2005
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	234549
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	09/11/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	09/11/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000474
Description:	NOV 2000-219: Failure to submit RWD (permit app). Requests modifications to RWD before renewal is considered at 10/11/00 Board meeting. Notified discharger of risk of operating without a permit
Program:	NPDINDSML
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	KOEHLER KRAFT
Address:	2302 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	235175
Agency Name:	Koehler Kraft Company, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.718033
Place Longitude:	-117.22335
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported

KOEHLER KRAFT (Continued) **S100725461**

SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000474
Reg Measure Id:	148274
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2000-0210
Npdes# CA#:	CA0109096
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	12/13/2005
Effective Date:	10/11/2000
Expiration/Review Date:	12/13/2005
Termination Date:	12/13/2005
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	234175
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Oral Communication
Effective Date:	05/01/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	05/01/2000
ACL Issuance Date:	Not reported

KOEHLER KRAFT (Continued) **S100725461**

EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000474
Description:	Telephone call to discharger (after no call back from 4/27/00 message left by RB staff). Spoke with Suzanne Blanco re failure to submit RWD, SMR, and failure to pay annual fees. Staff requested compliance, and phone call in 1 week for progress update.
Program:	NPDINDSML
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	KOEHLER KRAFT
Address:	2302 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	235175
Agency Name:	Koehler Kraft Company, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.718033
Place Longitude:	-117.22335
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW

KOEHLER KRAFT (Continued) **S100725461**

# Of Programs:	1
WDID:	9 000000474
Reg Measure Id:	148274
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2000-0210
Npdes# CA#:	CA0109096
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	12/13/2005
Effective Date:	10/11/2000
Expiration/Review Date:	12/13/2005
Termination Date:	12/13/2005
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	233768
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	01/28/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	01/28/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000474
Description:	Staff letter requesting corrective actions dated 01/28/2000. Some actions to be taken in the form of corrections to subsequent reports, others in the form of resubmittals.
Program:	NPDINDSML
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	KOEHLER KRAFT
Address:	2302 SHELTER ISLAND DRIVE

KOEHLER KRAFT (Continued) **S100725461**

City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	235175
Agency Name:	Koehler Kraft Company, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.718033
Place Longitude:	-117.22335
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000474
Reg Measure Id:	148274
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2000-0210
Npdes# CA#:	CA0109096
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	12/13/2005
Effective Date:	10/11/2000
Expiration/Review Date:	12/13/2005
Termination Date:	12/13/2005
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported

KOEHLER KRAFT (Continued) **S100725461**

WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	221571
Region:	9
Order / Resolution Number:	89-032A2
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	12/09/1991
Adoption/Issuance Date:	Not reported
Achieve Date:	3/5/1995
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000474
Description:	SETS CLEANUP LEVELS AND AMENDS TIME SCHEDULE.
Program:	NPDINDSML
Latest Milestone Completion Date:	3/5/1995
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	KOEHLER KRAFT
Address:	2302 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	235175
Agency Name:	Koehler Kraft Company, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.718033
Place Longitude:	-117.22335
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1

KOEHLER KRAFT (Continued) **S100725461**

Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000474
Reg Measure Id:	148274
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2000-0210
Npdes# CA#:	CA0109096
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	12/13/2005
Effective Date:	10/11/2000
Expiration/Review Date:	12/13/2005
Termination Date:	12/13/2005
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	221570
Region:	9
Order / Resolution Number:	89-032A4
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	12/20/1993
Adoption/Issuance Date:	Not reported
Achieve Date:	3/5/1995
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000474
Description:	UNKNOWN
Program:	NPDINDSML
Latest Milestone Completion Date:	3/5/1995
# Of Programs1:	1
Total Assessment Amount:	0

KOEHLER KRAFT (Continued) **S100725461**

Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	KOEHLER KRAFT
Address:	2302 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	235175
Agency Name:	Koehler Kraft Company, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.718033
Place Longitude:	-117.22335
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000474
Reg Measure Id:	148274
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2000-0210
Npdes# CA#:	CA0109096
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N

KOEHLER KRAFT (Continued) **S100725461**

Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	12/13/2005
Effective Date:	10/11/2000
Expiration/Review Date:	12/13/2005
Termination Date:	12/13/2005
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	221569
Region:	9
Order / Resolution Number:	89-032
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	03/09/1989
Adoption/Issuance Date:	Not reported
Achieve Date:	3/5/1995
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000474
Description:	UNKNOWN
Program:	NPDINDSML
Latest Milestone Completion Date:	3/5/1995
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	KOEHLER KRAFT
Address:	2302 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	235175
Agency Name:	Koehler Kraft Company, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.718033
Place Longitude:	-117.22335
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported

KOEHLER KRAFT (Continued) **S100725461**

SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000474
Reg Measure Id:	148274
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2000-0210
Npdes# CA#:	CA0109096
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	12/13/2005
Effective Date:	10/11/2000
Expiration/Review Date:	12/13/2005
Termination Date:	12/13/2005
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	221505
Region:	9
Order / Resolution Number:	89-032A1
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	07/10/1989
Adoption/Issuance Date:	Not reported
Achieve Date:	3/5/1995
Termination Date:	Not reported

KOEHLER KRAFT (Continued) **S100725461**

ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000474
Description:	UNKNOWN
Program:	NPDINDSML
Latest Milestone Completion Date:	3/5/1995
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	KOEHLER KRAFT
Address:	2302 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	235175
Agency Name:	Koehler Kraft Company, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.718033
Place Longitude:	-117.22335
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000474
Reg Measure Id:	148274

KOEHLER KRAFT (Continued) **S100725461**

Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2000-0210
Npdes# CA#:	CA0109096
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	12/13/2005
Effective Date:	10/11/2000
Expiration/Review Date:	12/13/2005
Termination Date:	12/13/2005
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	221504
Region:	9
Order / Resolution Number:	89-032A3
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	02/01/1993
Adoption/Issuance Date:	Not reported
Achieve Date:	3/5/1995
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000474
Description:	UNKNOWN
Program:	NPDINDSML
Latest Milestone Completion Date:	3/5/1995
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	KOEHLER KRAFT
Address:	2302 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	235175
Agency Name:	Koehler Kraft Company, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard

KOEHLER KRAFT (Continued) **S100725461**

Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.718033
Place Longitude:	-117.22335
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000474
Reg Measure Id:	148274
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2000-0210
Npdes# CA#:	CA0109096
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	12/13/2005
Effective Date:	10/11/2000
Expiration/Review Date:	12/13/2005
Termination Date:	12/13/2005
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow

KOEHLER KRAFT (Continued) **S100725461**

Direction/Voice:	Passive
Enforcement Id(EID):	221503
Region:	9
Order / Resolution Number:	LT950222
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	02/22/1995
Adoption/Issuance Date:	Not reported
Achieve Date:	3/5/1995
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000474
Description:	UNKNOWN
Program:	NPDINDSML
Latest Milestone Completion Date:	3/5/1995
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	KOEHLER KRAFT
Address:	2302 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	9
Facility Id:	235175
Agency Name:	Koehler Kraft Company, Inc.
Place Type:	Manufacturing
Place Subtype:	Boatyard/Shipyard
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.718033
Place Longitude:	-117.22335
SIC Code 1:	3732
SIC Desc 1:	Boat Building and Repairing
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC

KOEHLER KRAFT (Continued) **S100725461**

Facility Waste Type 2:	Washwater waste
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDINDSML
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000474
Reg Measure Id:	148274
Reg Measure Type:	NPDES Permits
Region:	9
Order #:	R9-2000-0210
Npdes# CA#:	CA0109096
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	12/13/2005
Effective Date:	10/11/2000
Expiration/Review Date:	12/13/2005
Termination Date:	12/13/2005
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	66 - NPDES Based on Flow
Direction/Voice:	Passive
Enforcement Id(EID):	221502
Region:	9
Order / Resolution Number:	95-054
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	03/09/1995
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000474
Description:	RESCINDS CAO NO. 89-32 AND ALL ADDENDA THERETO.
Program:	NPDINDSML
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

KOEHLER KRAFT (Continued) **S100725461**

NPDES:

Name:	KOEHLER KRAFT
Address:	2302 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Facility Status:	Historical
NPDES Number:	CAG719001
Region:	9
Agency Number:	24440
Regulatory Measure ID:	388922
Place ID:	235175
Order Number:	Not reported
WDID:	9 000000474
Regulatory Measure Type:	Enrollee - NPDES
Program Type:	NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/01/2013
Termination Date Of Regulatory Measure:	09/02/2020
Expiration Date Of Regulatory Measure:	10/01/2018
Discharge Address:	2302 Shelter Island Drive
Discharge Name:	Koehler Kraft Company, Inc.
Discharge City:	San Diego
Discharge State:	CA
Discharge Zip:	92106
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAG719001
Status:	Active
Agency Number:	24440
Region:	9
Regulatory Measure ID:	388922
Order Number:	R9-2013-0026
Regulatory Measure Type:	Enrollee
Place ID:	785854
WDID:	9 000000474
Program Type:	NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/01/2013
Expiration Date Of Regulatory Measure:	09/01/2018
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Koehler Kraft Company, Inc.
Discharge Address:	2302 Shelter Island Drive
Discharge City:	San Diego
Discharge State:	CA
Discharge Zip:	92106
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported

KOEHLER KRAFT (Continued) **S100725461**

Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

NPDES Number:	CAG719001
Status:	Active
Agency Number:	24440
Region:	9
Regulatory Measure ID:	388922
Order Number:	R9-2013-0026

KOEHLER KRAFT (Continued) **S100725461**

Regulatory Measure Type:	Enrollee
Place ID:	235175
WDID:	9 000000474
Program Type:	NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/01/2013
Expiration Date Of Regulatory Measure:	09/01/2018
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Koehler Kraft Company, Inc.
Discharge Address:	2302 Shelter Island Drive
Discharge City:	San Diego
Discharge State:	CA
Discharge Zip:	92106
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported

KOEHLER KRAFT (Continued) **S100725461**

Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	KOEHLER KRAFT
Address:	2302 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Facility Status:	Active
NPDES Number:	CAG719001
Region:	9
Agency Number:	24440
Regulatory Measure ID:	436216
Place ID:	235175
Order Number:	R9-2019-0008
WDID:	9 000000474
Regulatory Measure Type:	Enrollee - NPDES
Program Type:	NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/03/2020
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	01/31/2025
Discharge Address:	2302 Shelter Island Drive
Discharge Name:	Koehler Kraft Company, Inc.
Discharge City:	San Diego
Discharge State:	CA
Discharge Zip:	92106
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAG719001
Status:	Active
Agency Number:	24440
Region:	9
Regulatory Measure ID:	388922
Order Number:	R9-2013-0026
Regulatory Measure Type:	Enrollee
Place ID:	785854
WDID:	9 000000474
Program Type:	NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/01/2013
Expiration Date Of Regulatory Measure:	09/01/2018

KOEHLER KRAFT (Continued) **S100725461**

Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Koehler Kraft Company, Inc.
Discharge Address:	2302 Shelter Island Drive
Discharge City:	San Diego
Discharge State:	CA
Discharge Zip:	92106
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported

KOEHLER KRAFT (Continued) **S100725461**

Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

NPDES Number:	CAG719001
Status:	Active
Agency Number:	24440
Region:	9
Regulatory Measure ID:	388922
Order Number:	R9-2013-0026
Regulatory Measure Type:	Enrollee
Place ID:	235175
WDID:	9 000000474
Program Type:	NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/01/2013
Expiration Date Of Regulatory Measure:	09/01/2018
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Koehler Kraft Company, Inc.
Discharge Address:	2302 Shelter Island Drive
Discharge City:	San Diego
Discharge State:	CA
Discharge Zip:	92106
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported

KOEHLER KRAFT (Continued) **S100725461**

Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

WDS:

Name:	KOEHLER KRAFT CO
Address:	2302 SHELTER ISLAND DR
City:	SAN DIEGO
Facility ID:	San Diego 000000474
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CA0109096 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	9
Facility Telephone:	6192229051
Facility Contact:	SUZANNE BLANCO/C. F. KOEHLER
Agency Name:	KOEHLER KRAFT CO
Agency Address:	2302 SHELTER ISLAND DR
Agency City,St,Zip:	SAN DIEGO 92106
Agency Contact:	URSULA KOEHLER
Agency Telephone:	6192229051
Agency Type:	Private
SIC Code:	3732
SIC Code 2:	Not reported
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste:	PROCES

KOEHLER KRAFT (Continued) **S100725461**

Waste Type2:	D
Waste2:	Process Waste (Waste produced as part of the industrial/manufacturing process)
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Washwater Waste (Product washwater wastes: E.G., photo reuse wastewater, vegetable washwater)
Secondary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

SAN DIEGO CO LOP:

Name:	KOEHLER KRAFT CO INC
Address:	2302 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
Record ID:	DEH1989-LSAM-H00861-001
Record Status:	Completed
Opened Date:	06/23/1989
Parcel Number:	760-003-07-00
Case Type:	Not reported
Historical Name:	KOEHLER KRAFT
SWRCB Global ID:	Not reported
Funding:	N - Non-Billable
Lead Agency:	RWQCB
Lead Agency Date:	06/23/1989
Census Tract:	99.02
Community:	San Diego
Jurisdiction:	SAN DIEGO
Watershed Basin Number:	912.0
Water Purveyor:	SAN DIEGO
Fire Agency:	SAN DIEGO
Latitude:	32.7186543
Longitude:	-117.2230595
X MapCoord:	6262399.171
Y MapCoord:	1842683.353

CIWQS:

Name:	KOEHLER KRAFT

KOEHLER KRAFT (Continued) **S100725461**

Address:	2302 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Agency:	Koehler Kraft Company, Inc.
Agency Address:	2302 Shelter Island Drive, San Diego, CA 92106
Place/Project Type:	Boatyard/Shipyard
SIC/NAICS:	3732
Region:	9
Program:	NPDINDSML, NPDNONMUNIPRCS
Regulatory Measure Status:	Active
Regulatory Measure Type:	Enrollee - NPDES
Order Number:	R9-2019-0008
WDID:	9 000000474
NPDES Number:	CAG719001
Adoption Date:	Not reported
Effective Date:	09/03/2020
Termination Date:	Not reported
Expiration/Review Date:	01/31/2025
Design Flow:	0
Major/Minor:	Minor
Complexity:	C
TTWQ:	2
Enforcement Actions within 5 years:	1
Violations within 5 years:	5
Latitude:	32.718033
Longitude:	-117.22335

O63
NW
1/4-1/2
0.302 mi.
1597 ft.

BOSTON MARKET
1661 ROSECRANS ST
SAN DIEGO, CA 92106

Site 1 of 3 in cluster O

SAN DIEGO CO. SAM
CPS-SLIC
San Diego Co. HMMD
CERS

S104755424
N/A

Relative:
Higher

Actual:
13 ft.

SAN DIEGO CO. SAM:

Name:	BOSTON MARKET
Address:	1661 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921061928
Case Number:	H36155-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	4/26/2001
Date Began:	3/7/1996

CPS-SLIC:

Name:	BOSTON MARKET
Address:	1661 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921061928
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	04/26/2001
Global Id:	T0608112317
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H36155-001
Latitude:	32.728124
Longitude:	-117.225779
Case Type:	Cleanup Program Site

BOSTON MARKET (Continued) **S104755424**

Case Worker:	SW
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

HMMD SAN DIEGO:

Name:	BOSTON MARKET
Address:	1661 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	136155
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	530-761-02-00
Last HMMD Inspection:	Not reported
Facility Telephone:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Date Last Updated:	11/02/2012
Facility Owner:	CRC PROPERTIES %E CUMMINS
Facility Mailing Address:	4436 PLUMOSA WY
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92103-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

CERS:

Name:	BOSTON MARKET
Address:	1661 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921061928
Site ID:	247349
CERS ID:	T0608112317
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	SCOTT WELDON - SAN DIEGO COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

P64 **SSE** **1/4-1/2** **0.313 mi.** **1655 ft.**

SHELTER ISLAND FIRING RANGE — **FUDS** — **1024904114** **N/A**

SAN DIEGO BAY, CA

Site 1 of 2 in cluster P

Relative: Lower

Actual: 0 ft.

FUDS:

EPA Region:	9
Installation ID:	CA99799FA50900
Congressional District Number:	52
Name:	SHELTER ISLAND FIRING RANGE
FUDS Number:	J09CA7481
City:	SAN DIEGO BAY
State:	CA
County:	SAN DIEGO
Object ID:	8467
USACE Division:	SPD
USACE District:	Los Angeles District (SPL)
Status:	Properties without projects
Current Owner:	Not reported
EMS Map Link:	https://fudsportal.usace.army.mil/ems/ems/inventory/map/map?id=63321
Eligibility:	Not reported
Has Projects:	No
NPL Status:	Not on the NPL
Property History:	Not reported
Project Required:	No
Feature Description:	Not reported
Latitude:	32.71777778
Longitude:	-117.22

P65 **SSE** **1/4-1/2** **0.314 mi.** **1658 ft.**

SHELTER ISLAND FIRING RANGE — **ENVIROSTOR** — **S107737338** **N/A**

SAN DIEGO, CA

Site 2 of 2 in cluster P

Relative: Lower

Actual: 0 ft.

ENVIROSTOR:

Name:	SHELTER ISLAND FIRING RANGE
Address:	Not reported
City,State,Zip:	SAN DIEGO, CA
Facility ID:	80001167
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	78
Senate:	39
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA

SHELTER ISLAND FIRING RANGE (Continued) **S107737338**

Latitude: 32.71777
Longitude: -117.22
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799FA50900
Alias Type: Federal Facility ID
Alias Name: J09CA7481
Alias Type: INPR
Alias Name: 80001167
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Q66 **SHARON M MAY** **LUST** **S103978091**
NW **1624 ROSECRANS STREET** **HIST UST** **N/A**
1/4-1/2 **SAN DIEGO, CA 92106** **HIST CORTESE**
0.316 mi.
1666 ft. **Site 1 of 3 in cluster Q**

Relative: Higher
Actual: 15 ft.

LUST:
Name: PATS MOBIL SERVICE
Address: 1624 ROSECRANS ST
City,State,Zip: SAN DIEGO, CA 921062243
Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607303158
Global Id: T0607303158
Latitude: 32.727779
Longitude: -117.226891
Status: Completed - Case Closed
Status Date: 08/20/1996
Case Worker: Not reported
RB Case Number: 9UT916
Local Agency: Not reported
File Location: Local Agency
Local Case Number: H13122-001
Potential Media Affect: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

SHARON M MAY (Continued) **S103978091**

LUST:

Global Id:	T0607303158
Action Type:	ENFORCEMENT
Date:	02/22/1988
Action:	Notice of Responsibility
Global Id:	T0607303158
Action Type:	ENFORCEMENT
Date:	08/19/1996
Action:	Closure/No Further Action Letter

LUST:

Global Id:	T0607303158
Status:	Open - Case Begin Date
Status Date:	02/22/1988
Global Id:	T0607303158
Status:	Completed - Case Closed
Status Date:	08/20/1996

HIST UST:

Name:	SHARON M MAY
Address:	1624 ROSECRANS STREET
City,State,Zip:	SAN DIEGO, CA 92106
File Number:	0002F03D
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002F03D.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

HIST CORTESE:

edr_fname:	MOBIL SERVICE STATION #18
edr_fadd1:	1624 ROSECRANS
City,State,Zip:	SAN DIEGO, CA 92106
Region:	CORTESE
Facility County Code:	37

SHARON M MAY (Continued) **S103978091**

Reg By:	LTNKA
Reg Id:	9UT916

Q67
NW
1/4-1/2
0.316 mi.
1666 ft.

PATS MOBIL SERVICE
1624 ROSECRANS ST
SAN DIEGO, CA 92106

Site 2 of 3 in cluster Q

SAN DIEGO CO. SAM
San Diego Co. HMMD
SWEEPS UST
Cortese
SAN DIEGO CO LOP
CERS

S106061041
N/A

Relative:
Higher

Actual:
15 ft.

SAN DIEGO CO. SAM:

Name:	PATS MOBIL SERVICE
Address:	1624 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921062243
Case Number:	H13122-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	8/20/1996
Date Began:	2/26/1988

HMMD SAN DIEGO:

Name:	PATS MOBIL SERVICE
Address:	1624 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	113122
Business Type:	Not reported
EPA Id Number:	CAL000018199
APN:	530-371-08-00
Last HMMD Inspection:	11/19/1993
Facility Telephone:	619-224-3381
Permit Status:	INAC
Permit Expiration:	Not reported
Date Last Updated:	11/02/2012
Facility Owner:	MOBIL OIL CORPORATION
Facility Mailing Address:	3225 GALLOWS RD
Facility Mailing City:	FAIRFAX
Facility Mailing State:	VA
Facility Mailing Zip:	22037-
UST Owner:	MOBIL OIL CORPORATION
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 113122 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	113122
Tank Type:	SINGLE WALL
Additional Id:	3 UNLEADED
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED

PATS MOBIL SERVICE (Continued) **S106061041**

Remove Close Date:	1994-05-24 00:00:00
Year Installed:	1983-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 113122 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	113122
Tank Type:	SINGLE WALL
Additional Id:	2 REGULAR LEADED
Capacity Gallons:	8000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1994-05-24 00:00:00
Year Installed:	1983-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 113122 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	113122
Tank Type:	SINGLE WALL
Additional Id:	1 PREMIUM LEADED
Capacity Gallons:	6000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1994-05-24 00:00:00
Year Installed:	1983-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 113122 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	113122
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	280
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1988-02-16 00:00:00
Year Installed:	1973-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR

PATS MOBIL SERVICE (Continued) **S106061041**

WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 113122 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	113122
Tank Type:	DOUBLE WALL
Additional Id:	5
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1994-05-24 00:00:00
Year Installed:	1987-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	26
UST Monitor Method:	EXTERNAL MONITORING: MONTHLY (MINIMUM) GROUND WATER MONITORING

Name:	MCDONALD'S #15396
Address:	1624 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106-2243
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	760-608-1850
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	01/29/2022
Facility Owner:	Not reported
Facility Mailing Address:	P.O. Box 16825, San Diego, CA 92176
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	N
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Waste and Materials:

Record ID:	DEH2021-HUPFP-007215
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HCHEM-0309493
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-12-22T02:30:42.000
Chemical Name:	Carbon Dioxide (liquefied)
Common Name:	Carbon Dioxide (liquefied)
Case Number:	124-38-9

Record ID:	DEH2021-HUPFP-007215
Permit Status:	Permit Renewed

PATS MOBIL SERVICE (Continued) **S106061041**

Active Permit: Y
Child Record Id: DEH2021-HCHEM-0309494
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-12-22T02:30:42.000
Chemical Name: Carbon Dioxide
Common Name: Carbon Dioxide
Case Number: 124-38-9

Record ID: DEH2021-HUPFP-007215
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0318795
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-01-29T01:39:01.000
Chemical Name: Carbon Dioxide (liquefied)
Common Name: Carbon Dioxide (liquefied)
Case Number: 124-38-9

Record ID: DEH2021-HUPFP-007215
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0318796
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-01-29T01:39:01.000
Chemical Name: Carbon Dioxide
Common Name: Carbon Dioxide
Case Number: 124-38-9

SWEEPS UST:
Name: PATS MOBIL SERVICE
Address: 1624 ROSECRANS ST
City: SAN DIEGO
Status: Not reported
Comp Number: 13122
Number: Not reported
Board Of Equalization: 44-000400
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013122-000004
Tank Status: Not reported
Capacity: 280
Active Date: Not reported
Tank Use: PETROLEUM
STG: WASTE
Content: Not reported
Number Of Tanks: 1

Name: PATS MOBIL SERVICE
Address: 1624 ROSECRANS ST
City: SAN DIEGO
Status: Active

PATS MOBIL SERVICE (Continued) **S106061041**

Comp Number: 13122
Number: 9
Board Of Equalization: 44-000400
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013122-000001
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 4

Name: PATS MOBIL SERVICE
Address: 1624 ROSECRANS ST
City: SAN DIEGO
Status: Active
Comp Number: 13122
Number: 9
Board Of Equalization: 44-000400
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013122-000002
Tank Status: A
Capacity: 8000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Name: PATS MOBIL SERVICE
Address: 1624 ROSECRANS ST
City: SAN DIEGO
Status: Active
Comp Number: 13122
Number: 9
Board Of Equalization: 44-000400
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013122-000003
Tank Status: A
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Name: PATS MOBIL SERVICE

PATS MOBIL SERVICE (Continued) **S106061041**

Address:	1624 ROSECRANS ST
City:	SAN DIEGO
Status:	Active
Comp Number:	13122
Number:	9
Board Of Equalization:	44-000400
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013122-000005
Tank Status:	A
Capacity:	550
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

CORTESE:

Name:	PATS MOBIL SERVICE
Address:	1624 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921062243
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607303158
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

SAN DIEGO CO LOP:

Name:	PATS MOBIL SERVICE
Address:	1624 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Record ID:	DEH1988-LSAM-H13122-001
Record Status:	Completed
Opened Date:	02/26/1988
Parcel Number:	530-371-08-00
Case Type:	LOP - Local Oversight Program
Historical Name:	MOBIL
SWRCB Global ID:	T0607303158

PATS MOBIL SERVICE (Continued) **S106061041**

Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	02/26/1988
Census Tract:	214.00
Community:	San Diego
Jurisdiction:	SAN DIEGO
Watershed Basin Number:	908.1
Water Purveyor:	SAN DIEGO
Fire Agency:	SAN DIEGO
Latitude:	32.7280037
Longitude:	-117.2267042
X MapCoord:	6261282.142
Y MapCoord:	1846074.738

CERS:

Name:	PATS MOBIL SERVICE
Address:	1624 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921062243
Site ID:	230398
CERS ID:	T0607303158
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Name:	MCDONALD’S #15396
Address:	1624 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Site ID:	593240
CERS ID:	10879927
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-03-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Anderson Sean Inspection ID:6810785
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Coordinates:

Site ID:	593240
Facility Name:	McDonald’s #15396
Env Int Type Code:	HMBP
Program ID:	10879927
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	32.727980
Longitude:	-117.226780

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Chris LeCornu
Entity Title:	Not reported
Affiliation Address:	P.O. Box 16825
Affiliation City:	San Diego
Affiliation State:	CA

PATS MOBIL SERVICE (Continued) **S106061041**

Affiliation Country:	Not reported
Affiliation Zip:	92176
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P.O. Box 16825
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92176
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	Chris LeCornu
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 608-1850,
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Document Preparer
Entity Name:	Diana Shinn
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	LeCornu Enterprises, Inc.
Entity Title:	Not reported
Affiliation Address:	P.O. Box 16825
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92176
Affiliation Phone:	(760) 608-1850,
Affiliation Type Desc:	Parent Corporation
Entity Name:	LeCornu Enterprises II, Inc.
Entity Title:	Not reported

PATS MOBIL SERVICE (Continued) **S106061041**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Chris LeCornu
Entity Title:	President
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Q68
NW
1/4-1/2
0.316 mi.
1666 ft.

MOBIL SERVICE STATION #18-FPV
1624 ROSECRANS ST
SAN DIEGO, CA 92106

LUST **S101302145**
N/A

Site 3 of 3 in cluster Q

Relative:
Higher

Actual:
15 ft.

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT916
Local Case:	H13122-001
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	New Tank
Source:	Tank
Cause:	Corrosion
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	02/18/1988
Date Stopped:	02/18/1988
Confirm Date:	02/26/1988
Submit Workplan:	Not reported
Prelim Assess:	02/22/1988
Desc Pollution:	2/22/93
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	02/23/1988
Enforce Date:	Not reported
Closed Date:	8/20/96
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	908.10
GW Depth:	4.5'
Beneficial Use:	No Beneficial groundwater use
NPDES Number:	Not reported

MOBIL SERVICE STATION #18-FPV (Continued) **S101302145**

Priority: 2B
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

M69	**TONGA FUELS MARINA**	**LUST**	**1000232434**
SSW	**2385 SHELTER ISLAND DR**	**SWEEPS UST**	**N/A**
1/4-1/2	**SAN DIEGO, CA 92106**	**Notify 65**	
0.316 mi.			
1668 ft.	**Site 2 of 8 in cluster M**		

Relative: Higher

Actual: 11 ft.

LUST REG 9:

Region: 9
Status: Case Closed
Case Number: 9UT597
Local Case: H03035-001
Substance: Gasoline
Qty Leaked: 24000
Abate Method: Vapor Extraction
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Remove Contents
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 01/20/1987
Date Stopped: 01/20/1987
Confirm Date: 01/20/1987
Submit Workplan: Not reported
Prelim Assess: 03/19/1987
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: 8/20/87
Began Monitor: Not reported
Release Date: 01/24/1987
Enforce Date: 1/20/87
Closed Date: 8/23/96
Enforce Type: SEL
Pilot Program: LOP
Basin Number: 908.10
GW Depth: 7.5’
Beneficial Use: NBNB/E
NPDES Number: Not reported
Priority: 2A
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:

Name: TONGA FUELS INC.
Address: 2385 SHELTER ISLAND DR
City: SAN DIEGO
Status: Not reported
Comp Number: 3035

TONGA FUELS MARINA (Continued) **1000232434**

Number:	Not reported
Board Of Equalization:	44-021777
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003035-000001
Tank Status:	Not reported
Capacity:	12000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	7

Name:	TONGA FUELS INC.
Address:	2385 SHELTER ISLAND DR
City:	SAN DIEGO
Status:	Not reported
Comp Number:	3035
Number:	Not reported
Board Of Equalization:	44-021777
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003035-000002
Tank Status:	Not reported
Capacity:	8000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

Name:	TONGA FUELS INC.
Address:	2385 SHELTER ISLAND DR
City:	SAN DIEGO
Status:	Not reported
Comp Number:	3035
Number:	Not reported
Board Of Equalization:	44-021777
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003035-000003
Tank Status:	Not reported
Capacity:	5000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

Name:	TONGA FUELS INC.
Address:	2385 SHELTER ISLAND DR

TONGA FUELS MARINA (Continued) **1000232434**

City: SAN DIEGO
Status: Not reported
Comp Number: 3035
Number: Not reported
Board Of Equalization: 44-021777
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003035-000004
Tank Status: Not reported
Capacity: 5000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

Name: TONGA FUELS INC.
Address: 2385 SHELTER ISLAND DR
City: SAN DIEGO
Status: Not reported
Comp Number: 3035
Number: Not reported
Board Of Equalization: 44-021777
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003035-000005
Tank Status: Not reported
Capacity: 5000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: Not reported

Name: TONGA FUELS INC.
Address: 2385 SHELTER ISLAND DR
City: SAN DIEGO
Status: Not reported
Comp Number: 3035
Number: Not reported
Board Of Equalization: 44-021777
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003035-000006
Tank Status: Not reported
Capacity: 5000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

TONGA FUELS MARINA (Continued) **1000232434**

Name: TONGA FUELS INC.
Address: 2385 SHELTER ISLAND DR
City: SAN DIEGO
Status: Not reported
Comp Number: 3035
Number: Not reported
Board Of Equalization: 44-021777
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003035-000007
Tank Status: Not reported
Capacity: 280
Active Date: Not reported
Tank Use: PETROLEUM
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Name: TONGA FUELS INC.
Address: 2385 SHELTER ISLAND DR
City: SAN DIEGO
Status: Active
Comp Number: 3035
Number: 9
Board Of Equalization: 44-021777
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003035-000008
Tank Status: A
Capacity: 15000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: 3

Name: TONGA FUELS INC.
Address: 2385 SHELTER ISLAND DR
City: SAN DIEGO
Status: Active
Comp Number: 3035
Number: 9
Board Of Equalization: 44-021777
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003035-000009
Tank Status: A
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P

TONGA FUELS MARINA (Continued) **1000232434**

Content:	REG UNLEADED
Number Of Tanks:	Not reported

Name:	TONGA FUELS INC.
Address:	2385 SHELTER ISLAND DR
City:	SAN DIEGO
Status:	Active
Comp Number:	3035
Number:	9
Board Of Equalization:	44-021777
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003035-000010
Tank Status:	A
Capacity:	550
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

NOTIFY 65:

Name:	Not reported
Address:	2385 SHELTER ISLAND DR.
City,State,Zip:	SAN DIEGO, CA 92106-3109
Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported
Global ID:	Not reported
Status:	Not reported

M70
SSW
1/4-1/2
0.316 mi.
1668 ft.

SHELTER ISLAND YACHT BASIN
2385 SHELTER ISLAND DRIVE
SAN DIEGO, CA 92106

Site 3 of 8 in cluster M

CPS-SLIC **S118504906**
CERS **N/A**

Relative:
Higher

Actual:
11 ft.

CPS-SLIC:

Name:	SHELTER ISLAND YACHT BASIN
Address:	2385 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	STATE
Facility Status:	**Open - Inactive**
Status Date:	05/06/2016
Global Id:	T10000008884
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number:	Not reported
Latitude:	32.71704
Longitude:	-117.22775
Case Type:	Cleanup Program Site
Case Worker:	UNA

SHELTER ISLAND YACHT BASIN (Continued) **S118504906**

Local Agency:	Not reported
RB Case Number:	3100109
File Location:	All Files are on GeoTracker or in the Local Agency Database
Potential Media Affected:	Sediments, Surface water, Under Investigation
Potential Contaminants of Concern:	Copper, Other Metal
Site History:	Impaired surface water and sediments.

Click here to access the California GeoTracker records for this facility:

CERS:

Name:	SHELTER ISLAND YACHT BASIN
Address:	2385 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Site ID:	369337
CERS ID:	T10000008884
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	Unassigned - SAN DIEGO RWQCB (REGION 9)
Entity Title:	Not reported
Affiliation Address:	2375 NORTHSIDE DRIVE, SUITE 100
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6195161990,

M71
SSW
1/4-1/2
0.316 mi.
1668 ft.
Relative: Higher
Actual: 11 ft.

TONGA FUELS MARINA
2385 SHELTER ISLAND
SAN DIEGO, CA 92112

Site 4 of 8 in cluster M

LUST
SAN DIEGO CO. SAM
San Diego Co. HMMD
CHMIRS
Cortese
HIST CORTESE
SAN DIEGO CO LOP
CERS

S103948184
N/A

LUST:

Name:	SHELTER ISLAND FUEL DOCK
Address:	2385 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 921063109
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607302882
Global Id:	T0607302882
Latitude:	32.718768
Longitude:	-117.225572
Status:	Completed - Case Closed
Status Date:	08/23/1996
Case Worker:	LA
RB Case Number:	9UT597
Local Agency:	SAN DIEGO COUNTY LOP
File Location:	Local Agency
Local Case Number:	H03035-001
Potential Media Affect:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

TONGA FUELS MARINA (Continued) **S103948184**

LUST:

Global Id:	T0607302882
Contact Type:	Local Agency Caseworker
Contact Name:	LAURIE APECECHEA
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	laurie.apecechea@sdcounty.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0607302882
Action Type:	ENFORCEMENT
Date:	01/20/1987
Action:	Notice of Responsibility
Global Id:	T0607302882
Action Type:	ENFORCEMENT
Date:	08/23/1996
Action:	Closure/No Further Action Letter
Global Id:	T0607302882
Action Type:	ENFORCEMENT
Date:	08/05/1996
Action:	Closure/No Further Action Letter - #H03035-001

LUST:

Global Id:	T0607302882
Status:	Open - Case Begin Date
Status Date:	01/20/1987
Global Id:	T0607302882
Status:	Completed - Case Closed
Status Date:	08/23/1996

SAN DIEGO CO. SAM:

Name:	SHELTER ISLAND FUEL DOCK
Address:	2385 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 921063109
Case Number:	H03035-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	8/23/1996
Date Began:	1/16/1987

HMMD SAN DIEGO:

Name:	SHELTER ISLAND FUEL DOCK
Address:	2385 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	103035
Business Type:	6HK33
EPA Id Number:	Not reported

TONGA FUELS MARINA (Continued) **S103948184**

APN:	760-003-34-00
Last HMMD Inspection:	02/25/1997
Facility Telephone:	619-523-1100
Permit Status:	INAC
Permit Expiration:	07/20/1998
Date Last Updated:	11/02/2012
Facility Owner:	STAN HARPER
Facility Mailing Address:	315 PANORAMA DRIVE
Facility Mailing City:	BAKERSFIELD
Facility Mailing State:	CA
Facility Mailing Zip:	93305-
UST Owner:	SHELTER ISLAND FUEL DOCK
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 103035 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	103035
Tank Type:	SINGLE WALL
Additional Id:	01
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1970-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 103035 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	103035
Tank Type:	SINGLE WALL
Additional Id:	02
Capacity Gallons:	8000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1960-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 103035 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	103035
Tank Type:	SINGLE WALL

TONGA FUELS MARINA (Continued) **S103948184**

Additional Id:	03
Capacity Gallons:	5000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1970-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 103035 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	103035
Tank Type:	SINGLE WALL
Additional Id:	04
Capacity Gallons:	5000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1960-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 103035 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	103035
Tank Type:	SINGLE WALL
Additional Id:	05
Capacity Gallons:	5000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1960-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 103035 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	103035
Tank Type:	SINGLE WALL
Additional Id:	07
Capacity Gallons:	5000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00

TONGA FUELS MARINA (Continued) **S103948184**

Year Installed:	1960-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 103035 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	103035
Tank Type:	SINGLE WALL
Additional Id:	06
Capacity Gallons:	280
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 103035 T011
Last Update:	2012-11-02 14:17:38
Permit Number:	103035
Tank Type:	DOUBLE WALL
Additional Id:	011
Capacity Gallons:	15000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1998-09-24 00:00:00
Year Installed:	1994-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	Not reported
UST Monitor Method:	Not reported

UST Name:	UNDERGROUND TANK 103035 T012
Last Update:	2012-11-02 14:17:38
Permit Number:	103035
Tank Type:	DOUBLE WALL
Additional Id:	012
Capacity Gallons:	6000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1998-09-24 00:00:00
Year Installed:	1994-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	Not reported
Monitor Code:	Not reported
UST Monitor Method:	Not reported

UST Name:	UNDERGROUND TANK 103035 T013

TONGA FUELS MARINA (Continued) **S103948184**

Last Update:	2012-11-02 14:17:38
Permit Number:	103035
Tank Type:	DOUBLE WALL
Additional Id:	013
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1998-09-24 00:00:00
Year Installed:	1994-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	Not reported
UST Monitor Method:	Not reported

CHMIRS:

Name:	Not reported
Address:	2385 SHELTER ISLAND DR.
City,State,Zip:	SAN DIEGO, CA 92106
OES Incident Number:	10-3725
OES notification:	06/18/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Pacific Ocean
Spill Site:	Waterways,Ship/Harbor/Port
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Sheen

TONGA FUELS MARINA (Continued) **S103948184**

Other:	Not reported
Date/Time:	1200
Year:	2010
Agency:	NRC
Incident Date:	6/18/2010
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Unknown
Site Type:	Pacific Ocean
E Date:	Not reported
Substance:	Automotive Gasoline (Unleaded), Rainbow Colored Sheen
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per NRC Report, "caller is reporting a discharge of gasoline from a vessel due to an unknown cause at this time." Remedial Actions: "Caller states two mechanics are on the boat trying to locate the leak and booms & absorbents were applied." Vessel Information: "Name - Elizabeth Ann, Aground - No, Type - Pleasure Craft, Fuel Capacity/ Fuel on Board/ Cargo Capacity/ Cargo on Board - 0 Unknown"

CORTESE:

Name:	SHELTER ISLAND FUEL DOCK
Address:	2385 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 921063109
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607302882
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported

TONGA FUELS MARINA (Continued) **S103948184**

Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	TONGA FUELS MARINA
edr_fadd1:	2385 SHELTER ISLAND
City,State,Zip:	SAN DIEGO, CA 92112
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT597

SAN DIEGO CO LOP:

Name:	SHELTER ISLAND FUEL DOCK
Address:	2385 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
Record ID:	DEH1987-LSAM-H03035-001
Record Status:	Completed
Opened Date:	01/20/1987
Parcel Number:	760-003-34-00
Case Type:	LOP - Local Oversight Program
Historical Name:	TONGA FUELS
SWRCB Global ID:	T0607302882
Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	01/20/1987
Census Tract:	99.02
Community:	San Diego
Jurisdiction:	SAN DIEGO
Watershed Basin Number:	912.0
Water Purveyor:	SAN DIEGO
Fire Agency:	SAN DIEGO
Latitude:	32.7187665
Longitude:	-117.2255728
X MapCoord:	6261621.230
Y MapCoord:	1842723.541

CERS:

Name:	SHELTER ISLAND FUEL DOCK
Address:	2385 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 921063109
Site ID:	248895
CERS ID:	T0607302882
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	LAURIE APECECHEA - SAN DIEGO COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported

TONGA FUELS MARINA (Continued) **S103948184**

Affiliation Zip:	Not reported
Affiliation Phone:	,

M72 **SSW** **1/4-1/2** **0.316 mi.** **1668 ft.**	**2385 SHELTER ISLAND DR.** **SAN DIEGO, CA 92106** **Site 5 of 8 in cluster M**	**Notify 65**	**S100178246** **N/A**

Relative: **Higher**

Actual: **11 ft.**

NOTIFY 65:

Name:	Not reported
Address:	2385 SHELTER ISLAND DR.
City,State,Zip:	SAN DIEGO, CA 92106-3109
Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported
Global ID:	Not reported
Status:	Not reported

M73 **SSW** **1/4-1/2** **0.316 mi.** **1668 ft.**	**PEARSONS MARINE SERVICE** **2435 SHELTER ISLAND DR** **SAN DIEGO, CA 92106** **Site 6 of 8 in cluster M**	**SAN DIEGO CO. SAM** **AST** **San Diego Co. HMMD** **CERS HAZ WASTE** **SWEEPS UST** **CERS TANKS** **CHMIRS** **Cortese** **SAN DIEGO CO LOP** **CERS**	**U003789309** **N/A**

Relative: **Higher**

Actual: **10 ft.**

SAN DIEGO CO. SAM:

Name:	PEARSONS MARINE SERVICE
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 921063111
Case Number:	H10548-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	3/24/2005
Date Began:	5/13/2002

Name:	PEARSONS MARINE SERVICE
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 921063111
Case Number:	H10548-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	GW With No Beneficial Use Designation
Facility Status:	Closed Case
Date:	12/5/2001

PEARSONS MARINE SERVICE (Continued) **U003789309**

Date Began: 5/6/1987

AST:

Name:	PEARSONS MARINE SERVICE
Address:	2435 SHELTER ISLAND DR
City/Zip:	SAN DIEGO,
Certified Unified Program Agencies:	San Diego
Owner:	THEODORE GRIFFITH
Total Gallons:	1515
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

HMMD SAN DIEGO:

Name:	PEARSON MARINE FUELS, INC
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000069619
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	619-222-7084
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	01/22/2022
Facility Owner:	Not reported
Facility Mailing Address:	2435 SHELTER ISLAND DR, SAN DIEGO, CA 92106-3111
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	Y
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported

PEARSONS MARINE SERVICE (Continued) **U003789309**

Generate Haz Waste: Y
Treat Haz Waste: N
Generate Medical Waste: Not reported

Inspection Violation:
Record ID: DEH2002-HUPFP-110548
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-110548
Program Element: Underground Storage Tank
Inspection Type: Routine
Inspection Number: 5001771
Return To Compliance Date: 2014-02-14T00:00:00.000
Nov: No
Violation Classification: Not reported
Underground Storage Tank Id: 87
Container/Tank Id: Not reported
Last Update: 2022-01-22T00:00:00.000
Inspection Date: 2014-02-14T15:19:00.000
Violation Code: 2030026 Failure of line leak detector to detect a leak and/or failure of audible and visual alarm. 23 CCR 16 2636(f)(2), 2666.

Record ID: DEH2002-HUPFP-110548
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-110548
Program Element: Underground Storage Tank
Inspection Type: Routine
Inspection Number: 5032809
Return To Compliance Date: 2015-02-13T00:00:00.000
Nov: No
Violation Classification: Not reported
Underground Storage Tank Id: 87
Container/Tank Id: Not reported
Last Update: 2022-01-22T00:00:00.000
Inspection Date: 2015-02-13T00:00:00.000
Violation Code: 2060015 Failure of sensor to be located in the proper position/location. 23 CCR 16 2630(d), 2641(a).

Record ID: DEH2002-HUPFP-110548
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-110548
Program Element: Underground Storage Tank
Inspection Type: Routine
Inspection Number: 5032809
Return To Compliance Date: Not reported
Nov: Not reported
Violation Classification: Not reported
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-01-22T00:00:00.000
Inspection Date: 2015-02-13T00:00:00.000
Violation Code: 2030021 Failure to obtain and maintain a valid operation permit from the CUPA. 23 CCR 16 2712(i); HSC 6.7 25284

Record ID: DEH2002-HUPFP-110548
Permit Status: Permit Renewed

PEARSONS MARINE SERVICE (Continued) **U003789309**

Active Permit:	Y
Facility Id Number:	37-000-110548
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	4109014
Return To Compliance Date:	2013-07-01T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-22T00:00:00.000
Inspection Date:	2013-02-15T08:00:00.000
Violation Code:	3030004 Failed to label &/or close drained used oil filters &/or used fuel filters. 25250.22 & 66266.130(c)(3) Failure to properly handle, manage, label, and recycle used oil and fuel filters.; 22 CCR 16 66266.130

Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-110548
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6389128
Return To Compliance Date:	2020-02-28T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	20788
Container/Tank Id:	Not reported
Last Update:	2022-01-22T00:00:00.000
Inspection Date:	2020-02-27T00:00:00.000
Violation Code:	2030013 (TCR 12) Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR, 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days. 23CCR 2716 (a-e)

Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-110548
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6389128
Return To Compliance Date:	Not reported

PEARSONS MARINE SERVICE (Continued) **U003789309**

Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-22T00:00:00.000
Inspection Date:	2020-02-27T00:00:00.000
Violation Code:	2010003 (TCR 10) Failure to submit the "Designated Underground Storage Tank Operator Identification Form" within 30 days of installing a UST system or within 30 days of a change in DO. 23 CCR 2715(a)(1)(B), 2715(a)(3)

Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-110548
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6079709
Return To Compliance Date:	2019-02-08T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	20788
Container/Tank Id:	Not reported
Last Update:	2022-01-22T00:00:00.000
Inspection Date:	2019-02-05T00:00:00.000
Violation Code:	2030016 (TCR 9d) Failure to continuously monitor the interstitial space of a double-walled tank with an audible and visual alarm system. 23 CCR 2631(g), 2632(c)(2)(A-B)

Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-110548
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5001771
Return To Compliance Date:	2014-10-03T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-22T00:00:00.000
Inspection Date:	2014-02-14T15:19:00.000
Violation Code:	1010008 Failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages, if required. Documentation must be resubmitted (for facilities which exceed EPCRA thresholds) or re-certified (for facilities which do not exceed EPCRA thresholds) by March 1; 19 CCR 4 2729.4(b), 2729.5.

Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-110548
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	4109014
Return To Compliance Date:	2013-03-27T00:00:00.000

PEARSONS MARINE SERVICE (Continued) **U003789309**

Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	20788
Container/Tank Id:	Not reported
Last Update:	2022-01-22T00:00:00.000
Inspection Date:	2013-02-15T08:00:00.000
Violation Code:	2030026 Failure of line leak detector to detect a leak and/or failure of audible and visual alarm. 23 CCR 16 2636(f)(2), 2666

Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-110548
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	4109014
Return To Compliance Date:	2013-02-15T00:00:00.000
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	20788
Container/Tank Id:	Not reported
Last Update:	2022-01-22T00:00:00.000
Inspection Date:	2013-02-15T08:00:00.000
Violation Code:	2030036 Failure of the overfill prevention system to meet one of the following requirements: 1. Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. 23 CCR 16 2635(b)(2), 2665

Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-110548
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6079709
Return To Compliance Date:	2019-02-05T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	20788
Container/Tank Id:	Not reported
Last Update:	2022-01-22T00:00:00.000
Inspection Date:	2019-02-05T00:00:00.000
Violation Code:	2030036 (TCR 9b) Failure to comply with one or more of the following overfill prevention equipment requirements: 1. Alert the transfer operator when the tank is 90% full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30m before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95% of capacity and activate an audible alarm at least 5m before

PEARSONS MARINE SERVICE (Continued) **U003789309**

the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95% of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. 5. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. 6. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. 7. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. 8. Inspected within 30 days after a repair to the overfill prevention equipment. 9. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. 10. Inspected by a certified UST service technician. 11. Maintain records of overfill prevention equipment inspection for 36 months. 23 CCR 2635(c)(1), 2635(d), 2637.2(a-c), 2665, 2712(b)(1)(G)

Record ID: DEH2002-HUPFP-110548
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-110548
Program Element: Underground Storage Tank
Inspection Type: Routine
Inspection Number: 6389128
Return To Compliance Date: 2020-03-20T00:00:00.000
Nov: No
Violation Classification: Not reported
Underground Storage Tank Id: 20789
Container/Tank Id: Not reported
Last Update: 2022-01-22T00:00:00.000
Inspection Date: 2020-02-27T00:00:00.000
Violation Code: 2030025 (TCR 9d) Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly. with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping when a leak is detected. 23 CCR 2636(f)(2)

Record ID: DEH2002-HUPFP-110548
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-110548
Program Element: Hazardous Waste Generator
Inspection Type: Site Investigation
Inspection Number: 4955479
Return To Compliance Date: 2013-11-13T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-01-22T00:00:00.000
Inspection Date: 2013-11-01T00:00:00.000
Violation Code: 3030012 Failure to obtain a permit or grant of interim status to accumulate hazardous waste longer than 90 days.; 22 CCR 12 66262.34(a).

PEARSONS MARINE SERVICE (Continued) **U003789309**

UST DTL:

Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-110548
Facility Type (Ust Facility):	Other
Tank Owner Name:	THEODORE GRIFFITH
Tankid:	20788
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	Marina Fueling
Piping System Type:	Pressure
Last Updated:	2022-01-22T02:34:08.000
Tank Capacityin Gallons:	15000
Tank Contents:	Diesel
Type Of Tank:	Double Wall

Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-110548
Facility Type (Ust Facility):	Other
Tank Owner Name:	THEODORE GRIFFITH
Tankid:	20789
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	Marina Fueling
Piping System Type:	Pressure
Last Updated:	2022-01-22T02:34:08.000
Tank Capacityin Gallons:	6000
Tank Contents:	Regular Unleaded
Type Of Tank:	Double Wall

Waste and Materials:

Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0175653
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2018-04-09T16:37:36.000
Chemical Name:	REGULAR UNLEADED
Common Name:	UNDERGROUND TANK 110548 T005
Case Number:	8006-61-9

Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0175654
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-04-09T16:37:36.000
Chemical Name:	METHANE, COMPRESSED NATURAL GAS
Common Name:	METHANE, COMPRESSED NATURAL GAS
Case Number:	74-82-8

PEARSONS MARINE SERVICE (Continued) **U003789309**

Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0175655
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-04-09T16:37:36.000
Chemical Name:	OIL: MOTOR, LUBRICATING :LUBRICATING OIL
Common Name:	OIL: MOTOR, LUBRICATING :LUBRICATING OIL
Case Number:	64742-65-0

Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0175656
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2018-04-09T16:37:36.000
Chemical Name:	DIESEL
Common Name:	UNDERGROUND TANK 110548 T004
Case Number:	68476-34-6

Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0175657
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-04-09T16:37:36.000
Chemical Name:	PROPANE GAS
Common Name:	PROPANE GAS
Case Number:	74-98-6

Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0150295
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-04-09T16:37:36.000
Chemical Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Common Name:	GAS & DIESEL WASTE
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0150296
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-04-09T16:37:36.000
Chemical Name:	WASTE 888 USED OIL FILTERS
Common Name:	DRAINED OIL FILTERS & FUEL FILTERS (RAGS)
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed

PEARSONS MARINE SERVICE (Continued) **U003789309**

Active Permit: Y
Child Record Id: DEH2018-HWAST-0150297
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-09T16:37:36.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: WASTE 221 WASTE OIL & MIXED OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-110548
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0150298
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-09T16:37:36.000
Chemical Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Common Name: USED ANTIFREEZE
Case Number: Not reported

Record ID: DEH2002-HUPFP-110548
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0129454
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-02-23T02:13:14.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 110548 T005
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-110548
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0129455
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-02-23T02:13:14.000
Chemical Name: METHANE, COMPRESSED NATURAL GAS
Common Name: METHANE, COMPRESSED NATURAL GAS
Case Number: 74-82-8

Record ID: DEH2002-HUPFP-110548
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0129456
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-02-23T02:13:14.000
Chemical Name: OIL: MOTOR, LUBRICATING :LUBRICATING OIL
Common Name: OIL: MOTOR, LUBRICATING :LUBRICATING OIL
Case Number: 64742-65-0

Record ID: DEH2002-HUPFP-110548
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0129457

PEARSONS MARINE SERVICE (Continued) **U003789309**

Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2018-02-23T02:13:14.000
Chemical Name:	DIESEL
Common Name:	UNDERGROUND TANK 110548 T004
Case Number:	68476-34-6

Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0129458
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-02-23T02:13:14.000
Chemical Name:	PROPANE GAS
Common Name:	PROPANE GAS
Case Number:	74-98-6

Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0107871
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-02-23T02:13:14.000
Chemical Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Common Name:	GAS & DIESEL WASTE
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0107872
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-02-23T02:13:14.000
Chemical Name:	WASTE 888 USED OIL FILTERS
Common Name:	DRAINED OIL FILTERS & FUEL FILTERS (RAGS)
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0107873
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-02-23T02:13:14.000
Chemical Name:	WASTE 221 WASTE OIL & MIXED OIL
Common Name:	WASTE 221 WASTE OIL & MIXED OIL
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0197345
Trade Secret:	N
Hazardous Material Type:	Pure

PEARSONS MARINE SERVICE (Continued) **U003789309**

Last Updated:	2020-04-15T08:38:45.000
Chemical Name:	METHANE, COMPRESSED NATURAL GAS
Common Name:	METHANE, COMPRESSED NATURAL GAS
Case Number:	74-82-8

Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0197346
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2020-04-15T08:38:45.000
Chemical Name:	OIL: MOTOR, LUBRICATING :LUBRICATING OIL
Common Name:	OIL: MOTOR, LUBRICATING :LUBRICATING OIL
Case Number:	64742-65-0

Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0197347
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2020-04-15T08:38:45.000
Chemical Name:	DIESEL
Common Name:	UNDERGROUND TANK 110548 T004
Case Number:	68476-34-6

Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0274672
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-01-22T02:37:03.000
Chemical Name:	DIESEL
Common Name:	UNDERGROUND TANK 110548 T004
Case Number:	68476-34-6

Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0274673
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-01-22T02:37:03.000
Chemical Name:	PROPANE GAS
Common Name:	PROPANE GAS
Case Number:	74-98-6

Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0243251
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-01-22T02:37:03.000
Chemical Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE

PEARSONS MARINE SERVICE (Continued) **U003789309**

Common Name:	GAS & DIESEL WASTE
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HCHEM-0286968
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-22T02:34:08.000
Chemical Name:	REGULAR UNLEADED
Common Name:	UNDERGROUND TANK 110548 T005
Case Number:	8006-61-9
Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0243252
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-01-22T02:37:03.000
Chemical Name:	WASTE 888 USED OIL FILTERS
Common Name:	DRAINED OIL FILTERS & FUEL FILTERS (RAGS)
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0243253
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-01-22T02:37:03.000
Chemical Name:	WASTE 221 WASTE OIL & MIXED OIL
Common Name:	WASTE 221 WASTE OIL & MIXED OIL
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0243254
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-01-22T02:37:03.000
Chemical Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Common Name:	USED ANTIFREEZE
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0107874
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-02-23T02:13:14.000
Chemical Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Common Name:	USED ANTIFREEZE
Case Number:	Not reported

PEARSONS MARINE SERVICE (Continued) **U003789309**

Record ID: DEH2002-HUPFP-110548
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0197344
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-04-15T08:38:45.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 110548 T005
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-110548
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0197348
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-04-15T08:38:45.000
Chemical Name: PROPANE GAS
Common Name: PROPANE GAS
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-110548
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0169968
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-04-15T08:38:45.000
Chemical Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Common Name: GAS & DIESEL WASTE
Case Number: Not reported

Record ID: DEH2002-HUPFP-110548
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0169969
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-04-15T08:38:45.000
Chemical Name: WASTE 888 USED OIL FILTERS
Common Name: DRAINED OIL FILTERS & FUEL FILTERS (RAGS)
Case Number: Not reported

Record ID: DEH2002-HUPFP-110548
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0169970
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-04-15T08:38:45.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: WASTE 221 WASTE OIL & MIXED OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-110548
Permit Status: Permit Renewed

PEARSONS MARINE SERVICE (Continued) **U003789309**

Active Permit: Y
Child Record Id: DEH2018-HWAST-0169971
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-04-15T08:38:45.000
Chemical Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Common Name: USED ANTIFREEZE
Case Number: Not reported

Record ID: DEH2002-HUPFP-110548
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0274669
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-01-22T02:37:03.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 110548 T005
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-110548
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0274670
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-01-22T02:37:03.000
Chemical Name: METHANE, COMPRESSED NATURAL GAS
Common Name: METHANE, COMPRESSED NATURAL GAS
Case Number: 74-82-8

Record ID: DEH2002-HUPFP-110548
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0274671
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-01-22T02:37:03.000
Chemical Name: OIL: MOTOR, LUBRICATING :LUBRICATING OIL
Common Name: OIL: MOTOR, LUBRICATING :LUBRICATING OIL
Case Number: 64742-65-0

Record ID: DEH2002-HUPFP-110548
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0286969
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-01-22T02:34:08.000
Chemical Name: METHANE, COMPRESSED NATURAL GAS
Common Name: METHANE, COMPRESSED NATURAL GAS
Case Number: 74-82-8

Record ID: DEH2002-HUPFP-110548
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0286970

PEARSONS MARINE SERVICE (Continued) **U003789309**

Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-01-22T02:34:08.000
Chemical Name: OIL: MOTOR, LUBRICATING :LUBRICATING OIL
Common Name: OIL: MOTOR, LUBRICATING :LUBRICATING OIL
Case Number: 64742-65-0

Record ID: DEH2002-HUPFP-110548
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0286971
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-22T02:34:08.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 110548 T004
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-110548
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0286972
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-01-22T02:34:08.000
Chemical Name: PROPANE GAS
Common Name: PROPANE GAS
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-110548
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0255899
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-01-22T02:34:08.000
Chemical Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Common Name: GAS & DIESEL WASTE
Case Number: Not reported

Record ID: DEH2002-HUPFP-110548
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0255900
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-01-22T02:34:08.000
Chemical Name: WASTE 888 USED OIL FILTERS
Common Name: DRAINED OIL FILTERS & FUEL FILTERS (RAGS)
Case Number: Not reported

Record ID: DEH2002-HUPFP-110548
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0255901
Trade Secret: N
Hazardous Material Type: Not reported

PEARSONS MARINE SERVICE (Continued) **U003789309**

Last Updated:	2022-01-22T02:34:08.000
Chemical Name:	WASTE 221 WASTE OIL & MIXED OIL
Common Name:	WASTE 221 WASTE OIL & MIXED OIL
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-110548
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0255902
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2022-01-22T02:34:08.000
Chemical Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Common Name:	USED ANTIFREEZE
Case Number:	Not reported

Name:	PEARSONS MARINE SERVICE
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	110548
Business Type:	6HK33
EPA Id Number:	CAL000069619
APN:	760-003-35-00
Last HMMD Inspection:	02/29/2012
Facility Telephone:	619-222-7084
Permit Status:	OPEN
Permit Expiration:	02/28/2013
Date Last Updated:	11/02/2012
Facility Owner:	THEODORE GRIFFITH
Facility Mailing Address:	2435 SHELTER ISLAND DR
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92106-3111
UST Owner:	THEODORE GRIFFITH
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	110548
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL
Other Information:	UNDERGROUND TANK 110548 T004
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	110548
Update Date:	11/02/2012
Case Number:	74-82-8
Name:	METHANE, COMPRESSED NATURAL GAS
Other Information:	Not reported
Material Waste:	Material

PEARSONS MARINE SERVICE (Continued) **U003789309**

Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported
Permit Number:	110548
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OIL: MOTOR, LUBRICATING :LUBRICATING OIL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Permit Number:	110548
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported
Permit Number:	110548
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 110548 T005
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Permit Number:	110548
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	110548
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information:	GAS & DIESEL WASTE WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	110548
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	USED ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

PEARSONS MARINE SERVICE (Continued) **U003789309**

Permit Number: 110548
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: DRAINED OIL FILTERS & FUEL FILTERS (RAGS)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 110548
Update Date: 11/02/2012
Inspection Date: 02/17/2011
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Permit Number: 110548
Update Date: 11/02/2012
Inspection Date: 02/17/2011
Violation Code: 6HV3254
Violation: UST SYSTEM W/O APPROVED OVERFILL PROTECT
Violation Citation: UST system does not have an approved overfill protection system. 2635(b)(2)
Activity: ACTIVE

Permit Number: 110548
Update Date: 11/02/2012
Inspection Date: 02/19/2010
Violation Code: 6HV3192
Violation: NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation: Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity: ACTIVE

Permit Number: 110548
Update Date: 11/02/2012
Inspection Date: 02/19/2010
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Permit Number: 110548
Update Date: 11/02/2012
Inspection Date: 02/23/2007
Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2
Activity: ACTIVE

Permit Number: 110548
Update Date: 11/02/2012
Inspection Date: 01/26/2005

PEARSONS MARINE SERVICE (Continued) **U003789309**

Violation Code: 6HV3254
Violation: UST SYSTEM W/O APPROVED OVERFILL PROTECT
Violation Citation: UST system does not have an approved overfill protection system. 2635(b)(2)
Activity: ACTIVE

Permit Number: 110548
Update Date: 11/02/2012
Inspection Date: 01/26/2005
Violation Code: 6HV3255
Violation: SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation: Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity: ACTIVE

Permit Number: 110548
Update Date: 11/02/2012
Inspection Date: 01/26/2005
Violation Code: 6HV3259
Violation: NO DISPENSER CONTAINMENT (REQUIRED)
Violation Citation: Dispenser containment currently required and not present. 25284.1(a)(5); 2636(g)
Activity: ACTIVE

Permit Number: 110548
Update Date: 11/02/2012
Inspection Date: 01/26/2005
Violation Code: 6HV3259
Violation: NO DISPENSER CONTAINMENT (REQUIRED)
Violation Citation: Dispenser containment currently required and not present. 25284.1(a)(5); 2636(g)
Activity: ACTIVE

Permit Number: 110548
Update Date: 11/02/2012
Inspection Date: 01/26/2005
Violation Code: 6HV3254
Violation: UST SYSTEM W/O APPROVED OVERFILL PROTECT
Violation Citation: UST system does not have an approved overfill protection system. 2635(b)(2)
Activity: ACTIVE

Permit Number: 110548
Update Date: 11/02/2012
Inspection Date: 11/25/2003
Violation Code: 6HV3107
Violation: MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation: Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity: ACTIVE

Permit Number: 110548
Update Date: 11/02/2012
Inspection Date: 11/25/2003
Violation Code: 6HV3108
Violation: UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation: Emergency Response Plan is not available/complete. 25289(b); 2632(b),

PEARSONS MARINE SERVICE (Continued) **U003789309**

2634(e), 2641(h)
Activity: ACTIVE

Permit Number: 110548
Update Date: 11/02/2012
Inspection Date: 11/25/2003
Violation Code: 6HV3109
Violation: NO SCALED PLOT PLAN AVAIL/TO HMD
Violation Citation: Scaled Plot plan showing tank, piping & equipment location not available/complete/submitted to HMD. 2711(a)(8), 2632(d)(1) (C)
Activity: ACTIVE

Permit Number: 110548
Update Date: 11/02/2012
Inspection Date: 11/25/2003
Violation Code: 6HV3405
Violation: LLD DOESN'T DETECT 3.0 GPH OR EQUIVA
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING: OPTION 3-Line leak detector does not detect 3.0 gph or equivalent? 2636(f)(2)
Activity: ACTIVE

Permit Number: 110548
Update Date: 11/02/2012
Inspection Date: 11/25/2003
Violation Code: 6HV3405
Violation: LLD DOESN'T DETECT 3.0 GPH OR EQUIVA
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING: OPTION 3-Line leak detector does not detect 3.0 gph or equivalent? 2636(f)(2)
Activity: ACTIVE

Permit Number: 110548
Update Date: 11/02/2012
Inspection Date: 11/25/2003
Violation Code: 6HV3406
Violation: AUTOMATIC LLD NOT CERTIFIED ANNUALLY
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING: OPTION 3-Automatic line leak detector not certified annually 25284.1(a)(4)(C); 2630(d), 2641(j)
Activity: ACTIVE

Permit Number: 110548
Update Date: 11/02/2012
Inspection Date: 11/25/2003
Violation Code: 6HV3406
Violation: AUTOMATIC LLD NOT CERTIFIED ANNUALLY
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING: OPTION 3-Automatic line leak detector not certified annually 25284.1(a)(4)(C); 2630(d), 2641(j)
Activity: ACTIVE

Permit Number: 110548
Update Date: 11/02/2012
Inspection Date: 02/17/2006
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity: ACTIVE

PEARSONS MARINE SERVICE (Continued) **U003789309**

Permit Number:	110548
Update Date:	11/02/2012
Inspection Date:	02/29/2008
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE

Permit Number:	110548
Update Date:	11/02/2012
Inspection Date:	02/29/2008
Violation Code:	6HV3267
Violation:	DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation:	Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity:	ACTIVE

Permit Number:	110548
Update Date:	11/02/2012
Inspection Date:	02/29/2008
Violation Code:	6HV3267
Violation:	DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation:	Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity:	ACTIVE

UST:

UST Name:	UNDERGROUND TANK 110548 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	110548
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1988-05-17 00:00:00
Year Installed:	1965-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 110548 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	110548
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	5000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1988-05-17 00:00:00
Year Installed:	1970-01-01 00:00:00
Pipe Type:	SINGLE WALL

PEARSONS MARINE SERVICE (Continued) **U003789309**

Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 110548 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	110548
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	500
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1950-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 110548 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	110548
Tank Type:	DOUBLE WALL
Additional Id:	RT1171 DIESEL, RT2587, RT3110, RT3101
Capacity Gallons:	15000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1987-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	64
UST Monitor Method:	DW TANK W/DRY ANNULAR, DW PRESSURE PIPE; FAILSAFE & POS SHUTOFF, 3.0 LLD; SW ABOVE GROUND PIPE W/VISUAL MONIT; UDC W/MECH FLOAT

UST Name:	UNDERGROUND TANK 110548 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	110548
Tank Type:	DOUBLE WALL
Additional Id:	RT1171 UNLEADED, RT2587, RT3110, RT3101
Capacity Gallons:	6000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1987-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	64
UST Monitor Method:	DW TANK W/DRY ANNULAR, DW PRESSURE PIPE; FAILSAFE & POS SHUTOFF, 3.0 LLD; SW ABOVE GROUND PIPE W/VISUAL MONIT; UDC W/MECH FLOAT

PEARSONS MARINE SERVICE (Continued) **U003789309**

CERS HAZ WASTE:

Name:	PEARSON MARINE FUELS, INC
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
Site ID:	399208
CERS ID:	10382479
CERS Description:	Hazardous Waste Generator

SWEEPS UST:

Name:	PEARSONS MARINE SERVICE
Address:	2435 SHELTER ISLAND DR
City:	SAN DIEGO
Status:	Not reported
Comp Number:	10548
Number:	Not reported
Board Of Equalization:	44-022470
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-010548-000001
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	3

Name:	PEARSONS MARINE SERVICE
Address:	2435 SHELTER ISLAND DR
City:	SAN DIEGO
Status:	Not reported
Comp Number:	10548
Number:	Not reported
Board Of Equalization:	44-022470
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-010548-000002
Tank Status:	Not reported
Capacity:	5000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

Name:	PEARSONS MARINE SERVICE
Address:	2435 SHELTER ISLAND DR
City:	SAN DIEGO
Status:	Not reported
Comp Number:	10548
Number:	Not reported
Board Of Equalization:	44-022470

PEARSONS MARINE SERVICE (Continued) **U003789309**

Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-010548-000003
Tank Status:	Not reported
Capacity:	500
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	WASTE
Content:	Not reported
Number Of Tanks:	Not reported

Name:	PEARSONS MARINE SERVICE
Address:	2435 SHELTER ISLAND DR
City:	SAN DIEGO
Status:	Active
Comp Number:	10548
Number:	9
Board Of Equalization:	44-022470
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-010548-000004
Tank Status:	A
Capacity:	15000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	OTHER
Number Of Tanks:	2

Name:	PEARSONS MARINE SERVICE
Address:	2435 SHELTER ISLAND DR
City:	SAN DIEGO
Status:	Active
Comp Number:	10548
Number:	9
Board Of Equalization:	44-022470
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-010548-000005
Tank Status:	A
Capacity:	6000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

CERS TANKS:

Name:	PEARSON MARINE FUELS, INC
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106

PEARSONS MARINE SERVICE (Continued) **U003789309**

Site ID:	399208
CERS ID:	10382479
CERS Description:	Underground Storage Tank

CHMIRS:

Name:	Not reported
Address:	2435 SHELTER ISLAND DR.
City,State,Zip:	SAN DIEGO, CA
OES Incident Number:	20-4650
OES notification:	08/25/2020
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego Harbor
Spill Site:	Ship/Harbor/Port
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	CHEMICAL
Measure:	Gal(s)
Other:	Not reported
Date/Time:	935
Year:	2020
Agency:	San Diego Harbor Police
Incident Date:	08/25/2020
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Stopped,Contained
Site Type:	San Diego Harbor

PEARSONS MARINE SERVICE (Continued) **U003789309**

E Date:	Not reported
Substance:	Anti Freeze (Ethylene Glycol)
Quantity Released:	2
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	RP states that a generator overheated and caused a hose to blow, the release went into the bilge and was pumped into the San Diego Harbor. Cleanup is underway by the responsible party.

CORTESE:

Name:	PEARSONS MARINE SERVICE
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 921063111
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607302985
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

SAN DIEGO CO LOP:

Name:	PEARSONS MARINE SERVICE
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
Record ID:	DEH1987-LSAM-H10548-001
Record Status:	Completed

PEARSONS MARINE SERVICE (Continued) **U003789309**

Opened Date:	05/06/1987
Parcel Number:	760-003-35-00
Case Type:	LOP - Local Oversight Program
Historical Name:	CHEVRON
SWRCB Global ID:	T0607302985
Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	05/06/1987
Census Tract:	99.02
Community:	San Diego
Jurisdiction:	SAN DIEGO
Watershed Basin Number:	912.0
Water Purveyor:	SAN DIEGO
Fire Agency:	SAN DIEGO
Latitude:	32.7189718
Longitude:	-117.2259635
X MapCoord:	6261510.094
Y MapCoord:	1842805.374

CERS:

Name:	PEARSON MARINE FUELS, INC
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
Site ID:	399208
CERS ID:	10382479
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	399208
Site Name:	PEARSON MARINE FUELS, INC
Violation Date:	02-14-2014
Citation:	23 CCR 16 2666(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666(c)
Violation Description:	Failure of line leak detector to detect a leak and/or failure of audible and visual alarm.
Violation Notes:	Returned to compliance on 02/14/2014. Inspection Sequence ID:5001771;Tank ID:87,03;Violation Description:Failure of line leak detector to detect a leak and/or failure of audible and visual alarm. 23 CCR 16 2636(f)(2), 2666.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,

Site ID:	399208
Site Name:	PEARSON MARINE FUELS, INC
Violation Date:	02-05-2019
Citation:	23 CCR 16 2712(b)(1)(G) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(b)(1)(G)
Violation Description:	Failure to comply with one or more of the following overfill prevention equipment requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of

PEARSONS MARINE SERVICE (Continued) **U003789309**

	capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention equipment is installed, repaired, or replaced on and after October 1, 2018. For USTs installed before October 1, 2018, perform an inspection by October 13, 2018 and every 36 months thereafter. For USTs installed on and after October 1, 2018, perform an inspection at installation and every 36 months thereafter. Inspected within 30 days after a repair to the overfill prevention equipment. Inspected using an applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Inspected by a certified UST service technician. Maintain records of overfill prevention equipment inspection for 36 months.
Violation Notes:	Returned to compliance on 02/05/2019. Inspection Sequence ID:6079709;Tank ID:20788,20789;Violation Description:(TCR 9b) Failure to comply with one or more of the following overfill prevention equipment requirements: 1. Alert the transfer operator when the tank is 90% full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30m before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95% of capacity and activate an audible alarm at least 5m before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95% of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. 5. Install/retrofit overfill prevention equipment that does not use flow restrictors on vent piping to meet overfill prevention equipment requirements when the overfill prevention
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,

Site ID:	399208
Site Name:	PEARSON MARINE FUELS, INC
Violation Date:	02-13-2015
Citation:	23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description:	Failure of sensor to be located in the proper position/location.
Violation Notes:	Returned to compliance on 02/13/2015.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,

Site ID:	399208
Site Name:	PEARSON MARINE FUELS, INC
Violation Date:	02-14-2014
Citation:	HSC 6.95 25505(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(c)
Violation Description:	Failure to review, revise, and recertify the business plan at least once every three years.
Violation Notes:	Not reported
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

PEARSONS MARINE SERVICE (Continued) **U003789309**

Site ID:	399208
Site Name:	PEARSON MARINE FUELS, INC
Violation Date:	02-05-2019
Citation:	23 CCR 16 2632(c)(2)(A)&(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(c)(2)(A)&(B)
Violation Description:	Failure to continuously monitor the interstitial space of a double-walled tank with an audible and visual alarm system.
Violation Notes:	Returned to compliance on 02/08/2019. Inspection Sequence ID:6079709;Tank ID:20788;Violation Description:(TCR 9d) Failure to continuously monitor the interstitial space of a double-walled tank with an audible and visual alarm system. 23 CCR 2631(g), 2632(c)(2)(A-B)
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,

Site ID:	399208
Site Name:	PEARSON MARINE FUELS, INC
Violation Date:	11-01-2013
Citation:	22 CCR 12 66262.34(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(a)
Violation Description:	Failure to obtain a permit or grant of interim status to accumulate hazardous waste longer than 90 days.
Violation Notes:	Returned to compliance on 11/13/2013. Inspection Sequence ID:4955479
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

Site ID:	399208
Site Name:	PEARSON MARINE FUELS, INC
Violation Date:	02-14-2014
Citation:	19 CCR 4 2729.5 - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.5
Violation Description:	Failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages, if required. Documentation must be resubmitted (for facilities which exceed EPCRA thresholds) or re-certified (for facilities which do not exceed EPCRA thresholds) by March 1.
Violation Notes:	Returned to compliance on 10/03/2014. Inspection Sequence ID:5001771
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	399208
Site Name:	PEARSON MARINE FUELS, INC
Violation Date:	02-27-2020
Citation:	23 CCR 16 2715(a)(1)(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)(1)(B)
Violation Description:	Failure to submit the Designated Underground Storage Tank Operator Identification Form within 30 days of installing a UST system or within 30 days of a change in DO.
Violation Notes:	Returned to compliance on 03/25/2020. Inspection Sequence ID:6389128;Tank ID:20788,20789;Violation Description:(TCR 10) Failure to submit the "Designated Underground Storage Tank Operator Identification Form" within 30 days of installing a UST system or within 30 days of a change in DO. 23 CCR 2715(a)(1)(B), 2715(a)(3)
Violation Division:	San Diego County Department of Env Health

PEARSONS MARINE SERVICE (Continued) **U003789309**

Violation Program:	UST
Violation Source:	CERS,
Site ID:	399208
Site Name:	PEARSON MARINE FUELS, INC
Violation Date:	02-27-2020
Citation:	23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description:	For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes:	Returned to compliance on 02/28/2020. Inspection Sequence ID:6389128;Tank ID:20788,20789;Violation Description:(TCR 12) Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR, 2715(c). For designated operator (DO) 30
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	399208
Site Name:	PEARSON MARINE FUELS, INC
Violation Date:	02-27-2020
Citation:	23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description:	Failure of the functional line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes:	Returned to compliance on 03/20/2020. Inspection Sequence ID:6389128;Tank ID:20789;Violation Description:(TCR 9d) Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or

PEARSONS MARINE SERVICE (Continued) **U003789309**

	more of the following requirements: Monitored at least hourly. with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping when a leak is detected. 23 CCR 2636(f)(2)
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	399208
Site Name:	PEARSON MARINE FUELS, INC
Violation Date:	02-13-2015
Citation:	HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description:	Failure to obtain and maintain a valid operation permit from the CUPA.
Violation Notes:	Returned to compliance on 03/17/2015.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-02-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5831725
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-12-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5275790
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-13-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5032809
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-02-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5831725
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection

PEARSONS MARINE SERVICE (Continued) **U003789309**

Eval Date:	02-08-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5586313
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-13-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5032809
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-14-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5001771
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	02-22-2021
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	"No On-site Inspection" Inspector: Villena Elaine Inspection ID:6609477
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	11-01-2013
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspector: McLernon Benjamin Inspection ID:4955479
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-05-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kiener Michael Inspection ID:6079709
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-05-2019
Violations Found:	No

PEARSONS MARINE SERVICE (Continued) **U003789309**

Eval Type: Routine done by local agency
Eval Notes: Inspector: Kiener Michael Inspection ID:6079709
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-08-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:5586313
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-08-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:5586313
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-14-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:5001771
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-27-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Villena Elaine Inspection ID:6389128
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-02-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:5831725
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-05-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kiener Michael Inspection ID:6079709
Eval Division: San Diego County Department of Env Health

PEARSONS MARINE SERVICE (Continued) **U003789309**

Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-12-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5275790
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-12-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5275790
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-13-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5032809
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-14-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Fernandez Juan Inspection ID:5001771
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	11-01-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspector: McLernon Benjamin Inspection ID:4955479
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Coordinates:

Site ID:	399208
Facility Name:	PEARSON MARINE FUELS, INC
Env Int Type Code:	HMBP
Program ID:	10382479
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	32.718970
Longitude:	-117.225960

PEARSONS MARINE SERVICE (Continued) **U003789309**

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	UST Tank Operator
Entity Name:	THEODORE GRIFFITH
Entity Title:	Not reported
Affiliation Address:	2435 Shelter Island Drive
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92106
Affiliation Phone:	(619) 222-7084,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2435 SHELTER ISLAND DR
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92106-3111
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Francine Schumacher
Entity Title:	Office Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	PEARSONS MARINE SERVICE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Francine Schumacher
Entity Title:	Office Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported

PEARSONS MARINE SERVICE (Continued) **U003789309**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(619) 222-7084,

Affiliation Type Desc:	Document Preparer
Entity Name:	Francine Schumacher
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	THEODORE GRIFFITH
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(619) 742-4422,

Affiliation Type Desc:	UST Tank Owner
Entity Name:	THEODORE GRIFFITH
Entity Title:	Not reported
Affiliation Address:	2435 Shelter Island Drive
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92106
Affiliation Phone:	(619) 222-7084,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Don Sansome
Entity Title:	Not reported
Affiliation Address:	2435 Shelter Island Drive
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92106
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	PEARSON MARINE FUELS INC
Entity Title:	Not reported
Affiliation Address:	2435 SHELTER ISLAND DR
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92106
Affiliation Phone:	(619) 222-7084,

Affiliation Type Desc:	Property Owner
Entity Name:	PEARSON MARINE FUELS INC
Entity Title:	Not reported

PEARSONS MARINE SERVICE (Continued) **U003789309**

Affiliation Address:	2435 SHELTER ISLAND DR
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92106
Affiliation Phone:	(619) 222-7084,
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	Theodore Griffith
Entity Title:	Not reported
Affiliation Address:	2435 SHELTER ISLAND DR
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92106
Affiliation Phone:	(619) 222-7084,

Name:	PEARSONS MARINE SERVICE
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 921063111
Site ID:	201224
CERS ID:	T0607397184
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	SCOTT WELDON - SAN DIEGO COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Name:	PEARSONS MARINE SERVICE
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 921063111
Site ID:	201224
CERS ID:	T0607302985
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	SCOTT WELDON - SAN DIEGO COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

M74 **PEARSON MARINE** **LUST** **U001572738**
SSW **2435 SHELTER ISLAND** **CPS-SLIC** **N/A**
1/4-1/2 **SAN DIEGO, CA 92106** **HIST UST**
0.316 mi. **CHMIRS**
1668 ft. **Site 7 of 8 in cluster M** **HIST CORTESE**

Relative:
Higher

Actual:
10 ft.

LUST:

Name:	PEARSONS MARINE SERVICE
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 921063111
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607302985
Global Id:	T0607302985
Latitude:	32.7190628
Longitude:	-117.225364
Status:	Completed - Case Closed
Status Date:	12/05/2001
Case Worker:	SW
RB Case Number:	9UT719
Local Agency:	SAN DIEGO COUNTY LOP
File Location:	Local Agency
Local Case Number:	H10548-001
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

LUST:

Global Id:	T0607302985
Contact Type:	Local Agency Caseworker
Contact Name:	SCOTT WELDON
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	scott.weldon@sdcounty.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0607302985
Action Type:	Other
Date:	05/06/1987
Action:	Leak Began
Global Id:	T0607302985
Action Type:	Other
Date:	05/06/1987
Action:	Leak Reported
Global Id:	T0607302985
Action Type:	ENFORCEMENT
Date:	05/06/1987
Action:	Notice of Responsibility
Global Id:	T0607302985
Action Type:	Other
Date:	05/06/1987
Action:	Leak Stopped
Global Id:	T0607302985

PEARSON MARINE (Continued) **U001572738**

Action Type:	ENFORCEMENT
Date:	12/05/2001
Action:	Closure/No Further Action Letter
Global Id:	T0607302985
Action Type:	Other
Date:	05/06/1987
Action:	Leak Discovery

LUST:

Global Id:	T0607302985
Status:	Open - Case Begin Date
Status Date:	05/06/1987
Global Id:	T0607302985
Status:	Completed - Case Closed
Status Date:	12/05/2001

CPS-SLIC:

Name:	PEARSONS MARINE SERVICE
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 921063111
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	03/24/2005
Global Id:	T0607397184
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H10548-002
Latitude:	32.71904
Longitude:	-117.225892
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

HIST UST:

Name:	PEARSON MARINE
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
File Number:	0002AEB2
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002AEB2.pdf
Region:	STATE
Facility ID:	00000021944
Facility Type:	Other
Other Type:	MARINA
Contact Name:	RONALD PEARSON
Telephone:	6192227084
Owner Name:	CHEVRON USA INC.
Owner Address:	1201 S. BEACH BLVD

PEARSON MARINE (Continued) **U001572738**

Owner City,St,Zip:	LA HABRA, CA 90631
Total Tanks:	0002
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00003000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

CHMIRS:

Name:	Not reported
Address:	2435 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA
OES Incident Number:	10-4676
OES notification:	08/05/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes

PEARSON MARINE (Continued) **U001572738**

Waterway:	San Diego Bay
Spill Site:	Ship/Harbor/Port
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	800
Year:	2010
Agency:	NRC
Incident Date:	8/5/2010
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Unknown
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Unknown Oil
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller stated an unknown sheen was discovered in the water.

Name:	Not reported
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA
OES Incident Number:	4-3885
OES notification:	07/10/2014
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported

PEARSON MARINE (Continued) **U001572738**

Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Shelter Island Basin
Spill Site:	Waterways
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Sheen
Other:	Not reported
Date/Time:	800
Year:	2014
Agency:	NRC
Incident Date:	7/10/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Unknown
Site Type:	Shelter Island Basin
E Date:	Not reported
Substance:	Unknown Oil
Quantity Released:	120ft
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Unknown
Fatals:	No
Comments:	Not reported
Description:	Per NRC #1088599: "CALLER IS REPORTING A GREY SHEEN IN THE WATER FROM AN UNKNOWN SOURCE." Unknown clean up information.

Name:	Not reported
Address:	2435 SHELTER ISLAND DR

PEARSON MARINE (Continued) **U001572738**

City,State,Zip:	SAN DIEGO, CA 92106
OES Incident Number:	10-3005
OES notification:	05/14/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego Bay
Spill Site:	Ship/Harbor/Port
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	700
Year:	2010
Agency:	NRC
Incident Date:	5/14/2010
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Unknown
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Unknown Oil
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported

PEARSON MARINE (Continued) **U001572738**

#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per NRC Fax, Caller stated an unknown sheen was discovered in San Diego Bay near their facility. Sheen size is 120 Ft X 35 Ft.

Name:	Not reported
Address:	2435 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
OES Incident Number:	10-2334
OES notification:	04/13/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego Bay
Spill Site:	Ship/Harbor/Port
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Sheen
Other:	Not reported
Date/Time:	900
Year:	2010
Agency:	NRC
Incident Date:	4/13/2010

PEARSON MARINE (Continued) **U001572738**

Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Unknown
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Unknown Oil
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Quoting the NRC report: "Caller stated an unknown sheen was discovered in the San Diego Bay near their facility."

Name:	Not reported
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
OES Incident Number:	1-6074
OES notification:	10/12/2011
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported

PEARSON MARINE (Continued) **U001572738**

Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego Bay
Spill Site:	Ship/Harbor/Port
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Oz.
Other:	Not reported
Date/Time:	915
Year:	2011
Agency:	NRC
Incident Date:	10/12/2011
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Oil - Waste Type
Quantity Released:	1
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per NRC report: Caller stated there was a spill of waste oil from a diaphragm pump due to operator error, spill has been cleaned up with absorbents.

Name:	Not reported
Address:	2435 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
OES Incident Number:	13-5084
OES notification:	08/17/2013
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported

PEARSON MARINE (Continued) **U001572738**

Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego Bay
Spill Site:	Waterways
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1500
Year:	2013
Agency:	NRC
Incident Date:	8/17/2013
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Diesel
Quantity Released:	1
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Quoting the NRC Report: "CALLER STATED THAT THEY WERE FILLING A VESSEL AND APPROXIMATELY 1 GALLON OF DIESEL FUEL WENT INTO THE WATER." "ABSORBENTS APPLIED."

PEARSON MARINE (Continued) **U001572738**

Name:	Not reported
Address:	2435 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
OES Incident Number:	1-4559
OES notification:	08/01/2011
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego Bay/Pacific Ocean
Spill Site:	Ship/Harbor/Port
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1925
Year:	2011
Agency:	NRC
Incident Date:	8/1/2011
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Bay/Pacific Ocean
E Date:	Not reported
Substance:	Diesel
Quantity Released:	1.5
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported

PEARSON MARINE (Continued) **U001572738**

Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	From the NRC Report: Caller stated while the M/V Indigo Sea was fueling 1.5 gallons of diesel fuel discharged from the vessel into the water. Hard boom was used along with an absorbent sweep and pads, clean up is completed.

Name:	Not reported
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
OES Incident Number:	1-7379
OES notification:	12/14/2011
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego Bay
Spill Site:	Ship/Harbor/Port
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown

PEARSON MARINE (Continued) **U001572738**

Other:	Not reported
Date/Time:	830
Year:	2011
Agency:	NRC
Incident Date:	12/14/2011
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Unknown
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Unknown Oil
Quantity Released:	Unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per NRC Fax: Caller reported an unknown sheen coming from an unknown source.

Name:	Not reported
Address:	2435 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
OES Incident Number:	10-1995
OES notification:	03/24/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported

PEARSON MARINE (Continued) **U001572738**

Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego Bay
Spill Site:	Ship/Harbor/Port
Cleanup By:	None
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Sheen
Other:	Not reported
Date/Time:	1315
Year:	2010
Agency:	NRC
Incident Date:	3/24/2010
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Unknown
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Unknown Oil
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per NRC report: "Caller stated that there is an unknown sheen drifting in from the west toward the docks."

Name:	Not reported
Address:	2435 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
OES Incident Number:	10-3781
OES notification:	06/22/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported

PEARSON MARINE (Continued) **U001572738**

Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Yacht Basin
Spill Site:	Ship/Harbor/Port
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	700
Year:	2010
Agency:	NRC
Incident Date:	6/22/2010
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Unknown
Site Type:	Yacht Basin
E Date:	Not reported
Substance:	UNK
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	CALLER IS REPORTING AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE.

PEARSON MARINE (Continued) **U001572738**

HIST CORTESE:

edr_fname:	PEARSON MARINE
edr_fadd1:	2435 SHELTER ISLAND
City,State,Zip:	SAN DIEGO, CA 92106
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT719

M75
SSW
1/4-1/2
0.316 mi.
1668 ft.

PEARSON MARINE FUELS INC
2435 SHELTER ISLAND DR
SAN DIEGO, CA 92106

Site 8 of 8 in cluster M

LUST
CHMIRS
EMI
CERS

S105034079
N/A

Relative:
Higher

Actual:
10 ft.

LUST:
No Details: No Details

CHMIRS:

Name:	Not reported
Address:	2435 SHELTER ISLAND
City,State,Zip:	SAN DIEGO, CA
OES Incident Number:	2-6326
OES notification:	11/19/2002
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego Bay
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported

PEARSON MARINE FUELS INC (Continued) **S105034079**

Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2002
Agency:	NRC
Incident Date:	11/19/200212:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Ship/Harbor/Port
E Date:	Not reported
Substance:	unknown oil
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per NRC; The caller reports a release of 5 gallons of material due to an overflow of a fuel tank.

Name:	Not reported
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
OES Incident Number:	2-3687
OES notification:	07/07/2002
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported

PEARSON MARINE FUELS INC (Continued) **S105034079**

Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego Harbor Bay
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2002
Agency:	NRC
Incident Date:	7/7/200212:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Ship/Harbor/Port
E Date:	Not reported
Substance:	Oil, Fuel No 2-D
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per the NRC Fax: Caller reporting a release of material from a fuel pump due to equipment failure. Sheen size is 10 Ft X 10 Ft. Remedial Actions, Booms applied, material contained.

Name:	Not reported
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA
OES Incident Number:	1-2824
OES notification:	05/16/2001
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**

PEARSON MARINE FUELS INC (Continued) **S105034079**

Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego Harbor
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2001
Agency:	NRC
Incident Date:	5/16/200112:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Unknown
Site Type:	Ship/Harbor/Port
E Date:	Not reported
Substance:	Diesel
Unknown:	Unk
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported

PEARSON MARINE FUELS INC (Continued) **S105034079**

Fatals:	Not reported
Comments:	Not reported
Description:	The caller is reporting that an unknown 34 ft sailboat spilled diesel into the harbor. Sorbents have been applied.
Name:	Not reported
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA
OES Incident Number:	7-3239
OES notification:	05/28/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	San Diego Bay
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	NRC
Incident Date:	5/28/2007 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Unknown
Site Type:	Waterways
E Date:	Not reported
Substance:	Oil

PEARSON MARINE FUELS INC (Continued) **S105034079**

Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per the NRC Report # 836709. "CALLER IS REPORTING AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE."

Name:	Not reported
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA
OES Incident Number:	1-4966
OES notification:	08/31/2001
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego Harbor
Spill Site:	Not reported
Cleanup By:	Responsible Party
Containment:	Not reported

PEARSON MARINE FUELS INC (Continued) **S105034079**

What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2001
Agency:	NRC
Incident Date:	8/31/200112:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Ship/Harbor/Port
E Date:	Not reported
Substance:	oil
Gallons:	5
Unknown:	0.000000
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per the caller to NRC, Diesel overflowed from the M/V Voyager causing a spill.

Name:	Not reported
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA
OES Incident Number:	13-3443
OES notification:	06/06/2013
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported

PEARSON MARINE FUELS INC (Continued) **S105034079**

Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego Bay
Spill Site:	Ship/Harbor/Port
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	1425
Year:	2013
Agency:	NRC
Incident Date:	6/6/2013
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Diesel
Quantity Released:	Unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per NRC Fax: Caller stated that there was a discharge of diesel fuel while fueling a vessel. Sheen size is 1 ft X 1 Ft. REMEDIAL ACTIONS, Booms applied, absorbents applied.

Name:	Not reported
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
OES Incident Number:	08-2777
OES notification:	04/14/2008
OES Date:	Not reported
OES Time:	Not reported

PEARSON MARINE FUELS INC (Continued) **S105034079**

Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego Bay
Spill Site:	Ship/Harbor/Port
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	0730
Year:	2008
Agency:	NRC
Incident Date:	4/14/2008
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Unknown
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Unknown Oil
Quantity Released:	Unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported

PEARSON MARINE FUELS INC (Continued) **S105034079**

Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per NRC fax: Caller is reporting an unknown sheen at his marine fuel dock. The extent of the sheen is unknown but extends as far as he can see, which is not very far.

Name:	Not reported
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA
OES Incident Number:	08-6367
OES notification:	08/31/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego Bay
Spill Site:	Ship/Harbor/Port
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	0756
Year:	2008
Agency:	NRC
Incident Date:	8/31/2008
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Unknown

PEARSON MARINE FUELS INC (Continued) **S105034079**

Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Unknown Oil
Quantity Released:	Unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per NRC fax: Caller is reporting an unknown sheen from an unknown source. Sheen color is rainbow.

Name:	Not reported
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA
OES Incident Number:	6-5386
OES notification:	09/09/2006
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	San Diego Bay

PEARSON MARINE FUELS INC (Continued) **S105034079**

Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	NRC
Incident Date:	9/9/2006 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Unknown
Site Type:	Ship/Harbor/Port
E Date:	Not reported
Substance:	Unknown Oil
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per NRC Fax, Caller states an unknown sheen is at Pearson Marine Fuel Dock in San Diego Bay. Sheen size is 70 Ft X 2 Ft.

Name:	Not reported
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA
OES Incident Number:	3-2159
OES notification:	04/24/2003
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported

PEARSON MARINE FUELS INC (Continued) **S105034079**

Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Shelter Island Basin
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2003
Agency:	NRC
Incident Date:	4/24/200312:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Unknown
Site Type:	Waterways
E Date:	Not reported
Substance:	Diesel
Gallons:	2
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller stated that vessel refueling operations was being conducted and some diesel fuel spilled into the water. They suspect a fuel line or hose was blocked.

Name:	Not reported
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106

PEARSON MARINE FUELS INC (Continued) **S105034079**

OES Incident Number:	13-3198
OES notification:	05/27/2013
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego Bay
Spill Site:	Ship/Harbor/Port
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	700
Year:	2013
Agency:	NRC
Incident Date:	5/27/2013
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Unknown
Site Type:	San Diego Bay
E Date:	Not reported
Substance:	Unknown Oil
Quantity Released:	Unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported

PEARSON MARINE FUELS INC (Continued) **S105034079**

#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per NRC Fax: A Private boat has sunk near a marina causing a spill of fuel or oil to the water and creating a large sheen. Sheen Odor is diesel, Vessel is a Pleasure Craft.

Name:	Not reported
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA
OES Incident Number:	1-4675
OES notification:	08/16/2001
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego Bay
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2001
Agency:	NRC

PEARSON MARINE FUELS INC (Continued) **S105034079**

Incident Date:	8/16/200112:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Ship/Harbor/Port
E Date:	Not reported
Substance:	oil
Gallons:	10
Unknown:	0.000000
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	This material released out of the fuel hose due to an unknown cause at this time.

Name:	Not reported
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA
OES Incident Number:	6-5527
OES notification:	09/16/2006
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported

PEARSON MARINE FUELS INC (Continued) **S105034079**

Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	San Diego Bay
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	NRC
Incident Date:	9/16/2006 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Unknown
Site Type:	Ship/Harbor/Port
E Date:	Not reported
Substance:	Unknown Oil
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per NRC Fax, The caller is reporting a unknown sheen sighting in San Diego Bay.

Name:	Not reported
Address:	2435 SHELTER ISLAND COVE
City,State,Zip:	SAN DIEGO, CA 92106
OES Incident Number:	12-2753
OES notification:	05/09/2012
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported

PEARSON MARINE FUELS INC (Continued) **S105034079**

More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego Harbor
Spill Site:	Ship/Harbor/Port
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Sheen
Other:	Not reported
Date/Time:	732
Year:	2012
Agency:	NRC
Incident Date:	5/9/2012
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Unknown
Site Type:	San Diego Harbor
E Date:	Not reported
Substance:	Oil - Unknown Type
Quantity Released:	Unk
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per NRC report: Caller reported an unknown sheen coming from an unknown source.

Name:	Not reported
Address:	2435 SHELTER ISLAND

PEARSON MARINE FUELS INC (Continued) **S105034079**

City,State,Zip:	SAN DIEGO, CA 92106
OES Incident Number:	3-5276
OES notification:	10/10/2003
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego Bay
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2003
Agency:	NRC
Incident Date:	10/10/200312:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Ship/Harbor/Port
E Date:	Not reported
Substance:	Diesel
Gallons:	2
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported

PEARSON MARINE FUELS INC (Continued) **S105034079**

#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per NRC REPORT: While transferring fuel from one tank to another. The vessel spilled 2 gallons of diesel fuel into San Diego Bay. The spill was contained with absorbents.

Name:	Not reported
Address:	2435 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
OES Incident Number:	17-2134
OES notification:	03/15/2017
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	SHELTER ISLAND BASIN
Spill Site:	Ship/Harbor/Port
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Oz.

PEARSON MARINE FUELS INC (Continued) **S105034079**

Other:	Not reported
Date/Time:	910
Year:	2017
Agency:	NRC
Incident Date:	03/15/2017
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	SHELTER ISLAND BASIN
E Date:	Not reported
Substance:	Gqsoline
Quantity Released:	1
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	CALLER IS REPORTING THAT A FUEL LINE ON A FUEL DOCK DEVELOPED A LEAK FROM A LINE, RESULTING IN THE DISCHARGE OF GASOLINE INTO SHELTER ISLAND BASIN. BOOM WAS DEPLOYED. LINE WAS ISOLATED AND IS BEING REPAIRED.

Name:	Not reported
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA
OES Incident Number:	5-6468
OES notification:	11/09/2005
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported

PEARSON MARINE FUELS INC (Continued) **S105034079**

Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	San Diego Bay
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	NRC
Incident Date:	11/9/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Unknown
Site Type:	Ship/Harbor/Port
E Date:	Not reported
Substance:	Unknown Oil
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per NRC Fax, Caller is reporting an unknown sheen from an unknown source.

Name:	Not reported
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA
OES Incident Number:	5-2357
OES notification:	04/20/2005
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported

PEARSON MARINE FUELS INC (Continued) **S105034079**

Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	San Diego Bay
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	NRC
Incident Date:	4/20/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Unknown
Site Type:	Ship/Harbor/Port
E Date:	Not reported
Substance:	Sheen
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported

PEARSON MARINE FUELS INC (Continued) **S105034079**

Fatals:	Not reported
Comments:	Not reported
Description:	Per the NRC report, caller is reporting an unknown sheen.

Name:	Not reported
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA
OES Incident Number:	5-3949
OES notification:	07/02/2005
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	San Diego Bay
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	NRC
Incident Date:	7/2/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Unknown
Site Type:	Ship/Harbor/Port
E Date:	Not reported
Substance:	Unknown Oil
Gallons:	0.000000

PEARSON MARINE FUELS INC (Continued) **S105034079**

Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per NRC FAX: The caller is reporting an unknown sheen in San Diego Bay. The caller states that the material is inside the dock area and adjacent to the dock area, but it is not a sheen but it is a discoloration on the water in broken up patches. Not reported

Name:	Not reported
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA
OES Incident Number:	6-5084
OES notification:	08/25/2006
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	San Diego Bay

PEARSON MARINE FUELS INC (Continued) **S105034079**

Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	NRC
Incident Date:	8/25/2006 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Unknown
Site Type:	Ship/Harbor/Port
E Date:	Not reported
Substance:	Unknown Oils
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per NRC Fax: Caller is reporting an unknown sheen from an unknown source. Sheen size is 70 Ft X 10 Ft

Name:	Not reported
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA
OES Incident Number:	5-4859
OES notification:	08/19/2005
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported

PEARSON MARINE FUELS INC (Continued) **S105034079**

Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	San Diego Bay
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	NRC
Incident Date:	8/19/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Unknown
Site Type:	Ship/Harbor/Port
E Date:	Not reported
Substance:	Unknown Oil
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per NRC Fax: Caller is reporting an unknown sheen from an unknown source.

EMI:

Name:	PEARSON MARINE FUELS INC
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2006

PEARSON MARINE FUELS INC (Continued) **S105034079**

County Code:	37
Air Basin:	SD
Facility ID:	1516
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.14
Reactive Organic Gases Tons/Yr:	.14
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PEARSON MARINE FUELS INC
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 93252
Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	1516
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.14
Reactive Organic Gases Tons/Yr:	.14
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PEARSON MARINE FUELS INC
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	1516
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.14
Reactive Organic Gases Tons/Yr:	.14
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PEARSON MARINE FUELS INC

PEARSON MARINE FUELS INC (Continued) **S105034079**

Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	1516
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.14000000000000001
Reactive Organic Gases Tons/Yr:	0.14000000000000001
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PEARSON MARINE FUELS INC
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	1516
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.14000000000000001
Reactive Organic Gases Tons/Yr:	0.14000000000000001
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PEARSON MARINE FUELS INC
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	1516
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.14
Reactive Organic Gases Tons/Yr:	0.14
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0

PEARSON MARINE FUELS INC (Continued) **S105034079**

Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name:	PEARSON MARINE FUELS INC
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2012
County Code:	37
Air Basin:	SD
Facility ID:	1516
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.14
Reactive Organic Gases Tons/Yr:	0.14
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PEARSON MARINE FUELS INC
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2013
County Code:	37
Air Basin:	SD
Facility ID:	1516
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.14
Reactive Organic Gases Tons/Yr:	0.14
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PEARSON MARINE FUELS INC
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2014
County Code:	37
Air Basin:	SD
Facility ID:	1516
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.14
Reactive Organic Gases Tons/Yr:	0.14
Carbon Monoxide Emissions Tons/Yr:	0

PEARSON MARINE FUELS INC (Continued) **S105034079**

NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PEARSON MARINE FUELS INC
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2015
County Code:	37
Air Basin:	SD
Facility ID:	1516
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.14
Reactive Organic Gases Tons/Yr:	0.14
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PEARSON MARINE FUELS INC
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2016
County Code:	37
Air Basin:	SD
Facility ID:	1516
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.14
Reactive Organic Gases Tons/Yr:	0.14
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	PEARSON MARINE FUELS INC
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2017
County Code:	37
Air Basin:	SD
Facility ID:	1516
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

PEARSON MARINE FUELS INC (Continued) **S105034079**

Total Organic Hydrocarbon Gases Tons/Yr:	0.14
Reactive Organic Gases Tons/Yr:	0.14
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	PEARSON MARINE FUELS INC
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2018
County Code:	37
Air Basin:	SD
Facility ID:	1516
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.14
Reactive Organic Gases Tons/Yr:	0.14
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	PEARSON MARINE FUELS INC
Address:	2435 SHELTER ISLAND DR
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2019
County Code:	37
Air Basin:	SD
Facility ID:	1516
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.14
Reactive Organic Gases Tons/Yr:	0.14
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

CERS:

Name:	PEARSON MARINE FUELS INC
Address:	2435 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106-3111
Site ID:	486520
CERS ID:	110016766748
CERS Description:	US EPA Air Emission Inventory System (EIS)

Affiliation:

PEARSON MARINE FUELS INC (Continued) **S105034079**

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	SCOTT WELDON SAN DIEGO CNTY LOP
Entity Title:	Not reported
Affiliation Address:	POBOX 129261
Affiliation City:	SANDIEGO
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Property Owner
Entity Name:	PEARSON MRNE FUELS
Entity Title:	Not reported
Affiliation Address:	2435 SHELTER ISLAND DR
Affiliation City:	SANDIEGO
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	UST PO Name
Entity Name:	Theodore Griffith
Entity Title:	Not reported
Affiliation Address:	2435 SHELTER ISLAND DR
Affiliation City:	SANDIEGO
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	DON SANSOME
Entity Title:	Not reported
Affiliation Address:	2435 SHELTER ISLAND DRIVE
Affiliation City:	SANDIEGO
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

R76	**KETTENBURG MARINE**	**RCRA-SQG**	**1000400373**
WSW	**2810 CARLETON STREET**	**ENVIROSTOR**	**CAD057788911**
1/4-1/2	**SAN DIEGO, CA 92106**	**LUST**	
0.318 mi.		**CPS-SLIC**	
1680 ft.	**Site 1 of 2 in cluster R**	**San Diego Co. HMMD**	
Relative: Higher		**SWEEPS UST**	
		FINDS	
Actual: 12 ft.		**ECHO**	
		EMI	
		HIST CORTESE	
		SAN DIEGO CO LOP	
		CERS	
		HWTS	

RCRA-SQG:

Date Form Received by Agency:	19860514
Handler Name:	KETTENBURG MARINE

KETTENBURG MARINE (Continued) **1000400373**

Handler Address:	2810 CARLETON ST
Handler City,State,Zip:	SAN DIEGO, CA 92106
EPA ID:	CAD057788911
Contact Name:	ENVIRONMENTAL MANAGER
Contact Address:	2810 CARLETON ST
Contact City,State,Zip:	SAN DIEGO, CA 92106
Contact Telephone:	619-224-8211
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Other
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	4
Mailing Address:	2810 CARLETON ST
Mailing City,State,Zip:	SAN DIEGO, CA 92106
Owner Name:	WHITTAKER CORPORATION
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No

KETTENBURG MARINE (Continued) **1000400373**

Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	WHITTAKER CORPORATION
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19860514
Handler Name:	KETTENBURG MARINE
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No

KETTENBURG MARINE (Continued) **1000400373**

Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	336612
NAICS Description:	BOAT BUILDING

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

ENVIROSTOR:

Name:	2810 CARLETON STREET
Address:	2810 CARLETON STREET
City,State,Zip:	SAN DIEGO, CA 92106
Facility ID:	37000020
Status:	Refer: 1248 Local Agency
Status Date:	02/23/2004
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0.1
NPL:	NO
Regulatory Agencies:	SAN DIEGO COUNTY
Lead Agency:	SAN DIEGO COUNTY
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	78
Senate:	39
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	32.72244
Longitude:	-117.2285
APN:	5313530200
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	5313530200
Alias Type:	APN
Alias Name:	110002651434
Alias Type:	EPA (FRS #)
Alias Name:	37000020
Alias Type:	Envirostor ID Number

KETTENBURG MARINE (Continued) **1000400373**

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST:
Name: FRMR. DRISCOLL WEST/KETTENBURG BOAT
Address: 2810 CARLETON ST
City,State,Zip: SAN DIEGO, CA 921062712
Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300522
Global Id: T0607300522
Latitude: 32.7223323323867
Longitude: -117.228707671165
Status: Completed - Case Closed
Status Date: 12/03/1998
Case Worker: Not reported
RB Case Number: 9UT1724
Local Agency: Not reported
File Location: Local Agency
Local Case Number: H09675-001
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0607300522
Action Type: Other
Date: 05/25/1990
Action: Leak Reported

Global Id: T0607300522
Action Type: Other
Date: 05/25/1990
Action: Leak Began

Global Id: T0607300522
Action Type: ENFORCEMENT
Date: 06/20/1990
Action: Notice of Responsibility

Global Id: T0607300522
Action Type: Other
Date: 05/25/1990

KETTENBURG MARINE (Continued) **1000400373**

Action: Leak Stopped

Global Id: T0607300522
Action Type: ENFORCEMENT
Date: 12/03/1998
Action: Closure/No Further Action Letter

Global Id: T0607300522
Action Type: ENFORCEMENT
Date: 12/01/1998
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0607300522
Action Type: Other
Date: 05/25/1990
Action: Leak Discovery

LUST:
Global Id: T0607300522
Status: Open - Case Begin Date
Status Date: 05/25/1990

Global Id: T0607300522
Status: Completed - Case Closed
Status Date: 12/03/1998

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT1724
Local Case: H09675-001
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 05/25/1990
Date Stopped: 05/25/1990
Confirm Date: 05/25/1990
Submit Workplan: Not reported
Prelim Assess: 08/02/1993
Desc Pollution: 8/8/94
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 05/25/1990
Enforce Date: Not reported
Closed Date: 12/3/98
Enforce Type: Not reported
Pilot Program: LOP

KETTENBURG MARINE (Continued) **1000400373**

Basin Number:	908.10
GW Depth:	2.71
Beneficial Use:	No Beneficial groundwater use
NPDES Number:	Not reported
Priority:	2B
File Dispn:	File discarded, case closed
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

CPS-SLIC:

Name:	COMMERCIAL BASIN (AMERICA'S CUP HARBOR) - FORMER DRISCOLL WEST/KETTENBURG BOAT - BOATYARD SEDIMENT CLEANUP
Address:	2810 CARLETON STREET
City,State,Zip:	SAN DIEGO, CA 92106
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	12/01/1999
Global Id:	T10000003049
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number:	H09675-002
Latitude:	32.721406113824
Longitude:	-117.227432906572
Case Type:	Cleanup Program Site
Case Worker:	DTB
Local Agency:	Not reported
RB Case Number:	9 000000695
File Location:	Regional Board
Potential Media Affected:	Sediments
Potential Contaminants of Concern:	Copper, Other Metal
Site History:	DEH referred this case (H09675-002) to RWQCB Region 9 on June 23, 1989. The RWQCB handled the case under Cleanup and Abatement Order 88-78. The cleanup was related to elevated copper concentrations. The case was closed in 1999.

Click here to access the California GeoTracker records for this facility:

Name:	FRMR. DRISCOLL WEST/KETTENBURG BOAT
Address:	2810 CARLETON ST
City,State,Zip:	SAN DIEGO, CA 921062712
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	02/05/2014
Global Id:	T06019764082
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H09675-003
Latitude:	32.72248
Longitude:	-117.228614
Case Type:	Cleanup Program Site
Case Worker:	KK
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Polychlorinated biphenyls (PCBs), Arsenic, Chromium, Copper, Lead, Mercury (elemental), Nickel, Silver, Zinc, Diesel, Gasoline
Site History:	The site property consists of 1.65 acres situated approximately 100

KETTENBURG MARINE (Continued) **1000400373**

feet west of San Diego Bay and bounded by residences to the south across Carleton Street, and commercial properties to the west and north across Scott Street and Dickens Street, respectively. The site was purchased by Colrich California, LLC for development as mixed use commercial and residential space with a partial subgrade parking garage located up to 7 feet below surrounding grade. The site had historically been used for a number of commercial and industrial uses, primarily associated with the storage, maintenance, and repair of boats. In March 1988, the Regional Water Quality Control Board issued a Cleanup and Abatement Order (88-78) for the site (later identified as Department of Environmental Health-DEH case H09675-002) due to copper impact to bay sediments. In 1998, following sampling activities, impacted sediments were excavated from the site and the case was subsequently closed in 1999. In May 1990, a 1,000 gallon gasoline underground storage tank (UST) was removed from the site under the direction of DEH. DEH subsequently opened unauthorized release case H09675-001 based on soil samples collected at the time of UST removal. Monitoring wells and borings installed at the site suggested that gasoline impacts were primarily localized to the UST area. While some limited excavation (reportedly 175 cubic yards) of hydrocarbon-impacted soil was conducted at the site in the vicinity of the UST, a significant volume of hydrocarbon-impacted soil remained in place following case closure. DEH closed case H09675-001 on December 3, 1998. In February 2004, a Voluntary Assistance Program (VAP) application was submitted to DEH requesting oversight for the redevelopment of the property. Limited assessment and excavation activities were conducted including the excavation and disposal of approximately 273 cubic yards of hydrocarbon-impacted soil in the vicinity of the former UST excavation before the City of San Diego halted excavation activities due to lack of a grading permit. Further assessment and remediation activities did not commence until 2012 following a change in ownership to the current property owner. In 2012 and 2013, additional site assessment was conducted by the new property owner which included soil sampling activities at numerous locations with borings, trenches, and the installation of three groundwater monitoring wells to evaluate groundwater conditions at the site. Soil sampling and analysis conducted at the site identified several constituents of concern (COCs), including petroleum hydrocarbons, metals, VOCs, SVOCs, and PCBs. Petroleum hydrocarbon-impacted soil was primarily limited to the former UST cavity and vicinity, and contained total petroleum hydrocarbons as gasoline (TPHg), benzene, and ethylbenzene at maximum concentrations of 2,800, 43, and 130 milligrams per kilogram (mg/kg), respectively. The other constituents of concern (metals, SVOCs, and PCBs) were spread over the majority of the site and were primarily located between the surface and four feet below grade with a few pockets extending down to a maximum depth of approximately 13 feet below grade. The majority of near-surface impacts were related to three primary metals (arsenic, lead, and mercury), detected as high as 79.8, 4,280, and 15.3 mg/kg, respectively. Three groundwater monitoring wells were installed in the vicinity of the former UST cavity at the site in 2013 to evaluate the extent and magnitude of dissolved-phase hydrocarbon-impacted groundwater. The monitoring wells were installed and sampled prior to the excavation of hydrocarbon-impacted soil. Following the excavation of hydrocarbon-impacted soil, groundwater samples were collected again to evaluate residual hydrocarbon impacts to groundwater for use in

KETTENBURG MARINE (Continued) **1000400373**

subsequent vapor risk analysis. Depth to groundwater in the aforementioned monitoring wells ranged from approximately 5 to 7 feet below grade (fbg).Historically, dissolved-phase TPHg, benzene, and ethylbenzene were detected at maximum concentrations of 60,000, 5,400, and 2,400 micrograms per liter, respectively. The consultant established cleanup goals based on risk for VOCs which could potentially pose a vapor intrusion risk to occupants of the proposed onsite structure. Cleanup goals for the other COCs were based on a combination of published background levels, United States Environmental Protection Agency, Regional Screening Levels (RSLs), or a portion of the RSL as deemed appropriate. The excavation of hydrocarbon-impacted soil occurred in the southwestern portion of the property adjacent to Carleton Street in the vicinity of the former UST. Excavation activities extended down to a maximum depth of approximately 14.5 fbg and removed 4,597 tons (approximately 3,065 cubic yards) of hydrocarbon-impacted soil, which was disposed at Azusa Land Reclamation. Confirmation samples for hydrocarbon-impacted soil were collected on a ten-foot grid for the bottom of the excavation and every ten horizontal feet and 5 vertical feet for sidewalls. Confirmation samples indicated that all hydrocarbon-impacted soil above the cleanup goals was excavated from the site. The highest remaining concentrations of TPHg, benzene, and ethylbenzene in soil were 1,900, 2.4, and 27 mg/kg, respectively. Following excavation activities, the highest remaining concentration of dissolved-phase TPHg, benzene, and ethylbenzene were 280, 26, and 9.6 micrograms per liter, respectively. The consultant estimated that approximately 96.3 cubic yards of hydrocarbon-impacted soil remains at the site beneath Carleton Street and the sidewalk adjacent to the site. Excavation of other COCs (metals, SVOCs, and PCBs) were conducted across the majority of the site. A total of 6,059 tons (approximately 4,039 cubic yards) of impacted soil was excavated and ultimately disposed at Azusa Land Reclamation. Of that amount, 3,668 tons (approximately 2,445 cubic yards) of impacted soil was treated by stabilization onsite with a mobile treatment system before being transported to Azusa Land Reclamation for disposal due to its leaching potential. Confirmation samples for the other COCs (metals, SVOCs, and PCBs) were generally collected on a forty foot grid across the site. Excavation primarily occurred at depths less than 4 fbg and focused on metals, SVOCs, and PCBs, with five exceptions where discoloration, odors, or debris pits were observed, the deepest which extended down to 13 fbg. Additional sampling and analysis for hydrocarbons, SVOCs, and metals was conducted for these areas beyond the proposed forty foot grid confirmation samples, including sidewall samples, as appropriate to verify the removal of observed impacts. None of the confirmation samples exhibited concentrations which exceeded the established cleanup goals for the site with the exception of one soil sample which exhibited a lead concentration of 40.5 mg/kg, slightly over the established cleanup of goal of 40 mg/kg. The consultant deemed this exceedance insignificant and concluded that additional excavation in this grid was not warranted. Following excavation activities, the consultant conducted a cumulative soil vapor risk evaluation utilizing soil and groundwater analytical data for petroleum hydrocarbons remaining onsite. Based on the highest remaining concentrations of benzene and ethylbenzene in soil and groundwater, the only detected carcinogenic compounds remaining at the site, the resulting vapor risk evaluation indicated a cumulative human health risk of 2.8x10-8, less than the DEH

KETTENBURG MARINE (Continued) **1000400373**

threshold of one in a million (1.0x10-6). Based on this evaluation, the consultant concluded that the potential for human health risk associated with VOCs at the site is low. Based on the results of the vapor risk evaluation for the site, and the other aforementioned considerations, the consultant concluded that in the sites current condition, the proposed mixed use commercial and residential space with a partial subgrade parking garage is protective of human health and the environment. It is the consultants opinion that no further action is necessary at the site. Based on the provided data, DEH agrees with this conclusion.

Click here to access the California GeoTracker records for this facility:

HMMD SAN DIEGO:

Name:	DRISCOLL WEST
Address:	2810 CARLETON ST
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	109675
Business Type:	6HK33
EPA Id Number:	CAL000181189
APN:	531-353-02-00
Last HMMD Inspection:	05/15/2008
Facility Telephone:	619-226-2500
Permit Status:	INAC
Permit Expiration:	03/31/2009
Date Last Updated:	11/02/2012
Facility Owner:	DRISCOLL INC
Facility Mailing Address:	2500 SHELTER ISLAND DR
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92106-
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Y
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Permit Number:	109675
Update Date:	11/02/2012
Inspection Date:	05/30/2003
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	Inactive Permit

Permit Number:	109675
Update Date:	11/02/2012
Inspection Date:	01/31/2005
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)

KETTENBURG MARINE (Continued) **1000400373**

Activity:	Inactive Permit

UST:

UST Name:	UNDERGROUND TANK 109675 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	109675
Tank Type:	UNKNOWN
Additional Id:	AT1950
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1990-05-25 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Name:	DRISCOLL WEST
Address:	2810 CARLETON ST
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	109675
Business Type:	6HK33
EPA Id Number:	CAL000181189
APN:	531-353-02-00
Last HMMD Inspection:	05/15/2008
Facility Telephone:	619-226-2500
Permit Status:	INAC
Permit Expiration:	03/31/2009
Date Last Updated:	11/02/2012
Facility Owner:	DRISCOLL INC
Facility Mailing Address:	2500 SHELTER ISLAND DR
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92106-
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Y
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Permit Number:	109675
Update Date:	11/02/2012
Inspection Date:	05/30/2003
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	Inactive Permit

KETTENBURG MARINE (Continued) **1000400373**

Permit Number:	109675
Update Date:	11/02/2012
Inspection Date:	01/31/2005
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	Inactive Permit

UST:

UST Name:	UNDERGROUND TANK 109675 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	109675
Tank Type:	UNKNOWN
Additional Id:	AT1950
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1990-05-25 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Name:	VALLEY POWER SYSTEMS INC
Address:	2810 CARLETON ST
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	206078
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	531-353-02-00
Last HMMD Inspection:	06/12/2007
Facility Telephone:	619-758-7728
Permit Status:	INAC
Permit Expiration:	04/30/2007
Date Last Updated:	11/02/2012
Facility Owner:	VALLEY POWER SYSTEMS, INC
Facility Mailing Address:	2810 CARLETON ST
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92106
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

SWEEPS UST:

Name:	KETTENBURG MARINE CORPORATION
Address:	2810 CARLETON ST

KETTENBURG MARINE (Continued) **1000400373**

City: SAN DIEGO
Status: Not reported
Comp Number: 9675
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-009675-000001
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 1

Name: KETTENBURG MARINE CORPORATION
Address: 2810 CARLETON ST
City: SAN DIEGO
Status: Active
Comp Number: 9675
Number: 9
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

FINDS:
Registry ID: 110002651434

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000400373
Registry ID: 110002651434
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002651434

KETTENBURG MARINE (Continued) **1000400373**

Name: KETTENBURG MARINE
Address: 2810 CARLETON STREET
City,State,Zip: SAN DIEGO, CA 92106

EMI:
Name: DRISSCOLL BOAT WORKS
Address: 2810 CARLETON ST
City,State,Zip: SAN DIEGO, CA 92016
Year: 2000
County Code: 37
Air Basin: SD
Facility ID: 4026
Air District Name: SD
SIC Code: 3732
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: DRISSCOLL BOAT WORKS
Address: 2810 CARLETON ST
City,State,Zip: SAN DIEGO, CA 92016
Year: 2001
County Code: 37
Air Basin: SD
Facility ID: 4026
Air District Name: SD
SIC Code: 3732
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: DRISSCOLL BOAT WORKS
Address: 2810 CARLETON ST
City,State,Zip: SAN DIEGO, CA 92016
Year: 2002
County Code: 37
Air Basin: SD
Facility ID: 4026
Air District Name: SD
SIC Code: 3732
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported

KETTENBURG MARINE (Continued) **1000400373**

Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	DRISSCOLL BOAT WORKS
Address:	2810 CARLETON ST
City,State,Zip:	SAN DIEGO, CA 92016
Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	4026
Air District Name:	SD
SIC Code:	3732
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	DRISSCOLL BOAT WORKS
Address:	2810 CARLETON ST
City,State,Zip:	SAN DIEGO, CA 92016
Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	4026
Air District Name:	SD
SIC Code:	3732
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.914699
Reactive Organic Gases Tons/Yr:	1.525987
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	DRISCOLL BOAT WORKS
Address:	2810 CARLETON ST
City,State,Zip:	SAN DIEGO, CA 92016
Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	4026
Air District Name:	SD
SIC Code:	3732

KETTENBURG MARINE (Continued) **1000400373**

Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.206552
Reactive Organic Gases Tons/Yr:	1.496552
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	DRISCOLL BOAT WORKS
Address:	2810 CARLETON ST
City,State,Zip:	SAN DIEGO, CA 92016
Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	4026
Air District Name:	SD
SIC Code:	3732
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.20655
Reactive Organic Gases Tons/Yr:	1.49655
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HIST CORTESE:

edr_fname:	DRISCOLL BOATWORKS WEST
edr_fadd1:	2810 CARLETON
City,State,Zip:	SAN DIEGO, CA 92016
Region:	CORTESE
Facility County Code:	37
Reg By:	WBC&D
Reg Id:	9 000000104

edr_fname:	KETTENBURG MARINE
edr_fadd1:	2810 CARLETON
City,State,Zip:	SAN DIEGO, CA 92016
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1724

SAN DIEGO CO LOP:

Name:	FRMR. DRISCOLL WEST/KETTENBURG BOAT
Address:	2810 CARLETON ST
City,State,Zip:	SAN DIEGO, CA 92106
Record ID:	DEH1990-LSAM-H09675-001
Record Status:	Completed
Opened Date:	05/25/1990
Parcel Number:	531-353-02-00

KETTENBURG MARINE (Continued) **1000400373**

Case Type:	LOP - Local Oversight Program
Historical Name:	KETTENBERG MARINE
SWRCB Global ID:	T0607300522
Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	05/25/1990
Census Tract:	214.00
Community:	San Diego
Jurisdiction:	SAN DIEGO
Watershed Basin Number:	908.1
Water Purveyor:	SAN DIEGO
Fire Agency:	SAN DIEGO
Latitude:	32.7224432
Longitude:	-117.2285424
X MapCoord:	6260684.331
Y MapCoord:	1844064.704

CERS:

Name:	COMMERCIAL BASIN (AMERICA'S CUP HARBOR) - FORMER DRISCOLL WEST/KETTENBURG BOAT -
Address:	2810 CARLETON STREET
City,State,Zip:	SAN DIEGO, CA 92106
Site ID:	241665
CERS ID:	T10000003049
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	DAVID T. BARKER - SAN DIEGO RWQCB (REGION 9)
Entity Title:	Not reported
Affiliation Address:	2375 NORTHSIDE DRIVE, SUITE 100
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6195213007,

Name:	DRISCOLL BOAT WORKS
Address:	2810 CARLETON ST
City,State,Zip:	SAN DIEGO, CA 92106
Site ID:	465155
CERS ID:	110021283109
CERS Description:	US EPA Air Emission Inventory System (EIS)

Name:	FRMR. DRISCOLL WEST/KETTENBURG BOAT
Address:	2810 CARLETON ST
City,State,Zip:	SAN DIEGO, CA 921062712
Site ID:	200981
CERS ID:	T06019764082
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	KEITH KEZER - SAN DIEGO COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	San Diego

KETTENBURG MARINE (Continued) **1000400373**

Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: FRMR. DRISCOLL WEST/KETTENBURG BOAT
Address: 2810 CARLETON ST
City,State,Zip: SAN DIEGO, CA 921062712
Site ID: 200981
CERS ID: T0607300522
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: KEITH KEZER - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

HWTS:
Name: VALLEY POWER SYSTEMS INC
Address: 2810 CARLETON ST
Address 2: Not reported
City,State,Zip: SAN DIEGO, CA 92106
EPA ID: CAL000302791
Inactive Date: 06/30/2006
Create Date: 01/31/2006
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 5725 EASTGATE DR
Mailing Address 2: Not reported
Mailing City,State,Zip: SAN DIEGO, CA 921210000
Owner Name: CLARK LEE
Owner Address: 425 S HACIENDA BLVD
Owner Address 2: Not reported
Owner City,State,Zip: CITY OF INDUSTRY, CA 917451123
Contact Name: ERNIE BUCK
Contact Address: 2810 CARLETON ST
Contact Address 2: Not reported
City,State,Zip: SAN DIEGO, CA 921062792
Facility Status: Inactive
Facility Type: PERMANENT
Category: STATE
Latitude: 32.722036
Longitude: -117.228527

NAICS:
EPA ID: CAL000302791
Create Date: 2006-01-31 11:32:08.593
NAICS Code: 42183
NAICS Description: Industrial Machinery and Equipment Wholesalers
Issued EPA ID Date: 2006-01-31 11:32:08.39000

KETTENBURG MARINE (Continued) **1000400373**

Inactive Date:	2006-06-30 14:21:36.99700
Facility Name:	VALLEY POWER SYSTEMS INC
Facility Address:	2810 CARLETON ST
Facility Address 2:	Not reported
Facility City:	SAN DIEGO
Facility County:	Not reported
Facility State:	CA
Facility Zip:	921062792

R77
WSW
1/4-1/2
0.318 mi.
1680 ft.

FRMR. DRISCOLL WEST/KETTENBURG BOAT
2810 CARLETON ST
SAN DIEGO, CA 92106

Site 2 of 2 in cluster R

SAN DIEGO CO. SAM **S108407059**
Cortese **N/A**

Relative:
Higher

Actual:
12 ft.

SAN DIEGO CO. SAM:

Name:	FRMR. DRISCOLL WEST/KETTENBURG BOAT
Address:	2810 CARLETON ST
City,State,Zip:	SAN DIEGO, CA 921062712
Case Number:	H09675-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	GW With No Beneficial Use Designation
Facility Status:	Closed Case
Date:	12/3/1998
Date Began:	5/25/1990

Name:	FRMR. DRISCOLL WEST/KETTENBURG BOAT
Address:	2810 CARLETON ST
City,State,Zip:	SAN DIEGO, CA 921062712
Case Number:	H09675-002
Agency:	CA Regional Water Quality Control Board
Funding:	**Non Billable**
Facility Type:	Soils Only
Facility Status:	Preliminary Assessment
Date:	6/23/1989
Date Began:	9/24/1979

Name:	FRMR. DRISCOLL WEST/KETTENBURG BOAT
Address:	2810 CARLETON ST
City,State,Zip:	SAN DIEGO, CA 921062712
Case Number:	H09675-003
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Preliminary Assessment
Date:	2/17/2004
Date Began:	5/25/1990

CORTESE:

Name:	FRMR. DRISCOLL WEST/KETTENBURG BOAT
Address:	2810 CARLETON ST
City,State,Zip:	SAN DIEGO, CA 921062712
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607300522

FRMR. DRISCOLL WEST/KETTENBURG BOAT (Continued) **S108407059**

Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

O78
NW
1/4-1/2
0.322 mi.
1700 ft.

U S NAVY NAVAL TRAINING CENTER BRAC
NIMITZ AND ROSECRANS ST
SAN DIEGO, CA 92106

SEMS **1015730577**
FINDS **CA2170023202**
ECHO

Site 2 of 3 in cluster O

Relative:
Higher

Actual:
17 ft.

SEMS:

Site ID:	0902730
EPA ID:	CA2170023202
Name:	SAN DIEGO NAVAL TRAINING CENTER
Address:	NAVAL TRAINING CENTER
Address 2:	Not reported
City,State,Zip:	SAN DIEGO, CA 92133
Cong District:	44
FIPS Code:	06073
Latitude:	Not reported
Longitude:	Not reported
FF:	Y
NPL:	Not on the NPL
Non NPL Status:	Fed Fac Preliminary Assessment Review Start Needed

SEMS Detail:

Region:	09
Site ID:	0902730
EPA ID:	CA2170023202
Site Name:	SAN DIEGO NAVAL TRAINING CENTER
NPL:	N
FF:	Y
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1991-11-12 05:00:00
Qual:	H
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902730

U S NAVY NAVAL TRAINING CENTER BRAC (Continued) **1015730577**

EPA ID:	CA2170023202
Site Name:	SAN DIEGO NAVAL TRAINING CENTER
NPL:	N
FF:	Y
OU:	01
Action Code:	EE
Action Name:	EE/CA
SEQ:	1
Start Date:	1998-01-17 05:00:00
Finish Date:	2000-01-12 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902730
EPA ID:	CA2170023202
Site Name:	SAN DIEGO NAVAL TRAINING CENTER
NPL:	N
FF:	Y
OU:	01
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	2
Start Date:	2000-09-07 04:00:00
Finish Date:	2002-04-11 04:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902730
EPA ID:	CA2170023202
Site Name:	SAN DIEGO NAVAL TRAINING CENTER
NPL:	N
FF:	Y
OU:	02
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	3
Start Date:	1998-04-03 05:00:00
Finish Date:	2002-04-11 04:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902730
EPA ID:	CA2170023202
Site Name:	SAN DIEGO NAVAL TRAINING CENTER
NPL:	N
FF:	Y
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1986-11-01 05:00:00
Finish Date:	1986-11-01 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac

U S NAVY NAVAL TRAINING CENTER BRAC (Continued) **1015730577**

FINDS:

Registry ID: 110064126798

Click Here:

Environmental Interest/Information System:

REMEDIATION AND REDEVELOPMENT PROGRAMS: SUPERFUND NPL
US Base Realignment and Closure (BRAC) is a process used to close excess military installations and realign the total asset inventory in order to save money on operations and maintenance.
SUPERFUND NPL
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
HAZARDOUS WASTE BIENNIAL REPORTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1015730577
Registry ID:	110064126798
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110064126798
Name:	U S NAVY NAVAL TRAINING CENTER BRAC
Address:	NIMITZ AND ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106

79	**DRISCOLL’S WEST BOAT REPAIR**	**CPS-SLIC**	**S104581150**
WSW	**2700 SHELTER ISLAND DRIVE**	**NPDES**	**N/A**
1/4-1/2	**SAN DIEGO, CA 92106**		
0.326 mi.			
1719 ft.			

Relative: Higher

Actual: 10 ft.

CPS-SLIC:

Name:	DRISCOLL’S WEST BOAT REPAIR
Address:	2700 SHELTER ISLAND DRIVE
City,State,Zip:	SAN DIEGO, CA 92106
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	09/30/2010
Global Id:	T10000000364
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number:	Not reported
Latitude:	32.7218223522468
Longitude:	-117.227903008461
Case Type:	Cleanup Program Site
Case Worker:	CK
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Regional Board
Potential Media Affected:	Other Groundwater (uses other than drinking water), Soil, Surface water
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

DRISCOLL'S WEST BOAT REPAIR (Continued) **S104581150**

Click here to access the California GeoTracker records for this facility:

NPDES:

Name:	DISCOLL KETTENBURG BOATYARD RENOVATION
Address:	2700 SHELTER ISLAND DRIVE SAN DIEGO
City,State,Zip:	SAN DIEGO, CA 92106
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	9 37C346760
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	11/20/2017
Operator Name:	San Diego Unified Port District
Operator Address:	3165 Pacific Highway
Operator City:	San Diego
Operator State:	California
Operator Zip:	92101

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	9
Regulatory Measure ID:	323808
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	9 37C346760
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/25/2007
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	10/18/2017
Discharge Name:	San Diego Unified Port District
Discharge Address:	3165 Pacific Highway
Discharge City:	San Diego
Discharge State:	California
Discharge Zip:	92101
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported

DRISCOLL'S WEST BOAT REPAIR (Continued) **S104581150**

Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported

DRISCOLL'S WEST BOAT REPAIR (Continued) **S104581150**

Region:	9
Regulatory Measure ID:	323808
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	9 37C346760
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/25/2007
Status:	Active
Status Date:	04/25/2007
Place Size:	2.4
Place Size Unit:	Acres
Contact:	Mike Benedict
Contact Title:	Not reported
Contact Phone:	619-226-2500
Contact Phone Ext:	Not reported
Contact Email:	Mike@driscollinc.com
Operator Name:	San Diego Unified Port District
Operator Address:	3165 Pacific Highway
Operator City:	San Diego
Operator State:	California
Operator Zip:	92101
Operator Contact:	Kelly Falk
Operator Contact Title:	Architectural Planning
Operator Contact Phone:	619-686-6455
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Special District
Developer:	Driscoll Boat Works
Developer Address:	2500 Shelter Island Dr
Developer City:	San Diego
Developer State:	California
Developer Zip:	92106
Developer Contact:	Chuck Driscoll
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	N
Emergency Phone:	619-226-2500
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Y
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Y
Constype Other Description:	Not reported

DRISCOLL'S WEST BOAT REPAIR (Continued) **S104581150**

Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Diego Bay
Certifier:	Randa Coniglio
Certifier Title:	Not reported
Certification Date:	28-AUG-13
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

O80	**CHEVRON SERVICE STATION**	**LUST**	**S102427543**
NNW	**1704 ROSECRANS ST**	**SAN DIEGO CO. SAM**	**N/A**
1/4-1/2	**SAN DIEGO, CA 92106**	**San Diego Co. HMMD**	
0.344 mi.		**CERS HAZ WASTE**	
1815 ft.	**Site 3 of 3 in cluster O**	**SWEEPS UST**	
Relative: Higher		**CERS TANKS**	
		Cortese	
Actual: 20 ft.		**EMI**	
		HAZNET	
		HIST CORTESE	
		SAN DIEGO CO LOP	
		CERS	
		HWTS	

LUST:

Name:	CHEVRON #95237
Address:	1704 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921061928
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607303143
Global Id:	T0607303143
Latitude:	32.7287812985956
Longitude:	-117.225869894028
Status:	Completed - Case Closed
Status Date:	04/07/2011
Case Worker:	KH
RB Case Number:	9UT90
Local Agency:	SAN DIEGO COUNTY LOP
File Location:	Local Agency
Local Case Number:	H13227-001
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	In June 1982, Chevron had a gasoline release from their underground storage tank (UST) system. This release was reported to San Diego Fire Department at the time. In January 1985, three gasoline USTs and one waste oil tank were removed under inspection by DEH and the San Diego Fire Department. One additional UST was discovered at the time of site redevelopment and was removed in March 2002. DEH became involved with this case in January 1985 due to proposed development on the adjacent property. At that time, DEH became the lead

CHEVRON SERVICE STATION (Continued) **S102427543**

regulatory agency over the case. In 1982, when they discovered the release, Chevron proceeded to install a total of 18 monitoring wells and four recovery wells. Records regarding Chevrons activities are limited and incomplete from 1982 through 1986. In general, in 1982, there was as much as 3 feet of product reported in a number of monitoring wells on the site. Prior to completing the investigation on the soil and groundwater impacts, Chevron proceeded to implement free product recovery in January 1985. By January 1986, the product thickness had been reduced to 0.2 feet in six of the wells on the property. In March 1987, Chevron installed a groundwater recovery system that operated through October 1990. The system was modified in September 1988 to include soil vapor extraction which also operated through October 1990. Between the free product recovery activities, the groundwater recovery system and the vapor extraction system, an estimated 1,482 gallons of gasoline was recovered and treated. Site investigation under the oversight of DEH took place from 1985 through 1999 with groundwater monitoring at this site conducted between 1985 and 2004. The site investigation included the installation of 22-monitoring wells, 4-groundwater recovery wells, 7-vapor extraction wells, 4-multilevel vapor probes and 46-soil borings on and off-site. Free product was identified primarily on-site and extending off-site to the southwest. Groundwater flow has varied from southwest to south. On the southwestern side of Nimitz Boulevard, monitoring wells near the intersection of Rosecrans Street and Nimitz Boulevard had product sheen from 1998 through the beginning of 2002. Evidence of free product on-site and off-site was last observed in early 2002. The dissolved groundwater impacts were identified to extend to the south and southwest approximately 150 to 200 feet into the intersection of Rosecrans Street and Nimitz Boulevard. There remains an estimated 2,947 cubic yards of impacted soil associated with this release. The residual soil impacts are located beneath the former UST excavation, beneath the former dispenser islands and a three foot thick zone at the capillary fringe. The residual soil impacts do not pose a health risk for the occupants of the property that is being used as retail market and gasoline station with slab-on-grade construction. In April 2005, Chevron was directed to proceed with the destruction of the various remaining monitoring wells prior to site closure. All the remaining wells were destroyed in June of 2005 with the exception of wells B-1 and B-2. The surface expressions of the wells were removed and the wells were lost during site redevelopment activities in 2002. Due to access issues the status of these two wells was not addressed to the satisfaction of DEH until February 2011. Based on the site investigation and the remedial activities completed the dissolved plume is stable in aerial extent and the concentrations are deceasing over time due to natural attenuation. DEH concurs with the request for no further action being required at this site related to the 1982 release.

LUST:

Global Id:	T0607303143
Contact Type:	Local Agency Caseworker
Contact Name:	KEVIN HEATON
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	kevin.heaton@sdcounty.ca.gov
Phone Number:	Not reported

CHEVRON SERVICE STATION (Continued) **S102427543**

LUST:

Global Id:	T0607303143
Action Type:	ENFORCEMENT
Date:	04/07/2011
Action:	Closure/No Further Action Letter
Global Id:	T0607303143
Action Type:	Other
Date:	01/11/1985
Action:	Leak Began
Global Id:	T0607303143
Action Type:	Other
Date:	01/11/1985
Action:	Leak Reported
Global Id:	T0607303143
Action Type:	REMEDIATION
Date:	09/15/1988
Action:	Soil Vapor Extraction (SVE)
Global Id:	T0607303143
Action Type:	REMEDIATION
Date:	05/01/1982
Action:	Free Product Removal
Global Id:	T0607303143
Action Type:	REMEDIATION
Date:	03/12/1987
Action:	Pump & Treat (P&T) Groundwater
Global Id:	T0607303143
Action Type:	ENFORCEMENT
Date:	01/18/1989
Action:	Notice of Responsibility
Global Id:	T0607303143
Action Type:	RESPONSE
Date:	03/11/2011
Action:	Other Report / Document - Regulator Responded
Global Id:	T0607303143
Action Type:	ENFORCEMENT
Date:	07/08/2009
Action:	Letter - Notice
Global Id:	T0607303143
Action Type:	Other
Date:	01/11/1985
Action:	Leak Stopped
Global Id:	T0607303143
Action Type:	Other
Date:	01/11/1985
Action:	Leak Discovery

CHEVRON SERVICE STATION (Continued) **S102427543**

LUST:

Global Id:	T0607303143
Status:	Open - Case Begin Date
Status Date:	01/11/1985
Global Id:	T0607303143
Status:	Open - Remediation
Status Date:	12/07/1999
Global Id:	T0607303143
Status:	Open - Verification Monitoring
Status Date:	02/12/2002
Global Id:	T0607303143
Status:	Completed - Case Closed
Status Date:	04/07/2011

LUST REG 9:

Region:	9
Status:	Post remedial action monitoring
Case Number:	9UT90
Local Case:	H13227-001
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	VSFPED
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Unknown
Cause:	Corrosion
Lead Agency:	Local Agency
Case Type:	Other ground water affected
Date Found:	01/11/1985
Date Stopped:	01/11/1985
Confirm Date:	01/11/1985
Submit Workplan:	Not reported
Prelim Assess:	01/14/1985
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	1/15/86
Began Monitor:	8/15/94
Release Date:	01/14/1985
Enforce Date:	Not reported
Closed Date:	Not reported
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	908.10
GW Depth:	13
Beneficial Use:	No Beneficial groundwater use
NPDES Number:	Not reported
Priority:	2B
File Dispn:	File discarded, case closed
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

CHEVRON SERVICE STATION (Continued) **S102427543**

SAN DIEGO CO. SAM:

Name:	CHEVRON #95237
Address:	1704 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921061928
Case Number:	H13227-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	GW With No Beneficial Use Designation
Facility Status:	Remedial Action (Clean-Up)
Date:	3/30/2000
Date Began:	1/11/1985

HMMD SAN DIEGO:

Name:	THURSTON MINI MART (DBA 76)
Address:	1704 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	201180
Business Type:	6HK28
EPA Id Number:	CAL000256124
APN:	530-373-05-00
Last HMMD Inspection:	05/08/2012
Facility Telephone:	619-223-9014
Permit Status:	OPEN
Permit Expiration:	07/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	THURSTON MINI MART
Facility Mailing Address:	P.O. BOX 675276
Facility Mailing City:	RANCHO SANTA FE
Facility Mailing State:	CA
Facility Mailing Zip:	92067
UST Owner:	EDWIN THURSTON
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	201180
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL
Other Information:	UNDERGROUND TANK 201180 T006
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	201180
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	PREMIUM UNLEADED
Other Information:	UNDERGROUND TANK 201180 T007
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

CHEVRON SERVICE STATION (Continued) **S102427543**

Permit Number: 201180
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 201180 T005
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 201180
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: WATER & FUEL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 201180
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: USED FUEL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 201180
Update Date: 11/02/2012
Inspection Date: 05/29/2008
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 201180
Update Date: 11/02/2012
Inspection Date: 05/18/2011
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 201180
Update Date: 11/02/2012
Inspection Date: 05/11/2004
Violation Code: 6HV3105
Violation: NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation: Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity: ACTIVE

CHEVRON SERVICE STATION (Continued) **S102427543**

Permit Number: 201180
Update Date: 11/02/2012
Inspection Date: 05/03/2005
Violation Code: 6HV3105
Violation: NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation: Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity: ACTIVE

Permit Number: 201180
Update Date: 11/02/2012
Inspection Date: 05/03/2005
Violation Code: 6HV3158
Violation: ALL OPERATING CONDITIONS NOT MET
Violation Citation: All permit operating conditions not met. 25284; 2712
Activity: ACTIVE

Permit Number: 201180
Update Date: 11/02/2012
Inspection Date: 05/03/2005
Violation Code: 6HV3405
Violation: LLD DOESN'T DETECT 3.0 GPH OR EQUIVA
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING: OPTION 3-Line leak detector does not detect 3.0 gph or equivalent? 2636(f)(2)
Activity: ACTIVE

Permit Number: 201180
Update Date: 11/02/2012
Inspection Date: 05/03/2005
Violation Code: 6HV3405
Violation: LLD DOESN'T DETECT 3.0 GPH OR EQUIVA
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING: OPTION 3-Line leak detector does not detect 3.0 gph or equivalent? 2636(f)(2)
Activity: ACTIVE

Permit Number: 201180
Update Date: 11/02/2012
Inspection Date: 05/03/2005
Violation Code: 6HV3405
Violation: LLD DOESN'T DETECT 3.0 GPH OR EQUIVA
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING: OPTION 3-Line leak detector does not detect 3.0 gph or equivalent? 2636(f)(2)
Activity: ACTIVE

Permit Number: 201180
Update Date: 11/02/2012
Inspection Date: 05/26/2009
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity: ACTIVE

Permit Number: 201180
Update Date: 11/02/2012
Inspection Date: 05/26/2009
Violation Code: 6HV3252

CHEVRON SERVICE STATION (Continued) **S102427543**

Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE
Permit Number:	201180
Update Date:	11/02/2012
Inspection Date:	05/26/2009
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE
Permit Number:	201180
Update Date:	11/02/2012
Inspection Date:	05/26/2009
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE

UST:

UST Name:	UNDERGROUND TANK 201180 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	201180
Tank Type:	DOUBLE WALL
Additional Id:	NT2291
Capacity Gallons:	20000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2002-04-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 201180 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	201180
Tank Type:	DOUBLE WALL
Additional Id:	NT2291
Capacity Gallons:	15000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2002-04-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

CHEVRON SERVICE STATION (Continued) **S102427543**

UST Name:	UNDERGROUND TANK 201180 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	201180
Tank Type:	DOUBLE WALL
Additional Id:	NT2291
Capacity Gallons:	15000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	SUPER UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2002-04-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Name:	CHEVRON #95237
Address:	1704 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	113227
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	530-373-05-00
Last HMMD Inspection:	Not reported
Facility Telephone:	619-222-1436
Permit Status:	INAC
Permit Expiration:	Not reported
Date Last Updated:	11/02/2012
Facility Owner:	CHEVRON USA INC
Facility Mailing Address:	1704 ROSECRANS ST
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92106-1928
UST Owner:	CHEVRON USA INC
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 113227 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	113227
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	8000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1965-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90

CHEVRON SERVICE STATION (Continued) **S102427543**

UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 113227 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	113227
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	7000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1965-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 113227 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	113227
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	4000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1965-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 113227 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	113227
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1965-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 201180 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	113227

CHEVRON SERVICE STATION (Continued) **S102427543**

Tank Type:	DOUBLE WALL
Additional Id:	NT2291
Capacity Gallons:	20000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2002-04-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 201180 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	113227
Tank Type:	DOUBLE WALL
Additional Id:	NT2291
Capacity Gallons:	15000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2002-04-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 201180 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	113227
Tank Type:	DOUBLE WALL
Additional Id:	NT2291
Capacity Gallons:	15000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2002-04-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	20
UST Monitor Method:	DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.

UST Name:	UNDERGROUND TANK 113227 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	113227
Tank Type:	Not reported
Additional Id:	AT4754
Capacity Gallons:	75
UST Contents:	Not reported
Other Content Info:	Not reported
Reg Status:	REMOVED

CHEVRON SERVICE STATION (Continued) **S102427543**

Remove Close Date:	Not reported
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	Not reported
UST Monitor Method:	Not reported

Name:	RALPHS FUEL CENTER #212
Address:	1704 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAD983666207
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	619-819-6048
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	05/29/2021
Facility Owner:	Not reported
Facility Mailing Address:	P.O. BOX 54143, LOS ANGELES, CA 90054
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	Y
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201180
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5280822
Return To Compliance Date:	2017-06-30T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	22718
Container/Tank Id:	Not reported
Last Update:	2021-05-29T01:03:37.000
Inspection Date:	2016-03-24T17:44:00.000
Violation Code:	2030026 Failure of line leak detector to detect a leak and/or failure of audible and visual alarm. 23 CCR 2636(f)(2)

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201180
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5613399

CHEVRON SERVICE STATION (Continued) **S102427543**

Return To Compliance Date:	2018-04-23T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-05-29T01:03:37.000
Inspection Date:	2017-03-22T00:00:00.000
Violation Code:	1010008 HMBP not certified annually as complete and accurate in CERS. HSC 25508.2

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201180
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5613399
Return To Compliance Date:	2017-04-26T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-05-29T01:03:37.000
Inspection Date:	2017-03-22T00:00:00.000
Violation Code:	3010002 Failed to obtain and/or maintain an active EPA ID. 22 CCR 66262.12

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201180
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5040949
Return To Compliance Date:	2014-03-26T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	22717
Container/Tank Id:	Not reported
Last Update:	2021-05-29T01:03:37.000
Inspection Date:	2014-03-26T00:00:00.000
Violation Code:	2010010 Failure to prepare, maintain, and submit accurate CUPA UST Operating Permit Application for Facility information and/or Tank information. 23 CCR 16 2711; HSC 6.7 25286(a)

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201180
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5040949
Return To Compliance Date:	2014-03-26T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported

CHEVRON SERVICE STATION (Continued) **S102427543**

Last Update:	2021-05-29T01:03:37.000
Inspection Date:	2014-03-26T00:00:00.000
Violation Code:	1010004 Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site; 19 CCR 4 2729.2(a)(2); HSC 6.95 25504(a).

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201180
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5040949
Return To Compliance Date:	2014-04-03T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	22717
Container/Tank Id:	Not reported
Last Update:	2021-05-29T01:03:37.000
Inspection Date:	2014-03-26T00:00:00.000
Violation Code:	2060009 Failure to obtain permit to install, replace, repair or modify part of the UST system containment or leak detection equipment. 23 CCR 16 2712.

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201180
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5142820
Return To Compliance Date:	2105-03-25T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	22718
Container/Tank Id:	Not reported
Last Update:	2021-05-29T01:03:37.000
Inspection Date:	2015-03-25T00:00:00.000
Violation Code:	2030054 Failure to comply with one or more of the following: maintain the spill bucket in good condition, containment free of debris/liquid, and/or to remove the contents of the spill bucket when a release/leak/spill was observed. 23 CCR 16 2635(b), 2715(c)(2).

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201180
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5142820
Return To Compliance Date:	2015-03-25T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	22717
Container/Tank Id:	Not reported
Last Update:	2021-05-29T01:03:37.000
Inspection Date:	2015-03-25T00:00:00.000

CHEVRON SERVICE STATION (Continued) **S102427543**

Violation Code:	2030025 Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow of product through the piping or trigger an alarm when a release occurs. 23 CCR 16 2636(f)(2).

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201180
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5613399
Return To Compliance Date:	2017-05-23T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	22719
Container/Tank Id:	Not reported
Last Update:	2021-05-29T01:03:37.000
Inspection Date:	2017-03-22T00:00:00.000
Violation Code:	2030025 (RD) Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow or product through the piping or trigger an alarm when a release occurs. 23 CCR 2636(f)(2)

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201180
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6112679
Return To Compliance Date:	2019-05-15T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	22717
Container/Tank Id:	Not reported
Last Update:	2021-05-29T01:03:37.000
Inspection Date:	2019-03-14T00:00:00.000
Violation Code:	2060020 (TCR 9a) Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of 5 gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container, tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. 23 CCR 2635(b), 2637.1(a-c), 2665(a-b), 2712(b)(1)(F); HSC 25284.2

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201180

CHEVRON SERVICE STATION (Continued) **S102427543**

Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5040949
Return To Compliance Date:	2014-03-26T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-05-29T01:03:37.000
Inspection Date:	2014-03-26T00:00:00.000
Violation Code:	1010005 Failure to complete and/or submit an annotated site map if required by CUPA; 19 CCR 4 2729.2(a)(3).

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201180
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5040949
Return To Compliance Date:	2014-03-26T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-05-29T01:03:37.000
Inspection Date:	2014-03-26T00:00:00.000
Violation Code:	1010003 Owner/Operator failed to complete and/or submit the Business Activities Page and/or Business Owner Operator Identification Page; 19 CCR 4 2729.2(a)(1).

UST DTL:

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201180
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	RALPHS
Tankid:	22719
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	1a
Piping System Type:	Pressure
Last Updated:	2021-05-29T01:03:46.000
Tank Capacityin Gallons:	15000
Tank Contents:	Premium Unleaded
Type Of Tank:	Double Wall

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201180
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	RALPHS
Tankid:	22717
Tank Status:	Active
Date Ust Permanently Closed:	Not reported

CHEVRON SERVICE STATION (Continued) **S102427543**

Tank Use:	1a
Piping System Type:	Pressure
Last Updated:	2021-05-29T01:03:46.000
Tank Capacityin Gallons:	20000
Tank Contents:	Regular Unleaded
Type Of Tank:	Double Wall

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201180
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	RALPHS
Tankid:	22718
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	1a
Piping System Type:	Pressure
Last Updated:	2021-05-29T01:03:46.000
Tank Capacityin Gallons:	15000
Tank Contents:	Diesel
Type Of Tank:	Double Wall

Waste and Materials:

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0154569
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-01-08T00:59:24.000
Chemical Name:	Not reported
Common Name:	WASTE ABSORBENT & SPENT DISPENSER FUEL FILTERS
Case Number:	Not reported

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0154570
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-01-08T00:59:24.000
Chemical Name:	Not reported
Common Name:	SUMP WASTE CLEAN-UP, TEST WATER
Case Number:	Not reported

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HCHEM-0293006
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-05-29T01:03:45.000
Chemical Name:	GASOLINE
Common Name:	GASOLINE (GRADES: REGULAR & PREMIUM)
Case Number:	86290-81-5

CHEVRON SERVICE STATION (Continued) **S102427543**

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HCHEM-0293007
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-05-29T01:03:45.000
Chemical Name:	DIESEL
Common Name:	DIESEL
Case Number:	68476-34-6

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0261971
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-05-29T01:03:46.000
Chemical Name:	Not reported
Common Name:	SUMP WASTE CLEAN-UP, TEST WATER
Case Number:	Not reported

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0261972
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-05-29T01:03:46.000
Chemical Name:	Not reported
Common Name:	WASTE ABSORBENT & SPENT DISPENSER FUEL FILTERS
Case Number:	Not reported

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0179921
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2019-01-08T00:59:23.000
Chemical Name:	DIESEL
Common Name:	DIESEL
Case Number:	68476-34-6

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0179922
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2019-01-08T00:59:23.000
Chemical Name:	GASOLINE
Common Name:	GASOLINE (GRADES: REGULAR & PREMIUM UNLEADED)
Case Number:	86290-81-5

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed

CHEVRON SERVICE STATION (Continued) **S102427543**

Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0217698
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2020-03-19T09:50:51.000
Chemical Name:	DIESEL
Common Name:	DIESEL
Case Number:	68476-34-6

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0217699
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2020-03-19T09:50:51.000
Chemical Name:	GASOLINE
Common Name:	GASOLINE (GRADES: REGULAR & PREMIUM UNLEADED)
Case Number:	86290-81-5

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0187799
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-03-19T09:50:51.000
Chemical Name:	Not reported
Common Name:	WASTE ABSORBENT & SPENT DISPENSER FUEL FILTERS
Case Number:	Not reported

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0187800
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-03-19T09:50:51.000
Chemical Name:	Not reported
Common Name:	SUMP WASTE CLEAN-UP, TEST WATER
Case Number:	Not reported

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0258207
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2020-05-19T01:25:12.000
Chemical Name:	DIESEL
Common Name:	DIESEL
Case Number:	68476-34-6

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0258208

CHEVRON SERVICE STATION (Continued) **S102427543**

Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2020-05-19T01:25:12.000
Chemical Name:	GASOLINE
Common Name:	GASOLINE (GRADES: REGULAR & PREMIUM UNLEADED)
Case Number:	86290-81-5

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0229097
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-05-19T01:25:13.000
Chemical Name:	Not reported
Common Name:	WASTE ABSORBENT & SPENT DISPENSER FUEL FILTERS
Case Number:	Not reported

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0229098
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-05-19T01:25:13.000
Chemical Name:	Not reported
Common Name:	SUMP WASTE CLEAN-UP, TEST WATER
Case Number:	Not reported

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0096313
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-03-24T02:33:22.000
Chemical Name:	DIESEL
Common Name:	DIESEL
Case Number:	68476-34-6

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0096314
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-03-24T02:33:22.000
Chemical Name:	GASOLINE
Common Name:	GASOLINE (GRADES: REGULAR & PREMIUM UNLEADED)
Case Number:	86290-81-5

Record ID:	DEH2003-HUPFP-201180
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HWAST-0078524
Trade Secret:	N
Hazardous Material Type:	Not reported

CHEVRON SERVICE STATION (Continued) **S102427543**

Last Updated:	2018-03-24T02:33:22.000
Chemical Name:	Not reported
Common Name:	WASTE ABSORBENT & SPENT DISPENSER FUEL FILTERS
Case Number:	Not reported

Name:	THURSTON MINI MART (DBA 76)
Address:	1704 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	201180
Business Type:	6HK28
EPA Id Number:	CAL000256124
APN:	530-373-05-00
Last HMMD Inspection:	05/08/2012
Facility Telephone:	619-223-9014
Permit Status:	OPEN
Permit Expiration:	07/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	THURSTON MINI MART
Facility Mailing Address:	P.O. BOX 675276
Facility Mailing City:	RANCHO SANTA FE
Facility Mailing State:	CA
Facility Mailing Zip:	92067
UST Owner:	EDWIN THURSTON
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	201180
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL
Other Information:	UNDERGROUND TANK 201180 T006
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	201180
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	PREMIUM UNLEADED
Other Information:	UNDERGROUND TANK 201180 T007
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	201180
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 201180 T005
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

CHEVRON SERVICE STATION (Continued) **S102427543**

Permit Number: 201180
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: WATER & FUEL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 201180
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: USED FUEL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 201180
Update Date: 11/02/2012
Inspection Date: 05/29/2008
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 201180
Update Date: 11/02/2012
Inspection Date: 05/18/2011
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 201180
Update Date: 11/02/2012
Inspection Date: 05/11/2004
Violation Code: 6HV3105
Violation: NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation: Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity: ACTIVE

Permit Number: 201180
Update Date: 11/02/2012
Inspection Date: 05/03/2005
Violation Code: 6HV3105
Violation: NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation: Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity: ACTIVE

CHEVRON SERVICE STATION (Continued) **S102427543**

Permit Number: 201180
Update Date: 11/02/2012
Inspection Date: 05/03/2005
Violation Code: 6HV3158
Violation: ALL OPERATING CONDITIONS NOT MET
Violation Citation: All permit operating conditions not met. 25284; 2712
Activity: ACTIVE

Permit Number: 201180
Update Date: 11/02/2012
Inspection Date: 05/03/2005
Violation Code: 6HV3405
Violation: LLD DOESN'T DETECT 3.0 GPH OR EQUIVA
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING: OPTION 3-Line leak detector does not detect 3.0 gph or equivalent? 2636(f)(2)
Activity: ACTIVE

Permit Number: 201180
Update Date: 11/02/2012
Inspection Date: 05/03/2005
Violation Code: 6HV3405
Violation: LLD DOESN'T DETECT 3.0 GPH OR EQUIVA
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING: OPTION 3-Line leak detector does not detect 3.0 gph or equivalent? 2636(f)(2)
Activity: ACTIVE

Permit Number: 201180
Update Date: 11/02/2012
Inspection Date: 05/03/2005
Violation Code: 6HV3405
Violation: LLD DOESN'T DETECT 3.0 GPH OR EQUIVA
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING: OPTION 3-Line leak detector does not detect 3.0 gph or equivalent? 2636(f)(2)
Activity: ACTIVE

Permit Number: 201180
Update Date: 11/02/2012
Inspection Date: 05/26/2009
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity: ACTIVE

Permit Number: 201180
Update Date: 11/02/2012
Inspection Date: 05/26/2009
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 201180
Update Date: 11/02/2012
Inspection Date: 05/26/2009
Violation Code: 6HV3252

CHEVRON SERVICE STATION (Continued) **S102427543**

Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE
Permit Number:	201180
Update Date:	11/02/2012
Inspection Date:	05/26/2009
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE

UST:

UST Name:	UNDERGROUND TANK 201180 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	201180
Tank Type:	DOUBLE WALL
Additional Id:	NT2291
Capacity Gallons:	20000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2002-04-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 201180 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	201180
Tank Type:	DOUBLE WALL
Additional Id:	NT2291
Capacity Gallons:	15000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2002-04-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 201180 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	201180
Tank Type:	DOUBLE WALL
Additional Id:	NT2291
Capacity Gallons:	15000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	SUPER UNLEADED

CHEVRON SERVICE STATION (Continued) **S102427543**

Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2002-04-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Name:	THURSTON MINI MART (DBA 76)
Address:	1704 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	201180
Business Type:	6HK28
EPA Id Number:	CAL000256124
APN:	530-373-05-00
Last HMMD Inspection:	05/08/2012
Facility Telephone:	619-223-9014
Permit Status:	OPEN
Permit Expiration:	07/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	THURSTON MINI MART
Facility Mailing Address:	P.O. BOX 675276
Facility Mailing City:	RANCHO SANTA FE
Facility Mailing State:	CA
Facility Mailing Zip:	92067
UST Owner:	EDWIN THURSTON
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	201180
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL
Other Information:	UNDERGROUND TANK 201180 T006
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	201180
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	PREMIUM UNLEADED
Other Information:	UNDERGROUND TANK 201180 T007
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	201180
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED

CHEVRON SERVICE STATION (Continued) **S102427543**

Other Information: UNDERGROUND TANK 201180 T005
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 201180
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: WATER & FUEL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 201180
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: USED FUEL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 201180
Update Date: 11/02/2012
Inspection Date: 05/29/2008
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 201180
Update Date: 11/02/2012
Inspection Date: 05/18/2011
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 201180
Update Date: 11/02/2012
Inspection Date: 05/11/2004
Violation Code: 6HV3105
Violation: NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation: Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity: ACTIVE

Permit Number: 201180
Update Date: 11/02/2012
Inspection Date: 05/03/2005
Violation Code: 6HV3105

CHEVRON SERVICE STATION (Continued) **S102427543**

Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Permit Number:	201180
Update Date:	11/02/2012
Inspection Date:	05/03/2005
Violation Code:	6HV3158
Violation:	ALL OPERATING CONDITIONS NOT MET
Violation Citation:	All permit operating conditions not met. 25284; 2712
Activity:	ACTIVE
Permit Number:	201180
Update Date:	11/02/2012
Inspection Date:	05/03/2005
Violation Code:	6HV3405
Violation:	LLD DOESN’T DETECT 3.0 GPH OR EQUIVA
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING: OPTION 3-Line leak detector does not detect 3.0 gph or equivalent? 2636(f)(2)
Activity:	ACTIVE
Permit Number:	201180
Update Date:	11/02/2012
Inspection Date:	05/03/2005
Violation Code:	6HV3405
Violation:	LLD DOESN’T DETECT 3.0 GPH OR EQUIVA
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING: OPTION 3-Line leak detector does not detect 3.0 gph or equivalent? 2636(f)(2)
Activity:	ACTIVE
Permit Number:	201180
Update Date:	11/02/2012
Inspection Date:	05/03/2005
Violation Code:	6HV3405
Violation:	LLD DOESN’T DETECT 3.0 GPH OR EQUIVA
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING: OPTION 3-Line leak detector does not detect 3.0 gph or equivalent? 2636(f)(2)
Activity:	ACTIVE
Permit Number:	201180
Update Date:	11/02/2012
Inspection Date:	05/26/2009
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Permit Number:	201180
Update Date:	11/02/2012
Inspection Date:	05/26/2009
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE

CHEVRON SERVICE STATION (Continued) **S102427543**

Permit Number:	201180
Update Date:	11/02/2012
Inspection Date:	05/26/2009
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE

Permit Number:	201180
Update Date:	11/02/2012
Inspection Date:	05/26/2009
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE

UST:

UST Name:	UNDERGROUND TANK 201180 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	201180
Tank Type:	DOUBLE WALL
Additional Id:	NT2291
Capacity Gallons:	20000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2002-04-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 201180 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	201180
Tank Type:	DOUBLE WALL
Additional Id:	NT2291
Capacity Gallons:	15000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2002-04-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 201180 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	201180
Tank Type:	DOUBLE WALL

CHEVRON SERVICE STATION (Continued) **S102427543**

Additional Id:	NT2291
Capacity Gallons:	15000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	SUPER UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2002-04-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

CERS HAZ WASTE:

Name:	RALPHS FUEL CENTER #212
Address:	1704 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Site ID:	60052
CERS ID:	10382584
CERS Description:	Hazardous Waste Generator

SWEEPS UST:

Name:	CHEVRON #95237
Address:	1704 ROSECRANS ST
City:	SAN DIEGO
Status:	Not reported
Comp Number:	13227
Number:	Not reported
Board Of Equalization:	44-022734
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013227-000001
Tank Status:	Not reported
Capacity:	8000
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	4

Name:	CHEVRON #95237
Address:	1704 ROSECRANS ST
City:	SAN DIEGO
Status:	Not reported
Comp Number:	13227
Number:	Not reported
Board Of Equalization:	44-022734
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013227-000002
Tank Status:	Not reported

CHEVRON SERVICE STATION (Continued) **S102427543**

Capacity: 7000
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: CHEVRON #95237
Address: 1704 ROSECRANS ST
City: SAN DIEGO
Status: Not reported
Comp Number: 13227
Number: Not reported
Board Of Equalization: 44-022734
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013227-000003
Tank Status: Not reported
Capacity: 4000
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: CHEVRON #95237
Address: 1704 ROSECRANS ST
City: SAN DIEGO
Status: Not reported
Comp Number: 13227
Number: Not reported
Board Of Equalization: 44-022734
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013227-000004
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: UNKNOWN
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

CERS TANKS:
Name: RALPHS FUEL CENTER #212
Address: 1704 ROSECRANS ST
City,State,Zip: SAN DIEGO, CA 92106
Site ID: 60052
CERS ID: 10382584
CERS Description: Underground Storage Tank

CORTESE:

CHEVRON SERVICE STATION (Continued) **S102427543**

Name:	CHEVRON #95237
Address:	1704 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921061928
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607303143
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

EMI:

Name:	THURSTON MINI MART & GAS SALES
Address:	1704 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	8018
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.5
Reactive Organic Gases Tons/Yr:	2.5
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	THURSTON MINI MART & GAS SALES
Address:	1704 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 90706
Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	8018
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported

CHEVRON SERVICE STATION (Continued) **S102427543**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.5
Reactive Organic Gases Tons/Yr:	2.5
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	THURSTON MINI MART & GAS SALES
Address:	1704 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	8018
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.5
Reactive Organic Gases Tons/Yr:	2.5
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	THURSTON MINI MART & GAS SALES
Address:	1704 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	8018
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.5
Reactive Organic Gases Tons/Yr:	2.5
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	THURSTON MINI MART & GAS SALES
Address:	1704 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	8018
Air District Name:	SD

CHEVRON SERVICE STATION (Continued) **S102427543**

SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.5
Reactive Organic Gases Tons/Yr:	2.5
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	THURSTON MINI MART & GAS SALES
Address:	1704 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	8018
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.5
Reactive Organic Gases Tons/Yr:	2.5
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	THURSTON MINI MART & GAS SALES
Address:	1704 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2012
County Code:	37
Air Basin:	SD
Facility ID:	8018
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.5
Reactive Organic Gases Tons/Yr:	2.5
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	THURSTON MINI MART & GAS SALES
Address:	1704 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2013
County Code:	37

CHEVRON SERVICE STATION (Continued) **S102427543**

Air Basin:	SD
Facility ID:	8018
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.5
Reactive Organic Gases Tons/Yr:	2.5
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	THURSTON MINI MART & GAS SALES
Address:	1704 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2014
County Code:	37
Air Basin:	SD
Facility ID:	8018
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.5
Reactive Organic Gases Tons/Yr:	2.5
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	THURSTON MINI MART & GAS SALES
Address:	1704 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2015
County Code:	37
Air Basin:	SD
Facility ID:	8018
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.5
Reactive Organic Gases Tons/Yr:	2.5
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	THURSTON MINI MART & GAS SALES
Address:	1704 ROSECRANS ST

CHEVRON SERVICE STATION (Continued) **S102427543**

City,State,Zip:	SAN DIEGO, CA 92106
Year:	2016
County Code:	37
Air Basin:	SD
Facility ID:	8018
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.5
Reactive Organic Gases Tons/Yr:	2.5
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	THURSTON MINI MART & GAS SALES
Address:	1704 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2017
County Code:	37
Air Basin:	SD
Facility ID:	8018
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.5
Reactive Organic Gases Tons/Yr:	2.5
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	THURSTON MINI MART & GAS SALES
Address:	1704 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2018
County Code:	37
Air Basin:	SD
Facility ID:	8018
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.5
Reactive Organic Gases Tons/Yr:	2.5
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

CHEVRON SERVICE STATION (Continued) **S102427543**

Name:	THURSTON MINI MART & GAS SALES
Address:	1704 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2019
County Code:	37
Air Basin:	SD
Facility ID:	8018
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.5
Reactive Organic Gases Tons/Yr:	2.5
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

HAZNET:

Name:	RALPHS GROCERY COMPANY-FUEL CENTER #212
Address:	1704 ROSECRANS ST
Address 2:	Not reported
City,State,Zip:	SAN DIEGO, CA 900540000
Contact:	MATTHEW EATON
Telephone:	3108844016
Mailing Name:	Not reported
Mailing Address:	P.O. BOX 54143
Year:	2019
Gepaid:	CAD983666207
TSD EPA ID:	CAT080013352
CA Waste Code:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.18765
Year:	2019
Gepaid:	CAD983666207
TSD EPA ID:	CAT080013352
CA Waste Code:	241 - Tank bottom waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.39615
Year:	2019
Gepaid:	CAD983666207
TSD EPA ID:	NVT330010000
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.60900
Year:	2018
Gepaid:	CAD983666207
TSD EPA ID:	NVT330010000

CHEVRON SERVICE STATION (Continued) **S102427543**

CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.51950
Year:	2018
Gepaid:	CAD983666207
TSD EPA ID:	NVT330010000
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.07450
Year:	2017
Gepaid:	CAD983666207
TSD EPA ID:	NVT330010000
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.055
Year:	2017
Gepaid:	CAD983666207
TSD EPA ID:	NVT330010000
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.176
Year:	2016
Gepaid:	CAD983666207
TSD EPA ID:	NVT330010000
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.166
Year:	2000
Gepaid:	CAD983666207
TSD EPA ID:	CAD050806850
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H01 - Transfer Station
Tons:	0.189

Additional Info:

Year:	2000
Gen EPA ID:	CAD983666207
Shipment Date:	20000504
Creation Date:	8/14/2000 0:00:00
Receipt Date:	20000505
Manifest ID:	99342052
Trans EPA ID:	SCR000074591
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported

CHEVRON SERVICE STATION (Continued) **S102427543**

Trans 2 Name: Not reported
TSDF EPA ID: CAD050806850
Trans Name: Not reported
TSDF Alt EPA ID: CAD050806850
TSDF Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D001
Meth Code: H01 - Transfer Station
Quantity Tons: 0.189
Waste Quantity: 45
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2017
Gen EPA ID: CAD983666207

Shipment Date: 20171227
Creation Date: 10/16/2018 18:30:53
Receipt Date: 20180116
Manifest ID: 017602995JJK
Trans EPA ID: MIK435642742
Trans Name: EQ INDUSTRIAL SERVICES
Trans 2 EPA ID: ALR000007237
Trans 2 Name: ACTION RESOURCES INC
TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.0205
Waste Quantity: 41
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20171214
Creation Date: 10/16/2018 18:31:15
Receipt Date: 20171220
Manifest ID: 017601499JJK
Trans EPA ID: MIK435642742
Trans Name: EQ INDUSTRIAL SERVICES
Trans 2 EPA ID: ALR000007237
Trans 2 Name: ACTION RESOURCES INC
TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY INC
TSDF Alt EPA ID: Not reported

CHEVRON SERVICE STATION (Continued) **S102427543**

TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.0035
Waste Quantity:	7
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20171129
Creation Date:	7/5/2018 18:32:15
Receipt Date:	20171213
Manifest ID:	017601472JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20171116
Creation Date:	7/20/2018 18:30:10
Receipt Date:	20171129
Manifest ID:	017602793JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.0015
Waste Quantity:	3

CHEVRON SERVICE STATION (Continued) **S102427543**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171025
Creation Date:	10/16/2018 18:31:43
Receipt Date:	20171106
Manifest ID:	017602593JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.004
Waste Quantity:	8
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171012
Creation Date:	7/10/2018 18:30:24
Receipt Date:	20171024
Manifest ID:	017602732JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.0105
Waste Quantity:	21
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CHEVRON SERVICE STATION (Continued) **S102427543**

Shipment Date:	20170927
Creation Date:	7/11/2018 18:30:30
Receipt Date:	20171011
Manifest ID:	017601451JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.006
Waste Quantity:	12
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170913
Creation Date:	7/11/2018 18:32:18
Receipt Date:	20171002
Manifest ID:	017601432JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170724
Creation Date:	8/2/2018 18:30:33
Receipt Date:	20170803
Manifest ID:	017601244JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	ALR000007237

CHEVRON SERVICE STATION (Continued) **S102427543**

Trans 2 Name:	ACTION RESOURCES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170711
Creation Date:	7/6/2018 18:30:51
Receipt Date:	20170719
Manifest ID:	017601124JJK
Trans EPA ID:	MIK435642742
Trans Name:	EQ INDUSTRIAL SERVICES
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.0355
Waste Quantity:	71
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HIST CORTESE:

edr_fname:	CHEVRON SERVICE STATION
edr_fadd1:	1704 ROSECRANS
City,State,Zip:	SAN DIEGO, CA
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT90

SAN DIEGO CO LOP:

Name:	CHEVRON #95237
Address:	1704 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106

CHEVRON SERVICE STATION (Continued) **S102427543**

Record ID:	DEH1985-LSAM-H13227-001
Record Status:	Completed
Opened Date:	01/11/1985
Parcel Number:	530-373-05-00
Case Type:	LOP - Local Oversight Program
Historical Name:	CHEVRON
SWRCB Global ID:	T0607303143
Funding:	S - LOP State Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	01/11/1985
Census Tract:	214.00
Community:	San Diego
Jurisdiction:	SAN DIEGO
Watershed Basin Number:	908.1
Water Purveyor:	SAN DIEGO
Fire Agency:	SAN DIEGO
Latitude:	32.7289393
Longitude:	-117.2259201
X MapCoord:	6261533.924
Y MapCoord:	1846396.667

CERS:

Name:	CHEVRON #95237
Address:	1704 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921061928
Site ID:	205025
CERS ID:	T0607303143
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	KEVIN HEATON - SAN DIEGO COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Name:	RALPHS FUEL CENTER #212
Address:	1704 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Site ID:	60052
CERS ID:	10382584
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	60052
Site Name:	RALPHS FUEL CENTER #212
Violation Date:	03-22-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 04/23/2018. Inspection Sequence ID:5613399

CHEVRON SERVICE STATION (Continued) **S102427543**

Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	60052
Site Name:	RALPHS FUEL CENTER #212
Violation Date:	03-22-2017
Citation:	23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description:	Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements:Monitor at least hourly.Be capable of detecting a release of 3.0 gallons per hour at 10 p.s.i.g. Restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes:	Returned to compliance on 05/23/2017. Inspection Sequence ID:5613399;Tank ID:22719;Violation Description:(RD) Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow or product through the piping or trigger an alarm when a release occurs. 23 CCR 2636(f)(2)
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	60052
Site Name:	RALPHS FUEL CENTER #212
Violation Date:	03-24-2016
Citation:	23 CCR 16 2666(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666(c)
Violation Description:	Failure of line leak detector to detect a leak and/or failure of audible and visual alarm.
Violation Notes:	Returned to compliance on 06/30/2017.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	60052
Site Name:	RALPHS FUEL CENTER #212
Violation Date:	03-25-2015
Citation:	23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description:	Failure to comply with one or more of the following: maintain the spill bucket in good condition, containment free of debris/liquid, and/or to remove the contents of the spill bucket when a release/leak/spill was observed.
Violation Notes:	Returned to compliance on 03/25/2105.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	60052
Site Name:	RALPHS FUEL CENTER #212
Violation Date:	03-14-2019
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	"Failure to meet one or more of the following requirements: Install or

CHEVRON SERVICE STATION (Continued) **S102427543**

maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "

Violation Notes: Returned to compliance on 05/15/2019. Inspection Sequence ID:6112679;Tank ID:22717,22718,22719;Violation Description:(TCR 9a) Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of 5 gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container, tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. 23 CCR 2635(b), 2637.1(a-c), 2665(a-b), 2712(b)(1)(F); HSC 25284.2
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 60052
Site Name: RALPHS FUEL CENTER #212
Violation Date: 03-25-2015
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description: Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow of product through the piping or trigger an alarm when a release occurs.
Violation Notes: Returned to compliance on 03/25/2015.
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 60052
Site Name: RALPHS FUEL CENTER #212
Violation Date: 03-22-2017
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes: Returned to compliance on 04/26/2017. Inspection Sequence ID:5613399
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-18-2020

CHEVRON SERVICE STATION (Continued) **S102427543**

Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Villena Elaine Inspection ID:6404220
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-22-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kiener Michael Inspection ID:5613399
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-25-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kiener Michael Inspection ID:5142820
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-25-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kiener Michael Inspection ID:5142820
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	03-29-2021
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	"No On-site Inspection" Inspector: Villena Elaine Inspection ID:6624309
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-15-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Archer Veronica Inspection ID:5855224
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-24-2016
Violations Found:	No
Eval Type:	Routine done by local agency

CHEVRON SERVICE STATION (Continued) **S102427543**

Eval Notes:	Inspector: Kiener Michael Inspection ID:5280822
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-14-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Archer Veronica Inspection ID:6112679
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-24-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kiener Michael Inspection ID:5280822
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-14-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Archer Veronica Inspection ID:6112679
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-14-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Archer Veronica Inspection ID:6112679
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-15-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Archer Veronica Inspection ID:5855224
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-15-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Archer Veronica Inspection ID:5855224
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW

CHEVRON SERVICE STATION (Continued) **S102427543**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-22-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kiener Michael Inspection ID:5613399
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-22-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kiener Michael Inspection ID:5613399
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-24-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kiener Michael Inspection ID:5280822
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-25-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kiener Michael Inspection ID:5142820
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 60052
Facility Name: RALPHS FUEL CENTER #212
Env Int Type Code: HWG
Program ID: 10382584
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 32.728940
Longitude: -117.225920

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: BELSHIRE ENVIRONMENTAL SERVICES, INC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported

CHEVRON SERVICE STATION (Continued) **S102427543**

Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	CHARLES COUSAR
Entity Title:	RALPHS DIVISON FUEL MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	RALPHS
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 884-9000,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Ralphs Grocery Company
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	CHARLES COUSAR
Entity Title:	RALPHS DIVISION FUEL MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 884-4011,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1100 W ARTESIA BLVD.
Affiliation City:	COMPTON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90220
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261

CHEVRON SERVICE STATION (Continued) **S102427543**

Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Legal Owner
Entity Name:	RALPHS
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 54143
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90054
Affiliation Phone:	(310) 884-9000,
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	RALPHS
Entity Title:	Not reported
Affiliation Address:	1100 W ARTESIA BLVD.
Affiliation City:	COMPTON
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90220
Affiliation Phone:	(310) 884-9000,
Affiliation Type Desc:	UST Tank Operator
Entity Name:	RALPHS
Entity Title:	Not reported
Affiliation Address:	1100 W ARTESIA BLVD.
Affiliation City:	COMPTON
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90220
Affiliation Phone:	(310) 884-9000,
Affiliation Type Desc:	Environmental Contact
Entity Name:	CHARLES COUSAR
Entity Title:	Not reported
Affiliation Address:	P.O. BOX 54143
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90054
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	RALPHS
Entity Title:	Not reported
Affiliation Address:	1100 W ARTESIA BLVD.
Affiliation City:	COMPTON
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90220
Affiliation Phone:	(310) 884-9000,
Affiliation Type Desc:	UST Tank Owner

CHEVRON SERVICE STATION (Continued) **S102427543**

Entity Name:	Ralphs Grocery Company
Entity Title:	Not reported
Affiliation Address:	1100 W ARTESIA BLVD.
Affiliation City:	COMPTON
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90220
Affiliation Phone:	(310) 884-9000,

Name:	THURSTON MINI MART & GAS SALES
Address:	1704 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106-1928
Site ID:	499112
CERS ID:	110037975992
CERS Description:	US EPA Air Emission Inventory System (EIS)

HWTS:

Name:	RALPHS GROCERY COMPANY-FUEL CENTER #212
Address:	1704 ROSECRANS ST
Address 2:	Not reported
City,State,Zip:	SAN DIEGO, CA 92106
EPA ID:	CAD983666207
Inactive Date:	Not reported
Create Date:	04/27/1993
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	PO BOX 80842
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SEATTLE, WA 98108
Owner Name:	RALPHS GROCERY CO
Owner Address:	PO BOX 80842
Owner Address 2:	Not reported
Owner City,State,Zip:	SEATTLE, WA 98108
Contact Name:	MATTHEW EATON
Contact Address:	1100 W. ARTESIA BLVD.
Contact Address 2:	Not reported
City,State,Zip:	COMPTON, CA 90220
Facility Status:	Active
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	32.728977
Longitude:	-117.225974

NAICS:

EPA ID:	CAD983666207
Create Date:	2016-04-28 16:57:49.043
NAICS Code:	44711
NAICS Description:	Gasoline Stations with Convenience Stores
Issued EPA ID Date:	1993-04-27 00:00:00
Inactive Date:	Not reported
Facility Name:	RALPHS GROCERY COMPANY-FUEL CENTER #212
Facility Address:	1704 ROSECRANS ST
Facility Address 2:	Not reported
Facility City:	SAN DIEGO
Facility County:	Not reported
Facility State:	CA

CHEVRON SERVICE STATION (Continued) **S102427543**

Facility Zip: 921060000

S81
NNW
1/4-1/2
0.351 mi.
1852 ft.

Relative:
Higher

Actual:
21 ft.

CALTRANS - DISTRICT 11
1740 ROSECRANS ST
SAN DIEGO, CA 92107

Site 1 of 2 in cluster S

LUST
SAN DIEGO CO. SAM
San Diego Co. HMMD
SWEEPS UST
Cortese
SAN DIEGO CO LOP

S101302146
N/A

LUST REG 9:

Region: 9
Status: Remedial action (cleanup) Underway
Case Number: 9UT1530
Local Case: H12435-001
Substance: Gasoline
Qty Leaked: 0
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 08/29/1989
Date Stopped: 08/29/1989
Confirm Date: 08/29/1989
Submit Workplan: Not reported
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: 4/1/90
Began Monitor: Not reported
Release Date: 08/29/1989
Enforce Date: 9/15/89
Closed Date: Not reported
Enforce Type: SEL
Pilot Program: LOP
Basin Number: 908.10
GW Depth: Not reported
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: 2B
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. SAM:

Name: CIRRUS DEVELOPMENT GROUP INC
Address: 1740 ROSECRANS ST
City,State,Zip: SAN DIEGO, CA 921061928
Case Number: H12435-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**

CALTRANS - DISTRICT 11 (Continued) **S101302146**

Facility Type:	GW With No Beneficial Use Designation
Facility Status:	Remedial Investigation
Date:	9/21/1989
Date Began:	8/28/1989

HMMD SAN DIEGO:

Name:	CIRRUS DEVELOPMENT GROUP INC
Address:	1740 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	112435
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	530-373-11-00
Last HMMD Inspection:	02/07/1989
Facility Telephone:	Not reported
Permit Status:	INAC
Permit Expiration:	02/07/1989
Date Last Updated:	11/02/2012
Facility Owner:	Not reported
Facility Mailing Address:	Not reported
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 112435 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	112435
Tank Type:	SINGLE WALL
Additional Id:	6
Capacity Gallons:	550
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1989-08-28 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 112435 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	112435
Tank Type:	SINGLE WALL
Additional Id:	8
Capacity Gallons:	550
UST Contents:	LEADED
Other Content Info:	LEADED

CALTRANS - DISTRICT 11 (Continued) **S101302146**

Reg Status:	REMOVED
Remove Close Date:	1989-08-28 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 112435 T009
Last Update:	2012-11-02 14:17:38
Permit Number:	112435
Tank Type:	SINGLE WALL
Additional Id:	09
Capacity Gallons:	550
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1989-08-28 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 112435 T010
Last Update:	2012-11-02 14:17:38
Permit Number:	112435
Tank Type:	SINGLE WALL
Additional Id:	10
Capacity Gallons:	550
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1989-08-28 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SWEEPS UST:

Name:	CIRRUS DEVELOPMENT GROUP INC
Address:	1740 ROSECRANS ST
City:	SAN DIEGO
Status:	Not reported
Comp Number:	12435
Number:	Not reported
Board Of Equalization:	44-022568
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012435-000006

CALTRANS - DISTRICT 11 (Continued) **S101302146**

Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	4

Name:	CIRRUS DEVELOPMENT GROUP INC
Address:	1740 ROSECRANS ST
City:	SAN DIEGO
Status:	Not reported
Comp Number:	12435
Number:	Not reported
Board Of Equalization:	44-022568
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012435-000008
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

Name:	CIRRUS DEVELOPMENT GROUP INC
Address:	1740 ROSECRANS ST
City:	SAN DIEGO
Status:	Not reported
Comp Number:	12435
Number:	Not reported
Board Of Equalization:	44-022568
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012435-000009
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

Name:	CIRRUS DEVELOPMENT GROUP INC
Address:	1740 ROSECRANS ST
City:	SAN DIEGO
Status:	Not reported
Comp Number:	12435
Number:	Not reported
Board Of Equalization:	44-022568
Referral Date:	Not reported
Action Date:	Not reported

CALTRANS - DISTRICT 11 (Continued) **S101302146**

Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012435-000010
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

CORTESE:

Name:	CIRRUS DEVELOPMENT GROUP INC
Address:	1740 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921061928
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607300351
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

SAN DIEGO CO LOP:

Name:	CIRRUS DEVELOPMENT GROUP INC
Address:	1740 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Record ID:	DEH1989-LSAM-H12435-001
Record Status:	Completed
Opened Date:	08/28/1989
Parcel Number:	530-373-11-00
Case Type:	LOP - Local Oversight Program
Historical Name:	CALTRANS ROSECRANS
SWRCB Global ID:	T0607300351
Funding:	S - LOP State Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	08/28/1989
Census Tract:	214.00
Community:	San Diego
Jurisdiction:	SAN DIEGO
Watershed Basin Number:	908.1
Water Purveyor:	SAN DIEGO

CALTRANS - DISTRICT 11 (Continued) **S101302146**

Fire Agency:	SAN DIEGO
Latitude:	32.7291828
Longitude:	-117.2258018
X MapCoord:	6261580.345
Y MapCoord:	1846486.395

S82
NNW
1/4-1/2
0.351 mi.
1852 ft.

CALTRANS - DISTRICT 11
1740 ROSECRANS
SAN DIEGO, CA 92107

Site 2 of 2 in cluster S

LUST
HIST CORTESE
Notify 65
CERS

S100179283
N/A

Relative:
Higher

Actual:
21 ft.

LUST:

Name:	CIRRUS DEVELOPMENT GROUP INC
Address:	1740 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921061928
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300351
Global Id:	T0607300351
Latitude:	32.7290905
Longitude:	-117.2255421
Status:	Completed - Case Closed
Status Date:	08/19/2015
Case Worker:	TS
RB Case Number:	9UT1530
Local Agency:	SAN DIEGO COUNTY LOP
File Location:	Local Agency
Local Case Number:	H12435-001
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	A bank is currently located at the site; however, the property was formerly occupied by an auto repair facility. During property improvement activities for construction of the bank in June 1989, five 550-gallon capacity abandoned underground storage tanks (USTs) were discovered near the northeast corner of the site within the Rosecrans Street right-of-way. Soil samples were collected from trenches around the UST area, and laboratory analyses showed the presence of elevated concentrations of total petroleum hydrocarbons (TPH), benzene, toluene, ethylbenzene, and xylenes (BTEX). The USTs were removed on August 28, 1989. A maximum TPH concentration of 5,240 milligrams per kilogram (mg/kg) was reported in a soil sample collected from the bottom of the tank excavation. A limited soil assessment of the UST excavation area was conducted in September 1989. TPH was not detected in soil samples collected around the perimeter of the tank area, and the consultant concluded that the release area was localized. During the assessment, an estimated 200 cubic yards of petroleum-impacted soil was excavated from the tank area, and reportedly moved offsite for later disposal. DEH opened an unauthorized release case for the site on September 14, 1989. In August 2000, three direct-push borings were advanced near the UST excavation in the sidewalk adjoining Rosecrans Street. Based on analytical results for the soil samples collected from the borings, the consultant estimated that approximately 100 cubic yards of TPH-impacted soil remained in vicinity of the former USTs. Groundwater samples were also collected from the three boreholes. Dissolved petroleum hydrocarbons concentrations were highest in the groundwater sample collected from the boring located near the

CALTRANS - DISTRICT 11 (Continued) **S100179283**

northeast corner of the site (B3), with a maximum benzene concentration of 1,300 micrograms per liter (ug/l). In May 2013, three soil borings/groundwater monitoring wells were installed to delineate the extent of soil and groundwater contamination. TPH in the gasoline range (TPH-g) concentrations of 121 mg/kg and 144 mg/kg were detected in soil samples collected from two of the borings at a depth of 15 feet (near the groundwater table). TPH-g was not detected in soil samples collected from the downgradient boring. The three monitoring wells were sampled in May 2013 and January 2014. Only trace amounts of TPH were detected in the groundwater samples, and BTEX and methyl tertiary butyl ether (MTBE) were not detected at concentrations above the method detection limits. The consultant concludes that contaminants present during the site assessment conducted in 2000 have degraded over time through natural attenuation. Based on the low TPH concentrations and absence of BTEX and fuel oxygenates in recent groundwater and soil samples, and on the location of the site in a groundwater basin with no designated beneficial uses, the consultant recommends case closure under the State Water Resources Control Boards Low-Threat UST Case Closure Policy (LTCP). DEH concurs with the consultants recommendation for case closure under the LTCP. A 60-day public comment period for DEHs Intent to Close Case notification was completed. Comments were only received from the City of San Diego Public Utilities Department (PUD). In a response letter to PUD dated August 27, 2014, DEH stated that residual petroleum hydrocarbon contaminants are not expected to impact any plans by the City to develop groundwater resources in the vicinity of the site. According to the Basin Plan, groundwater beneath the site has no designated beneficial uses, and is exempted from municipal and domestic supply. Note that the attached SCM incorrectly identifies the Metropolitan Water District of Southern California as the public water system for the site. The San Diego County Water Authority is the water purveyor for the City of San Diego. The three site monitoring wells were destroyed under DEH permit #DEH2014-LMWP-001262 on September 30, 2014.

LUST:

Global Id:	T0607300351
Contact Type:	Local Agency Caseworker
Contact Name:	TERESA SHERMAN
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	teresa.sherman@sdcounty.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0607300351
Action Type:	ENFORCEMENT
Date:	04/08/2013
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607300351
Action Type:	ENFORCEMENT
Date:	12/06/2012
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607300351

CALTRANS - DISTRICT 11 (Continued) **S100179283**

Action Type: ENFORCEMENT
Date: 05/04/2012
Action: Notice of Responsibility

Global Id: T0607300351
Action Type: ENFORCEMENT
Date: 10/30/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300351
Action Type: ENFORCEMENT
Date: 05/13/2014
Action: Notification - Public Notice of Case Closure

Global Id: T0607300351
Action Type: Other
Date: 08/28/1989
Action: Leak Reported

Global Id: T0607300351
Action Type: REMEDIATION
Date: 09/10/1989
Action: Excavation

Global Id: T0607300351
Action Type: ENFORCEMENT
Date: 09/15/1989
Action: Notice of Responsibility

Global Id: T0607300351
Action Type: ENFORCEMENT
Date: 02/01/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300351
Action Type: ENFORCEMENT
Date: 02/01/2012
Action: Notice of Responsibility

Global Id: T0607300351
Action Type: ENFORCEMENT
Date: 01/30/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300351
Action Type: ENFORCEMENT
Date: 05/08/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300351
Action Type: ENFORCEMENT
Date: 07/22/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300351
Action Type: Other
Date: 08/28/1989

CALTRANS - DISTRICT 11 (Continued) **S100179283**

Action:	Leak Began
Global Id:	T0607300351
Action Type:	RESPONSE
Date:	12/03/2012
Action:	Soil and Water Investigation Workplan - Regulator Responded
Global Id:	T0607300351
Action Type:	RESPONSE
Date:	09/16/2013
Action:	Site Assessment Report - Regulator Responded
Global Id:	T0607300351
Action Type:	RESPONSE
Date:	03/19/2014
Action:	Request for Closure - Regulator Responded
Global Id:	T0607300351
Action Type:	ENFORCEMENT
Date:	08/16/2015
Action:	Closure/No Further Action Letter
Global Id:	T0607300351
Action Type:	Other
Date:	08/28/1989
Action:	Leak Stopped
Global Id:	T0607300351
Action Type:	ENFORCEMENT
Date:	09/04/2012
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607300351
Action Type:	ENFORCEMENT
Date:	12/04/2013
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607300351
Action Type:	RESPONSE
Date:	01/31/2012
Action:	Correspondence
Global Id:	T0607300351
Action Type:	ENFORCEMENT
Date:	11/05/2012
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607300351
Action Type:	ENFORCEMENT
Date:	07/24/2012
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607300351
Action Type:	ENFORCEMENT
Date:	05/04/2012
Action:	Technical Correspondence / Assistance / Other

CALTRANS - DISTRICT 11 (Continued) **S100179283**

Global Id: T0607300351
Action Type: ENFORCEMENT
Date: 08/27/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300351
Action Type: Other
Date: 08/28/1989
Action: Leak Discovery

LUST:
Global Id: T0607300351
Status: Open - Case Begin Date
Status Date: 08/28/1989

Global Id: T0607300351
Status: Open - Remediation
Status Date: 09/21/1989

Global Id: T0607300351
Status: Open - Eligible for Closure
Status Date: 05/08/2014

Global Id: T0607300351
Status: Open - Site Assessment
Status Date: 06/19/2014

Global Id: T0607300351
Status: Open - Eligible for Closure
Status Date: 09/18/2014

Global Id: T0607300351
Status: Completed - Case Closed
Status Date: 08/19/2015

HIST CORTESE:
edr_fname: CALTRANS - DISTRICT 11
edr_fadd1: 1740 ROSECRANS
City,State,Zip: SAN DIEGO, CA 92107
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT1530

NOTIFY 65:
Name: NONE
Address: 1740 ROSECRANS
City,State,Zip: SAN DIEGO, CA 92106-1928
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported

CALTRANS - DISTRICT 11 (Continued) **S100179283**

Global ID: Not reported
Status: Not reported

CERS:
Name: CIRRUS DEVELOPMENT GROUP INC
Address: 1740 ROSECRANS ST
City,State,Zip: SAN DIEGO, CA 921061928
Site ID: 222741
CERS ID: T0607300351
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: TERESA SHERMAN - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

T83
West
1/4-1/2
0.352 mi.
1860 ft.

Relative:
Higher

Actual:
12 ft.

NORTHERN TRUST OF CA, N.A.
1313 ROSECRANS ST
SAN DIEGO, CA 92106

Site 1 of 4 in cluster T

Database(s): **LUST**, **SAN DIEGO CO. SAM**, **San Diego Co. HMMD**, **Cortese**, **SAN DIEGO CO LOP**, **CERS**

EDR ID Number: **S104809649**
EPA ID Number: **N/A**

LUST:
Name: NORTHERN TRUST OF CA, N.A.
Address: 1313 ROSECRANS ST
City,State,Zip: SAN DIEGO, CA 921062609
Lead Agency: SAN DIEGO RWQCB (REGION 9)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607391317
Global Id: T0607391317
Latitude: 32.723934
Longitude: -117.229589
Status: Open - Site Assessment
Status Date: 07/03/2000
Case Worker: LT
RB Case Number: Not reported
Local Agency: Not reported
File Location: Local Agency
Local Case Number: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern: Gasoline
Site History: A permit to install underground storage tanks (USTs) was issued by the City of San Diego Fire Department on July 29, 1955, for a new service station at the corner of Rosecrans and Dickens Streets in the Point Loma area of San Diego. Four USTs were permitted, including one 4,000-gallon gasoline tank, two 3,000-gallon gasoline tanks, and one 550-gallon waste oil tank. Fire department records indicate that the removal of two 3,000-gallon USTs and the installation of one 10,000-gallon gasoline UST were permitted on September 30, 1969, for Shell Oil Company. The records include a permit issued May 22, 1970,

NORTHERN TRUST OF CA, N.A. (Continued) **S104809649**

for installation of a new 6,000-gallon gasoline UST. A sketch map that accompanied the permit depicted the USTs as located in the northern portion of the parcel. The service station remained in operation until 1981 and was subsequently demolished. A one-hour photo shop operated on the site from 1983 to 1989, when a paved parking lot and a banking (ATM) machine occupied the property. A Phase II environmental site assessment was performed at the site in September 2000 in association with a potential real estate transaction. A geophysical survey was performed over the entire parcel in an attempt to locate the USTs; however, no anomalies suggestive of USTs were found. Four borings were advanced to a depth of 15 feet below ground surface (bgs) and soil samples were collected. Analytical results for the samples indicated maximum detected concentrations of gasoline and diesel as 4,200 and 320 milligrams per kilogram (mg/kg), respectively. Benzene, toluene, ethylbenzene, and xylenes (BTEX) were also detected in the soil samples, as well as other volatile organic compounds that are typically associated with gasoline products. Two of the samples collected at a depth of 15 feet bgs were saturated with petroleum hydrocarbons. DEH was notified of the findings, and an unauthorized release case was opened on October 6, 2000. Site assessment activities were also performed in March 2003 when nine borings were advanced at the site to depths of 14 to 23 feet bgs. One of the borings was converted to a groundwater monitoring well. The depth to water was measured as 11.5 feet and a hydrocarbon sheen was observed. Gasoline and benzene were detected in the groundwater sample at concentrations of 29 and 13 milligrams per liter (mg/l), respectively. Work plans were submitted to DEH in May 2004 and in March 2008 for additional soil and groundwater investigation at the site, as well as a soil vapor survey and a human health risk assessment. These work plans were approved on June 15, 2004, and March 27, 2008, respectively. However, no further work has been performed at the site.

LUST:
Global Id: T0607391317
Contact Type: Regional Board Caseworker
Contact Name: LALITHA THOTAKURA
Organization Name: SAN DIEGO RWQCB (REGION 9)
Address: 2375 NORTHSIDE DRIVE, SUITE 100
City: SAN DIEGO
Email: lalitha.thotakura@waterboards.ca.gov
Phone Number: 6195213002

LUST:
Global Id: T0607391317
Action Type: ENFORCEMENT
Date: 10/02/2014
Action: Referral to Regional Board

Global Id: T0607391317
Action Type: ENFORCEMENT
Date: 07/19/2018
Action: Technical Correspondence / Assistance / Other

Global Id: T0607391317
Action Type: Other

NORTHERN TRUST OF CA, N.A. (Continued) **S104809649**

Date: 01/01/1955
Action: Leak Began

Global Id: T0607391317
Action Type: Other
Date: 10/06/2000
Action: Leak Reported

Global Id: T0607391317
Action Type: ENFORCEMENT
Date: 11/08/2000
Action: Notice of Responsibility

Global Id: T0607391317
Action Type: ENFORCEMENT
Date: 06/26/2015
Action: Technical Correspondence / Assistance / Other

Global Id: T0607391317
Action Type: RESPONSE
Date: 12/23/2011
Action: Soil and Water Investigation Workplan - Addendum - Regulator Responded

Global Id: T0607391317
Action Type: RESPONSE
Date: 04/30/2012
Action: Site Assessment Report - Regulator Responded

Global Id: T0607391317
Action Type: RESPONSE
Date: 09/04/2012
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

Global Id: T0607391317
Action Type: RESPONSE
Date: 09/04/2012
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0607391317
Action Type: RESPONSE
Date: 11/09/2016
Action: Site Investigation Workplan - Regulator Responded

Global Id: T0607391317
Action Type: RESPONSE
Date: 03/23/2017
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0607391317
Action Type: ENFORCEMENT
Date: 07/10/2009
Action: Letter - Notice

Global Id: T0607391317
Action Type: ENFORCEMENT
Date: 10/22/2009
Action: Technical Correspondence / Assistance / Other

NORTHERN TRUST OF CA, N.A. (Continued) **S104809649**

Global Id:	T0607391317
Action Type:	ENFORCEMENT
Date:	01/14/2011
Action:	Staff Letter

Global Id:	T0607391317
Action Type:	ENFORCEMENT
Date:	01/13/2011
Action:	Letter - Notice

Global Id:	T0607391317
Action Type:	ENFORCEMENT
Date:	12/07/2016
Action:	Staff Letter

Global Id:	T0607391317
Action Type:	ENFORCEMENT
Date:	07/21/2016
Action:	Technical Correspondence / Assistance / Other

Global Id:	T0607391317
Action Type:	ENFORCEMENT
Date:	06/27/2016
Action:	Technical Correspondence / Assistance / Other

Global Id:	T0607391317
Action Type:	ENFORCEMENT
Date:	08/12/2018
Action:	Technical Correspondence / Assistance / Other

Global Id:	T0607391317
Action Type:	Other
Date:	12/31/1981
Action:	Leak Stopped

Global Id:	T0607391317
Action Type:	ENFORCEMENT
Date:	04/17/2009
Action:	Letter - Notice

Global Id:	T0607391317
Action Type:	ENFORCEMENT
Date:	09/10/2013
Action:	Letter - Notice

Global Id:	T0607391317
Action Type:	ENFORCEMENT
Date:	12/03/2013
Action:	Letter - Notice

Global Id:	T0607391317
Action Type:	ENFORCEMENT
Date:	04/13/2017
Action:	Technical Correspondence / Assistance / Other

Global Id:	T0607391317
Action Type:	ENFORCEMENT

NORTHERN TRUST OF CA, N.A. (Continued) **S104809649**

Date:	08/01/2018
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607391317
Action Type:	ENFORCEMENT
Date:	04/03/2018
Action:	Clean Up Fund - Case Closure Review Summary Report (RSR)
Global Id:	T0607391317
Action Type:	ENFORCEMENT
Date:	02/27/2019
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607391317
Action Type:	RESPONSE
Date:	11/14/2014
Action:	Other Report / Document
Global Id:	T0607391317
Action Type:	ENFORCEMENT
Date:	08/13/2014
Action:	Letter - Notice
Global Id:	T0607391317
Action Type:	ENFORCEMENT
Date:	06/12/2017
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607391317
Action Type:	ENFORCEMENT
Date:	08/09/2018
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607391317
Action Type:	ENFORCEMENT
Date:	07/19/2018
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607391317
Action Type:	ENFORCEMENT
Date:	07/31/2018
Action:	Other Report
Global Id:	T0607391317
Action Type:	ENFORCEMENT
Date:	04/08/2019
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607391317
Action Type:	ENFORCEMENT
Date:	03/25/2011
Action:	Clean Up Fund - Case Closure Review Summary Report (RSR)
Global Id:	T0607391317
Action Type:	ENFORCEMENT
Date:	03/07/2012
Action:	Clean Up Fund - Case Closure Review Summary Report (RSR)

NORTHERN TRUST OF CA, N.A. (Continued) **S104809649**

Global Id: T0607391317
Action Type: Other
Date: 01/01/1955
Action: Leak Discovery

Global Id: T0607391317
Action Type: RESPONSE
Date: 02/10/2011
Action: Verbal Communication

LUST:
Global Id: T0607391317
Status: Open - Case Begin Date
Status Date: 12/31/1981

Global Id: T0607391317
Status: Open - Site Assessment
Status Date: 07/03/2000

SAN DIEGO CO. SAM:
Name: NORTHERN TRUST OF CA, N.A.
Address: 1313 ROSECRANS ST
City,State,Zip: SAN DIEGO, CA 921062609
Case Number: H28538-001
Agency: DEH Site Assessment & Mitigation
Funding: LOP - State Fund
Facility Type: Soils Only
Facility Status: Preliminary Assessment
Date: 10/17/2000
Date Began: 1/1/1955

HMMD SAN DIEGO:
Name: NORTHERN TRUST OF CA, N.A.
Address: 1313 ROSECRANS ST
City,State,Zip: SAN DIEGO, CA 92106
Permit Number: 128538
Business Type: Not reported
EPA Id Number: Not reported
APN: 531-341-02-00
Last HMMD Inspection: 07/12/1988
Facility Telephone: 619-224-8227
Permit Status: INAC
Permit Expiration: 07/12/1988
Date Last Updated: 11/02/2012
Facility Owner: QSS ONE HOUR PHOTO
Facility Mailing Address: 1313 ROSECRANS ST
Facility Mailing City: SAN DIEGO
Facility Mailing State: CA
Facility Mailing Zip: 92106-2609
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported

NORTHERN TRUST OF CA, N.A. (Continued) **S104809649**

Generate Medical Waste: Not reported

CORTESE:

Name:	NORTHERN TRUST OF CA, N.A.
Address:	1313 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921062609
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607391317
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	OPEN - SITE ASSESSMENT
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

SAN DIEGO CO LOP:

Name:	NORTHERN TRUST OF CA, N.A.
Address:	1313 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Record ID:	DEH2000-LSAM-H28538-001
Record Status:	Completed
Opened Date:	10/06/2000
Parcel Number:	531-341-02-00
Case Type:	LOP - Local Oversight Program
Historical Name:	NORTHERN TRUST PROPERTY
SWRCB Global ID:	T0607391317
Funding:	S - LOP State Fund
Lead Agency:	RWQCB
Lead Agency Date:	09/25/2014
Census Tract:	214.00
Community:	San Diego
Jurisdiction:	SAN DIEGO
Watershed Basin Number:	908.1
Water Purveyor:	SAN DIEGO
Fire Agency:	SAN DIEGO
Latitude:	32.7238013
Longitude:	-117.2294934
X MapCoord:	6260425.335
Y MapCoord:	1844557.016

CERS:

Name:	NORTHERN TRUST OF CA, N.A.
Address:	1313 ROSECRANS ST

NORTHERN TRUST OF CA, N.A. (Continued) **S104809649**

City,State,Zip:	SAN DIEGO, CA 921062609
Site ID:	191513
CERS ID:	T0607391317
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	LALITHA THOTAKURA - SAN DIEGO RWQCB (REGION 9)
Entity Title:	Not reported
Affiliation Address:	2375 NORTHSIDE DRIVE, SUITE 100
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6195213002,

T84 **ONE HOUR PHOTO** **LUST** **S104816341**
West **1313 ROSECRANS STREET** **N/A**
1/4-1/2 **SAN DIEGO, CA 92106**
0.352 mi.
1860 ft. **Site 2 of 4 in cluster T**

Relative:
Higher

Actual:
12 ft.

LUST REG 9:

Region:	9
Status:	Preliminary site assessment workplan submitted
Case Number:	9UT4099
Local Case:	H28538-001
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Other Means
Source:	Tank
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	10/17/2000
Date Stopped:	10/17/2000
Confirm Date:	/ /
Submit Workplan:	11/8/00
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	10/17/2000
Enforce Date:	Not reported
Closed Date:	Not reported
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	‘908.21
GW Depth:	Not reported
Beneficial Use:	NONBU
NPDES Number:	Not reported
Priority:	Not reported
File Dispn:	Administratively opened on database, however no file physically exists

ONE HOUR PHOTO (Continued) **S104816341**

Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

T85
West
1/4-1/2
0.394 mi.
2079 ft.

RETAIL BUILDING
1276-78 ROSECRANS STREET
SAN DIEGO, CA 92106

Site 3 of 4 in cluster T

ENVIROSTOR **S106893845**
N/A

Relative:
Higher

Actual:
17 ft.

ENVIROSTOR:
Name: RETAIL BUILDING
Address: 1276-78 ROSECRANS STREET
City,State,Zip: SAN DIEGO, CA 92106
Facility ID: 37150012
Status: Refer: 1248 Local Agency
Status Date: 08/02/2000
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0
NPL: NO
Regulatory Agencies: SAN DIEGO COUNTY
Lead Agency: SAN DIEGO COUNTY
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 76
Senate: Not reported
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 32.72350
Longitude: -117.2301
APN: 53132306
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 53132306
Alias Type: APN
Alias Name: 37150012
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: SB 1248 Notification
Completed Date: 08/02/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported

RETAIL BUILDING (Continued) **S106893845**

Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

T86
West
1/4-1/2
0.394 mi.
2079 ft.

FETTER COMMERCIAL PROPERTY
1276-1278 ROSECRANS ST
SAN DIEGO, CA 92106

Site 4 of 4 in cluster T

CPS-SLIC
CERS

S106915960
N/A

Relative:
Higher

Actual:
17 ft.

CPS-SLIC:

Name:	FETTER COMMERCIAL PROPERTY
Address:	1276-1278 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	08/30/2000
Global Id:	T0608150384
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H39134-001
Latitude:	32.7236621584433
Longitude:	-117.23029356375
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

CERS:

Name:	FETTER COMMERCIAL PROPERTY
Address:	1276-1278 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Site ID:	214682
CERS ID:	T0608150384
CERS Description:	Cleanup Program Site

U87
West
1/4-1/2
0.404 mi.
2132 ft.

AUTOHAUS FRANKFURT
1221 ROSECRANS ST
SAN DIEGO, CA 92106

Site 1 of 3 in cluster U

SAN DIEGO CO. SAM
LUST
San Diego Co. HMMD
SWEEPS UST
Cortese
HAZNET
HIST CORTESE
SAN DIEGO CO LOP
CERS
HWTS

S100855792
N/A

Relative:
Higher

Actual:
18 ft.

SAN DIEGO CO. SAM:

Name:	AUTOHAUS FRANKFURT
Address:	1221 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921062631

AUTOHAUS FRANKFURT (Continued) **S100855792**

Case Number:	H13536-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	GW With No Beneficial Use Designation
Facility Status:	Closed Case
Date:	5/18/2004
Date Began:	9/22/1989

LUST:

Name:	AUTOHAUS FRANKFURT
Address:	1221 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921062631
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300382
Global Id:	T0607300382
Latitude:	32.7228987228404
Longitude:	-117.230225801468
Status:	Completed - Case Closed
Status Date:	05/18/2004
Case Worker:	Not reported
RB Case Number:	9UT1562
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	H13536-001
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

LUST:

Global Id:	T0607300382
Action Type:	ENFORCEMENT
Date:	11/03/1989
Action:	Notice of Responsibility

Global Id:	T0607300382
Action Type:	Other
Date:	11/03/1989
Action:	Leak Reported

Global Id:	T0607300382
Action Type:	Other
Date:	09/22/1989
Action:	Leak Began

Global Id:	T0607300382
Action Type:	Other
Date:	09/22/1989
Action:	Leak Stopped

Global Id:	T0607300382
Action Type:	ENFORCEMENT
Date:	05/18/2004
Action:	Closure/No Further Action Letter

Global Id:	T0607300382
Action Type:	Other

AUTOHAUS FRANKFURT (Continued) **S100855792**

Date:	09/22/1989
Action:	Leak Discovery

LUST:

Global Id:	T0607300382
Status:	Open - Case Begin Date
Status Date:	09/22/1989
Global Id:	T0607300382
Status:	Completed - Case Closed
Status Date:	05/18/2004

LUST REG 9:

Region:	9
Status:	Preliminary site assessment underway
Case Number:	9UT1562
Local Case:	H13536-001
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Other ground water affected
Date Found:	09/26/1989
Date Stopped:	09/22/1989
Confirm Date:	09/26/1989
Submit Workplan:	Not reported
Prelim Assess:	03/23/1990
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	09/26/1989
Enforce Date:	11/3/89
Closed Date:	Not reported
Enforce Type:	SEL
Pilot Program:	LOP
Basin Number:	908.21
GW Depth:	16
Beneficial Use:	NBNB/E
NPDES Number:	Not reported
Priority:	1B
File Dispn:	File discarded, case closed
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

HMMD SAN DIEGO:

Name:	AUTOHAUS FRANKFURT
Address:	1221 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106

AUTOHAUS FRANKFURT (Continued) **S100855792**

Permit Number:	113536
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	531-325-13-00
Last HMMD Inspection:	10/11/1988
Facility Telephone:	226-0903
Permit Status:	INAC
Permit Expiration:	Not reported
Date Last Updated:	11/02/2012
Facility Owner:	WALLY SCHWAIA
Facility Mailing Address:	1221 ROSECRANS ST
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92106-2631
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 113536 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	113536
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	280
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1989-09-26 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 113536 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	113536
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	4000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1989-09-26 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 113536 T003

AUTOHAUS FRANKFURT (Continued) **S100855792**

Last Update:	2012-11-02 14:17:38
Permit Number:	113536
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	4000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1989-09-26 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SWEEPS UST:

Name:	AUTOHAUS FRANKFURT
Address:	1221 ROSECRANS ST
City:	SAN DIEGO
Status:	Not reported
Comp Number:	13536
Number:	Not reported
Board Of Equalization:	44-022803
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013536-000001
Tank Status:	Not reported
Capacity:	280
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	WASTE
Content:	Not reported
Number Of Tanks:	3

Name:	AUTOHAUS FRANKFURT
Address:	1221 ROSECRANS ST
City:	SAN DIEGO
Status:	Not reported
Comp Number:	13536
Number:	Not reported
Board Of Equalization:	44-022803
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013536-000002
Tank Status:	Not reported
Capacity:	4000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

AUTOHAUS FRANKFURT (Continued) **S100855792**

Name:	AUTOHAUS FRANKFURT
Address:	1221 ROSECRANS ST
City:	SAN DIEGO
Status:	Not reported
Comp Number:	13536
Number:	Not reported
Board Of Equalization:	44-022803
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013536-000003
Tank Status:	Not reported
Capacity:	4000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

Name:	AUTOHAUS FRANKFURT
Address:	1221 ROSECRANS ST
City:	SAN DIEGO
Status:	Active
Comp Number:	13536
Number:	9
Board Of Equalization:	44-022803
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

CORTESE:

Name:	AUTOHAUS FRANKFURT
Address:	1221 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921062631
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607300382
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active

AUTOHAUS FRANKFURT (Continued) **S100855792**

Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HAZNET:

Name:	AUTOHAUS FRANKFURT
Address:	1221 ROSECRANS ST
Address 2:	Not reported
City,State,Zip:	SAN DIEGO, CA 921062631
Contact:	UNDELIVERABLE FEE FORM 4-94
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	1221 ROSECRANS
Year:	2004
Gepaid:	CAL000018157
TSD EPA ID:	CAD028409019
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H01 - Transfer Station
Tons:	0.1815
Year:	2001
Gepaid:	CAL000018157
TSD EPA ID:	CAD008252405
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	R01 - Recycler
Tons:	0.187
Year:	2000
Gepaid:	CAL000018157
TSD EPA ID:	CAT080013352
CA Waste Code:	133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method:	R01 - Recycler
Tons:	0.4587
Year:	1999
Gepaid:	CAL000018157
TSD EPA ID:	CAT080013352
CA Waste Code:	133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method:	R01 - Recycler
Tons:	0.4587
Year:	1999
Gepaid:	CAL000018157
TSD EPA ID:	CAT080013352
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	R01 - Recycler
Tons:	0.462
Year:	1998
Gepaid:	CAL000018157

AUTOHAUS FRANKFURT (Continued) **S100855792**

TSD EPA ID:	CAT080013352
CA Waste Code:	133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method:	R01 - Recycler
Tons:	0.4378
Year:	1997
Gepaid:	CAL000018157
TSD EPA ID:	CAT080013352
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	R01 - Recycler
Tons:	0.504
Year:	1996
Gepaid:	CAL000018157
TSD EPA ID:	CAT080013352
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	R01 - Recycler
Tons:	0.546
Year:	1995
Gepaid:	CAL000018157
TSD EPA ID:	CAT080013352
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	R01 - Recycler
Tons:	0.462
Year:	1993
Gepaid:	CAL000018157
TSD EPA ID:	CAT000613893
CA Waste Code:	341 - Organic liquids (nonsolvents) with halogens
Disposal Method:	H01 - Transfer Station
Tons:	0.11

Click this hyperlink while viewing on your computer to access
1 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2004
Gen EPA ID:	CAL000018157
Shipment Date:	20041109
Creation Date:	2/17/2005 18:32:22
Receipt Date:	20041119
Manifest ID:	23486870
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1815

AUTOHAUS FRANKFURT (Continued) **S100855792**

Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1996
Gen EPA ID:	CAL000018157
Shipment Date:	19961206
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19961209
Manifest ID:	96347116
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.252
Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960722
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19960723
Manifest ID:	95808180
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.294
Waste Quantity:	70
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

AUTOHAUS FRANKFURT (Continued) **S100855792**

Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1993
Gen EPA ID:	CAL000018157
Shipment Date:	19930311
Creation Date:	9/1/1995 0:00:00
Receipt Date:	19930318
Manifest ID:	92414236
Trans EPA ID:	ILD051060408
Trans Name:	Not reported
Trans 2 EPA ID:	ILD051060408
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	341 - Organic liquids (nonsolvents) with halogens
RCRA Code:	D008
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.11
Waste Quantity:	220
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2000
Gen EPA ID:	CAL000018157
Shipment Date:	20000630
Creation Date:	9/11/2000 0:00:00
Receipt Date:	20000705
Manifest ID:	20234830
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

AUTOHAUS FRANKFURT (Continued) **S100855792**

Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAL000018157
Shipment Date:	20010816
Creation Date:	11/1/2001 0:00:00
Receipt Date:	20010828
Manifest ID:	21195357
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1997
Gen EPA ID:	CAL000018157
Shipment Date:	19970918
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970919
Manifest ID:	96806161
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.252
Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

AUTOHAUS FRANKFURT (Continued) **S100855792**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970508
Creation Date:	7/17/1997 0:00:00
Receipt Date:	19970508
Manifest ID:	96789525
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.252
Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAL000018157
Shipment Date:	19951115
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951117
Manifest ID:	95489045
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950615
Creation Date:	4/2/1996 0:00:00

AUTOHAUS FRANKFURT (Continued) **S100855792**

Receipt Date: 19950617
Manifest ID: 95619659
Trans EPA ID: CAD040370645
Trans Name: Not reported
Trans 2 EPA ID: CAD040370645
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352
Trans Name: Not reported
TSDF Alt EPA ID: CAT080013352
TSDF Alt Name: Not reported
Waste Code Description: 135 - Unspecified aqueous solution
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 0.231
Waste Quantity: 55
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1999
Gen EPA ID: CAL000018157

Shipment Date: 19991227
Creation Date: 2/15/2000 0:00:00
Receipt Date: 19991228
Manifest ID: 99132206
Trans EPA ID: CAD028277036
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 0.462
Waste Quantity: 110
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19990121
Creation Date: 3/17/1999 0:00:00
Receipt Date: 19990122
Manifest ID: 98501745
Trans EPA ID: CAD028277036
Trans Name: Not reported
Trans 2 EPA ID: Not reported

AUTOHAUS FRANKFURT (Continued) **S100855792**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1998
Gen EPA ID:	CAL000018157

Shipment Date:	19980624
Creation Date:	9/3/1998 0:00:00
Receipt Date:	19980624
Manifest ID:	98163277
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980226
Creation Date:	5/8/1998 0:00:00
Receipt Date:	19980226
Manifest ID:	96829553
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported

AUTOHAUS FRANKFURT (Continued) **S100855792**

Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HIST CORTESE:

edr_fname:	AUTOHAUS FRANKFURT
edr_fadd1:	1221 ROSECRANS
City,State,Zip:	SAN DIEGO, CA 92106
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1562

SAN DIEGO CO LOP:

Name:	AUTOHAUS FRANKFURT
Address:	1221 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Record ID:	DEH1989-LSAM-H13536-001
Record Status:	Completed
Opened Date:	11/03/1989
Parcel Number:	531-325-13-00
Case Type:	LOP - Local Oversight Program
Historical Name:	AUTOHAUS FRANKFURT
SWRCB Global ID:	T0607300382
Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	09/22/1989
Census Tract:	214.00
Community:	San Diego
Jurisdiction:	SAN DIEGO
Watershed Basin Number:	908.1
Water Purveyor:	SAN DIEGO
Fire Agency:	SAN DIEGO
Latitude:	32.7228069
Longitude:	-117.2303305
X MapCoord:	6260157.872
Y MapCoord:	1844188.485

CERS:

Name:	AUTOHAUS FRANKFURT
Address:	1221 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921062631
Site ID:	214746
CERS ID:	T0607300382
CERS Description:	Leaking Underground Storage Tank Cleanup Site

HWTS:

AUTOHAUS FRANKFURT (Continued) **S100855792**

Name:	AUTOHAUS FRANKFURT
Address:	1221 ROSECRANS ST
Address 2:	Not reported
City,State,Zip:	SAN DIEGO, CA 92106
EPA ID:	CAL000018157
Inactive Date:	06/30/2002
Create Date:	11/14/1989
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	1221 ROSECRANS
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN DIEGO, CA 921060000
Owner Name:	SCHWAIA WALLY
Owner Address:	Not reported
Owner Address 2:	Not reported
Owner City,State,Zip:	Not reported
Contact Name:	UNDELIVERABLE FEE FORM 4-94
Contact Address:	INACT PER NONDEL 00VQ - CR
Contact Address 2:	Not reported
City,State,Zip:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	32.722812
Longitude:	-117.230732

88
WSW **ADDISON & SHAFTER**
1/4-1/2 **SAN DIEGO, CA**
0.404 mi.
2133 ft.

Notify 65 **S100178358**
N/A

Relative:
Higher

Actual:
12 ft.

NOTIFY 65:

Name:	Not reported
Address:	ADDISON & SHAFTER
City,State,Zip:	SAN DIEGO, CA
Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported
Global ID:	Not reported
Status:	Not reported

V89 **7-ELEVEN STORE #22872**
NNW **1826 ROSECRANS**
1/4-1/2 **SAN DIEGO, CA 92107**
0.404 mi.
2135 ft. **Site 1 of 6 in cluster V**

LUST
San Diego Co. HMMD
CERS HAZ WASTE
CERS TANKS
HIST CORTESE
SAN DIEGO CO LOP
CERS

S103637430
N/A

Relative:
Higher

Actual:
22 ft.

LUST:

Name:	7-ELEVEN FOOD STORE #22872

7-ELEVEN STORE #22872 (Continued) **S103637430**

Address:	1826 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921061929
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607302653
Global Id:	T0607302653
Latitude:	32.7302265
Longitude:	-117.2248121
Status:	Open - Remediation
Status Date:	10/18/1999
Case Worker:	LT
RB Case Number:	9UT3892
Local Agency:	Not reported
File Location:	Regional Board
Local Case Number:	Not reported
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	On July 2, 1998 product piping was upgraded at the site. Soil samples collected during upgrades indicated elevated level of petroleum hydrocarbons. As a result, Unauthorized Release H21118-001 was opened. Please see submitted ESI data for further details.

LUST:

Global Id:	T0607302653
Contact Type:	Regional Board Caseworker
Contact Name:	LALITHA THOTAKURA
Organization Name:	SAN DIEGO RWQCB (REGION 9)
Address:	2375 NORTHSIDE DRIVE, SUITE 100
City:	SAN DIEGO
Email:	lalitha.thotakura@waterboards.ca.gov
Phone Number:	6195213002

LUST:

Global Id:	T0607302653
Action Type:	ENFORCEMENT
Date:	09/27/2011
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607302653
Action Type:	ENFORCEMENT
Date:	06/10/2015
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607302653
Action Type:	ENFORCEMENT
Date:	06/09/2020
Action:	Clean Up Fund - Case Closure Review Summary Report (RSR)
Global Id:	T0607302653
Action Type:	ENFORCEMENT
Date:	06/27/2019
Action:	Referral to Regional Board
Global Id:	T0607302653
Action Type:	Other
Date:	07/02/1998
Action:	Leak Began

7-ELEVEN STORE #22872 (Continued) **S103637430**

Global Id:	T0607302653
Action Type:	Other
Date:	10/07/1998
Action:	Leak Reported
Global Id:	T0607302653
Action Type:	RESPONSE
Date:	04/30/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0607302653
Action Type:	RESPONSE
Date:	10/31/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0607302653
Action Type:	RESPONSE
Date:	07/30/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0607302653
Action Type:	RESPONSE
Date:	04/30/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607302653
Action Type:	RESPONSE
Date:	05/06/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607302653
Action Type:	RESPONSE
Date:	08/26/2016
Action:	Site Assessment Report - Regulator Responded
Global Id:	T0607302653
Action Type:	ENFORCEMENT
Date:	05/03/1999
Action:	Notice of Responsibility
Global Id:	T0607302653
Action Type:	ENFORCEMENT
Date:	01/27/2016
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607302653
Action Type:	ENFORCEMENT
Date:	06/27/2019
Action:	Referral to Regional Board
Global Id:	T0607302653
Action Type:	RESPONSE
Date:	10/11/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607302653
Action Type:	RESPONSE

7-ELEVEN STORE #22872 (Continued) **S103637430**

Date:	10/28/2021
Action:	Other Report / Document
Global Id:	T0607302653
Action Type:	RESPONSE
Date:	10/26/2016
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607302653
Action Type:	RESPONSE
Date:	04/28/2020
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607302653
Action Type:	RESPONSE
Date:	07/12/2021
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607302653
Action Type:	RESPONSE
Date:	12/23/2020
Action:	Correspondence
Global Id:	T0607302653
Action Type:	RESPONSE
Date:	10/28/2021
Action:	Other Report / Document
Global Id:	T0607302653
Action Type:	RESPONSE
Date:	10/28/2021
Action:	Other Report / Document
Global Id:	T0607302653
Action Type:	RESPONSE
Date:	04/25/2013
Action:	Other Workplan - Regulator Responded
Global Id:	T0607302653
Action Type:	RESPONSE
Date:	12/20/2013
Action:	Risk Assessment Report - Regulator Responded
Global Id:	T0607302653
Action Type:	RESPONSE
Date:	04/14/2015
Action:	Monitoring Report - Semi-Annually - Regulator Responded
Global Id:	T0607302653
Action Type:	RESPONSE
Date:	05/28/2014
Action:	Interim Remedial Action Plan - Regulator Responded
Global Id:	T0607302653
Action Type:	RESPONSE
Date:	10/30/2015
Action:	Monitoring Report - Quarterly - Regulator Responded

7-ELEVEN STORE #22872 (Continued) **S103637430**

Global Id:	T0607302653
Action Type:	ENFORCEMENT
Date:	07/09/2009
Action:	Letter - Notice
Global Id:	T0607302653
Action Type:	ENFORCEMENT
Date:	10/27/2016
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607302653
Action Type:	ENFORCEMENT
Date:	12/14/2015
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607302653
Action Type:	ENFORCEMENT
Date:	04/13/2017
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607302653
Action Type:	Other
Date:	07/02/1998
Action:	Leak Stopped
Global Id:	T0607302653
Action Type:	RESPONSE
Date:	04/30/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607302653
Action Type:	RESPONSE
Date:	10/27/2017
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607302653
Action Type:	RESPONSE
Date:	10/31/2019
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607302653
Action Type:	RESPONSE
Date:	12/11/2020
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607302653
Action Type:	RESPONSE
Date:	01/26/2017
Action:	Monitoring Report - Quarterly
Global Id:	T0607302653
Action Type:	RESPONSE
Date:	07/30/2018
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607302653
Action Type:	ENFORCEMENT

7-ELEVEN STORE #22872 (Continued) **S103637430**

Date: 04/08/2020
Action: Email Correspondence

Global Id: T0607302653
Action Type: ENFORCEMENT
Date: 04/25/2022
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0607302653
Action Type: RESPONSE
Date: 04/30/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0607302653
Action Type: RESPONSE
Date: 10/31/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0607302653
Action Type: RESPONSE
Date: 09/04/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0607302653
Action Type: RESPONSE
Date: 04/18/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0607302653
Action Type: RESPONSE
Date: 04/03/2017
Action: Monitoring Report - Semi-Annually

Global Id: T0607302653
Action Type: RESPONSE
Date: 04/30/2019
Action: Monitoring Report - Semi-Annually

Global Id: T0607302653
Action Type: RESPONSE
Date: 01/30/2019
Action: Monitoring Report - Semi-Annually

Global Id: T0607302653
Action Type: RESPONSE
Date: 12/23/2020
Action: Correspondence

Global Id: T0607302653
Action Type: ENFORCEMENT
Date: 04/06/2020
Action: Verbal Communication

Global Id: T0607302653
Action Type: Other
Date: 07/02/1998
Action: Leak Discovery

7-ELEVEN STORE #22872 (Continued) **S103637430**

Global Id:	T0607302653
Action Type:	RESPONSE
Date:	10/31/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607302653
Action Type:	RESPONSE
Date:	09/16/2013
Action:	Monitoring Report - Semi-Annually

LUST:

Global Id:	T0607302653
Status:	Open - Case Begin Date
Status Date:	07/02/1998
Global Id:	T0607302653
Status:	Open - Remediation
Status Date:	10/18/1999

HMMD SAN DIEGO:

Name:	7-ELEVEN INC #22872
Address:	1826 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAD981407059
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	619-222-9916
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	01/07/2022
Facility Owner:	Not reported
Facility Mailing Address:	PO BOX 711, ATTN: ENVIRONMENTAL DEPARTMENT, DALLAS, TX 75221
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	Y
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2002-HUPFP-121118
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-121118
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6621005
Return To Compliance Date:	2020-11-16T00:00:00.000
Nov:	No
Violation Classification:	Class II

7-ELEVEN STORE #22872 (Continued) **S103637430**

Underground Storage Tank Id: 32336
Container/Tank Id: Not reported
Last Update: 2022-01-07T01:57:16.000
Inspection Date: 2020-11-16T14:55:00.000
Violation Code: 2030025 (TCR 9d) Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly. with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping when a leak is detected. 23 CCR 2636(f)(2)

UST DTL:
Record ID: DEH2002-HUPFP-121118
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-121118
Facility Type (Ust Facility): Motor Vehicle Fueling
Tank Owner Name: MAHMOOD (MIKE) & SHIRIN MOJTEHEDI
Tankid: 32336
Tank Status: Active
Date Ust Permanently Closed: Not reported
Tank Use: 1a
Piping System Type: Pressure
Last Updated: 2022-01-07T01:57:23.000
Tank Capacityin Gallons: 10000
Tank Contents: Premium Unleaded
Type Of Tank: Double Wall

Record ID: DEH2002-HUPFP-121118
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-121118
Facility Type (Ust Facility): Motor Vehicle Fueling
Tank Owner Name: MAHMOOD (MIKE) & SHIRIN MOJTEHEDI
Tankid: 32337
Tank Status: Active
Date Ust Permanently Closed: Not reported
Tank Use: 1a
Piping System Type: Pressure
Last Updated: 2022-01-07T01:57:23.000
Tank Capacityin Gallons: 15000
Tank Contents: Regular Unleaded
Type Of Tank: Double Wall

Waste and Materials:
Record ID: DEH2002-HUPFP-121118
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0131210
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-17T09:39:50.000
Chemical Name: GASOLINE
Common Name: GASOLINE (GRADES: REGULAR AND PREMIUM)
Case Number: 8006-61-9

7-ELEVEN STORE #22872 (Continued) **S103637430**

Record ID:	DEH2002-HUPFP-121118
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0131211
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-01-17T09:39:50.000
Chemical Name:	CARBON DIOXIDE
Common Name:	CARBON DIOXIDE, REFRIGERATED LIQUID
Case Number:	124-38-9

Record ID:	DEH2002-HUPFP-121118
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0109654
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-01-17T09:39:50.000
Chemical Name:	WASTE ABSORBENT & SPENT DISPENSER FUEL FILTERS
Common Name:	WASTE ABSORBENT & SPENT DISPENSER FUEL FILTERS
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-121118
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HCHEM-0289100
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:57:23.000
Chemical Name:	GASOLINE
Common Name:	GASOLINE (GRADES: REGULAR AND PREMIUM)
Case Number:	8006-61-9

Record ID:	DEH2002-HUPFP-121118
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HCHEM-0289101
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2022-01-07T01:57:23.000
Chemical Name:	CARBON DIOXIDE
Common Name:	CARBON DIOXIDE, REFRIGERATED LIQUID
Case Number:	124-38-9

Record ID:	DEH2002-HUPFP-121118
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0257962
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2022-01-07T01:57:23.000
Chemical Name:	WASTE ABSORBENT & SPENT DISPENSER FUEL FILTERS
Common Name:	WASTE ABSORBENT & SPENT DISPENSER FUEL FILTERS
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-121118
Permit Status:	Permit Renewed

7-ELEVEN STORE #22872 (Continued) **S103637430**

Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0257963
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2022-01-07T01:57:23.000
Chemical Name:	SUMP WASTE CLEAN-UP, TEST WATER
Common Name:	SUMP WASTE CLEAN-UP, TEST WATER
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-121118
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0109655
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-01-17T09:39:50.000
Chemical Name:	SUMP WASTE CLEAN-UP, TEST WATER
Common Name:	SUMP WASTE CLEAN-UP, TEST WATER
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-121118
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0178495
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-02-08T01:03:52.000
Chemical Name:	GASOLINE
Common Name:	GASOLINE (GRADES: REGULAR AND PREMIUM)
Case Number:	8006-61-9

Record ID:	DEH2002-HUPFP-121118
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0178496
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2019-02-08T01:03:52.000
Chemical Name:	CARBON DIOXIDE
Common Name:	CARBON DIOXIDE, REFRIGERATED LIQUID
Case Number:	124-38-9

Record ID:	DEH2002-HUPFP-121118
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0152992
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-02-08T01:03:53.000
Chemical Name:	WASTE ABSORBENT & SPENT DISPENSER FUEL FILTERS
Common Name:	WASTE ABSORBENT & SPENT DISPENSER FUEL FILTERS
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-121118
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0152993

7-ELEVEN STORE #22872 (Continued) **S103637430**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-02-08T01:03:53.000
Chemical Name: SUMP WASTE CLEAN-UP, TEST WATER
Common Name: SUMP WASTE CLEAN-UP, TEST WATER
Case Number: Not reported

Record ID: DEH2002-HUPFP-121118
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0216240
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-03-06T04:49:33.000
Chemical Name: GASOLINE
Common Name: GASOLINE (GRADES: REGULAR AND PREMIUM)
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-121118
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0216241
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-03-06T04:49:33.000
Chemical Name: CARBON DIOXIDE
Common Name: CARBON DIOXIDE, REFRIGERATED LIQUID
Case Number: 124-38-9

Record ID: DEH2002-HUPFP-121118
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0186485
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-06T04:49:33.000
Chemical Name: WASTE ABSORBENT & SPENT DISPENSER FUEL FILTERS
Common Name: WASTE ABSORBENT & SPENT DISPENSER FUEL FILTERS
Case Number: Not reported

Record ID: DEH2002-HUPFP-121118
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0186486
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-06T04:49:33.000
Chemical Name: SUMP WASTE CLEAN-UP, TEST WATER
Common Name: SUMP WASTE CLEAN-UP, TEST WATER
Case Number: Not reported

Name: 7-ELEVEN #22872
Address: 1826 ROSECRANS ST
City,State,Zip: SAN DIEGO, CA 92106
Permit Number: 121118
Business Type: 6HK28

7-ELEVEN STORE #22872 (Continued) **S103637430**

EPA Id Number:	CAD981407059
APN:	530-342-06-00
Last HMMD Inspection:	12/16/2011
Facility Telephone:	619-222-9916
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	7-ELEVEN, INC.#22872
Facility Mailing Address:	P O BOX 711
Facility Mailing City:	DALLAS
Facility Mailing State:	TX
Facility Mailing Zip:	75221-
UST Owner:	7-ELEVEN INC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	121118
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	PREMIUM UNLEADED
Other Information:	UNDERGROUND TANK 121118 T004
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	121118
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 121118 T005
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	121118
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 134 AQUEOUS SOL’N W/LESS 10% ORG
Other Information:	WATER & FUEL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	121118
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	FUEL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

7-ELEVEN STORE #22872 (Continued) **S103637430**

Violations Active Permits:

Permit Number:	121118
Update Date:	11/02/2012
Inspection Date:	12/09/2004
Violation Code:	6HV3102
Violation:	OPER. PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current Operating Permit not available at facility. 25284(a), 25286(a); 2712(i); 68.1003
Activity:	ACTIVE

Permit Number:	121118
Update Date:	11/02/2012
Inspection Date:	12/09/2004
Violation Code:	6HV3106
Violation:	NO OWNER/OPERATOR AGREEMENT
Violation Citation:	Owner/operator agreement not available/complete/submitted to HMD. 25284(a)(3); 2620(b)
Activity:	ACTIVE

Permit Number:	121118
Update Date:	11/02/2012
Inspection Date:	12/09/2004
Violation Code:	6HV3115
Violation:	NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation:	Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity:	ACTIVE

Permit Number:	121118
Update Date:	11/02/2012
Inspection Date:	12/09/2004
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE

Permit Number:	121118
Update Date:	11/02/2012
Inspection Date:	12/09/2004
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE

Permit Number:	121118
Update Date:	11/02/2012
Inspection Date:	03/24/2003
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE

7-ELEVEN STORE #22872 (Continued) **S103637430**

Permit Number: 121118
Update Date: 11/02/2012
Inspection Date: 03/24/2003
Violation Code: 6HV3107
Violation: MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation: Monitoring procedures not available/complete/submitted to HMD 2632(b)&(d), 2634(d), 2641(h), 2711(a)(9)
Activity: ACTIVE

Permit Number: 121118
Update Date: 11/02/2012
Inspection Date: 03/24/2003
Violation Code: 6HV3109
Violation: NO SCALED PLOT PLAN AVAIL/TO HMD
Violation Citation: Scaled Plot plan showing tank, piping & equipment location not available/complete/submitted to HMD. 2711(a)(8), 2632(d)(1) (C)
Activity: ACTIVE

Permit Number: 121118
Update Date: 11/02/2012
Inspection Date: 03/24/2003
Violation Code: 6HV3112
Violation: 2NDRY CONT TEST NOT DONE (6/36 MOS.)
Violation Citation: Secondary containment testing not conducted at 6months/36 months. 25284.1; 2637(a)
Activity: ACTIVE

Permit Number: 121118
Update Date: 11/02/2012
Inspection Date: 03/24/2003
Violation Code: 6HV3152
Violation: ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation: All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity: ACTIVE

Permit Number: 121118
Update Date: 11/02/2012
Inspection Date: 03/24/2003
Violation Code: 6HV3158
Violation: ALL OPERATING CONDITIONS NOT MET
Violation Citation: All permit operating conditions not met. 25284; 2712
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 121118 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 121118
Tank Type: SINGLE WALL
Additional Id: RT1002 UNLEADED FUEL/NT2393
Capacity Gallons: 10000
UST Contents: PREMIUM UNLEADED
Other Content Info: PREMIUM UNLEADED
Reg Status: REMOVED
Remove Close Date: 2003-11-04 00:00:00
Year Installed: 1981-01-01 00:00:00
Pipe Type: DOUBLE WALL

7-ELEVEN STORE #22872 (Continued) **S103637430**

Delivery System:	PRESSURE
Monitor Code:	15
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ SHUTOFF AND ALARM ON LLD AND CERTIFIED ATG: IN-TANK TEST MONTHLY
UST Name:	UNDERGROUND TANK 121118 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	121118
Tank Type:	SINGLE WALL
Additional Id:	RT1002 UNLEADED FUEL/NT2393
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2003-11-04 00:00:00
Year Installed:	1981-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	15
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ SHUTOFF AND ALARM ON LLD AND CERTIFIED ATG: IN-TANK TEST MONTHLY
UST Name:	UNDERGROUND TANK 121118 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	121118
Tank Type:	SINGLE WALL
Additional Id:	RT1002 UNLEADED FUEL/NT2393
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2003-11-04 00:00:00
Year Installed:	1981-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	15
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ SHUTOFF AND ALARM ON LLD AND CERTIFIED ATG: IN-TANK TEST MONTHLY
UST Name:	UNDERGROUND TANK 121118 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	121118
Tank Type:	DOUBLE WALL
Additional Id:	NT2393 (POST JULY 1, 2003 INSTALLATION), RT4334, R
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2003-12-11 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	30A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 121118 T005

7-ELEVEN STORE #22872 (Continued) **S103637430**

Last Update:	2012-11-02 14:17:38
Permit Number:	121118
Tank Type:	DOUBLE WALL
Additional Id:	NT2393(POST JULY 1, 2003 INSTALLATION), RT4334, RT
Capacity Gallons:	15000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2003-12-11 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	30A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Name:	7-ELEVEN #22872
Address:	1826 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	121118
Business Type:	6HK28
EPA Id Number:	CAD981407059
APN:	530-342-06-00
Last HMMD Inspection:	12/16/2011
Facility Telephone:	619-222-9916
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	7-ELEVEN, INC.#22872
Facility Mailing Address:	P O BOX 711
Facility Mailing City:	DALLAS
Facility Mailing State:	TX
Facility Mailing Zip:	75221-
UST Owner:	7-ELEVEN INC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	121118
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	PREMIUM UNLEADED
Other Information:	UNDERGROUND TANK 121118 T004
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	121118
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 121118 T005
Material Waste:	Material

7-ELEVEN STORE #22872 (Continued) **S103637430**

Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 121118
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: WATER & FUEL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 121118
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: FUEL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 121118
Update Date: 11/02/2012
Inspection Date: 12/09/2004
Violation Code: 6HV3102
Violation: OPER. PERMIT NOT CURRENT/ONSITE
Violation Citation: Current Operating Permit not available at facility. 25284(a), 25286(a); 2712(i); 68.1003
Activity: ACTIVE

Permit Number: 121118
Update Date: 11/02/2012
Inspection Date: 12/09/2004
Violation Code: 6HV3106
Violation: NO OWNER/OPERATOR AGREEMENT
Violation Citation: Owner/operator agreement not available/complete/submitted to HMD. 25284(a)(3); 2620(b)
Activity: ACTIVE

Permit Number: 121118
Update Date: 11/02/2012
Inspection Date: 12/09/2004
Violation Code: 6HV3115
Violation: NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation: Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity: ACTIVE

Permit Number: 121118
Update Date: 11/02/2012
Inspection Date: 12/09/2004
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632

7-ELEVEN STORE #22872 (Continued) **S103637430**

Activity:	ACTIVE
Permit Number:	121118
Update Date:	11/02/2012
Inspection Date:	12/09/2004
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE
Permit Number:	121118
Update Date:	11/02/2012
Inspection Date:	03/24/2003
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE
Permit Number:	121118
Update Date:	11/02/2012
Inspection Date:	03/24/2003
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)&(d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Permit Number:	121118
Update Date:	11/02/2012
Inspection Date:	03/24/2003
Violation Code:	6HV3109
Violation:	NO SCALED PLOT PLAN AVAIL/TO HMD
Violation Citation:	Scaled Plot plan showing tank, piping & equipment location not available/complete/submitted to HMD. 2711(a)(8), 2632(d)(1) (C)
Activity:	ACTIVE
Permit Number:	121118
Update Date:	11/02/2012
Inspection Date:	03/24/2003
Violation Code:	6HV3112
Violation:	2NDRY CONT TEST NOT DONE (6/36 MOS.)
Violation Citation:	Secondary containment testing not conducted at 6months/36 months. 25284.1; 2637(a)
Activity:	ACTIVE
Permit Number:	121118
Update Date:	11/02/2012
Inspection Date:	03/24/2003
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE

7-ELEVEN STORE #22872 (Continued) **S103637430**

Permit Number:	121118
Update Date:	11/02/2012
Inspection Date:	03/24/2003
Violation Code:	6HV3158
Violation:	ALL OPERATING CONDITIONS NOT MET
Violation Citation:	All permit operating conditions not met. 25284; 2712
Activity:	ACTIVE

UST:

UST Name:	UNDERGROUND TANK 121118 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	121118
Tank Type:	SINGLE WALL
Additional Id:	RT1002 UNLEADED FUEL/NT2393
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2003-11-04 00:00:00
Year Installed:	1981-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	15
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ SHUTOFF AND ALARM ON LLD AND CERTIFIED ATG: IN-TANK TEST MONTHLY

UST Name:	UNDERGROUND TANK 121118 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	121118
Tank Type:	SINGLE WALL
Additional Id:	RT1002 UNLEADED FUEL/NT2393
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2003-11-04 00:00:00
Year Installed:	1981-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	15
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ SHUTOFF AND ALARM ON LLD AND CERTIFIED ATG: IN-TANK TEST MONTHLY

UST Name:	UNDERGROUND TANK 121118 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	121118
Tank Type:	SINGLE WALL
Additional Id:	RT1002 UNLEADED FUEL/NT2393
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2003-11-04 00:00:00
Year Installed:	1981-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	15

7-ELEVEN STORE #22872 (Continued) **S103637430**

UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ SHUTOFF AND ALARM ON LLD AND CERTIFIED ATG: IN-TANK TEST MONTHLY
UST Name:	UNDERGROUND TANK 121118 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	121118
Tank Type:	DOUBLE WALL
Additional Id:	NT2393 (POST JULY 1, 2003 INSTALLATION), RT4334, R
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2003-12-11 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	30A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 121118 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	121118
Tank Type:	DOUBLE WALL
Additional Id:	NT2393(POST JULY 1, 2003 INSTALLATION), RT4334, RT
Capacity Gallons:	15000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2003-12-11 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	30A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Name:	7-ELEVEN #22872
Address:	1826 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	121118
Business Type:	6HK28
EPA Id Number:	CAD981407059
APN:	530-342-06-00
Last HMMD Inspection:	12/16/2011
Facility Telephone:	619-222-9916
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	7-ELEVEN, INC.#22872
Facility Mailing Address:	P O BOX 711
Facility Mailing City:	DALLAS
Facility Mailing State:	TX
Facility Mailing Zip:	75221-
UST Owner:	7-ELEVEN INC
Handle Regulated Hazmat:	Y

7-ELEVEN STORE #22872 (Continued) **S103637430**

Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):

Permit Number: 121118
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: PREMIUM UNLEADED
Other Information: UNDERGROUND TANK 121118 T004
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 121118
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 121118 T005
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 121118
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: WATER & FUEL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 121118
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: FUEL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 121118
Update Date: 11/02/2012
Inspection Date: 12/09/2004
Violation Code: 6HV3102
Violation: OPER. PERMIT NOT CURRENT/ONSITE
Violation Citation: Current Operating Permit not available at facility. 25284(a), 25286(a); 2712(i); 68.1003
Activity: ACTIVE

Permit Number: 121118
Update Date: 11/02/2012
Inspection Date: 12/09/2004
Violation Code: 6HV3106

7-ELEVEN STORE #22872 (Continued) **S103637430**

Violation:	NO OWNER/OPERATOR AGREEMENT
Violation Citation:	Owner/operator agreement not available/complete/submitted to HMD. 25284(a)(3); 2620(b)
Activity:	ACTIVE
Permit Number:	121118
Update Date:	11/02/2012
Inspection Date:	12/09/2004
Violation Code:	6HV3115
Violation:	NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation:	Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity:	ACTIVE
Permit Number:	121118
Update Date:	11/02/2012
Inspection Date:	12/09/2004
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE
Permit Number:	121118
Update Date:	11/02/2012
Inspection Date:	12/09/2004
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE
Permit Number:	121118
Update Date:	11/02/2012
Inspection Date:	03/24/2003
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE
Permit Number:	121118
Update Date:	11/02/2012
Inspection Date:	03/24/2003
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)&(d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Permit Number:	121118
Update Date:	11/02/2012
Inspection Date:	03/24/2003
Violation Code:	6HV3109
Violation:	NO SCALED PLOT PLAN AVAIL/TO HMD

7-ELEVEN STORE #22872 (Continued) **S103637430**

Violation Citation:	Scaled Plot plan showing tank, piping & equipment location not available/complete/submitted to HMD. 2711(a)(8), 2632(d)(1) (C)
Activity:	ACTIVE
Permit Number:	121118
Update Date:	11/02/2012
Inspection Date:	03/24/2003
Violation Code:	6HV3112
Violation:	2NDRY CONT TEST NOT DONE (6/36 MOS.)
Violation Citation:	Secondary containment testing not conducted at 6months/36 months. 25284.1; 2637(a)
Activity:	ACTIVE
Permit Number:	121118
Update Date:	11/02/2012
Inspection Date:	03/24/2003
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE
Permit Number:	121118
Update Date:	11/02/2012
Inspection Date:	03/24/2003
Violation Code:	6HV3158
Violation:	ALL OPERATING CONDITIONS NOT MET
Violation Citation:	All permit operating conditions not met. 25284; 2712
Activity:	ACTIVE

UST:

UST Name:	UNDERGROUND TANK 121118 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	121118
Tank Type:	SINGLE WALL
Additional Id:	RT1002 UNLEADED FUEL/NT2393
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2003-11-04 00:00:00
Year Installed:	1981-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	15
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ SHUTOFF AND ALARM ON LLD AND CERTIFIED ATG: IN-TANK TEST MONTHLY
UST Name:	UNDERGROUND TANK 121118 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	121118
Tank Type:	SINGLE WALL
Additional Id:	RT1002 UNLEADED FUEL/NT2393
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED

7-ELEVEN STORE #22872 (Continued) **S103637430**

Remove Close Date:	2003-11-04 00:00:00
Year Installed:	1981-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	15
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ SHUTOFF AND ALARM ON LLD AND CERTIFIED ATG: IN-TANK TEST MONTHLY

UST Name:	UNDERGROUND TANK 121118 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	121118
Tank Type:	SINGLE WALL
Additional Id:	RT1002 UNLEADED FUEL/NT2393
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2003-11-04 00:00:00
Year Installed:	1981-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	15
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ SHUTOFF AND ALARM ON LLD AND CERTIFIED ATG: IN-TANK TEST MONTHLY

UST Name:	UNDERGROUND TANK 121118 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	121118
Tank Type:	DOUBLE WALL
Additional Id:	NT2393 (POST JULY 1, 2003 INSTALLATION), RT4334, R
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2003-12-11 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	30A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 121118 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	121118
Tank Type:	DOUBLE WALL
Additional Id:	NT2393(POST JULY 1, 2003 INSTALLATION), RT4334, RT
Capacity Gallons:	15000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2003-12-11 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	30A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF &

7-ELEVEN STORE #22872 (Continued) **S103637430**

FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

CERS HAZ WASTE:

Name:	7-ELEVEN INC #22872
Address:	1826 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Site ID:	1218
CERS ID:	10165915
CERS Description:	Hazardous Waste Generator

CERS TANKS:

Name:	7-ELEVEN INC #22872
Address:	1826 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Site ID:	1218
CERS ID:	10165915
CERS Description:	Underground Storage Tank

HIST CORTESE:

edr_fname:	7-ELEVEN STORE #22872
edr_fadd1:	1826 ROSECRANS
City,State,Zip:	SAN DIEGO, CA 92107
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT3892

SAN DIEGO CO LOP:

Name:	7-ELEVEN FOOD STORE #22872
Address:	1826 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Record ID:	DEH1998-LSAM-H21118-001
Record Status:	Completed
Opened Date:	10/07/1998
Parcel Number:	530-342-06-00
Case Type:	LOP - Local Oversight Program
Historical Name:	7-ELEVEN 22872
SWRCB Global ID:	T0607302653
Funding:	S - LOP State Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	10/07/1998
Census Tract:	214.00
Community:	San Diego
Jurisdiction:	SAN DIEGO
Watershed Basin Number:	908.1
Water Purveyor:	SAN DIEGO
Fire Agency:	SAN DIEGO
Latitude:	32.7303514
Longitude:	-117.2247037
X MapCoord:	6261920.807
Y MapCoord:	1846925.967

CERS:

Name:	7-ELEVEN INC #22872

7-ELEVEN STORE #22872 (Continued) **S103637430**

Address: 1826 ROSECRANS ST
City,State,Zip: SAN DIEGO, CA 92106
Site ID: 1218
CERS ID: 10165915
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 1218
Site Name: 7-Eleven INC #22872
Violation Date: 11-16-2020
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description: Failure of the functional line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes: Returned to compliance on 11/16/2020. Inspection Sequence ID:6621005;Tank ID:32336;Violation Description:(TCR 9d) Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly. with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping when a leak is detected. 23 CCR 2636(f)(2)
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-05-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kiener Michael Inspection ID:6806398
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-12-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Archer Veronica Inspection ID:6286143
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-13-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Archer Veronica Inspection ID:6019086
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

7-ELEVEN STORE #22872 (Continued) **S103637430**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-14-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kiener Michael Inspection ID:5831680
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-14-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kiener Michael Inspection ID:5831680
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-30-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kiener Michael Inspection ID:5161011
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-13-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Archer Veronica Inspection ID:6019086
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-14-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kiener Michael Inspection ID:5831680
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-18-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kiener Michael Inspection ID:5537927
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-19-2014
Violations Found:	No

7-ELEVEN STORE #22872 (Continued) **S103637430**

Eval Type: Routine done by local agency
Eval Notes: Inspector: Garchitorena Bobby Inspection ID:4970458
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-19-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Garchitorena Bobby Inspection ID:4970458
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-30-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kiener Michael Inspection ID:5161011
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-30-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kiener Michael Inspection ID:5161011
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-12-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Archer Veronica Inspection ID:6286143
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-12-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Archer Veronica Inspection ID:6286143
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-13-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Archer Veronica Inspection ID:6019086
Eval Division: San Diego County Department of Env Health

7-ELEVEN STORE #22872 (Continued) **S103637430**

Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-16-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Villena Elaine Inspection ID:6621005
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-18-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kiener Michael Inspection ID:5537927
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-18-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kiener Michael Inspection ID:5537927
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-19-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Garchitorena Bobby Inspection ID:4970458
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Coordinates:

Site ID:	1218
Facility Name:	7-Eleven INC #22872
Env Int Type Code:	HWG
Program ID:	10165915
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	32.730350
Longitude:	-117.224700

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	JAMIL HERSHEWE
Entity Title:	Not reported
Affiliation Address:	PO BOX 711, ATTN: ENVIRONMENTAL DEPARTMENT
Affiliation City:	DALLAS
Affiliation State:	TX

7-ELEVEN STORE #22872 (Continued) **S103637430**

Affiliation Country:	Not reported
Affiliation Zip:	75221
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO BOX 711, ATTN: ENVIRONMENTAL DEPARTMENT
Affiliation City:	DALLAS
Affiliation State:	TX
Affiliation Country:	Not reported
Affiliation Zip:	75221
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	MAHMOOD (MIKE) & SHIRIN MOJTEHEDI
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(619) 222-9916,
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	H-C GARRETT LLC
Entity Title:	Not reported
Affiliation Address:	4151 HILL ST
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92107
Affiliation Phone:	(800) 828-0711,
Affiliation Type Desc:	UST Tank Owner
Entity Name:	7-ELEVEN INC
Entity Title:	Not reported
Affiliation Address:	PO BOX 711, ATTN: ENVIRONMENTAL DEPARTMENT
Affiliation City:	DALLAS
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	75521
Affiliation Phone:	(800) 828-0711,
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Document Preparer
Entity Name:	Steve Skanderson, Stantec
Entity Title:	Not reported

7-ELEVEN STORE #22872 (Continued) **S103637430**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	7-ELEVEN INC
Entity Title:	Not reported
Affiliation Address:	PO BOX 711, ATTN: ENVIRONMENTAL DEPARTMENT
Affiliation City:	DALLAS
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	75221
Affiliation Phone:	(800) 828-0711,

Affiliation Type Desc:	Property Owner
Entity Name:	H-C GARRETT LLC
Entity Title:	Not reported
Affiliation Address:	4151 HILL ST
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92107
Affiliation Phone:	(800) 828-0711,

Affiliation Type Desc:	UST Tank Operator
Entity Name:	MAHMOOD (MIKE) & SHIRIN MOJTEHEDI
Entity Title:	Not reported
Affiliation Address:	1826 ROSECRANS ST
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92106
Affiliation Phone:	(619) 222-9916,

Affiliation Type Desc:	Identification Signer
Entity Name:	STEPHEN BOYD
Entity Title:	REGIONAL GASOLINE ENVIRONMENTAL COMPLIANCE MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	7-ELEVEN INC.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

7-ELEVEN STORE #22872 (Continued) **S103637430**

Affiliation Type Desc:	UST Permit Applicant
Entity Name:	STEPHEN BOYD
Entity Title:	REGIONAL GASOLINE ENVIRONMENTAL COMPLIANCE MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(714) 771-5484,

V90 **7-ELEVEN FOOD STORE #22872** **SAN DIEGO CO. SAM** **U003937309**
NNW **1826 ROSECRANS ST** **SWEEPS UST** **N/A**
1/4-1/2 **SAN DIEGO, CA 92106**
0.404 mi.
2135 ft. **Site 2 of 6 in cluster V**

Relative:
Higher

Actual:
22 ft.

SAN DIEGO CO. SAM:

Name:	7-ELEVEN FOOD STORE #22872
Address:	1826 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921061929
Case Number:	H21118-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	GW With No Beneficial Use Designation
Facility Status:	Remedial Investigation
Date:	3/8/2004
Date Began:	7/2/1998

SWEEPS UST:

Name:	7-ELEVEN FOOD STORE #22872
Address:	1826 ROSECRANS ST
City:	SAN DIEGO
Status:	Active
Comp Number:	21118
Number:	9
Board Of Equalization:	44-002251
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021118-000001
Tank Status:	A
Capacity:	9728
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	3

Name:	7-ELEVEN FOOD STORE #22872
Address:	1826 ROSECRANS ST
City:	SAN DIEGO
Status:	Active
Comp Number:	21118
Number:	9
Board Of Equalization:	44-002251

7-ELEVEN FOOD STORE #22872 (Continued) **U003937309**

Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021118-000002
Tank Status:	A
Capacity:	9728
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Name:	7-ELEVEN FOOD STORE #22872
Address:	1826 ROSECRANS ST
City:	SAN DIEGO
Status:	Active
Comp Number:	21118
Number:	9
Board Of Equalization:	44-002251
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021118-000003
Tank Status:	A
Capacity:	9728
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

V91 **7-ELEVEN FOOD STORE #22872** **HIST UST** **1000281962**
NNW **1826 ROSECRANS ST** **Cortese** **N/A**
1/4-1/2 **SAN DIEGO, CA 92106** **CERS**
0.404 mi.
2135 ft. **Site 3 of 6 in cluster V**

Relative: **Higher**
Actual: **22 ft.**

HIST UST:

Name:	7-ELEVEN FOOD STORE #22872
Address:	1826 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92107
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000010217
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	JEFF BEQUEAITH
Telephone:	6192787861
Owner Name:	THE SOUTHLAND CORPORATION
Owner Address:	7839 UNIVERSITY AVENUE
Owner City,St,Zip:	LA MESA, CA 92041
Total Tanks:	0003

Tank Num:	001
Container Num:	22872-1

7-ELEVEN FOOD STORE #22872 (Continued) **1000281962**

Year Installed:	1981
Tank Capacity:	00009728
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	0.25
Leak Detection:	Stock Inventor

Tank Num:	002
Container Num:	22872-2
Year Installed:	1981
Tank Capacity:	00009728
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	0.25
Leak Detection:	Stock Inventor

Tank Num:	003
Container Num:	22872-3
Year Installed:	1981
Tank Capacity:	00009728
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	0.25
Leak Detection:	Stock Inventor

CORTESE:

Name:	7-ELEVEN FOOD STORE #22872
Address:	1826 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921061929
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607302653
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	OPEN - REMEDIATION
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	7-ELEVEN FOOD STORE #22872
Address:	1826 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921061929
Site ID:	211037

7-ELEVEN FOOD STORE #22872 (Continued) **1000281962**

CERS ID: T0607302653
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: LALITHA THOTAKURA - SAN DIEGO RWQCB (REGION 9)
Entity Title: Not reported
Affiliation Address: 2375 NORTHSIDE DRIVE, SUITE 100
Affiliation City: SAN DIEGO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6195213002,

V92 **NNW** **1/4-1/2** **0.404 mi.** **2135 ft.**	**7-ELEVEN STORE #22872** **1826 ROSECRANS ST** **SAN DIEGO, CA 92106** **Site 4 of 6 in cluster V**	**LUST** **EMI** **CERS**	**S103891802** **N/A**

Relative: **Higher**

Actual: **22 ft.**

LUST REG 9:
Region: 9
Status: Preliminary site assessment workplan submitted
Case Number: 9UT3892
Local Case: H21118-001
Substance: Unleaded Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Other Means
How Stopped: Other Means
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 10/07/1998
Date Stopped: 10/07/1998
Confirm Date: 10/07/1998
Submit Workplan: 5/3/99
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 10/07/1998
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.10
GW Depth: Not reported
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: Not reported
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported

7-ELEVEN STORE #22872 (Continued) **S103891802**

Waste Discharge Requirement Number: Not reported

EMI:

Name:	7 ELEVEN FOOD STORES
Address:	1826 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921061929
Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	5499
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.62
Reactive Organic Gases Tons/Yr:	.62
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	7 ELEVEN FOOD STORES
Address:	1826 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 921061929
Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	5499
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.62
Reactive Organic Gases Tons/Yr:	.62
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	7 ELEVEN FOOD STORES
Address:	1826 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	5499
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.62
Reactive Organic Gases Tons/Yr:	.62

7-ELEVEN STORE #22872 (Continued) **S103891802**

Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	7 ELEVEN FOOD STORES
Address:	1826 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	5499
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.62
Reactive Organic Gases Tons/Yr:	0.62
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	7 ELEVEN FOOD STORES
Address:	1826 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	5499
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.62
Reactive Organic Gases Tons/Yr:	0.62
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	7 ELEVEN FOOD STORES
Address:	1826 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	5499
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported

7-ELEVEN STORE #22872 (Continued) **S103891802**

Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.62
Reactive Organic Gases Tons/Yr: 0.62
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: 7 ELEVEN FOOD STORES
Address: 1826 ROSECRANS ST
City,State,Zip: SAN DIEGO, CA 92106
Year: 2012
County Code: 37
Air Basin: SD
Facility ID: 5499
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.62
Reactive Organic Gases Tons/Yr: 0.62
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: 7 ELEVEN FOOD STORES
Address: 1826 ROSECRANS ST
City,State,Zip: SAN DIEGO, CA 92106
Year: 2013
County Code: 37
Air Basin: SD
Facility ID: 5499
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.62
Reactive Organic Gases Tons/Yr: 0.62
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: 7 ELEVEN FOOD STORES
Address: 1826 ROSECRANS ST
City,State,Zip: SAN DIEGO, CA 92106
Year: 2014
County Code: 37
Air Basin: SD
Facility ID: 5499
Air District Name: SD

7-ELEVEN STORE #22872 (Continued) **S103891802**

SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.62
Reactive Organic Gases Tons/Yr:	0.62
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	7 ELEVEN FOOD STORES
Address:	1826 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2015
County Code:	37
Air Basin:	SD
Facility ID:	5499
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.62
Reactive Organic Gases Tons/Yr:	0.62
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	7 ELEVEN FOOD STORES
Address:	1826 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2016
County Code:	37
Air Basin:	SD
Facility ID:	5499
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.62
Reactive Organic Gases Tons/Yr:	0.62
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	7 ELEVEN FOOD STORES
Address:	1826 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2017
County Code:	37

7-ELEVEN STORE #22872 (Continued) **S103891802**

Air Basin: SD
Facility ID: 5499
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.62
Reactive Organic Gases Tons/Yr: 0.62
Carbon Monoxide Emissions Tons/Yr: Not reported
NOX - Oxides of Nitrogen Tons/Yr: Not reported
SOX - Oxides of Sulphur Tons/Yr: Not reported
Particulate Matter Tons/Yr: Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr: Not reported

Name: 7 ELEVEN FOOD STORES
Address: 1826 ROSECRANS ST
City,State,Zip: SAN DIEGO, CA 92106
Year: 2018
County Code: 37
Air Basin: SD
Facility ID: 5499
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.62
Reactive Organic Gases Tons/Yr: 0.62
Carbon Monoxide Emissions Tons/Yr: Not reported
NOX - Oxides of Nitrogen Tons/Yr: Not reported
SOX - Oxides of Sulphur Tons/Yr: Not reported
Particulate Matter Tons/Yr: Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr: Not reported

Name: 7 ELEVEN FOOD STORES
Address: 1826 ROSECRANS ST
City,State,Zip: SAN DIEGO, CA 92106
Year: 2019
County Code: 37
Air Basin: SD
Facility ID: 5499
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.62
Reactive Organic Gases Tons/Yr: 0.62
Carbon Monoxide Emissions Tons/Yr: Not reported
NOX - Oxides of Nitrogen Tons/Yr: Not reported
SOX - Oxides of Sulphur Tons/Yr: Not reported
Particulate Matter Tons/Yr: Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr: Not reported

CERS:
Name: 7 ELEVEN FOOD STORES

7-ELEVEN STORE #22872 (Continued) **S103891802**

Address:	1826 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Site ID:	448678
CERS ID:	110013824353
CERS Description:	US EPA Air Emission Inventory System (EIS)

93
WSW
1/4-1/2
0.420 mi.
2216 ft.

1100 BLK OF ANCHORAGE
AT SO. END OF CANON
SAN DIEGO, CA

Notify 65 **S100178345**
N/A

Relative:
Higher

Actual:
12 ft.

NOTIFY 65:

Name:	1100 BLK OF ANCHORAGE
Address:	AT SO. END OF CANON
City,State,Zip:	SAN DIEGO, CA
Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported
Global ID:	Not reported
Status:	Not reported

V94
NNW
1/4-1/2
0.438 mi.
2313 ft.

ROSECRANS CENTER
1868-1878 ROSECRANS
SAN DIEGO, CA 92106

Site 5 of 6 in cluster V

ENVIROSTOR **S106797707**
N/A

Relative:
Higher

Actual:
22 ft.

ENVIROSTOR:

Name:	ROSECRANS CENTER
Address:	1868-1878 ROSECRANS
City,State,Zip:	SAN DIEGO, CA 92106
Facility ID:	37150004
Status:	Refer: 1248 Local Agency
Status Date:	09/12/2001
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	78
Senate:	39
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	32.73095

ROSECRANS CENTER (Continued) **S106797707**

Longitude:	-117.2241
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	T0608111780
Alias Type:	GeoTracker Global ID
Alias Name:	37150004
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

V95
NNW
1/4-1/2
0.438 mi.
2313 ft.

ROSECRANS CENTER
1868 ROSECRANS AV
SAN DIEGO, CA 92106

Site 6 of 6 in cluster V

SAN DIEGO CO. SAM
CPS-SLIC
San Diego Co. HMMD
CERS

S105690385
N/A

Relative:
Higher

Actual:
22 ft.

SAN DIEGO CO. SAM:

Name:	ROSECRANS CENTER
Address:	1868 ROSECRANS AV
City,State,Zip:	SAN DIEGO, CA 92106
Case Number:	H39542-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	GW With No Beneficial Use Designation
Facility Status:	Closed Case
Date:	3/5/2002
Date Began:	4/17/2001

CPS-SLIC:

Name:	ROSECRANS CENTER
Address:	1868 ROSECRANS AV
City,State,Zip:	SAN DIEGO, CA 92106
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	03/05/2002
Global Id:	T0608111780
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H39542-001
Latitude:	32.730982
Longitude:	-117.224169

ROSECRANS CENTER (Continued) **S105690385**

Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	* Chlorinated Hydrocarbons
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

HMMD SAN DIEGO:

Name:	ROSECRANS CENTER
Address:	1868 ROSECRANS AV
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	139542
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	DEH-139542
Last HMMD Inspection:	Not reported
Facility Telephone:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Date Last Updated:	11/02/2012
Facility Owner:	Not reported
Facility Mailing Address:	Not reported
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

CERS:

Name:	ROSECRANS CENTER
Address:	1868 ROSECRANS AV
City,State,Zip:	SAN DIEGO, CA 92106
Site ID:	207064
CERS ID:	T0608111780
CERS Description:	Cleanup Program Site

U96 **UNION BANK OF CALIF PROPERTY** **SAN DIEGO CO. SAM** **S104756808**
WSW **1175 ROSECRANS ST** **CPS-SLIC** **N/A**
1/4-1/2 **SAN DIEGO, CA 92110** **San Diego Co. HMMD**
0.440 mi. **CERS**
2323 ft. **Site 2 of 3 in cluster U**

Relative:
Higher

Actual:
22 ft.

SAN DIEGO CO. SAM:

Name:	UNION BANK OF CALIF PROPERTY
Address:	1175 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92110
Case Number:	H38417-001
Agency:	DEH Site Assessment & Mitigation

UNION BANK OF CALIF PROPERTY (Continued) **S104756808**

Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	8/4/1999
Date Began:	3/29/1999

CPS-SLIC:

Name:	UNION BANK OF CALIF PROPERTY
Address:	1175 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92110
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	08/04/1999
Global Id:	T0608192186
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H38417-001
Latitude:	32.722211
Longitude:	-117.230839
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

HMMD SAN DIEGO:

Name:	UNION BANK OF CALIF PROPERTY
Address:	1175 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92110
Permit Number:	138417
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	531-326-09-00
Last HMMD Inspection:	Not reported
Facility Telephone:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Date Last Updated:	11/02/2012
Facility Owner:	Not reported
Facility Mailing Address:	Not reported
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UNION BANK OF CALIF PROPERTY (Continued) **S104756808**

CERS:

Name:	UNION BANK OF CALIF PROPERTY
Address:	1175 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92110
Site ID:	217952
CERS ID:	T0608192186
CERS Description:	Cleanup Program Site

U97
West
1/4-1/2
0.440 mi.
2324 ft.
Relative: Higher
Actual: 22 ft.

WEST MARINE FACILITY
1214 ROSECRANS ST
SAN DIEGO, CA 92106

Site 3 of 3 in cluster U

Database(s): **LUST, SAN DIEGO CO. SAM, San Diego Co. HMMD, Cortese, HIST CORTESE, SAN DIEGO CO LOP, CERS**

S102444747
N/A

LUST:

Name:	WEST MARINE FACILITY
Address:	1214 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607301925
Global Id:	T0607301925
Latitude:	32.722911
Longitude:	-117.231053
Status:	Completed - Case Closed
Status Date:	10/29/2002
Case Worker:	LA
RB Case Number:	9UT3157
Local Agency:	SAN DIEGO COUNTY LOP
File Location:	Local Agency
Local Case Number:	H36154-001
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0607301925
Contact Type:	Local Agency Caseworker
Contact Name:	LAURIE APECECHEA
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	laurie.apecechea@sdcounty.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0607301925
Action Type:	Other
Date:	02/28/1996
Action:	Leak Reported

Global Id:	T0607301925
Action Type:	Other
Date:	12/16/1994
Action:	Leak Began

WEST MARINE FACILITY (Continued) **S102444747**

Global Id:	T0607301925
Action Type:	ENFORCEMENT
Date:	10/29/2002
Action:	Closure/No Further Action Letter

Global Id:	T0607301925
Action Type:	Other
Date:	12/16/1994
Action:	Leak Discovery

LUST:

Global Id:	T0607301925
Status:	Open - Case Begin Date
Status Date:	12/16/1994

Global Id:	T0607301925
Status:	Completed - Case Closed
Status Date:	10/29/2002

LUST REG 9:

Region:	9
Status:	Preliminary site assessment underway
Case Number:	9UT3157
Local Case:	H36154-001
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Not reported
How Stopped:	Not reported
Source:	Not reported
Cause:	Not reported
Lead Agency:	Local Agency
Case Type:	Other ground water affected
Date Found:	12/16/1994
Date Stopped:	/ /
Confirm Date:	/ /
Submit Workplan:	2/28/96
Prelim Assess:	04/17/1996
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	02/28/1996
Enforce Date:	Not reported
Closed Date:	Not reported
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	908.10
GW Depth:	Not reported
Beneficial Use:	No Beneficial groundwater use
NPDES Number:	Not reported
Priority:	Not reported
File Dispn:	Administratively opened on database, however no file physically exists
Interim Remedial Actions:	Not reported

WEST MARINE FACILITY (Continued) **S102444747**

Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. SAM:
Name: WEST MARINE FACILITY
Address: 1214 ROSECRANS ST
City,State,Zip: SAN DIEGO, CA 92106
Case Number: H36154-001
Agency: DEH Site Assessment & Mitigation
Funding: LOP - Federal Fund
Facility Type: GW With No Beneficial Use Designation
Facility Status: Closed Case
Date: 10/29/2002
Date Began: 12/16/1994

HMMD SAN DIEGO:
Name: WEST MARINE FACILITY
Address: 1214 ROSECRANS ST
City,State,Zip: SAN DIEGO, CA 92106
Permit Number: 136154
Business Type: Not reported
EPA Id Number: Not reported
APN: 531-322-14-00
Last HMMD Inspection: Not reported
Facility Telephone: Not reported
Permit Status: INAC
Permit Expiration: Not reported
Date Last Updated: 11/02/2012
Facility Owner: BERT,BILL JOHNSTON, E DUGAN
Facility Mailing Address: 25722 ALTO DR
Facility Mailing City: SAN BERNARDINO
Facility Mailing State: CA
Facility Mailing Zip: 92404-
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Name: A TO Z MARINE SERVICES
Address: 1214 ROSECRANS ST
City,State,Zip: SAN DIEGO, CA 92106
Permit Number: 204687
Business Type: 6HK18
EPA Id Number: Not reported
APN: 531-322-14-00
Last HMMD Inspection: 04/23/2007
Facility Telephone: 619-224-1606
Permit Status: INAC
Permit Expiration: 08/31/2006
Date Last Updated: 11/02/2012
Facility Owner: ROGER ADAM
Facility Mailing Address: 1214 ROSECRANS ST
Facility Mailing City: SAN DIEGO

WEST MARINE FACILITY (Continued) **S102444747**

Facility Mailing State:	CA
Facility Mailing Zip:	92106
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Permit Number:	204687
Update Date:	11/02/2012
Inspection Date:	04/23/2007
Violation Code:	6HV0408
Violation:	FAILED TO POST ER PLAN BY PHONE
Violation Citation:	Small quantity generator of hazardous waste failed to post emergency response plan by phone. CFR 262.34(d)(5)(ii)
Activity:	Inactive Permit

Permit Number:	204687
Update Date:	11/02/2012
Inspection Date:	04/23/2007
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	Inactive Permit

CORTESE:

Name:	WEST MARINE FACILITY
Address:	1214 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607301925
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

WEST MARINE FACILITY (Continued) **S102444747**

HIST CORTESE:

edr_fname:	WEST MARINE FACILITY
edr_fadd1:	1214 ROSECRANS
City,State,Zip:	SAN DIEGO, CA 92106
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT3157

SAN DIEGO CO LOP:

Name:	WEST MARINE FACILITY
Address:	1214 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Record ID:	DEH1996-LSAM-H36154-001
Record Status:	Completed
Opened Date:	02/28/1996
Parcel Number:	531-322-14-00
Case Type:	LOP - Local Oversight Program
Historical Name:	WEST MARINE FACILITY
SWRCB Global ID:	T0607301925
Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	12/16/1994
Census Tract:	214.00
Community:	San Diego
Jurisdiction:	SAN DIEGO
Watershed Basin Number:	908.1
Water Purveyor:	SAN DIEGO
Fire Agency:	SAN DIEGO
Latitude:	32.7229101
Longitude:	-117.2310518
X MapCoord:	6259930.637
Y MapCoord:	1844230.915

CERS:

Name:	WEST MARINE FACILITY
Address:	1214 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Site ID:	215887
CERS ID:	T0607301925
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	LAURIE APECECHEA - SAN DIEGO COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

W98	**REUBEN H. FLEET CTR STORAGE**	**SAN DIEGO CO. SAM**	**S104756805**
WSW	**1155 ROSECRANS ST**	**San Diego Co. HMMD**	**N/A**
1/4-1/2	**SAN DIEGO, CA 92106**	**CERS**	
0.452 mi.			
2384 ft.	**Site 1 of 3 in cluster W**		

Relative: **Higher**

Actual: **22 ft.**

SAN DIEGO CO. SAM:

Name:	REUBEN H. FLEET CTR STORAGE
Address:	1155 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Case Number:	H38414-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	8/4/1999
Date Began:	3/29/1999

HMMD SAN DIEGO:

Name:	REUBEN H. FLEET CTR STORAGE
Address:	1155 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	138414
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	531-326-01-00
Last HMMD Inspection:	Not reported
Facility Telephone:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Date Last Updated:	11/02/2012
Facility Owner:	Not reported
Facility Mailing Address:	Not reported
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

CERS:

Name:	REUBEN H. FLEET CTR STORAGE
Address:	1155 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Site ID:	193218
CERS ID:	T0608164276
CERS Description:	Cleanup Program Site

W99 **REUBEN H. FLEET CTR STORAGE** **CPS-SLIC** **S106090298**
WSW **1155 ROSECRANS ST** **N/A**
1/4-1/2 **SAN DIEGO, CA 92106**
0.452 mi.
2384 ft. **Site 2 of 3 in cluster W**

Relative:
Higher

Actual:
22 ft.

CPS-SLIC:

Name:	REUBEN H. FLEET CTR STORAGE
Address:	1155 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	08/04/1999
Global Id:	T0608164276
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H38414-001
Latitude:	32.722017
Longitude:	-117.231004
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

X100 **SHELL SERVICE STATION** **LUST** **S104577959**
North **1930 ROSECRANS** **CPS-SLIC** **N/A**
1/4-1/2 **SAN DIEGO, CA 92106** **San Diego Co. HMMD**
0.475 mi. **HIST CORTESE**
2508 ft. **Site 1 of 3 in cluster X** **SAN DIEGO CO LOP**
CERS

Relative:
Higher

Actual:
22 ft.

LUST:

Name:	ROSECRANS SHELL
Address:	1930 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608171734
Global Id:	T0608171734
Latitude:	32.731588
Longitude:	-117.22365
Status:	Completed - Case Closed
Status Date:	02/20/2007
Case Worker:	JS
RB Case Number:	Not reported
Local Agency:	SAN DIEGO COUNTY LOP
File Location:	Local Agency
Local Case Number:	H03213-002
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0608171734
Contact Type:	Local Agency Caseworker

SHELL SERVICE STATION (Continued) **S104577959**

Contact Name:	JON SENAHA
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	jon.senaha@sdcounty.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0608171734
Action Type:	Other
Date:	12/13/2001
Action:	Leak Began
Global Id:	T0608171734
Action Type:	Other
Date:	12/13/2001
Action:	Leak Reported
Global Id:	T0608171734
Action Type:	ENFORCEMENT
Date:	06/03/2002
Action:	Notice of Responsibility
Global Id:	T0608171734
Action Type:	Other
Date:	12/13/2001
Action:	Leak Stopped
Global Id:	T0608171734
Action Type:	ENFORCEMENT
Date:	02/28/2007
Action:	Closure/No Further Action Letter
Global Id:	T0608171734
Action Type:	Other
Date:	12/13/2001
Action:	Leak Discovery

LUST:

Global Id:	T0608171734
Status:	Open - Case Begin Date
Status Date:	12/13/2001
Global Id:	T0608171734
Status:	Completed - Case Closed
Status Date:	02/20/2007

CPS-SLIC:

Name:	ROSECRANS SHELL
Address:	1930 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	11/13/1989
Global Id:	T0608146580

SHELL SERVICE STATION (Continued) **S104577959**

Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H03213-001
Latitude:	32.731588
Longitude:	-117.22365
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT478
File Location:	Local Agency
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

HMMD SAN DIEGO:

Name:	JOE'S AUTO REPAIR
Address:	1930 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	215477
Business Type:	6HK26
EPA Id Number:	CAL000291793
APN:	530-331-12-00
Last HMMD Inspection:	09/01/2011
Facility Telephone:	619-222-2280
Permit Status:	OPEN
Permit Expiration:	01/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	LAKESIDE AUTO REPAIR & SALES, INC
Facility Mailing Address:	1930 ROSECRANS ST #B
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92106
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	215477
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	215477
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 222 OIL/WATER SEPARATION SLUDGE
Other Information:	SUMP/ CLARIFIER SLUDGE
Material Waste:	Waste

SHELL SERVICE STATION (Continued) **S104577959**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 215477
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: INTERSTATE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 215477
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 215477
Update Date: 11/02/2012
Inspection Date: 09/01/2011
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: ACTIVE

Permit Number: 215477
Update Date: 11/02/2012
Inspection Date: 09/01/2011
Violation Code: 6HV0131
Violation: UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation: A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity: ACTIVE

Permit Number: 215477
Update Date: 11/02/2012
Inspection Date: 09/01/2011
Violation Code: 6HV0132
Violation: EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation: Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity: ACTIVE

Name: JOE'S AUTO REPAIR
Address: 1930 ROSECRANS ST
City,State,Zip: SAN DIEGO, CA 92106
Permit Number: 215477
Business Type: 6HK26
EPA Id Number: CAL000291793
APN: 530-331-12-00

SHELL SERVICE STATION (Continued) **S104577959**

Last HMMD Inspection:	09/01/2011
Facility Telephone:	619-222-2280
Permit Status:	OPEN
Permit Expiration:	01/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	LAKESIDE AUTO REPAIR & SALES, INC
Facility Mailing Address:	1930 ROSECRANS ST #B
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92106
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	215477
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	215477
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 222 OIL/WATER SEPARATION SLUDGE
Other Information:	SUMP/ CLARIFIER SLUDGE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	215477
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	INTERSTATE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	215477
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	215477

SHELL SERVICE STATION (Continued) **S104577959**

Update Date:	11/02/2012
Inspection Date:	09/01/2011
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE

Permit Number:	215477
Update Date:	11/02/2012
Inspection Date:	09/01/2011
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	ACTIVE

Permit Number:	215477
Update Date:	11/02/2012
Inspection Date:	09/01/2011
Violation Code:	6HV0132
Violation:	EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation:	Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity:	ACTIVE

Name:	JOE'S AUTO REPAIR
Address:	1930 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	215477
Business Type:	6HK26
EPA Id Number:	CAL000291793
APN:	530-331-12-00
Last HMMD Inspection:	09/01/2011
Facility Telephone:	619-222-2280
Permit Status:	OPEN
Permit Expiration:	01/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	LAKESIDE AUTO REPAIR & SALES, INC
Facility Mailing Address:	1930 ROSECRANS ST #B
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92106
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	215477
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL

SHELL SERVICE STATION (Continued) **S104577959**

Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 215477
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 222 OIL/WATER SEPARATION SLUDGE
Other Information: SUMP/ CLARIFIER SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 215477
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: INTERSTATE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 215477
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 215477
Update Date: 11/02/2012
Inspection Date: 09/01/2011
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: ACTIVE

Permit Number: 215477
Update Date: 11/02/2012
Inspection Date: 09/01/2011
Violation Code: 6HV0131
Violation: UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation: A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity: ACTIVE

Permit Number: 215477
Update Date: 11/02/2012
Inspection Date: 09/01/2011
Violation Code: 6HV0132
Violation: EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation: Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)

SHELL SERVICE STATION (Continued) **S104577959**

Activity:	ACTIVE
Name:	JOE'S AUTO REPAIR
Address:	1930 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	215477
Business Type:	6HK26
EPA Id Number:	CAL000291793
APN:	530-331-12-00
Last HMMD Inspection:	09/01/2011
Facility Telephone:	619-222-2280
Permit Status:	OPEN
Permit Expiration:	01/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	LAKESIDE AUTO REPAIR & SALES, INC
Facility Mailing Address:	1930 ROSECRANS ST #B
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92106
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	215477
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	215477
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 222 OIL/WATER SEPARATION SLUDGE
Other Information:	SUMP/ CLARIFIER SLUDGE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	215477
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	INTERSTATE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	215477
Update Date:	11/02/2012

SHELL SERVICE STATION (Continued) **S104577959**

Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	215477
Update Date:	11/02/2012
Inspection Date:	09/01/2011
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE

Permit Number:	215477
Update Date:	11/02/2012
Inspection Date:	09/01/2011
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	ACTIVE

Permit Number:	215477
Update Date:	11/02/2012
Inspection Date:	09/01/2011
Violation Code:	6HV0132
Violation:	EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation:	Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity:	ACTIVE

Name:	JOE’S AUTO REPAIR
Address:	1930 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000367397
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	619-222-2280
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	12/21/2021
Facility Owner:	Not reported
Facility Mailing Address:	1930 Rosecrans St Ste B, San Diego, CA 92106
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported

SHELL SERVICE STATION (Continued) **S104577959**

Generate Haz Waste: Y
Treat Haz Waste: N
Generate Medical Waste: Not reported

Inspection Violation:
Record ID: DEH2011-HUPFP-215477
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-215477
Program Element: Hazardous Waste Generator
Inspection Type: Routine
Inspection Number: 4919203
Return To Compliance Date: 2015-10-01T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2021-12-21T00:00:00.000
Inspection Date: 2015-09-22T14:37:00.000
Violation Code: 3010002 Failed to obtain and/or maintain an active EPA ID. 22 CCR 66262.12

Record ID: DEH2011-HUPFP-215477
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-215477
Program Element: Hazardous Waste Generator
Inspection Type: Return To Compliance (RTC)
Inspection Number: 4927755
Return To Compliance Date: 2011-09-13T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2021-12-21T00:00:00.000
Inspection Date: 2011-09-01T10:27:00.000
Violation Code: 3010002 Failure to obtain and/or maintain an Active EPA ID.; 22 CCR 12 66262.12.

Record ID: DEH2011-HUPFP-215477
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-215477
Program Element: Hazardous Waste Generator
Inspection Type: Return To Compliance (RTC)
Inspection Number: 4927755
Return To Compliance Date: 2011-09-13T00:00:00.000
Nov: No
Violation Classification: Class II
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2021-12-21T00:00:00.000
Inspection Date: 2011-09-01T10:27:00.000
Violation Code: HMD0131 No Unified Program Facility (UPF) permit not obtained for the generation of hazardous waste. SDCC 68.905.

Record ID: DEH2011-HUPFP-215477
Permit Status: Permit Renewed

SHELL SERVICE STATION (Continued) **S104577959**

Active Permit: Y
Facility Id Number: 37-000-215477
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Return To Compliance (RTC)
Inspection Number: 4927755
Return To Compliance Date: 2011-09-13T00:00:00.000
Nov: No
Violation Classification: Class II
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2021-12-21T00:00:00.000
Inspection Date: 2011-09-01T10:27:00.000
Violation Code: 1010001 Owner/Operator failed to establish and implement a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet; 19 CCR 4 2729.1(a); HSC 6.95 25503.5(a).

Record ID: DEH2011-HUPFP-215477
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-215477
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 6266023
Return To Compliance Date: 2019-09-16T00:00:00.000
Nov: No
Violation Classification: Class II
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2021-12-21T00:00:00.000
Inspection Date: 2019-09-16T16:54:02.000
Violation Code: 1010008 HMBP not certified annually as complete and accurate in CERS. HSC 25508(a)(1)(A), 25508.2, 19 CCR 2654(b)

Waste and Materials:
Record ID: DEH2011-HUPFP-215477
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0201740
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-21T02:32:13.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: WASTE OIL & MIXED OIL
Case Number: Not reported

Record ID: DEH2011-HUPFP-215477
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0133427
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-01-08T02:34:19.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: WASTE OIL & MIXED OIL
Case Number: Not reported

SHELL SERVICE STATION (Continued) **S104577959**

Record ID:	DEH2011-HUPFP-215477
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0133428
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-01-08T02:34:19.000
Chemical Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Common Name:	WASTE ANTIFREEZE
Case Number:	Not reported

Record ID:	DEH2011-HUPFP-215477
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0201741
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-12-21T02:32:13.000
Chemical Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Common Name:	WASTE ANTIFREEZE
Case Number:	Not reported

Record ID:	DEH2011-HUPFP-215477
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2015-HWAST-0059617
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-03-28T19:35:10.000
Chemical Name:	WASTE 222 OIL/WATER SEPARATION SLUDGE
Common Name:	SUMP/ CLARIFIER SLUDGE
Case Number:	Not reported

Record ID:	DEH2011-HUPFP-215477
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2015-HWAST-0059618
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-03-28T19:35:10.000
Chemical Name:	WASTE 221 WASTE OIL & MIXED OIL
Common Name:	USED OIL
Case Number:	Not reported

Record ID:	DEH2011-HUPFP-215477
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2015-HWAST-0059619
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-03-28T19:35:10.000
Chemical Name:	Ethylene Glycol
Common Name:	Ethylene Glycol
Case Number:	Not reported

SHELL SERVICE STATION (Continued) **S104577959**

HIST CORTESE:

edr_fname:	SHELL SERVICE STATION
edr_fadd1:	1930 ROSECRANS
City,State,Zip:	SAN DIEGO, CA 92106
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT478

SAN DIEGO CO LOP:

Name:	ROSECRANS SHELL
Address:	1930 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Record ID:	DEH2001-LSAM-H03213-002
Record Status:	Completed
Opened Date:	12/13/2001
Parcel Number:	530-331-12-00
Case Type:	LOP - Local Oversight Program
Historical Name:	ROSECRANS SHELL
SWRCB Global ID:	T0608171734
Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	12/13/2001
Census Tract:	214.00
Community:	San Diego
Jurisdiction:	SAN DIEGO
Watershed Basin Number:	908.1
Water Purveyor:	SAN DIEGO
Fire Agency:	SAN DIEGO
Latitude:	32.7315643
Longitude:	-117.2236709
X MapCoord:	6262242.199
Y MapCoord:	1847364.293

Name:	ROSECRANS SHELL
Address:	1930 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Record ID:	DEH1989-LSAM-H03213-001
Record Status:	Completed
Opened Date:	01/20/1989
Parcel Number:	530-331-12-00
Case Type:	FIT - Failed Integrity Test
Historical Name:	ROSECRANS SHELL
SWRCB Global ID:	T0608146580
Funding:	N - Non-Billable
Lead Agency:	DEH/SAM
Lead Agency Date:	01/20/1989
Census Tract:	214.00
Community:	San Diego
Jurisdiction:	SAN DIEGO
Watershed Basin Number:	908.1
Water Purveyor:	SAN DIEGO
Fire Agency:	SAN DIEGO
Latitude:	32.7315643
Longitude:	-117.2236709
X MapCoord:	6262242.199

SHELL SERVICE STATION (Continued) **S104577959**

Y MapCoord: 1847364.293

CERS:
Name: ROSECRANS SHELL
Address: 1930 ROSECRANS ST
City,State,Zip: SAN DIEGO, CA 92106
Site ID: 230442
CERS ID: T0608146580
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JON SENAHA - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: ROSECRANS SHELL
Address: 1930 ROSECRANS ST
City,State,Zip: SAN DIEGO, CA 92106
Site ID: 230442
CERS ID: T0608171734
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JON SENAHA - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

X101 **SHELL SERVICE STATION** **LUST** **S102437255**
North **1930 ROSECRANS ST** **San Diego Co. HMMD** **N/A**
1/4-1/2 **SAN DIEGO, CA 92106** **CERS HAZ WASTE**
0.475 mi. **EMI**
2508 ft. **Site 2 of 3 in cluster X** **CERS**

Relative:
Higher

Actual:
22 ft.

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT478
Local Case: T00030
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: CDET
Local Agency: San Diego
How Found: Not reported
How Stopped: Not reported

SHELL SERVICE STATION (Continued) **S102437255**

Source: Not reported
Cause: Not reported
Lead Agency: Local Agency
Case Type: Soil only
Date Found: / /
Date Stopped: / /
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 12/03/1985
Enforce Date: Not reported
Closed Date: 3/18/87
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.10
GW Depth: Not reported
Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Not reported
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HMMD SAN DIEGO:
Name: JOE'S AUTO REPAIR
Address: 1930 ROSECRANS ST
City,State,Zip: SAN DIEGO, CA 92106
Permit Number: 204688
Business Type: 6HK26
EPA Id Number: CAL000291793
APN: 530-331-12-00
Last HMMD Inspection: 12/30/2010
Facility Telephone: 619-222-2280
Permit Status: SUSP
Permit Expiration: 08/31/2011
Date Last Updated: 11/02/2012
Facility Owner: JALAL ABOU
Facility Mailing Address: 1930 ROSECRANS ST
Facility Mailing City: SAN DIEGO
Facility Mailing State: CA
Facility Mailing Zip: 92106
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 204688
Update Date: 11/02/2012

SHELL SERVICE STATION (Continued) **S102437255**

Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 204688
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: SUMP SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 204688
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: 1X NEW; 1X USED
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 204688
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: INTERSTATE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 204688
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 204688
Update Date: 11/02/2012
Inspection Date: 12/30/2010
Violation Code: 6HV0223
Violation: MISMANAGED NON-EMPTY CONTAINER/LINER
Violation Citation: Failed to properly manage non-empty container or inner liner removed from a container. 66261.7 (b), (d) &/or (r)
Activity: SUSP

Permit Number: 204688
Update Date: 11/02/2012
Inspection Date: 12/30/2010
Violation Code: 6HV0227

SHELL SERVICE STATION (Continued) **S102437255**

Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: SUSP

Permit Number: 204688
Update Date: 11/02/2012
Inspection Date: 12/30/2010
Violation Code: 6HV0228
Violation: CONTAINER NOT KEPT CLOSED
Violation Citation: Failed to keep container closed. CFR 265.173
Activity: SUSP

Permit Number: 204688
Update Date: 11/02/2012
Inspection Date: 08/14/2008
Violation Code: 6HV1013
Violation: HMBP NOT AVAILABLE FOR REVIEW
Violation Citation: Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity: SUSP

Permit Number: 204688
Update Date: 11/02/2012
Inspection Date: 08/14/2008
Violation Code: 6HV0136
Violation: NO DISPOSAL RECORDS: BATTERIES
Violation Citation: Generator has not maintained onsite documentation for lead-acid battery disposal. CCR 66266.81(a)(4)(B)
Activity: SUSP

Permit Number: 204688
Update Date: 11/02/2012
Inspection Date: 08/14/2008
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: SUSP

Name: JOE’S AUTO REPAIR
Address: 1930 ROSECRANS ST
City,State,Zip: SAN DIEGO, CA 92106
Permit Number: 204688
Business Type: 6HK26
EPA Id Number: CAL000291793
APN: 530-331-12-00
Last HMMD Inspection: 12/30/2010
Facility Telephone: 619-222-2280
Permit Status: SUSP
Permit Expiration: 08/31/2011
Date Last Updated: 11/02/2012
Facility Owner: JALAL ABOU
Facility Mailing Address: 1930 ROSECRANS ST
Facility Mailing City: SAN DIEGO
Facility Mailing State: CA
Facility Mailing Zip: 92106

SHELL SERVICE STATION (Continued) **S102437255**

UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 204688
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 204688
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: SUMP SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 204688
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: 1X NEW; 1X USED
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 204688
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: INTERSTATE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 204688
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 204688
Update Date: 11/02/2012

SHELL SERVICE STATION (Continued) **S102437255**

Inspection Date:	12/30/2010
Violation Code:	6HV0223
Violation:	MISMANAGED NON-EMPTY CONTAINER/LINER
Violation Citation:	Failed to properly manage non-empty container or inner liner removed from a container. 66261.7 (b), (d) &/or (r)
Activity:	SUSP

Permit Number:	204688
Update Date:	11/02/2012
Inspection Date:	12/30/2010
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	SUSP

Permit Number:	204688
Update Date:	11/02/2012
Inspection Date:	12/30/2010
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	SUSP

Permit Number:	204688
Update Date:	11/02/2012
Inspection Date:	08/14/2008
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity:	SUSP

Permit Number:	204688
Update Date:	11/02/2012
Inspection Date:	08/14/2008
Violation Code:	6HV0136
Violation:	NO DISPOSAL RECORDS: BATTERIES
Violation Citation:	Generator has not maintained onsite documentation for lead-acid battery disposal. CCR 66266.81(a)(4)(B)
Activity:	SUSP

Permit Number:	204688
Update Date:	11/02/2012
Inspection Date:	08/14/2008
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	SUSP

Name:	JOE’S AUTO REPAIR
Address:	1930 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	204688
Business Type:	6HK26
EPA Id Number:	CAL000291793

SHELL SERVICE STATION (Continued) **S102437255**

APN: 530-331-12-00
Last HMMD Inspection: 12/30/2010
Facility Telephone: 619-222-2280
Permit Status: SUSP
Permit Expiration: 08/31/2011
Date Last Updated: 11/02/2012
Facility Owner: JALAL ABOU
Facility Mailing Address: 1930 ROSECRANS ST
Facility Mailing City: SAN DIEGO
Facility Mailing State: CA
Facility Mailing Zip: 92106
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 204688
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 204688
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: SUMP SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 204688
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: 1X NEW; 1X USED
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 204688
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: INTERSTATE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 204688
Update Date: 11/02/2012

SHELL SERVICE STATION (Continued) **S102437255**

Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 204688
Update Date: 11/02/2012
Inspection Date: 12/30/2010
Violation Code: 6HV0223
Violation: MISMANAGED NON-EMPTY CONTAINER/LINER
Violation Citation: Failed to properly manage non-empty container or inner liner removed from a container. 66261.7 (b), (d) &/or (r)
Activity: SUSP

Permit Number: 204688
Update Date: 11/02/2012
Inspection Date: 12/30/2010
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: SUSP

Permit Number: 204688
Update Date: 11/02/2012
Inspection Date: 12/30/2010
Violation Code: 6HV0228
Violation: CONTAINER NOT KEPT CLOSED
Violation Citation: Failed to keep container closed. CFR 265.173
Activity: SUSP

Permit Number: 204688
Update Date: 11/02/2012
Inspection Date: 08/14/2008
Violation Code: 6HV1013
Violation: HMBP NOT AVAILABLE FOR REVIEW
Violation Citation: Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity: SUSP

Permit Number: 204688
Update Date: 11/02/2012
Inspection Date: 08/14/2008
Violation Code: 6HV0136
Violation: NO DISPOSAL RECORDS: BATTERIES
Violation Citation: Generator has not maintained onsite documentation for lead-acid battery disposal. CCR 66266.81(a)(4)(B)
Activity: SUSP

Permit Number: 204688
Update Date: 11/02/2012
Inspection Date: 08/14/2008
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank.

SHELL SERVICE STATION (Continued) **S102437255**

66262.34(f)
Activity: SUSP

CERS HAZ WASTE:

Name:	JOE'S AUTO REPAIR
Address:	1930 ROSECRANS ST STE B
City,State,Zip:	SAN DIEGO, CA 92106
Site ID:	40176
CERS ID:	10382686
CERS Description:	Hazardous Waste Generator

EMI:

Name:	SHELL OIL / ROSECRANS ST
Address:	1930 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	1285
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SHELL OIL / ROSECRANS ST
Address:	1930 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	1285
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

CERS:

Name:	JOE'S AUTO REPAIR
Address:	1930 ROSECRANS ST STE B

SHELL SERVICE STATION (Continued) **S102437255**

City,State,Zip: SAN DIEGO, CA 92106
Site ID: 40176
CERS ID: 10382686
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 40176
Site Name: JOE'S AUTO REPAIR
Violation Date: 09-22-2015
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain and/or maintain an Active EPA ID.
Violation Notes: Returned to compliance on 10/01/2015.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 40176
Site Name: JOE'S AUTO REPAIR
Violation Date: 09-01-2011
Citation: HSC 6.95 25503.5(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25503.5(a)
Violation Description: Owner/Operator failed to establish and implement a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes: Returned to compliance on 09/13/2011.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 40176
Site Name: JOE'S AUTO REPAIR
Violation Date: 09-16-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 09/16/2019. Inspection Sequence ID:6266023
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 40176
Site Name: JOE'S AUTO REPAIR
Violation Date: 09-01-2011
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain and/or maintain an Active EPA ID.
Violation Notes: Returned to compliance on 09/13/2011.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 09-01-2011

SHELL SERVICE STATION (Continued) **S102437255**

Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspector: Joaquino Billie Marcos Inspection ID:4927755
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-16-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Joaquino Billie Inspection ID:6266023
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-22-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Joaquino Billie Marcos Inspection ID:4919203
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-22-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Joaquino Billie Marcos Inspection ID:4919203
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-31-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Joaquino Billie Marcos Inspection ID:4085476
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-31-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Joaquino Billie Marcos Inspection ID:4085476
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	09-01-2011
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspector: Joaquino Billie Marcos Inspection ID:4927755

SHELL SERVICE STATION (Continued) **S102437255**

Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-16-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Joaquino Billie Inspection ID:6266023
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-22-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Joaquino BillieMarcos Inspection ID:5746046
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-22-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Joaquino BillieMarcos Inspection ID:5746046
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: RAAD ESHO
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: RAAD ESHO
Entity Title: Not reported
Affiliation Address: 1930 Rosecrans St Ste B
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92106
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1930 Rosecrans St Ste B
Affiliation City: San Diego

SHELL SERVICE STATION (Continued) **S102437255**

Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92106
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	RAAD ESHO
Entity Title:	MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Operator
Entity Name:	LAKESIDE AUTO REPAIR & SALES, INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(619) 222-2280,
Affiliation Type Desc:	Legal Owner
Entity Name:	LAKESIDE AUTO REPAIR & SALES, INC
Entity Title:	Not reported
Affiliation Address:	1930 Rosecrans St Ste B
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92106
Affiliation Phone:	(619) 222-2280,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Joe’s Auto Repair
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

X102 **ROSECRANS SHELL** **SAN DIEGO CO. SAM** **U003789103**
North **1930 ROSECRANS ST** **UST** **N/A**
1/4-1/2 **SAN DIEGO, CA 92106** **San Diego Co. HMMD**
0.475 mi. **SWEEPS UST**
2508 ft. **Site 3 of 3 in cluster X** **Cortese**

Relative: **Higher**
Actual: **22 ft.**

SAN DIEGO CO. SAM:

Name:	ROSECRANS SHELL
Address:	1930 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Case Number:	H03213-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	GW With No Beneficial Use Designation
Facility Status:	Closed Case
Date:	2/20/2007
Date Began:	12/13/2001

Name:	ROSECRANS SHELL
Address:	1930 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Case Number:	H03213-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Failed Integrity Test
Facility Status:	Closed Case
Date:	11/13/1989
Date Began:	1/15/1989

UST:

Name:	ROSECRANS SHELL
Address:	1930 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Facility ID:	H03213
Permitting Agency:	SAN DIEGO COUNTY
CERSID:	Not reported
Latitude:	32.7329704
Longitude:	-117.2223699

HMMD SAN DIEGO:

Name:	ROSECRANS SHELL
Address:	1930 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	103213
Business Type:	6HK28
EPA Id Number:	Not reported
APN:	530-331-12-00
Last HMMD Inspection:	03/12/2001
Facility Telephone:	619-222-3303
Permit Status:	INAC
Permit Expiration:	06/30/2002
Date Last Updated:	11/02/2012
Facility Owner:	EQUILON ENTERPRISES LLC
Facility Mailing Address:	20945 S. WILMINGTON AVE
Facility Mailing City:	CARSON
Facility Mailing State:	CA
Facility Mailing Zip:	90810
UST Owner:	EQUILON ENTERPRISES LLC

ROSECRANS SHELL (Continued) **U003789103**

Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 103213 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 103213
Tank Type: SINGLE WALL
Additional Id: 1
Capacity Gallons: 8000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1986-11-08 00:00:00
Year Installed: 1966-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 103213 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 103213
Tank Type: SINGLE WALL
Additional Id: I
Capacity Gallons: 550
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1986-11-08 00:00:00
Year Installed: 1966-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 103213 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 103213
Tank Type: SINGLE WALL
Additional Id: 3
Capacity Gallons: 5000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1986-11-08 00:00:00
Year Installed: 1966-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

ROSECRANS SHELL (Continued) **U003789103**

UST Name:	UNDERGROUND TANK 103213 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	103213
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	5000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1966-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 103213 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	103213
Tank Type:	SINGLE WALL
Additional Id:	5
Capacity Gallons:	8000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1970-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 103213 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	103213
Tank Type:	DOUBLE WALL
Additional Id:	AT4731 MANIFOLDED TO T007
Capacity Gallons:	7800
UST Contents:	Not reported
Other Content Info:	GASOLINE(TYPE UNKNOWN)
Reg Status:	REMOVED
Remove Close Date:	2001-12-13 00:00:00
Year Installed:	1986-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 103213 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	103213
Tank Type:	DOUBLE WALL
Additional Id:	AT4731 MANIFOLDED TO T006
Capacity Gallons:	7800

ROSECRANS SHELL (Continued) **U003789103**

UST Contents:	Not reported
Other Content Info:	GASOLINE(TYPE UNKNOWN)
Reg Status:	REMOVED
Remove Close Date:	2001-12-13 00:00:00
Year Installed:	1986-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 103213 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	103213
Tank Type:	DOUBLE WALL
Additional Id:	AT4731 PLUS
Capacity Gallons:	7800
UST Contents:	Not reported
Other Content Info:	GASOLINE(TYPE UNKNOWN)
Reg Status:	REMOVED
Remove Close Date:	2001-12-13 00:00:00
Year Installed:	1986-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 103213 T009
Last Update:	2012-11-02 14:17:38
Permit Number:	103213
Tank Type:	DOUBLE WALL
Additional Id:	AT4731 SUPER
Capacity Gallons:	7800
UST Contents:	Not reported
Other Content Info:	GASOLINE(TYPE UNKNOWN)
Reg Status:	REMOVED
Remove Close Date:	2001-12-13 00:00:00
Year Installed:	1986-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SWEEPS UST:

Name:	ROSECRANS SHELL
Address:	1930 ROSECRANS ST
City:	SAN DIEGO
Status:	Not reported
Comp Number:	3213
Number:	Not reported
Board Of Equalization:	44-000074
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported

ROSECRANS SHELL (Continued) **U003789103**

Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003213-000001
Tank Status:	Not reported
Capacity:	8000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	5

Name:	ROSECRANS SHELL
Address:	1930 ROSECRANS ST
City:	SAN DIEGO
Status:	Not reported
Comp Number:	3213
Number:	Not reported
Board Of Equalization:	44-000074
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003213-000002
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	WASTE
Content:	Not reported
Number Of Tanks:	Not reported

Name:	ROSECRANS SHELL
Address:	1930 ROSECRANS ST
City:	SAN DIEGO
Status:	Not reported
Comp Number:	3213
Number:	Not reported
Board Of Equalization:	44-000074
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003213-000003
Tank Status:	Not reported
Capacity:	5000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

Name:	ROSECRANS SHELL
Address:	1930 ROSECRANS ST
City:	SAN DIEGO
Status:	Not reported
Comp Number:	3213
Number:	Not reported
Board Of Equalization:	44-000074

ROSECRANS SHELL (Continued) **U003789103**

Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003213-000004
Tank Status:	Not reported
Capacity:	5000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

Name:	ROSECRANS SHELL
Address:	1930 ROSECRANS ST
City:	SAN DIEGO
Status:	Not reported
Comp Number:	3213
Number:	Not reported
Board Of Equalization:	44-000074
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003213-000005
Tank Status:	Not reported
Capacity:	8000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

Name:	ROSECRANS SHELL
Address:	1930 ROSECRANS ST
City:	SAN DIEGO
Status:	Active
Comp Number:	3213
Number:	9
Board Of Equalization:	44-000074
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003213-000006
Tank Status:	A
Capacity:	7500
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	4

Name:	ROSECRANS SHELL
Address:	1930 ROSECRANS ST
City:	SAN DIEGO
Status:	Active

ROSECRANS SHELL (Continued) **U003789103**

Comp Number: 3213
Number: 9
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003213-000007
Tank Status: A
Capacity: 7500
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Name: ROSECRANS SHELL
Address: 1930 ROSECRANS ST
City: SAN DIEGO
Status: Active
Comp Number: 3213
Number: 9
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003213-000008
Tank Status: A
Capacity: 7500
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Name: ROSECRANS SHELL
Address: 1930 ROSECRANS ST
City: SAN DIEGO
Status: Active
Comp Number: 3213
Number: 9
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003213-000009
Tank Status: A
Capacity: 7500
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

ROSECRANS SHELL (Continued) **U003789103**

CORTESE:

Name:	ROSECRANS SHELL
Address:	1930 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0608171734
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

W103
WSW
1/4-1/2
0.478 mi.
2524 ft.

CABRILLO MOTOR LODGE
1150 ROSECRANS ST
SAN DIEGO, CA 92106

Site 3 of 3 in cluster W

SAN DIEGO CO. SAM
CPS-SLIC
San Diego Co. HMMD
CERS

S104755792
N/A

Relative:
Higher

Actual:
24 ft.

SAN DIEGO CO. SAM:

Name:	CABRILLO MOTOR LODGE
Address:	1150 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Case Number:	H36818-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	8/18/1997
Date Began:	Not reported

CPS-SLIC:

Name:	CABRILLO MOTOR LODGE
Address:	1150 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	08/18/1997
Global Id:	T0608176935
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H36818-001
Latitude:	32.722277
Longitude:	-117.231613
Case Type:	Cleanup Program Site

CABRILLO MOTOR LODGE (Continued) **S104755792**

Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

HMMD SAN DIEGO:

Name:	CABRILLO MOTOR LODGE
Address:	1150 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Permit Number:	136818
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	531-321-05-00
Last HMMD Inspection:	Not reported
Facility Telephone:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Date Last Updated:	11/02/2012
Facility Owner:	DHANSWCHAL R. PATEL
Facility Mailing Address:	1150 ROSECRANS ST
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92106-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

CERS:

Name:	CABRILLO MOTOR LODGE
Address:	1150 ROSECRANS ST
City,State,Zip:	SAN DIEGO, CA 92106
Site ID:	240507
CERS ID:	T0608176935
CERS Description:	Cleanup Program Site

Y104
NNE
1/2-1
0.643 mi.
3394 ft.

NAVAL TRAINING STATION **ENVIROSTOR** **S107736858**
N/A

SAN DIEGO, CA

Site 1 of 2 in cluster Y

Relative:
Higher
Actual:
18 ft.

ENVIROSTOR:

Name:	NAVAL TRAINING STATION
Address:	Not reported
City,State,Zip:	SAN DIEGO, CA
Facility ID:	80000795
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005

NAVAL TRAINING STATION (Continued) **S107736858**

Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 78
Senate: 39
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 32.73333
Longitude: -117.2186
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799FA03500
Alias Type: Federal Facility ID
Alias Name: J09CA7212
Alias Type: INPR
Alias Name: 80000795
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 09/21/1999
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Y105 **NAVAL TRAINING STATION** **FUDS** **1024903950**
NNE **N/A**
1/2-1 **SAN DIEGO, CA**
0.643 mi.
3395 ft. **Site 2 of 2 in cluster Y**

Relative: Higher
Actual: 18 ft.

FUDS:
EPA Region: 9
Installation ID: CA99799FA03500
Congressional District Number: 52
Name: NAVAL TRAINING STATION

NAVAL TRAINING STATION (Continued) **1024903950**

FUDS Number:	J09CA7212
City:	SAN DIEGO
State:	CA
County:	SAN DIEGO
Object ID:	9545
USACE Division:	SPD
USACE District:	Los Angeles District (SPL)
Status:	Properties without projects
Current Owner:	Not reported
EMS Map Link:	https://fudsportal.usace.army.mil/ems/ems/inventory/map/map?id=54225
Eligibility:	Eligible
Has Projects:	No
NPL Status:	Not on the NPL
Property History:	Between 1 December 1916 and 21 July 1975 the Navy acquired a total of 544.8 acres primarily from the City of San Diego and private parties in fee, condemnation, exchange, transfer, and donation. The Naval Training Station officially opened as a Naval recruit training station on 1 June 1923. Currently, the Naval Training Station (renamed Naval Training Center (NTC) in 1944) continues to provide basic training (including firearms and combat training) and specialized schooling (e.g., mess specialists and interior communications) to sailors recruited in the western United States. The Navy constructed numerous buildings and service facilities on the site, including: barracks, Bachelor Officer Quarters/Bachelor Enlisted Quarters (BOQs/BEQs); recruit training classrooms; 11th Naval District administrative and logistical offices; Morale Welfare Recreation (MWR) service facilities; mess hall; post exchange; and gasoline station. On 2 February 1971, the Navy transferred by quitclaim deed 12.33 acres to the City of San Diego. The disposed Navy property is on the waterfront of San Diego Bay and is within an area of 130.53 acres gained by filling in tidelands and re-establishing the pierhead line. The reclaimed property was provided to the Navy by deed (dated 3 August 1933) from the City of San Diego. The 12.33-acre NTC disposal was part of a 20.87-acre transfer to the City of San Diego, of which 8.54 acres was disposed of by the adjacent Marine Corps Recruit Depot (Marine Corps Base DERP-FUDS Site No. J09CA 712300). The 12.33-acre site is located south of Harbor Drive, southeast of the current NTC property boundary line, and north of Harbor Island. No buildings were known to have been constructed on the disposed property by the Navy during DOD ownership and no training activities are known to have occurred there. The disposed property has been developed into a portion of the City of San Diego’s Spanish Landing Park and accompanying parking lot. Not reported
Project Required:	No
Feature Description:	Not reported
Latitude:	32.73333333
Longitude:	-117.21861111

106 | **West** | **1/2-1** | **0.683 mi.** | **3607 ft.**

3422 ADDISON
SAN DIEGO, CA 92106

Notify 65 — **S100178401** / **N/A**

Relative: Higher
Actual: 139 ft.

NOTIFY 65:

Name:	Not reported
Address:	3422 ADDISON
City,State,Zip:	SAN DIEGO, CA 92106-2503
Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported
Global ID:	Not reported
Status:	Not reported

---

107 | **SSW** | **1/2-1** | **0.779 mi.** | **4112 ft.**

SAN DIEGO HARBOR
SHELTER ISLAND PIER
SAN DIEGO, CA

Notify 65 — **S100178166** / **N/A**

Relative: Higher
Actual: 10 ft.

NOTIFY 65:

Name:	SAN DIEGO HARBOR
Address:	SHELTER ISLAND PIER
City,State,Zip:	SAN DIEGO, CA
Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported
Global ID:	Not reported
Status:	Not reported

---

108 | **East** | **1/2-1** | **0.779 mi.** | **4114 ft.**

NEAR MARINA CORTEZ FUEL DOCK
1880 HARBOR ISLAND DR.
SAN DIEGO, CA 92101

CHMIRS / **Notify 65** — **S100178444** / **N/A**

Relative: Lower
Actual: 0 ft.

CHMIRS:

Name:	Not reported
Address:	1880 HARBOR ISLAND DR.
City,State,Zip:	SAN DIEGO, CA
OES Incident Number:	1-2593
OES notification:	05/04/2001
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported

NEAR MARINA CORTEZ FUEL DOCK (Continued) **S100178444**

Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego Harbor
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2001
Agency:	NRC
Incident Date:	5/4/200112:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Ship/Harbor/Port
E Date:	Not reported
Substance:	Motor Oil
Unknown:	UNK
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The material released from a ruptured hose.

NEAR MARINA CORTEZ FUEL DOCK (Continued) **S100178444**

Name:	Not reported
Address:	1880 HARBOR ISLAND DR.
City,State,Zip:	SAN DIEGO, CA
OES Incident Number:	2-0298
OES notification:	01/16/2002
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2002
Agency:	NRC
Incident Date:	1/16/200212:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Unknown
Site Type:	Ship/Harbor/Port
E Date:	Not reported
Substance:	Gasoline
Gallons:	.5
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0

NEAR MARINA CORTEZ FUEL DOCK (Continued) **S100178444**

Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per the NRC report, a vessel was leaking gasoline into the water. The vessel is half submerged under water.

Name:	Not reported
Address:	1880 HARBOR ISLAND DR.
City,State,Zip:	SAN DIEGO, CA
OES Incident Number:	1-6090
OES notification:	10/22/2001
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego Harbor
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported

NEAR MARINA CORTEZ FUEL DOCK (Continued) **S100178444**

Year:	2001
Agency:	NRC
Incident Date:	10/22/200112:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Unknown
Site Type:	Ship/Harbor/Port
E Date:	Not reported
Substance:	Oil Diesel
Unknown:	Unknown
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	NRC: The caller is reporting an unknown sheen in the marina.

NOTIFY 65:

Name:	NEAR MARINA CORTEZ FUEL DOCK
Address:	1880 HARBOR ISLAND DR.
City,State,Zip:	SAN DIEGO, CA 92101-1019
Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported
Global ID:	Not reported
Status:	Not reported

109
ENE
1/2-1
0.831 mi.
4388 ft.

SAN DIEGO CITY SEWER PUMP STA
4077 N HARBOR DR
SAN DIEGO, CA 92101

ENVIROSTOR
WDS
CIWQS

S103957296
N/A

Relative:
Higher

Actual:
12 ft.

ENVIROSTOR:

Name:	SAN DIEGO CITY, METRO PUMP STATION 2
Address:	4077 N. HARBOR DRIVE
City,State,Zip:	SAN DIEGO, CA 92101
Facility ID:	71003629
Status:	Inactive - Needs Evaluation
Status Date:	Not reported
Site Code:	Not reported
Site Type:	Tiered Permit

SAN DIEGO CITY SEWER PUMP STA (Continued) **S103957296**

Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Cypress
Assembly: 78
Senate: 39
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 32.72915
Longitude: -117.2089
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAL000042205
Alias Type: EPA Identification Number
Alias Name: 71003629
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

WDS:
Name: SAN DIEGO CITY SEWER PUMP STA
Address: 4077 N Harbor Dr
City: SAN DIEGO
Facility ID: San Diego 37I017132
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7

SAN DIEGO CITY SEWER PUMP STA (Continued) **S103957296**

	are assigned by the Regional Board
Subregion:	9
Facility Telephone:	619694929
Facility Contact:	STANLEY RIM
Agency Name:	SAN DIEGOCITY OF
Agency Address:	4918 N Harbor Dr Ste 201
Agency City,St,Zip:	San Diego 921062358
Agency Contact:	WASSERMAN LARRY
Agency Telephone:	6196924944
Agency Type:	City
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:

Name:	SAN DIEGO CITY SEWER PUMP STA
Address:	4077 N HARBOR DR
City,State,Zip:	SAN DIEGO, CA 92101
Agency:	San Diego City
Agency Address:	2392 Kincaid Rd, San Diego, CA 92101
Place/Project Type:	Industrial - Sewerage Systems
SIC/NAICS:	4952
Region:	9
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	9 37I017132
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	03/12/2002
Termination Date:	11/04/2014
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported

SAN DIEGO CITY SEWER PUMP STA (Continued) **S103957296**

Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	32.72919
Longitude:	-117.20798

Z110
NE
1/2-1
0.996 mi.
5258 ft.

MARINE CORPS RECRUITING /WRR
BLDG 514 MARINE CORPS REC
SAN DIEGO, CA

Site 1 of 2 in cluster Z

Notify 65 **S100179557** **N/A**

Relative: Higher
Actual: 12 ft.

NOTIFY 65:

Name:	MARINE CORPS RECRUITING /WRR
Address:	BLDG 514 MARINE CORPS REC
City,State,Zip:	SAN DIEGO, CA
Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported
Global ID:	Not reported
Status:	Not reported

Z111
NE
1/2-1
0.996 mi.
5258 ft.

MARINE CORPS RECRUIT DEPOT
BUILDING 514
SAN DIEGO, CA

Site 2 of 2 in cluster Z

Notify 65 **S100179586** **N/A**

Relative: Higher
Actual: 12 ft.

NOTIFY 65:

Name:	MARINE CORPS RECRUIT DEPOT
Address:	BUILDING 514
City,State,Zip:	SAN DIEGO, CA
Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported
Global ID:	Not reported
Status:	Not reported

Count: 16 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SAN DIEGO	S108407139	MTS-PORT DISTRICT SITE CLOSED	08TH AV & HARBOR DR	92101	SAN DIEGO CO. SAM
SAN DIEGO	S108406975	CAMPBELL INDUSTRIES	08TH AV & HARBOR DR	92101	SAN DIEGO CO. SAM
SAN DIEGO	S126984235	SAN DIEGO CONVENTION CENTER EXPANS	8TH STREET & HARBOR DR.	92101	SWF/LF
SAN DIEGO	S108407288	USN-ASW TRAINING CENTER CST	BLDG 1 HARBOR DR	92147	SAN DIEGO CO. SAM
SAN DIEGO	S110498391	SDG&E - SAMPSON SUBSTATION	0 SE CORNER HARBOR & SAMPSON D	92101	San Diego Co. HMMD
SAN DIEGO	S106797678	INTERNATIONAL GATEWAY	N E OF WILLOW RD & TIA JUANA S	92101	ENVIROSTOR
SAN DIEGO	1008997418	HARBOR DRIVE MOBIL	2805 E HARBOR DR		EDR Hist Auto
SAN DIEGO	S108407291	USN-FLEET ASW TRAINING CENTER	N HARBOR DR	92147	SAN DIEGO CO. SAM
SAN DIEGO	S118504908	WEST HARBOR BASIN	HARBOR ISLAND DRIVE	92101	CPS-SLIC, CERS
SAN DIEGO	S127035020	IQHQ-RADD I	HARBOR DRIVE	92101	CPS-SLIC
SAN DIEGO	S104398077	LIL' SUCKER SERVICES INC	1033 W HARBOR ISLAND DR	92101	San Diego Co. HMMD
SAN DIEGO	S122853927	LAUREL TO HAWTHORN STREET EMBAYMEN	HARBOR DRIVE	92101	CPS-SLIC
SAN DIEGO	S106905767	LINDBERGH FIELD PLANT - BLDG 75	HARBOR DRIVE	92101	CPS-SLIC
SAN DIEGO	S105298936	TOSCO IDLE PIPELINE	HARBOR DR	92101	San Diego Co. HMMD
SAN DIEGO	S108407045	FETTER COMMERCIAL PROPERTY	ROSECRANS ST	92106	SAN DIEGO CO. SAM
SAN DIEGO	S126984229	SUNSET CLIFFS BURNSITE	VOLTAIRE/NIMITZ BL	92106	SWF/LF

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 06/01/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 06/01/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 06/01/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/01/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/01/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/01/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/08/2022
Date Data Arrived at EDR: 02/11/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 88

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/05/2022
Next Scheduled EDR Contact: 08/22/2022
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/21/2022
Date Data Arrived at EDR: 02/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/24/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/21/2022
Date Data Arrived at EDR: 02/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/04/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 03/01/2022
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 9

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/22/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 01/24/2022
Date Data Arrived at EDR: 01/25/2022
Date Made Active in Reports: 04/13/2022
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/26/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control’s (DTSC’s) Site Mitigation and Brownfields Reuse Program’s (SMBRP’s) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 01/24/2022
Date Data Arrived at EDR: 01/25/2022
Date Made Active in Reports: 04/13/2022
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/26/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/07/2022
Date Data Arrived at EDR: 02/08/2022
Date Made Active in Reports: 05/05/2022
Number of Days to Update: 86

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 05/09/2022
Next Scheduled EDR Contact: 08/22/2022
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)
Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 1

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 1

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 88

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/04/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 86

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Semi-Annually

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/03/2022
Number of Days to Update: 87

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/10/2022
Next Scheduled EDR Contact: 06/27/2022
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/16/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 01/24/2022
Date Data Arrived at EDR: 01/25/2022
Date Made Active in Reports: 04/13/2022
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/26/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Quarterly

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 12/15/2021
Date Data Arrived at EDR: 12/16/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/21/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 0

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/15/2022
Next Scheduled EDR Contact: 06/27/2022
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 86

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 02/15/2022
Date Data Arrived at EDR: 02/24/2022
Date Made Active in Reports: 05/25/2022
Number of Days to Update: 90

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 08/22/2022
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/14/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 02/22/2022
Date Data Arrived at EDR: 02/23/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 76

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/24/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 01/24/2022
Date Data Arrived at EDR: 01/25/2022
Date Made Active in Reports: 04/13/2022
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/26/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 05/12/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 01/18/2022
Date Data Arrived at EDR: 01/19/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 82

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 04/19/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/22/2022
Date Data Arrived at EDR: 02/23/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 76

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/24/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Quarterly

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 12/10/2021
Date Made Active in Reports: 02/25/2022
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 03/11/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 86

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990’s. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HIST UST: Hazardous Substance Storage Container Database
The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing
Aboveground storage tank sites

Date of Government Version: 02/03/2022
Date Data Arrived at EDR: 02/04/2022
Date Made Active in Reports: 05/02/2022
Number of Days to Update: 87

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks
List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 01/18/2022
Date Data Arrived at EDR: 01/19/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 82

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/19/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 02/24/2022
Date Data Arrived at EDR: 02/25/2022
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 12

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 06/01/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 02/28/2022	Source: DTSC and SWRCB
Date Data Arrived at EDR: 02/28/2022	Telephone: 916-323-3400
Date Made Active in Reports: 05/25/2022	Last EDR Contact: 05/31/2022
Number of Days to Update: 86	Next Scheduled EDR Contact: 09/12/2022
	Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/15/2021	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 12/16/2021	Telephone: 202-366-4555
Date Made Active in Reports: 03/10/2022	Last EDR Contact: 03/21/2022
Number of Days to Update: 84	Next Scheduled EDR Contact: 07/04/2022
	Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/2021	Source: Office of Emergency Services
Date Data Arrived at EDR: 01/19/2022	Telephone: 916-845-8400
Date Made Active in Reports: 04/08/2022	Last EDR Contact: 04/19/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 08/01/2022
	Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/23/2022	Source: State Water Qualilty Control Board
Date Data Arrived at EDR: 05/23/2022	Telephone: 866-480-1028
Date Made Active in Reports: 05/24/2022	Last EDR Contact: 05/23/2022
Number of Days to Update: 1	Next Scheduled EDR Contact: 09/19/2022
	Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/23/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/23/2022	Telephone: 866-480-1028
Date Made Active in Reports: 05/24/2022	Last EDR Contact: 05/23/2022
Number of Days to Update: 1	Next Scheduled EDR Contact: 09/19/2022
	Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 04/06/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/01/2021
Date Data Arrived at EDR: 02/15/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 84

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/17/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/12/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/05/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/06/2022
Next Scheduled EDR Contact: 08/22/2022
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 12/13/2021
Date Data Arrived at EDR: 12/17/2021
Date Made Active in Reports: 03/17/2022
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/21/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/06/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/18/2022
Next Scheduled EDR Contact: 06/27/2022
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/20/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 01/19/2022
Date Data Arrived at EDR: 01/19/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 82

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/20/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/01/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/18/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 02/25/2022
Number of Days to Update: 22

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 06/01/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 64

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/08/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 03/31/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/24/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 87

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 04/18/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 84

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 06/02/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/06/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 03/28/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/26/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 01/14/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 70

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/04/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 23

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/02/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/05/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/16/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/01/2022
Date Data Arrived at EDR: 02/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 90

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/22/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 3

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 05/26/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing
This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing
Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines
An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/14/2021
Date Data Arrived at EDR: 12/15/2021
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 85

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/02/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System
Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/13/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 13

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 05/18/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing
A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information
ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/01/2022
Date Data Arrived at EDR: 01/04/2022
Date Made Active in Reports: 01/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 04/05/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/11/2022
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 34

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/12/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/17/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 82

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/17/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 12/16/2021
Date Data Arrived at EDR: 12/16/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 77

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 03/21/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 12/07/2021
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 05/17/2022
Number of Days to Update: 8

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 05/09/2022
Next Scheduled EDR Contact: 08/22/2022
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner’s agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/27/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 79

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 06/01/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Annually

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 02/17/2022
Date Data Arrived at EDR: 02/24/2022
Date Made Active in Reports: 05/18/2022
Number of Days to Update: 83

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 02/24/2022
Date Data Arrived at EDR: 02/25/2022
Date Made Active in Reports: 05/18/2022
Number of Days to Update: 82

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 78

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/18/2022
Next Scheduled EDR Contact: 06/27/2022
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 04/12/2022
Date Data Arrived at EDR: 04/19/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 42

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/19/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 01/13/2022
Date Data Arrived at EDR: 01/14/2022
Date Made Active in Reports: 04/08/2022
Number of Days to Update: 84

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 02/24/2022
Date Made Active in Reports: 05/18/2022
Number of Days to Update: 83

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 08/22/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/08/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/14/2022
Date Data Arrived at EDR: 02/15/2022
Date Made Active in Reports: 05/12/2022
Number of Days to Update: 86

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 05/17/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/14/2022
Date Data Arrived at EDR: 02/15/2022
Date Made Active in Reports: 05/12/2022
Number of Days to Update: 86

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/17/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 01/04/2022
Date Made Active in Reports: 03/18/2022
Number of Days to Update: 73

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/05/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/01/2022
Number of Days to Update: 85

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 02/17/2022
Date Data Arrived at EDR: 02/28/2022
Date Made Active in Reports: 05/25/2022
Number of Days to Update: 86

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 05/31/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 02/07/2022
Date Data Arrived at EDR: 02/08/2022
Date Made Active in Reports: 05/05/2022
Number of Days to Update: 86

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/09/2022
Next Scheduled EDR Contact: 08/22/2022
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 02/28/2022
Date Made Active in Reports: 05/25/2022
Number of Days to Update: 86

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 05/31/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 86

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/13/2021
Date Data Arrived at EDR: 12/14/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/09/2022
Next Scheduled EDR Contact: 06/26/2022
Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 86

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region’s active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 04/08/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/16/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing
In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 03/07/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/03/2022
Number of Days to Update: 87

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 02/28/2022
Date Made Active in Reports: 05/25/2022
Number of Days to Update: 86

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 05/31/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 01/18/2022
Date Data Arrived at EDR: 01/19/2022
Date Made Active in Reports: 04/08/2022
Number of Days to Update: 79

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/19/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/23/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Varies

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 03/31/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Semi-Annually

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 03/31/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System
DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/05/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 04/26/2022
Number of Days to Update: 21

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 04/05/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/27/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/31/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Semi-Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/31/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 12/28/2021
Date Data Arrived at EDR: 12/28/2021
Date Made Active in Reports: 03/18/2022
Number of Days to Update: 80

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List

Cupa Facility List

Date of Government Version: 02/04/2022
Date Data Arrived at EDR: 02/04/2022
Date Made Active in Reports: 05/02/2022
Number of Days to Update: 87

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 05/12/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 03/31/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 12/28/2021
Date Data Arrived at EDR: 12/28/2021
Date Made Active in Reports: 03/18/2022
Number of Days to Update: 80

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/17/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 01/24/2022
Date Data Arrived at EDR: 01/25/2022
Date Made Active in Reports: 04/14/2022
Number of Days to Update: 79

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 01/10/2022
Date Data Arrived at EDR: 01/26/2022
Date Made Active in Reports: 04/14/2022
Number of Days to Update: 78

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 05/04/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/16/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 82

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 06/02/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/28/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 72

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/31/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 04/14/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 01/13/2022
Date Data Arrived at EDR: 01/14/2022
Date Made Active in Reports: 04/06/2022
Number of Days to Update: 82

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/18/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 02/10/2022
Date Data Arrived at EDR: 02/11/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 82

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 02/10/2022
Date Data Arrived at EDR: 02/11/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 82

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county’s Certified Unified Program Agency database. California’s Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 02/10/2022
Date Data Arrived at EDR: 02/11/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 82

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/11/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 04/14/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 03/10/2022
Next Scheduled EDR Contact: 06/27/2022
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 04/04/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 04/13/2022
Number of Days to Update: 8

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/04/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/10/2022
Date Data Arrived at EDR: 01/11/2022
Date Made Active in Reports: 04/04/2022
Number of Days to Update: 83

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/12/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2022
Date Data Arrived at EDR: 01/21/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 80

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/08/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/23/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 01/10/2022
Date Data Arrived at EDR: 01/12/2022
Date Made Active in Reports: 04/04/2022
Number of Days to Update: 82

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 04/13/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 06/28/2021
Number of Days to Update: 11

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/21/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 09/14/2021
Number of Days to Update: 89

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/21/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/14/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/08/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/14/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 02/02/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/18/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county’s Certified Unified Program Agency database. California’s Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 03/23/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/15/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/11/2022
Number of Days to Update: 83

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 04/04/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 01/25/2022
Date Data Arrived at EDR: 01/26/2022
Date Made Active in Reports: 04/14/2022
Number of Days to Update: 78

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 01/14/2022
Date Data Arrived at EDR: 02/03/2022
Date Made Active in Reports: 04/14/2022
Number of Days to Update: 70

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/02/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 01/14/2022
Date Data Arrived at EDR: 02/04/2022
Date Made Active in Reports: 05/02/2022
Number of Days to Update: 87

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/02/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 01/14/2022
Date Data Arrived at EDR: 02/01/2022
Date Made Active in Reports: 04/18/2022
Number of Days to Update: 76

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/03/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 05/25/2022
Date Data Arrived at EDR: 05/26/2022
Date Made Active in Reports: 06/01/2022
Number of Days to Update: 6

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 04/14/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 03/31/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 04/08/2022
Number of Days to Update: 8

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/14/2022
Next Scheduled EDR Contact: 06/27/2022
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 03/31/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 04/08/2022
Number of Days to Update: 8

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/14/2022
Next Scheduled EDR Contact: 06/27/2022
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 06/18/2021
Date Data Arrived at EDR: 09/28/2021
Date Made Active in Reports: 12/14/2021
Number of Days to Update: 77

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/31/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 08/02/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 11/02/2021
Number of Days to Update: 90

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/31/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 04/29/2022
Date Data Arrived at EDR: 04/29/2022
Date Made Active in Reports: 05/05/2022
Number of Days to Update: 6

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 05/12/2022
Date Data Arrived at EDR: 05/12/2022
Date Made Active in Reports: 05/18/2022
Number of Days to Update: 6

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 02/28/2022
Date Made Active in Reports: 05/25/2022
Number of Days to Update: 86

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 05/31/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/27/2021
Date Data Arrived at EDR: 03/04/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 88

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/14/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 04/18/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 02/03/2022
Date Data Arrived at EDR: 02/04/2022
Date Made Active in Reports: 02/11/2022
Number of Days to Update: 7

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 02/03/2022
Date Data Arrived at EDR: 02/04/2022
Date Made Active in Reports: 05/02/2022
Number of Days to Update: 87

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Quarterly

SAN FRANCISO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing
a listing of properties that fall within a Maher Ordinance, for all of San Francisco

Date of Government Version: 01/18/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 04/27/2022
Number of Days to Update: 97

Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 05/06/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/10/2022
Next Scheduled EDR Contact: 06/27/2022
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 02/15/2022
Date Data Arrived at EDR: 02/16/2022
Date Made Active in Reports: 05/13/2022
Number of Days to Update: 86

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/11/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/02/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List

Cupa facility list

Date of Government Version: 02/14/2022
Date Data Arrived at EDR: 02/16/2022
Date Made Active in Reports: 05/12/2022
Number of Days to Update: 85

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 05/19/2022
Next Scheduled EDR Contact: 09/05/2022
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/12/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/16/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/16/2022
Next Scheduled EDR Contact: 07/04/2022
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2022
Date Data Arrived at EDR: 02/10/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 04/11/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 11/23/2021
Date Data Arrived at EDR: 11/29/2021
Date Made Active in Reports: 02/11/2022
Number of Days to Update: 74

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 05/25/2022
Next Scheduled EDR Contact: 09/12/2022
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 04/06/2021
Number of Days to Update: 82

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 01/13/2022
Date Data Arrived at EDR: 01/14/2022
Date Made Active in Reports: 04/06/2022
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 04/18/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 04/26/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 04/14/2022
Next Scheduled EDR Contact: 08/15/2022
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/14/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/27/2021
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 04/08/2022
Number of Days to Update: 78

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/18/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/23/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/04/2022
Next Scheduled EDR Contact: 08/22/2022
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 12/27/2021
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 81

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/18/2022
Next Scheduled EDR Contact: 08/01/2022
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/28/2022
Date Data Arrived at EDR: 03/08/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 86

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/08/2022
Next Scheduled EDR Contact: 06/20/2022
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 12/27/2021
Date Data Arrived at EDR: 01/04/2022
Date Made Active in Reports: 03/18/2022
Number of Days to Update: 73

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/24/2022
Next Scheduled EDR Contact: 07/11/2022
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 01/26/2022
Date Data Arrived at EDR: 01/27/2022
Date Made Active in Reports: 04/14/2022
Number of Days to Update: 77

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 04/21/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/03/2021
Date Data Arrived at EDR: 02/11/2022
Date Made Active in Reports: 05/06/2022
Number of Days to Update: 84

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/09/2022
Next Scheduled EDR Contact: 08/22/2022
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/07/2022
Next Scheduled EDR Contact: 07/18/2022
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 04/28/2022
Next Scheduled EDR Contact: 08/08/2022
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/08/2022
Next Scheduled EDR Contact: 07/25/2022
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/16/2022
Next Scheduled EDR Contact: 08/29/2022
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/03/2022
Next Scheduled EDR Contact: 09/19/2022
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics’ primary database on private school locations in the United States.
Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

NORTH HARBOR DRIVE
4900 NORTH HARBOR DRIVE
SAN DIEGO, CA 92106

TARGET PROPERTY COORDINATES

Latitude (North):	32.724017 - 32˚ 43’ 26.46’’
Longitude (West):	117.22216 - 117˚ 13’ 19.78’’
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	479181.9
UTM Y (Meters):	3620523.8
Elevation:	9 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	12016554 POINT LOMA, CA
Version Date:	2018

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

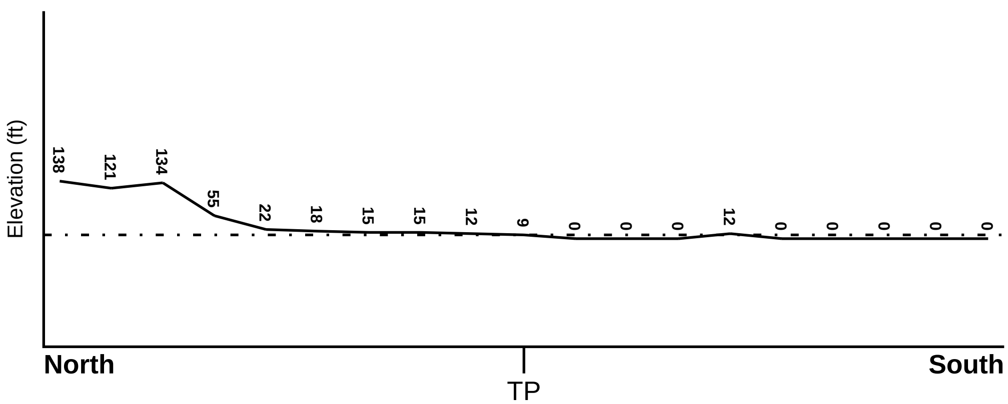
TOPOGRAPHIC INFORMATION

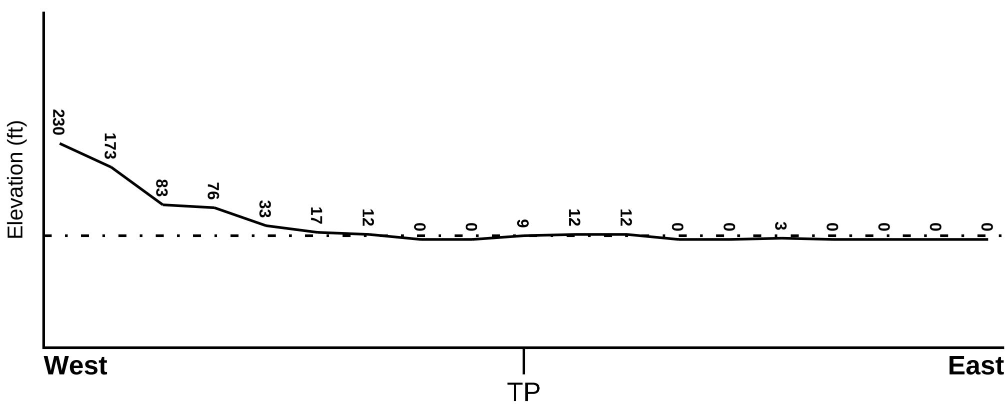
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

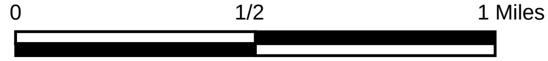
General Topographic Gradient: General SW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 9 ft.



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06073C1880G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
Not Reported	

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
POINT LOMA	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
C57	1/4 - 1/2 Mile NW	Not Reported
1G	1/4 - 1/2 Mile NW	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

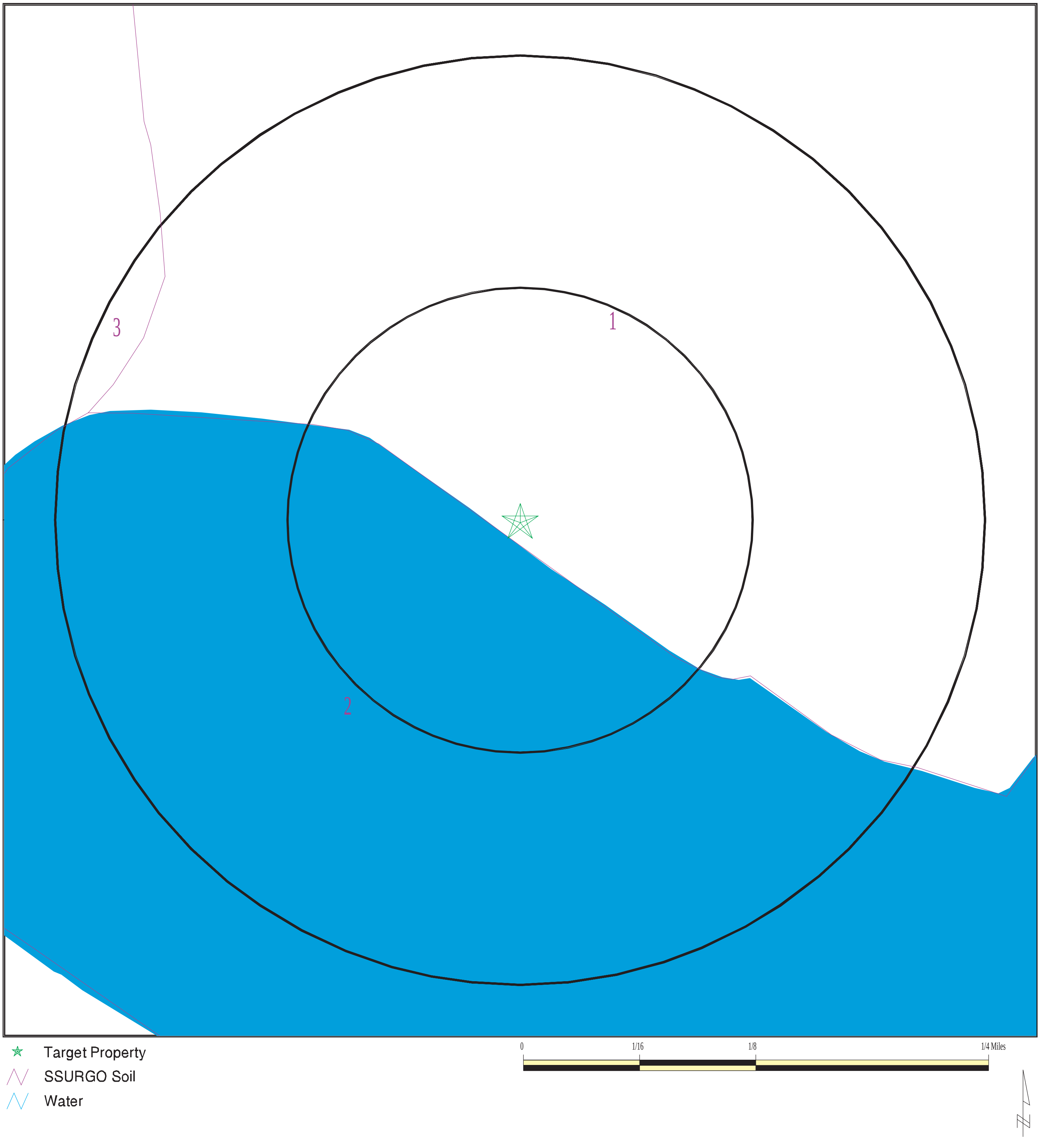
Era:	Cenozoic
System:	Tertiary
Series:	Pliocene
Code:	Tp *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 07007244.2r



SITE NAME:	North Harbor Drive	CLIENT:	Kleinfelder, Inc.
ADDRESS:	4900 North Harbor Drive	CONTACT:	Jake Lippman
	San Diego CA 92106	INQUIRY #:	07007244.2r
LAT/LONG:	32.724017 / 117.22216	DATE:	June 06, 2022 12:35 pm

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	variable	Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 2

Soil Component Name: Water

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 3

Soil Component Name: MARINA

Soil Surface Texture: loamy coarse sand

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)
1	0 inches	9 inches	loamy coarse sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 8.4 Min: 7.4
2	9 inches	57 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 8.4 Min: 7.4
3	57 inches	59 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 8.4 Min: 7.4

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
129	CA2300760	1/2 - 1 Mile WSW

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	CAEDF0000100574	0 - 1/8 Mile North
A2	CAEDF0000097018	0 - 1/8 Mile North
A3	CAEDF0000137462	0 - 1/8 Mile North
A4	CAEDF0000118612	1/8 - 1/4 Mile North
B5	CAEDF0000065164	1/4 - 1/2 Mile NW
B6	CAEDF0000069761	1/4 - 1/2 Mile NNW
B7	CAEDF0000108306	1/4 - 1/2 Mile NNW
C8	CAEDF0000069041	1/4 - 1/2 Mile WNW
D9	CAEDF0000015948	1/4 - 1/2 Mile NNW
C10	CAEDF0000005383	1/4 - 1/2 Mile WNW
B11	CAEDF0000094489	1/4 - 1/2 Mile NNW
C12	CAEDF0000017787	1/4 - 1/2 Mile NW
C13	CAEDF0000142715	1/4 - 1/2 Mile NW
C14	CAEDF0000098110	1/4 - 1/2 Mile WNW
B15	CAEDF0000050704	1/4 - 1/2 Mile NNW
B16	CAEDF0000059237	1/4 - 1/2 Mile NNW
C17	CAEDF0000098847	1/4 - 1/2 Mile WNW
C18	CAEDF0000095839	1/4 - 1/2 Mile NW
C19	CAEDF0000048137	1/4 - 1/2 Mile NW
B20	CAEDF0000018986	1/4 - 1/2 Mile NNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
B21	CAEDF0000099645	1/4 - 1/2 Mile NNW
D22	CAEDF0000077707	1/4 - 1/2 Mile NNW
E23	CAEDF0000071051	1/4 - 1/2 Mile SW
E24	CAEDF0000065323	1/4 - 1/2 Mile SW
B25	CAEDF0000103014	1/4 - 1/2 Mile NNW
E26	CAEDF0000051710	1/4 - 1/2 Mile SW
E27	CAEDF0000003583	1/4 - 1/2 Mile SW
E28	CAEDF0000082474	1/4 - 1/2 Mile SW
E29	CAEDF0000005065	1/4 - 1/2 Mile SW
E30	CAEDF0000041509	1/4 - 1/2 Mile SW
E31	CAEDF0000001380	1/4 - 1/2 Mile SW
B32	CAEDF0000121056	1/4 - 1/2 Mile NNW
E33	CAEDF0000127661	1/4 - 1/2 Mile SW
E34	CAEDF0000136736	1/4 - 1/2 Mile SW
B35	CAEDF0000113061	1/4 - 1/2 Mile NNW
D36	CAEDF0000051542	1/4 - 1/2 Mile NNW
B37	CAEDF0000120485	1/4 - 1/2 Mile NNW
E38	CAEDF0000114180	1/4 - 1/2 Mile SW
E39	CAEDF0000043678	1/4 - 1/2 Mile SW
E40	CAEDF0000141718	1/4 - 1/2 Mile SW
E41	CAEDF0000048637	1/4 - 1/2 Mile SW
E42	CAEDF0000069906	1/4 - 1/2 Mile SW
E43	CAEDF0000089433	1/4 - 1/2 Mile SW
E44	CAEDF0000129958	1/4 - 1/2 Mile SW
B45	CAEDF0000002152	1/4 - 1/2 Mile NNW
E46	CAEDF0000140135	1/4 - 1/2 Mile SW
E47	CAEDF0000054060	1/4 - 1/2 Mile SW
E48	CAEDF0000017113	1/4 - 1/2 Mile SW
E49	CAEDF0000002345	1/4 - 1/2 Mile SW
E50	CAEDF0000103519	1/4 - 1/2 Mile SW
E51	CAEDF0000046152	1/4 - 1/2 Mile SW
D52	CAEDF0000104309	1/4 - 1/2 Mile NNW
B53	CAEDF0000034304	1/4 - 1/2 Mile NW
D54	CAEDF0000061971	1/4 - 1/2 Mile NNW
E55	CAEDF0000096503	1/4 - 1/2 Mile SW
E56	CAEDF0000039356	1/4 - 1/2 Mile SW
E58	CAEDF0000012934	1/4 - 1/2 Mile SW
E59	CAEDF0000054451	1/4 - 1/2 Mile SW
E60	CAEDF0000068138	1/4 - 1/2 Mile SW
F61	CAEDF0000093345	1/4 - 1/2 Mile NNW
E62	CAEDF0000110767	1/4 - 1/2 Mile SW
D63	CAEDF0000123251	1/4 - 1/2 Mile NNW
F64	CAEDF0000142725	1/4 - 1/2 Mile NW
F65	CAEDF0000141728	1/4 - 1/2 Mile NNW
F66	CAEDF0000023939	1/4 - 1/2 Mile NW
E67	CAEDF0000087578	1/4 - 1/2 Mile SW
G68	CAEDF0000082992	1/4 - 1/2 Mile NNW
G69	CAEDF0000119589	1/4 - 1/2 Mile NNW
G70	CAEDF0000106724	1/4 - 1/2 Mile NNW
H71	CAEDF0000097357	1/4 - 1/2 Mile West
G72	CAEDF0000008506	1/4 - 1/2 Mile NNW
G73	CAEDF0000036331	1/4 - 1/2 Mile NNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
G74	CAEDF0000078015	1/4 - 1/2 Mile NNW
H75	CAEDF0000057778	1/4 - 1/2 Mile West
G76	CAEDF0000121494	1/4 - 1/2 Mile NNW
H77	CAEDF0000105462	1/4 - 1/2 Mile WSW
G78	CAEDF0000140395	1/4 - 1/2 Mile NNW
G79	CAEDF0000060408	1/4 - 1/2 Mile NNW
H80	CAEDF0000137097	1/4 - 1/2 Mile WSW
H81	CAEDF0000119537	1/4 - 1/2 Mile West
H82	CAEDF0000092456	1/4 - 1/2 Mile West
G83	CAEDF0000049353	1/4 - 1/2 Mile NNW
H84	CAEDF0000127602	1/4 - 1/2 Mile West
G85	CAEDF0000123738	1/4 - 1/2 Mile NNW
G86	CAEDF0000105692	1/4 - 1/2 Mile NNW
G87	CAEDF0000121453	1/4 - 1/2 Mile NNW
I88	CAEDF0000063797	1/4 - 1/2 Mile North
I89	CAEDF0000084552	1/2 - 1 Mile North
I90	CAEDF0000022212	1/2 - 1 Mile North
I91	CAEDF0000072800	1/2 - 1 Mile North
I92	CAEDF0000009097	1/2 - 1 Mile North
I93	CAEDF0000088023	1/2 - 1 Mile North
I94	CAEDF0000111487	1/2 - 1 Mile North
I95	CAEDF0000022542	1/2 - 1 Mile North
J96	CAEDF0000121399	1/2 - 1 Mile WSW
J97	CAEDF0000116851	1/2 - 1 Mile WSW
J98	CAEDF0000063803	1/2 - 1 Mile WSW
J99	CAEDF0000085501	1/2 - 1 Mile WSW
J100	CAEDF0000043793	1/2 - 1 Mile WSW
J101	CAEDF0000122830	1/2 - 1 Mile WSW
J102	CAEDF0000114531	1/2 - 1 Mile WSW
J103	CAEDF0000076441	1/2 - 1 Mile WSW
J104	CAEDF0000008312	1/2 - 1 Mile WSW
J105	CAEDF0000060753	1/2 - 1 Mile WSW
J106	CAEDF0000064075	1/2 - 1 Mile WSW
J107	CAEDF0000112687	1/2 - 1 Mile WSW
J108	CAEDF0000066867	1/2 - 1 Mile WSW
J109	CAEDF0000050974	1/2 - 1 Mile WSW
J110	CAEDF0000038332	1/2 - 1 Mile WSW
J111	CAEDF0000071874	1/2 - 1 Mile WSW
J112	CAEDF0000061775	1/2 - 1 Mile WSW
J113	CAEDF0000040334	1/2 - 1 Mile WSW
J114	CAEDF0000115539	1/2 - 1 Mile WSW
J115	CAEDF0000084681	1/2 - 1 Mile WSW
J116	CAEDF0000063265	1/2 - 1 Mile WSW
J117	CAEDF0000019676	1/2 - 1 Mile WSW
J118	CAEDF0000052960	1/2 - 1 Mile WSW
J119	CAEDF0000044017	1/2 - 1 Mile WSW
J120	CAEDF0000011587	1/2 - 1 Mile WSW
J121	CAEDF0000015694	1/2 - 1 Mile WSW
J122	CAEDF0000119639	1/2 - 1 Mile WSW
K123	CAEDF0000070234	1/2 - 1 Mile WSW
J124	CAEDF0000039641	1/2 - 1 Mile WSW
J125	CAEDF0000104658	1/2 - 1 Mile WSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
J126	CAEDF0000086405	1/2 - 1 Mile WSW
K127	CAEDF0000057993	1/2 - 1 Mile WSW
K128	CAEDF0000060736	1/2 - 1 Mile WSW
L130	CAEDF0000106982	1/2 - 1 Mile ENE
L131	CAEDF0000119980	1/2 - 1 Mile ENE
L132	CAEDF0000112597	1/2 - 1 Mile ENE
L133	CAEDF0000124456	1/2 - 1 Mile ENE

PHYSICAL SETTING SOURCE MAP - 07007244.2r

County Boundary
Major Roads
Contour Lines
Earthquake Fault Lines
Airports
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
G I Indeterminate Groundwater Flow at Location
G V Groundwater Flow Varies at Location
HD Closest Hydrogeological Data
Oil, gas or related wells

SITE NAME:	North Harbor Drive	CLIENT:	Kleinfelder, Inc.
ADDRESS:	4900 North Harbor Drive	CONTACT:	Jake Lippman
	San Diego CA 92106	INQUIRY #:	07007244.2r
LAT/LONG:	32.724017 / 117.22216	DATE:	June 06, 2022 12:35 pm

Map ID Direction Distance Elevation	Database	EDR ID Number
A1 **North** **0 - 1/8 Mile** **Higher**	**CA WELLS**	**CAEDF0000100574**

Well ID:	T06019742346-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T06019742346&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T06019742346&assigned_name=MW-2		

A2 **North** **0 - 1/8 Mile** **Higher**	**CA WELLS**	**CAEDF0000097018**

Well ID:	T06019742346-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T06019742346&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T06019742346&assigned_name=MW-4		

A3 **North** **0 - 1/8 Mile** **Higher**	**CA WELLS**	**CAEDF0000137462**

Well ID:	T06019742346-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T06019742346&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T06019742346&assigned_name=MW-1		

A4 **North** **1/8 - 1/4 Mile** **Higher**	**CA WELLS**	**CAEDF0000118612**

Well ID:	T06019742346-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T06019742346&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T06019742346&assigned_name=MW-3		

Map ID Direction Distance Elevation	Database	EDR ID Number
B5 **NW** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000065164**

Well ID:	DOD100371400-MW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=DOD100371400&assigned_name=MW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=DOD100371400&assigned_name=MW-12		

B6 **NNW** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000069761**

Well ID:	DOD100371400-MW-22	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-22
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=DOD100371400&assigned_name=MW-22&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=DOD100371400&assigned_name=MW-22		

B7 **NNW** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000108306**

Well ID:	DOD100371400-MW-21	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-21
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=DOD100371400&assigned_name=MW-21&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=DOD100371400&assigned_name=MW-21		

C8 **WNW** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000069041**

Well ID:	T0607302341-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302341&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302341&assigned_name=MW-6		

Map ID Direction Distance Elevation	Database	EDR ID Number
D9 **NNW** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000015948**

Well ID:	DOD100371400-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=DOD100371400&assigned_name=MW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=DOD100371400&assigned_name=MW-11		

C10 **WNW** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000005383**

Well ID:	T0607302341-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302341&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302341&assigned_name=MW-2		

B11 **NNW** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000094489**

Well ID:	DOD100371400-MW-15	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=DOD100371400&assigned_name=MW-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=DOD100371400&assigned_name=MW-15		

C12 **NW** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000017787**

Well ID:	T0607302341-TDD-1	Well Type:	MONITORING
Source:	EDF	Other Name:	TDD-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302341&assigned_name=TDD-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302341&assigned_name=TDD-1		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C13
NW
1/4 - 1/2 Mile
Higher | **CA WELLS** | **CAEDF0000142715**

Well ID:	T0607302341-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302341&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302341&assigned_name=MW-7		

C14
WNW
1/4 - 1/2 Mile
Higher | **CA WELLS** | **CAEDF0000098110**

Well ID:	T0607302341-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302341&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302341&assigned_name=MW-3		

B15
NNW
1/4 - 1/2 Mile
Higher | **CA WELLS** | **CAEDF0000050704**

Well ID:	DOD100371400-MW-16	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=DOD100371400&assigned_name=MW-16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=DOD100371400&assigned_name=MW-16		

B16
NNW
1/4 - 1/2 Mile
Higher | **CA WELLS** | **CAEDF0000059237**

Well ID:	DOD100371400-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=DOD100371400&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=DOD100371400&assigned_name=MW-4		

Map ID Direction Distance Elevation		Database	EDR ID Number
C17 **WNW** **1/4 - 1/2 Mile** **Higher**		**CA WELLS**	**CAEDF0000098847**

Well ID:	T0607302341-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302341&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302341&assigned_name=MW-5		

		Database	EDR ID Number
C18 **NW** **1/4 - 1/2 Mile** **Higher**		**CA WELLS**	**CAEDF0000095839**

Well ID:	T0607302341-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302341&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302341&assigned_name=MW-4		

		Database	EDR ID Number
C19 **NW** **1/4 - 1/2 Mile** **Higher**		**CA WELLS**	**CAEDF0000048137**

Well ID:	T0607302341-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302341&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302341&assigned_name=MW-1		

		Database	EDR ID Number
B20 **NNW** **1/4 - 1/2 Mile** **Higher**		**CA WELLS**	**CAEDF0000018986**

Well ID:	DOD100371400-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=DOD100371400&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=DOD100371400&assigned_name=MW-6		

Map ID
Direction
Distance
Elevation

Database EDR ID Number

B21
NNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000099645**

Well ID:	DOD100371400-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=DOD100371400&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=DOD100371400&assigned_name=MW-5		

D22
NNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000077707**

Well ID:	DOD100371400-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=DOD100371400&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=DOD100371400&assigned_name=MW-3		

E23
SW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000071051**

Well ID:	T0607303203-RW	Well Type:	MONITORING
Source:	EDF	Other Name:	RW
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303203&assigned_name=RW&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303203&assigned_name=RW		

E24
SW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000065323**

Well ID:	T0607303203-13	Well Type:	MONITORING
Source:	EDF	Other Name:	13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303203&assigned_name=13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303203&assigned_name=13		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B25
NNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000103014**

Well ID:	DOD100371400-MW-20	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-20
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=DOD100371400&assigned_name=MW-20&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=DOD100371400&assigned_name=MW-20		

E26
SW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000051710**

Well ID:	T0607303203-90-12	Well Type:	MONITORING
Source:	EDF	Other Name:	90-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303203&assigned_name=90-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303203&assigned_name=90-12		

E27
SW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000003583**

Well ID:	T0607303203-90-13	Well Type:	MONITORING
Source:	EDF	Other Name:	90-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303203&assigned_name=90-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303203&assigned_name=90-13		

E28
SW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000082474**

Well ID:	T0607303203-88-4	Well Type:	MONITORING
Source:	EDF	Other Name:	88-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303203&assigned_name=88-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303203&assigned_name=88-4		

Map ID
Direction
Distance
Elevation
Database EDR ID Number

E29
SW
1/4 - 1/2 Mile
Lower
CA WELLS CAEDF0000005065

Well ID:	T0607303203-89-8	Well Type:	MONITORING
Source:	EDF	Other Name:	89-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303203&assigned_name=89-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303203&assigned_name=89-8		

E30
SW
1/4 - 1/2 Mile
Lower
CA WELLS CAEDF0000041509

Well ID:	T0607303203-9	Well Type:	MONITORING
Source:	EDF	Other Name:	9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303203&assigned_name=9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303203&assigned_name=9		

E31
SW
1/4 - 1/2 Mile
Lower
CA WELLS CAEDF0000001380

Well ID:	T0607303203-H	Well Type:	MONITORING
Source:	EDF	Other Name:	H
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303203&assigned_name=H&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303203&assigned_name=H		

B32
NNW
1/4 - 1/2 Mile
Higher
CA WELLS CAEDF0000121056

Well ID:	DOD100371400-MW-19	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-19
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=DOD100371400&assigned_name=MW-19&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=DOD100371400&assigned_name=MW-19		

Map ID Direction Distance Elevation	Database	EDR ID Number
E33 **SW** **1/4 - 1/2 Mile** **Lower**	**CA WELLS**	**CAEDF0000127661**

Well ID:	T0607303203-89-7	Well Type:	MONITORING
Source:	EDF	Other Name:	89-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303203&assigned_name=89-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303203&assigned_name=89-7		

E34 **SW** **1/4 - 1/2 Mile** **Lower**	**CA WELLS**	**CAEDF0000136736**

Well ID:	T0607303203-F	Well Type:	MONITORING
Source:	EDF	Other Name:	F
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303203&assigned_name=F&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303203&assigned_name=F		

B35 **NNW** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000113061**

Well ID:	DOD100371400-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=DOD100371400&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=DOD100371400&assigned_name=MW-7		

D36 **NNW** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000051542**

Well ID:	DOD100371400-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=DOD100371400&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=DOD100371400&assigned_name=MW-8		

Map ID Direction Distance Elevation		Database	EDR ID Number

B37
NNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000120485**

Well ID:	DOD100371400-MW-17	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-17
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=DOD100371400&assigned_name=MW-17&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=DOD100371400&assigned_name=MW-17

E38
SW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000114180**

Well ID:	T0607303203-G	Well Type:	MONITORING
Source:	EDF	Other Name:	G
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303203&assigned_name=G&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303203&assigned_name=G

E39
SW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000043678**

Well ID:	T0607303203-89-9	Well Type:	MONITORING
Source:	EDF	Other Name:	89-9
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303203&assigned_name=89-9&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303203&assigned_name=89-9

E40
SW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000141718**

Well ID:	T0607303203-90-17	Well Type:	MONITORING
Source:	EDF	Other Name:	90-17
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303203&assigned_name=90-17&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303203&assigned_name=90-17

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

E41
SW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000048637**

Well ID:	T0607303203-90-14	Well Type:	MONITORING
Source:	EDF	Other Name:	90-14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303203&assigned_name=90-14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303203&assigned_name=90-14		

E42
SW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000069906**

Well ID:	T0607303203-88-1	Well Type:	MONITORING
Source:	EDF	Other Name:	88-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303203&assigned_name=88-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303203&assigned_name=88-1		

E43
SW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000089433**

Well ID:	T0607303203-I	Well Type:	MONITORING
Source:	EDF	Other Name:	I
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303203&assigned_name=I&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303203&assigned_name=I		

E44
SW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000129958**

Well ID:	T0607303203-E	Well Type:	MONITORING
Source:	EDF	Other Name:	E
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303203&assigned_name=E&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303203&assigned_name=E		

Map ID Direction Distance Elevation		Database	EDR ID Number
B45 NNW 1/4 - 1/2 Mile Higher		**CA WELLS**	**CAEDF0000002152**

Well ID:	DOD100371400-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=DOD100371400&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=DOD100371400&assigned_name=MW-2		

E46 SW 1/4 - 1/2 Mile Lower		**CA WELLS**	**CAEDF0000140135**

Well ID:	T0607303203-A	Well Type:	MONITORING
Source:	EDF	Other Name:	A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303203&assigned_name=A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303203&assigned_name=A		

E47 SW 1/4 - 1/2 Mile Lower		**CA WELLS**	**CAEDF0000054060**

Well ID:	T0607303203-89-10	Well Type:	MONITORING
Source:	EDF	Other Name:	89-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303203&assigned_name=89-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303203&assigned_name=89-10		

E48 SW 1/4 - 1/2 Mile Lower		**CA WELLS**	**CAEDF0000017113**

Well ID:	T0607303203-90-15	Well Type:	MONITORING
Source:	EDF	Other Name:	90-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303203&assigned_name=90-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303203&assigned_name=90-15		

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

E49
SW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000002345**

Well ID:	T0607303203-88-2	Well Type:	MONITORING
Source:	EDF	Other Name:	88-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303203&assigned_name=88-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303203&assigned_name=88-2		

E50
SW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000103519**

Well ID:	T0607303203-CR	Well Type:	MONITORING
Source:	EDF	Other Name:	CR
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303203&assigned_name=CR&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303203&assigned_name=CR		

E51
SW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000046152**

Well ID:	T0607303203-D	Well Type:	MONITORING
Source:	EDF	Other Name:	D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303203&assigned_name=D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303203&assigned_name=D		

D52
NNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000104309**

Well ID:	DOD100371400-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=DOD100371400&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=DOD100371400&assigned_name=MW-10		

Map ID
Direction
Distance
Elevation
Database EDR ID Number

B53
NW
1/4 - 1/2 Mile
Higher
CA WELLS CAEDF0000034304

Well ID:	DOD100371400-MW-18	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-18
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=DOD100371400&assigned_name=MW-18&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=DOD100371400&assigned_name=MW-18		

D54
NNW
1/4 - 1/2 Mile
Higher
CA WELLS CAEDF0000061971

Well ID:	DOD100371400-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=DOD100371400&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=DOD100371400&assigned_name=MW-9		

E55
SW
1/4 - 1/2 Mile
Lower
CA WELLS CAEDF0000096503

Well ID:	T0607303203-90-16	Well Type:	MONITORING
Source:	EDF	Other Name:	90-16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303203&assigned_name=90-16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303203&assigned_name=90-16		

E56
SW
1/4 - 1/2 Mile
Lower
CA WELLS CAEDF0000039356

Well ID:	T0607303203-88-5	Well Type:	MONITORING
Source:	EDF	Other Name:	88-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303203&assigned_name=88-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303203&assigned_name=88-5		

Map ID Direction Distance Elevation		Database	EDR ID Number

C57
NW
1/4 - 1/2 Mile
Higher

AQUIFLOW **55088**

Site ID:	Not Reported
Groundwater Flow:	Not Reported
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	12
Date:	10/22/1998

E58
SW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000012934**

Well ID:	T0607303203-95-1	Well Type:	MONITORING
Source:	EDF	Other Name:	95-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303203&assigned_name=95-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303203&assigned_name=95-1		

E59
SW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000054451**

Well ID:	T0607303203-88-6	Well Type:	MONITORING
Source:	EDF	Other Name:	88-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303203&assigned_name=88-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303203&assigned_name=88-6		

E60
SW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000068138**

Well ID:	T0607303203-95-2	Well Type:	MONITORING
Source:	EDF	Other Name:	95-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303203&assigned_name=95-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303203&assigned_name=95-2		

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

F61
NNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000093345**

Well ID:	T0607303143-B-12	Well Type:	MONITORING
Source:	EDF	Other Name:	B-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303143&assigned_name=B-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303143&assigned_name=B-12		

E62
SW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000110767**

Well ID:	T0607303203-95-4	Well Type:	MONITORING
Source:	EDF	Other Name:	95-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303203&assigned_name=95-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303203&assigned_name=95-4		

D63
NNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000123251**

Well ID:	DOD100371400-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=DOD100371400&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=DOD100371400&assigned_name=MW-1		

F64
NW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000142725**

Well ID:	T0607303143-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303143&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303143&assigned_name=MW-3		

Map ID Direction Distance Elevation		Database	EDR ID Number
F65 **NNW** **1/4 - 1/2 Mile** **Higher**		**CA WELLS**	**CAEDF0000141728**

Well ID:	T0607303143-B-10	Well Type:	MONITORING
Source:	EDF	Other Name:	B-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303143&assigned_name=B-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303143&assigned_name=B-10		

F66 **NW** **1/4 - 1/2 Mile** **Higher**		**CA WELLS**	**CAEDF0000023939**

Well ID:	T0607303143-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303143&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303143&assigned_name=MW-2		

E67 **SW** **1/4 - 1/2 Mile** **Higher**		**CA WELLS**	**CAEDF0000087578**

Well ID:	T0607303203-95-3	Well Type:	MONITORING
Source:	EDF	Other Name:	95-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303203&assigned_name=95-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303203&assigned_name=95-3		

G68 **NNW** **1/4 - 1/2 Mile** **Higher**		**CA WELLS**	**CAEDF0000082992**

Well ID:	T0607302653-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302653&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302653&assigned_name=MW-7		

Map ID
Direction
Distance
Elevation
Database EDR ID Number

G69
NNW
1/4 - 1/2 Mile
Higher
CA WELLS CAEDF0000119589

Well ID:	T0607302653-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302653&assigned_name=MW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302653&assigned_name=MW-11		

G70
NNW
1/4 - 1/2 Mile
Higher
CA WELLS CAEDF0000106724

Well ID:	T0607302653-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302653&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302653&assigned_name=MW-10		

H71
West
1/4 - 1/2 Mile
Higher
CA WELLS CAEDF0000097357

Well ID:	T0607300382-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300382&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300382&assigned_name=MW-10		

G72
NNW
1/4 - 1/2 Mile
Higher
CA WELLS CAEDF0000008506

Well ID:	T0607302653-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302653&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302653&assigned_name=MW-3		

Map ID Direction Distance Elevation	Database	EDR ID Number
G73 **NNW** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000036331**

Well ID:	T0607302653-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302653&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302653&assigned_name=MW-6		

	Database	EDR ID Number
G74 **NNW** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000078015**

Well ID:	T0607302653-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302653&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302653&assigned_name=MW-5		

	Database	EDR ID Number
H75 **West** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000057778**

Well ID:	T0607300382-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300382&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300382&assigned_name=MW-9		

	Database	EDR ID Number
G76 **NNW** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000121494**

Well ID:	T0607302653-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302653&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302653&assigned_name=MW-2		

Map ID Direction Distance Elevation	Database	EDR ID Number
H77 **WSW** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000105462**

Well ID:	T0607300382-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300382&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300382&assigned_name=MW-7		

G78 **NNW** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000140395**

Well ID:	T0607302653-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302653&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302653&assigned_name=MW-4		

G79 **NNW** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000060408**

Well ID:	T0607302653-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302653&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302653&assigned_name=MW-1		

H80 **WSW** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000137097**

Well ID:	T0607300382-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300382&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300382&assigned_name=MW-6		

Map ID
Direction
Distance
Elevation

Database EDR ID Number

H81
West
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000119537**

Well ID:	T0607300382-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300382&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300382&assigned_name=MW-8		

H82
West
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000092456**

Well ID:	T0607300382-PLW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	PLW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300382&assigned_name=PLW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300382&assigned_name=PLW-4		

G83
NNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000049353**

Well ID:	T0607302653-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302653&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302653&assigned_name=MW-8		

H84
West
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000127602**

Well ID:	T0607300382-PLW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	PLW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300382&assigned_name=PLW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300382&assigned_name=PLW-2		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G85
NNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000123738**

Well ID:	T0607302653-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302653&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302653&assigned_name=MW-9		

G86
NNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000105692**

Well ID:	T0607302653-MW-13	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302653&assigned_name=MW-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302653&assigned_name=MW-13		

G87
NNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000121453**

Well ID:	T0607302653-MW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302653&assigned_name=MW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302653&assigned_name=MW-12		

I88
North
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000063797**

Well ID:	T0608171734-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608171734&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608171734&assigned_name=MW-6		

Map ID Direction Distance Elevation	Database	EDR ID Number
I89 **North** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000084552**

Well ID:	T0608171734-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608171734&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608171734&assigned_name=MW-7		

	Database	EDR ID Number
I90 **North** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000022212**

Well ID:	T0608171734-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608171734&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608171734&assigned_name=MW-4		

	Database	EDR ID Number
I91 **North** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000072800**

Well ID:	T0608171734-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608171734&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608171734&assigned_name=MW-5		

	Database	EDR ID Number
I92 **North** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000009097**

Well ID:	T0608171734-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608171734&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608171734&assigned_name=MW-3		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I93
North
1/2 - 1 Mile
Higher | **CA WELLS** | **CAEDF0000088023**

Well ID:	T0608171734-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608171734&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608171734&assigned_name=MW-2		

I94
North
1/2 - 1 Mile
Higher | **CA WELLS** | **CAEDF0000111487**

Well ID:	T0608171734-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608171734&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608171734&assigned_name=MW-1		

I95
North
1/2 - 1 Mile
Higher | **CA WELLS** | **CAEDF0000022542**

Well ID:	T0608171734-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608171734&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608171734&assigned_name=MW-8		

J96
WSW
1/2 - 1 Mile
Higher | **CA WELLS** | **CAEDF0000121399**

Well ID:	T0607300701-MW-18	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-18
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300701&assigned_name=MW-18&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300701&assigned_name=MW-18		

Map ID Direction Distance Elevation		Database	EDR ID Number
J97 **WSW** **1/2 - 1 Mile** **Higher**		**CA WELLS**	**CAEDF0000116851**

Well ID:	T0607300701-MW-24	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-24
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300701&assigned_name=MW-24&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300701&assigned_name=MW-24		

J98 **WSW** **1/2 - 1 Mile** **Higher**		**CA WELLS**	**CAEDF0000063803**

Well ID:	T0607300701-MW-17	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300701&assigned_name=MW-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300701&assigned_name=MW-17		

J99 **WSW** **1/2 - 1 Mile** **Higher**		**CA WELLS**	**CAEDF0000085501**

Well ID:	T0607300701-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300701&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300701&assigned_name=MW-8		

J100 **WSW** **1/2 - 1 Mile** **Higher**		**CA WELLS**	**CAEDF0000043793**

Well ID:	T0607300701-MW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300701&assigned_name=MW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300701&assigned_name=MW-12		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J101
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000122830**

Well ID:	T0607300701-VW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	VW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300701&assigned_name=VW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300701&assigned_name=VW-5		

J102
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000114531**

Well ID:	T0607300701-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300701&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300701&assigned_name=MW-2		

J103
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000076441**

Well ID:	T0607300701-VW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	VW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300701&assigned_name=VW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300701&assigned_name=VW-3		

J104
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000008312**

Well ID:	T0607300701-MW-21	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-21
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300701&assigned_name=MW-21&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300701&assigned_name=MW-21		

Map ID Direction Distance Elevation		Database	EDR ID Number

J105
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000060753**

Well ID:	T0607300701-MW-19	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-19
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300701&assigned_name=MW-19&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300701&assigned_name=MW-19		

J106
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000064075**

Well ID:	T0607300701-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300701&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300701&assigned_name=MW-9		

J107
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000112687**

Well ID:	T0607300701-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300701&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300701&assigned_name=MW-6		

J108
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000066867**

Well ID:	T0607300701-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300701&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300701&assigned_name=MW-1		

Map ID Direction Distance Elevation	Database	EDR ID Number
J109 **WSW** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000050974**

Well ID:	T0607300701-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300701&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300701&assigned_name=MW-7		

	Database	EDR ID Number
J110 **WSW** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000038332**

Well ID:	T0607300701-MW-23	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-23
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300701&assigned_name=MW-23&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300701&assigned_name=MW-23		

	Database	EDR ID Number
J111 **WSW** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000071874**

Well ID:	T0607300701-MW-13	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300701&assigned_name=MW-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300701&assigned_name=MW-13		

	Database	EDR ID Number
J112 **WSW** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000061775**

Well ID:	T0607300701-VW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	VW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300701&assigned_name=VW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300701&assigned_name=VW-2		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J113
WSW
1/2 - 1 Mile
Higher | **CA WELLS** | **CAEDF0000040334**

Well ID:	T0607300701-VW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	VW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300701&assigned_name=VW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300701&assigned_name=VW-4		

J114
WSW
1/2 - 1 Mile
Higher | **CA WELLS** | **CAEDF0000115539**

Well ID:	T0607300701-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300701&assigned_name=MW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300701&assigned_name=MW-11		

J115
WSW
1/2 - 1 Mile
Higher | **CA WELLS** | **CAEDF0000084681**

Well ID:	T0607300701-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300701&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300701&assigned_name=MW-10		

J116
WSW
1/2 - 1 Mile
Higher | **CA WELLS** | **CAEDF0000063265**

Well ID:	T0607300701-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300701&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300701&assigned_name=MW-3		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J117
WSW
1/2 - 1 Mile
Higher | **CA WELLS** | **CAEDF0000019676**

Well ID:	T0607300701-VW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	VW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300701&assigned_name=VW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300701&assigned_name=VW-1		

J118
WSW
1/2 - 1 Mile
Higher | **CA WELLS** | **CAEDF0000052960**

Well ID:	T0607300701-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300701&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300701&assigned_name=MW-5		

J119
WSW
1/2 - 1 Mile
Higher | **CA WELLS** | **CAEDF0000044017**

Well ID:	T10000001808-MW1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000001808&assigned_name=MW1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000001808&assigned_name=MW1		

J120
WSW
1/2 - 1 Mile
Higher | **CA WELLS** | **CAEDF0000011587**

Well ID:	T0607300701-MW-22	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-22
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300701&assigned_name=MW-22&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300701&assigned_name=MW-22		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J121
WSW
1/2 - 1 Mile
Higher
CA WELLS **CAEDF0000015694**

Well ID:	T0607300701-MW-14	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300701&assigned_name=MW-14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300701&assigned_name=MW-14		

J122
WSW
1/2 - 1 Mile
Higher
CA WELLS **CAEDF0000119639**

Well ID:	T0607300701-MW-16	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300701&assigned_name=MW-16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300701&assigned_name=MW-16		

K123
WSW
1/2 - 1 Mile
Higher
CA WELLS **CAEDF0000070234**

Well ID:	T10000001808-MW3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000001808&assigned_name=MW3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000001808&assigned_name=MW3		

J124
WSW
1/2 - 1 Mile
Higher
CA WELLS **CAEDF0000039641**

Well ID:	T10000001808-MW4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000001808&assigned_name=MW4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000001808&assigned_name=MW4		

Map ID Direction Distance Elevation		Database	EDR ID Number
J125 **WSW** **1/2 - 1 Mile** **Higher**		**CA WELLS**	**CAEDF0000104658**

Well ID:	T0607300701-MW-15	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300701&assigned_name=MW-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300701&assigned_name=MW-15		

		Database	EDR ID Number
J126 **WSW** **1/2 - 1 Mile** **Higher**		**CA WELLS**	**CAEDF0000086405**

Well ID:	T0607300701-MW-20	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-20
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300701&assigned_name=MW-20&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300701&assigned_name=MW-20		

		Database	EDR ID Number
K127 **WSW** **1/2 - 1 Mile** **Higher**		**CA WELLS**	**CAEDF0000057993**

Well ID:	T10000001808-MW5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000001808&assigned_name=MW5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000001808&assigned_name=MW5		

		Database	EDR ID Number
K128 **WSW** **1/2 - 1 Mile** **Higher**		**CA WELLS**	**CAEDF0000060736**

Well ID:	T10000001808-MW6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000001808&assigned_name=MW6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000001808&assigned_name=MW6		

Map ID Direction Distance Elevation		Database	EDR ID Number
129 **WSW** **1/2 - 1 Mile** **Higher**		**FRDS PWS**	**CA2300760**

Epa region:	09	State:	CA
Pwsid:	CA2300760	Pwsname:	MENDOCINO CAMPGROUND
Cityserved:	Not Reported	Stateserved:	CA
Zipserved:	Not Reported	Fipscounty:	06045
Status:	Closed	Retpopsrvd:	25
Pwssvcconn:	1	Psource longname:	Groundwater
Pwstype:	TNCWS	Owner:	Private
Contact:	Jamie Buckner	Contactorgname:	Mendocino Campground
Contactphone:	7079373130	Contactaddress1:	P.O. Box 396
Contactaddress2:	Not Reported	Contactcity:	Mendocino
Contactstate:	CA	Contactzip:	95460
Pwsactivitycode:	N		

PWS ID:	CA2300760	PWS type:	System Owner/Responsible Party
PWS name:	TOM KRAVIS	PWS address:	Not Reported
PWS city:	MENDOCINO	PWS state:	CA
PWS zip:	95460	PWS ID:	CA2300760
Activity status:	Active	Date system activated:	8503
Date system deactivated:	Not Reported	Retail population:	00000200
System name:	MENDOCINO CAMPGROUND	System address:	TOM KRAVIS
System address:	44900 UKIAH-COMPTCHE RD	System city:	MENDOCINO
System state:	CA	System zip:	95460
Population served:	101 - 500 Persons	Treatment:	Untreated
Latitude:	324318	Longitude:	1171400

L130 **ENE** **1/2 - 1 Mile** **Higher**		**CA WELLS**	**CAEDF0000106982**

Well ID:	L10004197278-ES-8D	Well Type:	MONITORING
Source:	EDF	Other Name:	ES-8D
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=L10004197278&assigned_name=ES-8D&store_num=

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=L10004197278&assigned_name=ES-8D

L131 **ENE** **1/2 - 1 Mile** **Higher**		**CA WELLS**	**CAEDF0000119980**

Well ID:	L10004197278-ES-8S	Well Type:	MONITORING
Source:	EDF	Other Name:	ES-8S
GAMA PFAS Testing:	Not Reported		

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=L10004197278&assigned_name=ES-8S&store_num=

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=L10004197278&assigned_name=ES-8S

Map ID Direction Distance Elevation		Database	EDR ID Number
L132 **ENE** **1/2 - 1 Mile** **Higher**		**CA WELLS**	**CAEDF0000112597**

Well ID: L10004197278-ES-11D
Well Type: MONITORING
Source: EDF
Other Name: ES-11D
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=L10004197278&assigned_name=ES-11D&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=L10004197278&assigned_name=ES-11D

		Database	EDR ID Number
L133 **ENE** **1/2 - 1 Mile** **Higher**		**CA WELLS**	**CAEDF0000124456**

Well ID: L10004197278-ES-11S
Well Type: MONITORING
Source: EDF
Other Name: ES-11S
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=L10004197278&assigned_name=ES-11S&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=L10004197278&assigned_name=ES-11S

		Database	EDR ID Number
1G **NW** **1/4 - 1/2 Mile** **Lower**	Site ID: Not Reported Groundwater Flow: Not Reported Shallow Water Depth: Not Reported Deep Water Depth: Not Reported Average Water Depth: 12 Date: 10/22/1998	**AQUIFLOW**	**55088**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92106	16	1

Federal EPA Radon Zone for SAN DIEGO County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for SAN DIEGO COUNTY, CA

Number of sites tested: 30

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.677 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.400 pCi/L	100%	0%	0%
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5’ Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5’ Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture’s (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR’s Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California’s Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

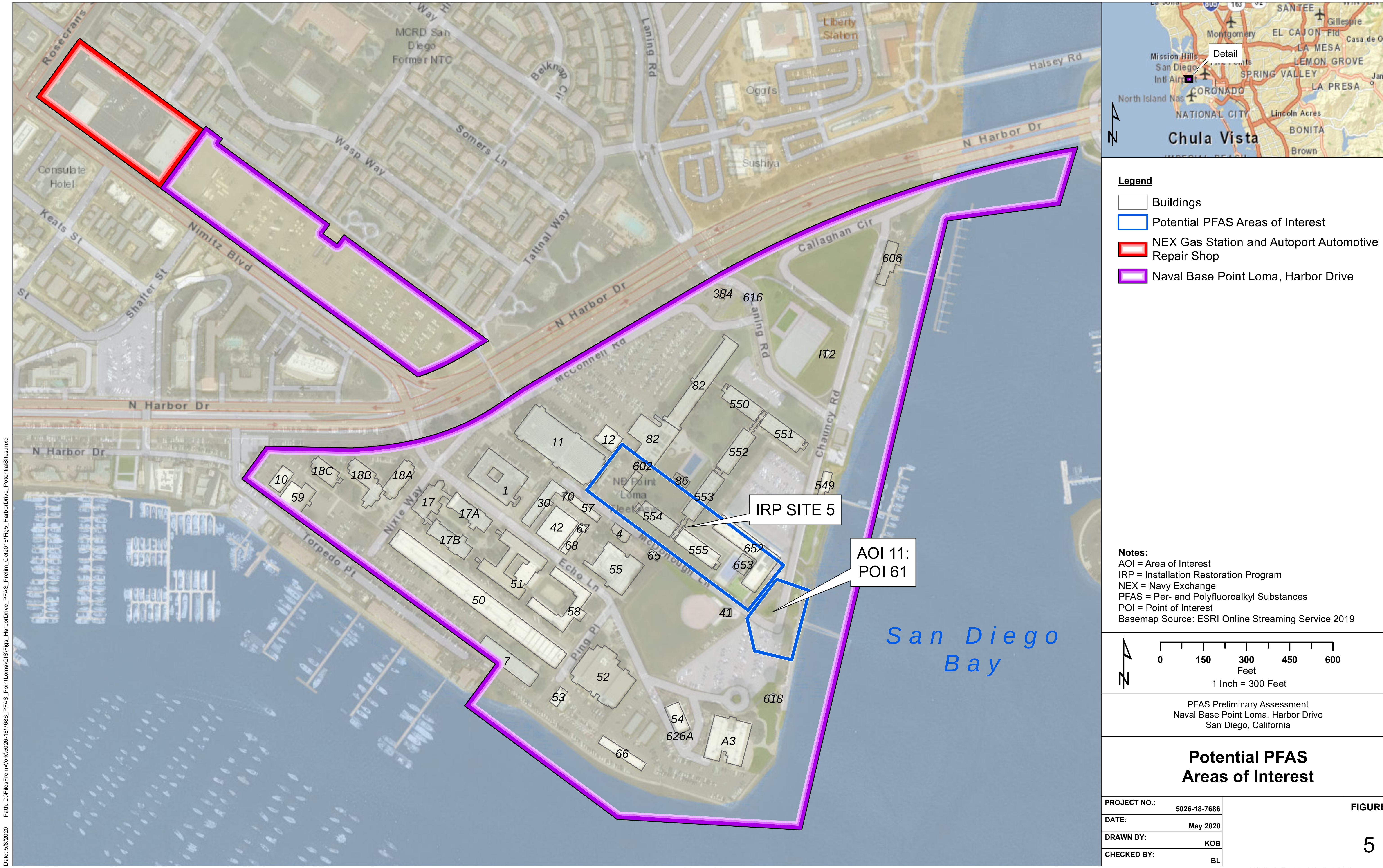
Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

APPENDIX C
USER PROVIDED AND REGULATORY AGENCY DOCUMENTATION


IRP SITE 5
AOI 11:
POI 61
San Diego
Bay
N Harbor Dr
Nimitz Blvd
Rosecrans
Wasp Way
Somers Ln
Belknap Cir
Laning Rd
Halsey Rd
Callaghan Cir
McConnell Rd
Chauncy Rd
Torpedo Pt
Nixie Way
Echo Ln
Ping Pl
Keats St
Shalter St
Tattnall Way
Consulate Hotel
MCRD San Diego Former NTC
Liberty Station
Oggi's
Sushiya
11
12
82
602
86
553
554
555
652
653
550
551
552
549
606
384
616
IT2
10
59
18C
18B
18A
1
17
17A
17B
30
70
57
42
67
68
4
65
55
51
50
58
41
7
52
53
54
626A
A3
66
618
Detail
Chula Vista
Legend
Buildings
Potential PFAS Areas of Interest
NEX Gas Station and Autoport Automotive Repair Shop
Naval Base Point Loma, Harbor Drive
Notes:
AOI = Area of Interest
IRP = Installation Restoration Program
NEX = Navy Exchange
PFAS = Per- and Polyfluoroalkyl Substances
POI = Point of Interest
Basemap Source: ESRI Online Streaming Service 2019
0 150 300 450 600
Feet
1 Inch = 300 Feet
PFAS Preliminary Assessment
Naval Base Point Loma, Harbor Drive
San Diego, California
Potential PFAS Areas of Interest
PROJECT NO.: 5026-18-7686
DATE: May 2020
DRAWN BY: KOB
CHECKED BY: BL
FIGURE
5
Path: D:\FilesFromWork\5026-18\7686_PFAS_PointLoma\GIS\Figs_HarborDrive_PFAS_Prelim_Oct2018\Fig5_HarborDrive_PotentialSites.mxd
Date: 5/8/2020

Well Finder
CalGEM GIS

More Info | Help | ©

^ Well Status and Well Type Filter

Checkbox Filter ▾

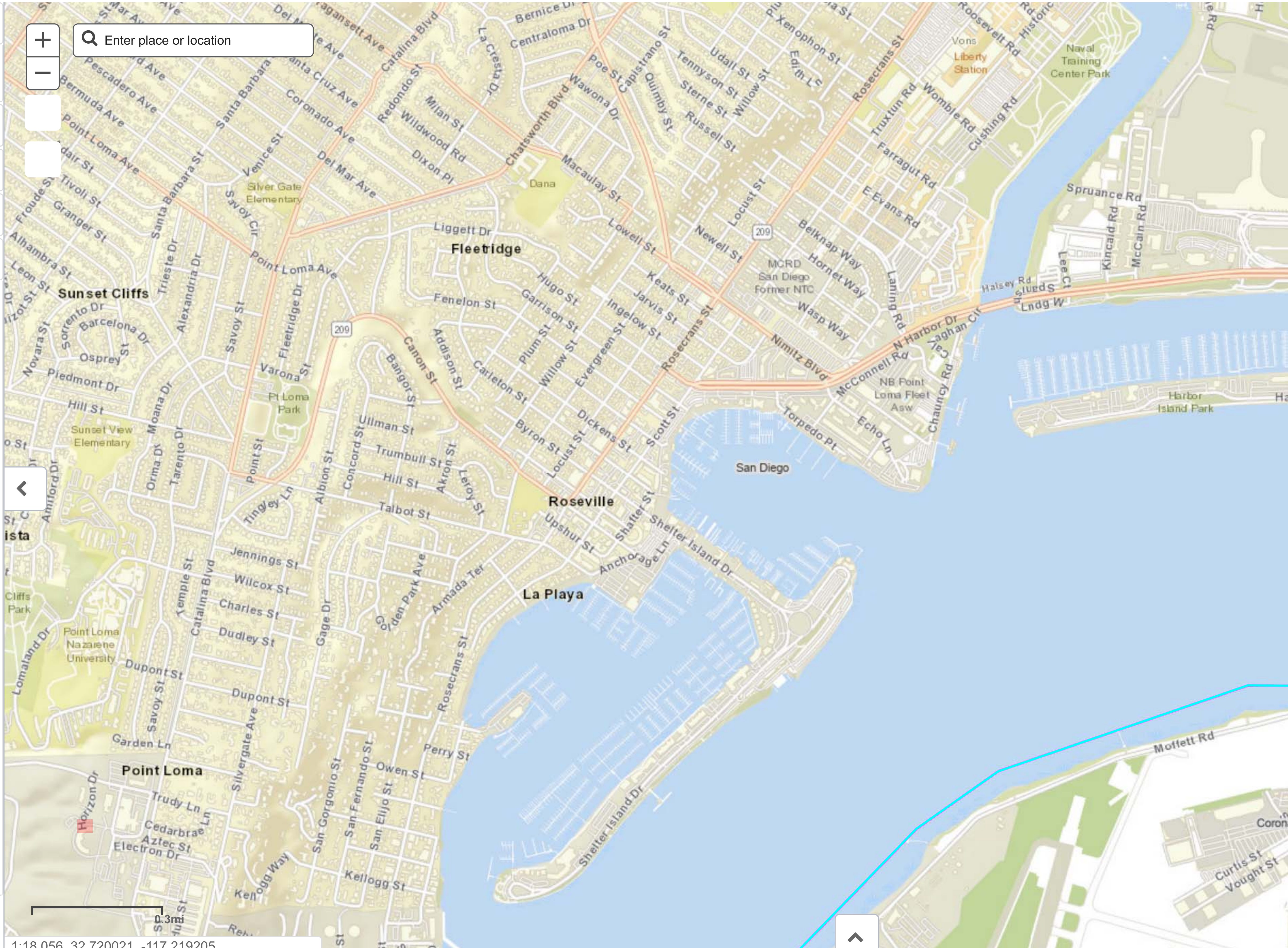
⌄ Search

⌄ ✱ Zoom to Field

⌄ ⤢ Measurement

^ Layers

- ☑ Notice and Permit
- ☑ Well
  - ☑ Well
  - ☑ Geothermal Well
- ☑ Facility
  - ☑ Tank
  - ☑ Pit/Sump
  - ☑ Setting
  - ☑ Facility Boundary (non-wellstar)
- ☑ Underground Gas Storage
- ☑ Well Stimulation
- ☑ TR26 Onshore Seep Count
- ☑ Oil/Gas Field
- ☑ CalGEM District
- ☐ Public Land Survey System
- ☑ City, Island, Offshore Lease, and Platform
- ☐ Legislative Districts
- ☐ County
- ☐ California Geologic Map



CONVERSE ENVIRONMENTAL WEST

9471 Ridgehaven Court, Suite C
San Diego, California 92123

Telephone (619) 268-3360
FAX (619) 268-8955

25/2285

RECEIVED
JUL 0 7 1993
PORT OF SAN DIEGO
ENVIRONMENTAL MANAGEMENT

REPORT OF SOIL AND BAY SEDIMENT CHARACTERIZATION

FISHERMAN'S VILLAGE
4904 NORTH HARBOR DRIVE
SAN DIEGO, CALIFORNIA
SD0028.005

PREPARED FOR:

DRISCOLL, INCORPORATED
2500 SHELTER ISLAND DRIVE
SAN DIEGO, CALIFORNIA 92106

CEW Project No. 92-82-161-02

CONVERSE ENVIRONMENTAL WEST

9471 Ridgehaven Court, Suite C
San Diego, California 92123

Telephone (619) 268-3360
FAX (619) 268-8955

August 10, 1992

Driscoll, Incorporated
2500 Shelter Island Drive
San Diego, California 92106

Attention: Mr. David Lloyd

Subject: **REPORT OF SOIL AND BAY SEDIMENT CHARACTERIZATION**
Fisherman's Village
4904 North Harbor Drive
San Diego, California
CEW Project No. 92-82-161-02

Converse Environmental West (CEW) is pleased to present this report of soil and bay sediment characterization at Fisherman's Village, located in San Diego, California.

Please call if you have any questions or need additional information.

Respectfully Submitted,
CONVERSE ENVIRONMENTAL WEST

Rod Reeve

Rod N. Reeve
Senior Geologist

RNR:kk

3/Addressee

TABLE OF CONTENTS

LIST OF DRAWING AND TABLES

EXECUTIVE SUMMARY

This report presents the findings of our soil and bay sediment characterization performed at Fisherman's Village, located at 4904 North Harbor Drive in San Diego, California (Drawing 1). This characterization included collecting three bay sediment samples from the piers, drilling seven soil borings, and analyzing soil samples from the subject site.

Three bay sediment samples, PIER-5, PIER-6, and PIER-7, were collected from three separate piers on July 10, 1992. Seven soil borings B-1 through B-7 were drilled and sampled on June 11, 1992 (Drawing 2). Soil samples collected from each boring and bay sediment samples collected from the piers were subsequently submitted for laboratory analysis. A summary of laboratory results is presented in Table 1 and on Drawing 3.

Soil samples were screened in the field using a photoionization detector (PID) to assist in designating samples for laboratory analysis at Analytical Technologies, Incorporated (ATI). Bay sediment samples were analyzed for priority pollutant metals, tributyltin (TBT), dibutyltin (DBT), and monobutyltin (MBT). Selected soil samples collected from each boring were analyzed for total petroleum hydrocarbons (TPH), in accordance with EPA Test Method 8015 Modified; total recoverable hydrocarbons (TRH); in accordance with EPA Test Method 418.1; benzene, toluene, ethylbenzene, and total xylenes (BTEX), in accordance with EPA Test Method 8020; chlorinated aromatic hydrocarbons, in accordance with EPA Test Method 8240; and organic lead, in accordance with the DHS Method.

TPH, TRH, and BTEX were detected in the soil samples collected from borings B-1 and B-3. These analytes were not detected in the soil samples collected from the remaining borings. TBT, DBT, and MBT were detected in each of the bay sediment samples collected from Pier 5, Pier 6, and Pier 7. Priority pollutant metals were not detected above the Total Threshold Limit Concentration (TTLC) in any of the bay sediment samples.

Based on the results of our subsurface characterization, it appears that TPH-impacted soil and groundwater exists in the northern portion of the subject site. The lateral extent of the TPH-impacted soil and groundwater has not been fully defined. The source of the TPH is assumed to be an unauthorized release from an UST on the adjacent property to the north.

Based on the findings of the seven initial borings, three additional borings are recommended.

1.0 INTRODUCTION

This report presents the results of the subsurface characterization conducted by Converse Environmental West (CEW) during June 1992. This report was prepared to evaluate potential contamination at the subject site and in the bay adjacent to the subject site.

Background Information

The site is located on the eastern portion of Commercial Basin, which is located in the northwestern portion of in San Diego Bay, San Diego, California (Drawing 1). The site is located at an approximate elevation of 10 feet above mean sea level (msl). The adjacent property to the northwest is occupied by a boat yard, and the adjacent property to the northeast is occupied by a U.S. Navy fleet sonar school. The remaining property is bordered by the San Diego Bay. The site is relatively level, with drainage apparently toward the San Diego Bay.

The site is currently utilized by Fisherman's Village, a commercial sport fishing complex including piers and a restaurant. The Fisherman's Village complex was constructed in 1986. The existing piers were constructed prior to 1953. A detailed history of the site is presented in CEW's "Preliminary Environmental Site Assessment Report" (Reference 3).

2.0 SCOPE OF WORK

The scope of work completed for this phase of exploration consisted of the following tasks to assess potential soil contamination on the subject site and in the bay sediments adjacent to the piers.

- ◇ Completed seven soil borings on the subject site
- ◇ Collected soil samples for laboratory analysis
- ◇ Collected three bay sediment samples for laboratory analysis
- ◇ Submitted samples for laboratory analysis
- ◇ Prepared this report

3.0 FIELD ACTIVITIES

3.1 Soil Borings and Soil Sampling

Seven soil borings, B-1 through B-7, were advanced on June 11, 1992, at the locations indicated on Drawing 2. Soil borings B-1 through B-7 were advanced to depths of approximately 5 to 6.5 feet below ground surface (bgs). The borings were advanced using a stainless-steel hand auger. Soil samples were collected at approximately two and one-half foot intervals. Samples were also collected at a depth assumed to be immediately above the groundwater table in each boring. Soil samples were placed in laboratory-supplied glass jars, sealed, labeled, and stored in a cooler with ice. Soil samples were subsequently transported to ATI, a state-certified laboratory, for analysis. The samples were evaluated in the field using a MicroTip photoionization detector (PID), and were logged according to the Unified Soil Classification System (Visual Manual Method). The boring logs are presented in Appendix A.

Sampling equipment was decontaminated between sampling intervals using an alconox solution and a distilled water rinse. Soil cuttings generated during drilling were stored on site in a labeled, DOT-approved, 55-gallon drum, which is currently awaiting proper disposal.

Subsequent to hand augering and soil sampling, the borings were backfilled with hydrated bentonite chips and capped with Rapid Set cement.

3.2 Bay Sediment Sampling

Bay sediment samples were collected from Piers 5, 6, and 7 at the locations indicated on Drawing 2. The bay sediment samples were collected utilizing a brass clam shell sampler. The clam shell sampler was lowered from the pier until it came to rest on the bay floor. A sediment sample was retained in the clam shell sampler as it was lifted from the bay floor. The bay sediment samples were placed in laboratory-supplied glass jars, labeled, stored in an ice-cooled, insulated container, and were transported to ATI. The bay sediment samples that were analyzed for TBT were transported to Quality Assurance Laboratories (QAL), a state-certified laboratory.

4.0 GEOLOGY

The subject site is situated in the vicinity of the eastern boundary of the San Diego Embayment within the Peninsular Range Province. The embayment is a stratigraphic sequence of Late Cretaceous, Tertiary, and Quaternary sedimentary deposits overlying crystalline basement rock. The basement complex consists of Jurassic, metavolcanic and metasedimentary rocks and Cretaceous, igneous rocks of the Southern California Batholith.

As encountered during our site characterization, the subject site is underlain by fill soils consisting of olive gray, light gray, and light brown, fine- to medium-grained sand. The fill soils appeared to be derived from former beach sand. Locally, the asphalt was underlain by up to two feet of imported, gravelly, base material.

5.0 GROUNDWATER

The site lies within the Point Loma Hydrologic Area of the Pueblo San Diego Hydrologic Unit (Reference 4). The San Diego Region of the California Regional Water Quality Control Board (RWQCB) has classified this area as not having beneficial groundwater uses for municipal, agricultural, and industrial purposes. The RWQCB generally sets groundwater clean-up levels in the area of the subject site in order to prevent further degradation of the San Diego Bay.

Surface run-off appears to flow to the southwest towards the San Diego Bay. Based on observations of soil conditions, the soil borings were terminated at what was assumed to be the base of the capillary fringe. Groundwater was therefore assumed to be at a depth of 5.5 to 7 feet bgs. Due to the lack of groundwater monitoring wells, site-specific groundwater flow direction is uncertain. Based on data obtained from previous groundwater characterizations in the area, the assumed groundwater flow direction is towards the San Diego Bay. Due to the subject sites' proximity to San Diego Bay, a tidal influence is anticipated to affect groundwater elevation, gradient, and flow direction.

6.0 LABORATORY TEST RESULTS

6.1 Soil Sample Analysis

On the basis of visual observations and sample depth, selected soil samples from borings B-1 through B-7 were analyzed for TPH using EPA Method 8015 Modified, for TRH using EPA Test Method 418.1, for BTEX using EPA Method 8020, for chlorinated hydrocarbons using the EPA Test Method 8240, and for organic lead using the DHS Method. A summary of sample results is presented in Table 1. Laboratory results indicated that TPH and TRH were not detected above the laboratory reported detection limit in the soil samples collected from borings B-2 and B-4 through B-7, inclusive. The soil sample collected at a depth of 6.5 feet bgs from boring B-1 contained 87,000 milligrams per kilogram (mg/kg) of TPH characterized as gasoline, and 650 mg/kg of TPH characterized as diesel. BTEX and organic lead were measured in concentrations of 220 mg/kg, 1,300 mg/kg, less than 13 mg/kg, 2,500 mg/kg, and 0.9 mg/kg, respectively. Other volatile organics were not detected above the laboratory detection limits in this soil sample. The soil sample collected at a depth of 6.5 feet bgs in boring B-3 contained 5.2 mg/kg, 0.3 mg/kg, 0.66 mg/kg, less than 0.05 mg/kg, and 0.80 mg/kg of TPH and BTEX, respectively.

Bay sediment samples collected from Piers 5, 6, and 7 contained TBT concentrations ranging from 12.0 to 15.0 μg/kg, DBT concentrations ranging from 32.0 to 50.0 μg/kg, and MBT concentrations ranging from 1.4 to 3.0 μg/kg. Priority pollutant metals were not detected above the TTLC in the bay sediment samples.

7.0 CONCLUSIONS

Based on a review of existing data and our additional subsurface characterization, the following conclusions can be made:

TPH-impacted soil was encountered in the northern portion of the subject site. The source of TPH contamination is potentially a result of an unauthorized release from USTs on the adjacent site to the west.

The potential for the groundwater at the subject site to be impacted by TPH contamination detected in the soil is considered high. The extent of soil and groundwater contamination in the northwestern portion of the subject site has not been fully defined.

Bay sediment samples collected from Piers 5, 6, and 7 did not contain priority pollutant metals above the TTLC.

Bay sediment samples collected from Piers 5, 6, and 7 contained TBT, DBT, and MBT concentrations of 17.0 μg/kg, 50.0 μg/kg, and 3.0 μg/kg, respectively.

8.0 RECOMMENDATIONS

CEW recommends that a minimum of three additional soil borings be drilled east of boring B-1 in order to define the lateral extent of TPH- impacted soil. If soil contamination is detected in any of these borings, then additional borings may be recommended until the lateral extent of TPH-impacted soil is defined. The locations of additional borings will be selected by "stepping out" approximately 10 to 15 feet from previously drilled borings that contained TPH-impacted soil.

CEW recommends that the 55-gallon drum containing soil cuttings from Boring B-1 be properly disposed of in accordance with local, state, and federal regulatory agency requirements.

8.0 LIMITATIONS

This report has been prepared for the exclusive use of Driscoll Incorporated as it pertains to the property located at 4904 North Harbor Drive in San Diego, California. Our services have been performed in accordance with applicable county ordinances and generally accepted practices in the geosciences. No other warranty, either express or implied, is made.

Converse Environmental West is not responsible or liable for any claims or damages associated with interpretation of available information. This report should not be regarded as a guarantee that no further contamination, beyond that which was detected during our observations is present beneath the property. In the event that changes in the nature of the property occur, or additional, relevant information about the property is brought to our attention, the conclusions and recommendations contained in this report may not be valid unless these changes and additional relevant information are reviewed, and the conclusions of this report are modified or verified in writing.

We appreciate this opportunity to provide services to Driscoll Incorporated. Please call if you have any questions.

Sincerely,
CONVERSE ENVIRONMENTAL WEST

Rod Reeve

Rod N. Reeve
Senior Geologist

RNR:kk

REFERENCES

REFERENCES

1. California Department of Water Resources, Bulletin No. 106-2, San Diego, California, 1966.

2. California Regional Water Quality Control Board, San Diego Region, "1990 Update of the Beneficial Uses and Water Quality Objectives of the Comprehensive Water Quality Control Plan For The San Diego Region, An Addendum to Staff Report Dated September 1990," dated September, 1991.

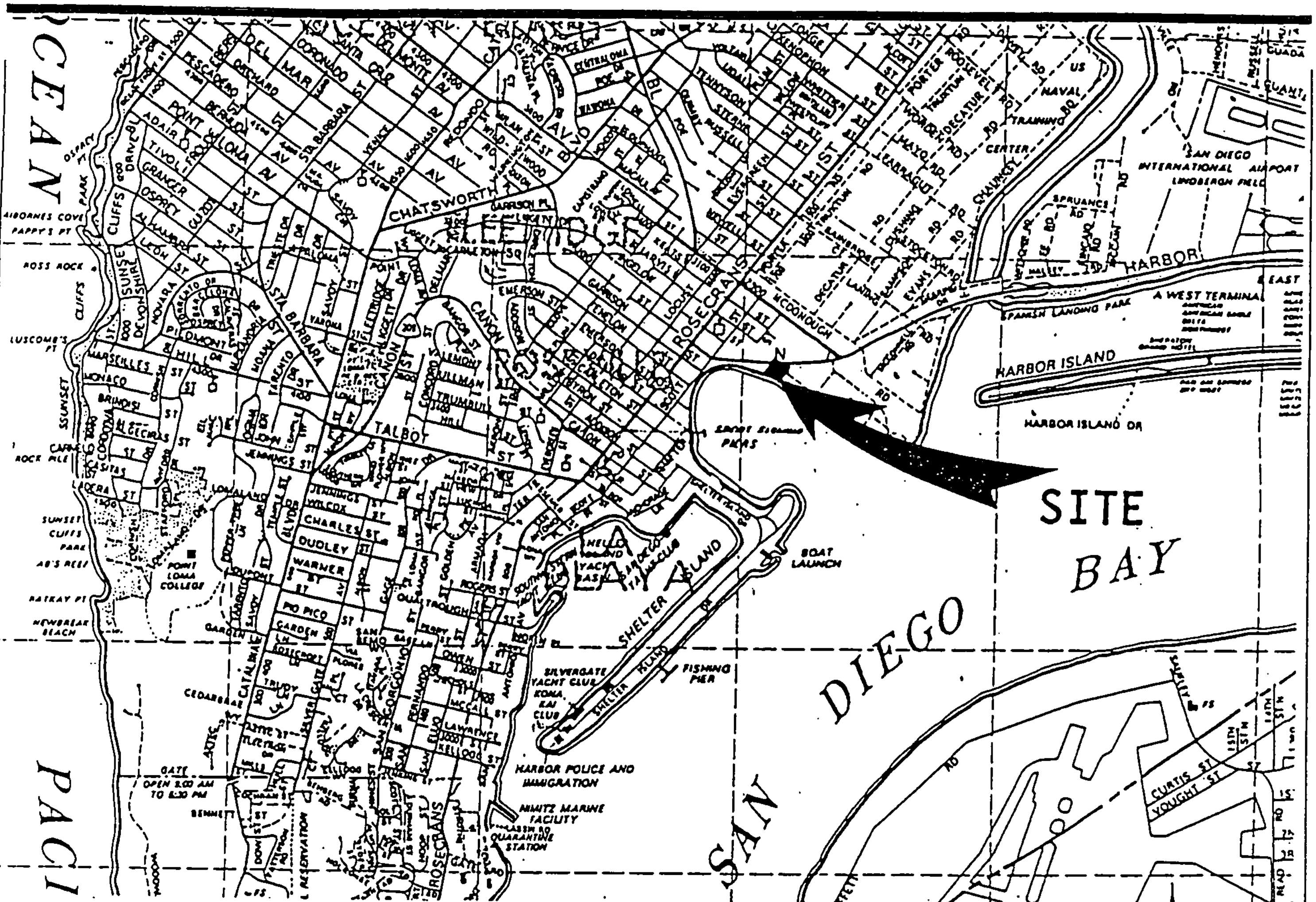
3. Converse Environmental West, "Preliminary Environmental Site Assessment, 4904 North Harbor Drive, San Diego, California," in progress.

4. Kennedy, M.P. and Peterson, G.L., "Geology of the San Diego Metropolitan Area, California, Bulletin 200: California Division of Mines and Geology," 1975.

5. San Diego County Hazardous Materials Management Division 1992 Site Assessment and Mitigation Manual (SA/M), dated January 1992.

6. State of California Water Resources Control Board, "Comprehensive Water Quality Control Plan Report, San Diego Basin (9)," dated June 1975.

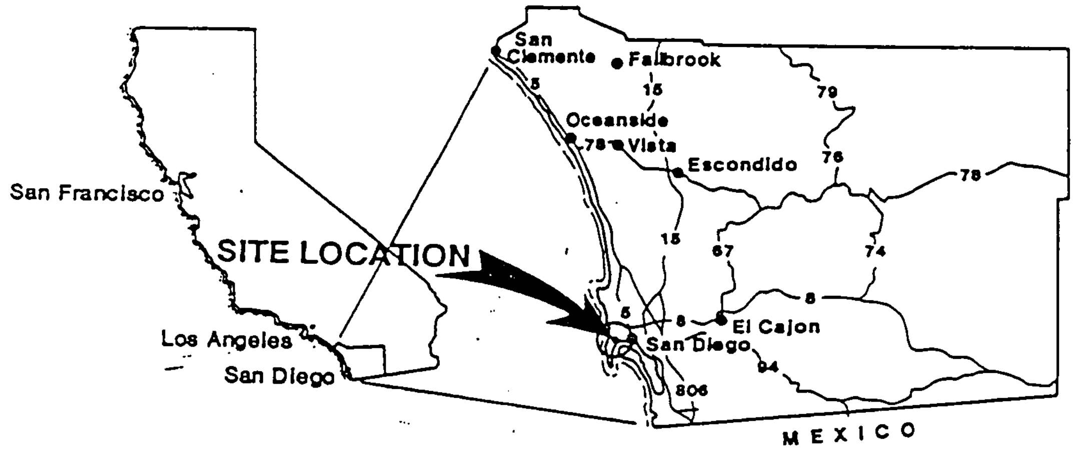
DRAWINGS



REFERENCE:
Thomas Bros. Guide, San Diego County
1992 edition, pages 59 & 64

Not to Scale

San Diego County



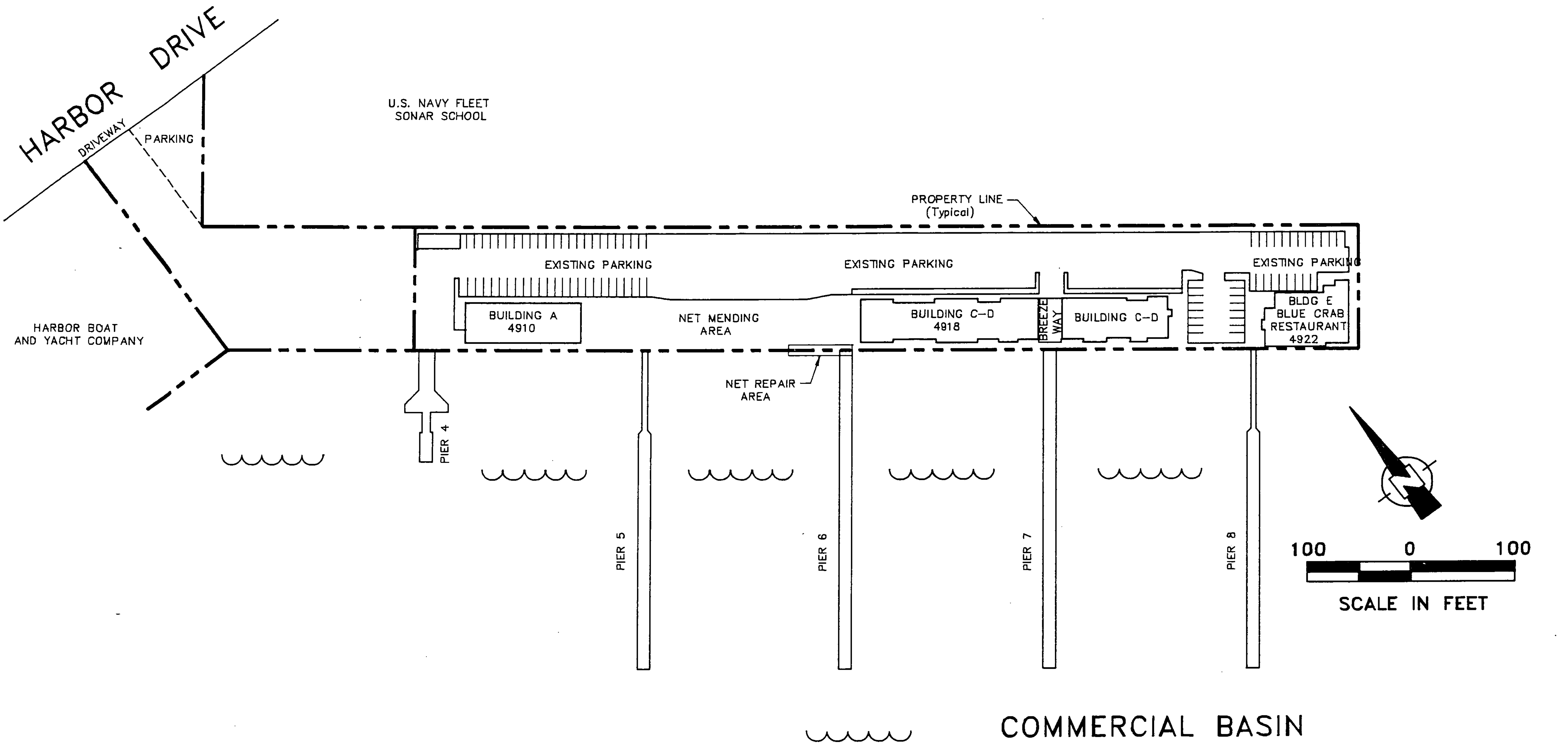
SITE LOCATION MAP

FISHERMEN'S VILLAGE PROPERTY
4910-4922 N. Harbor Drive, San Diego, CA
for: Driscoll Inc.

Project No.
92-82-161-02

Drawing No.
1

CONVERSE ENVIRONMENTAL WEST



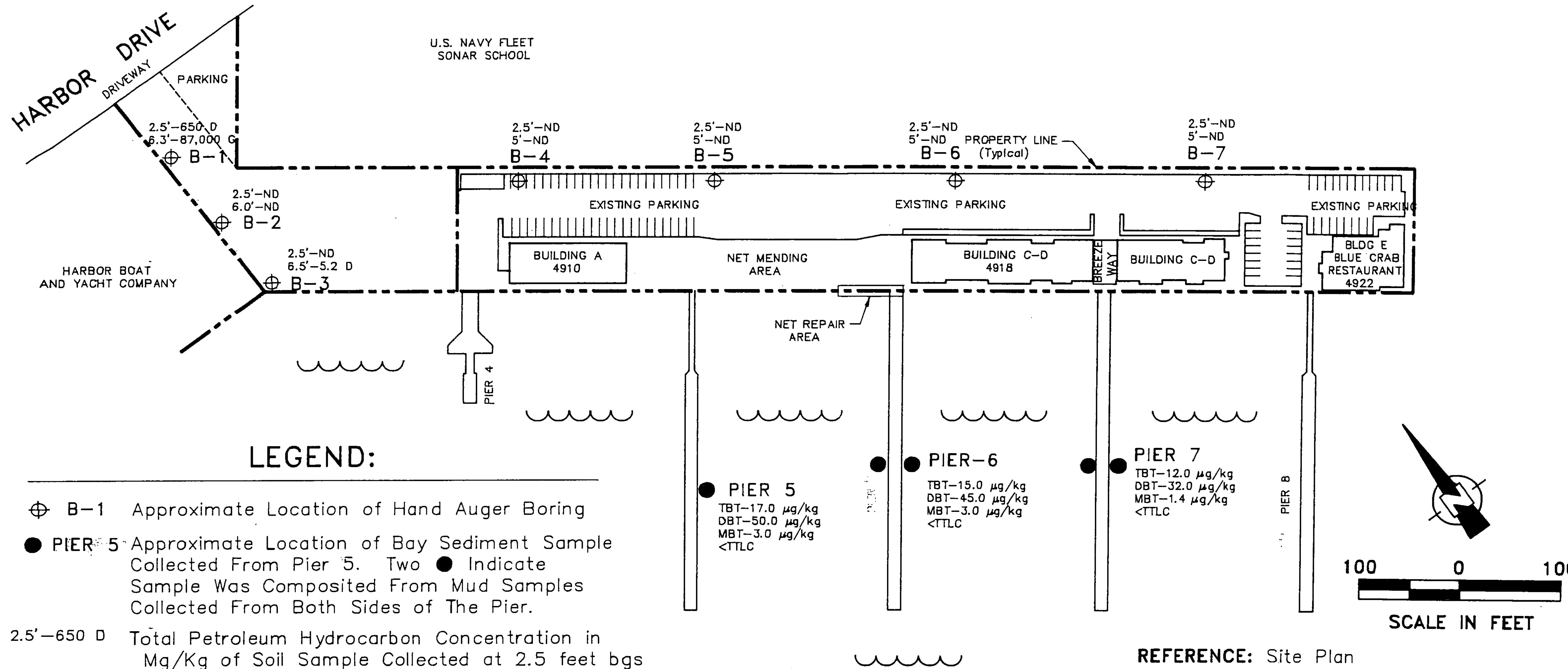
REFERENCE: Site Plan
San Diego Unified Port District
North Harbor Landing
by: Sam Linhardt, Designer
American Seafood Company
not dated

SITE PLAN

FISHERMAN'S VILLAGE PROPERTY
4910–4922 N. Harbor Drive, San Diego, CA
for: Driscoll Inc.

Converse Environmental West

Scale	AS SHOWN	Project No.	92–82–161–02
Date	6-16-93	Drawing No.	2
Prepared By	FSM		
Checked By	LJP		
Approved By	JCB		



LEGEND:

⊕ B–1	Approximate Location of Hand Auger Boring
● PIER 5	Approximate Location of Bay Sediment Sample Collected From Pier 5. Two ● Indicate Sample Was Composited From Mud Samples Collected From Both Sides of The Pier.
2.5'–650 D	Total Petroleum Hydrocarbon Concentration in Mg/Kg of Soil Sample Collected at 2.5 feet bgs D indicates TPH Characterized as Diesel G Indicates TPH Characterized as Gasoline ND indicates TPH Concentration "Not Detected"
TBT	Tributyltin
DBT	Dibutyltin
MBT	Monobutyltin
<TTLC	Indicates Priority Pollutant Metals were Not Detected Above the Total Threshold Limit Concentration (TTLC)

REFERENCE: Site Plan
San Diego Unified Port District
North Harbor Landing
by: Sam Linhardt, Designer
American Seafood Company
not dated

SOIL QUALITY AND SEDIMENT MAP

FISHERMAN'S VILLAGE PROPERTY
4910–4922 N. Harbor Drive, San Diego, CA
for: Driscoll Inc.

Converse Environmental West

Scale	AS SHOWN	Project No. 92–82–161–02
Date	6-16-93	
Prepared By	FSM	Drawing No. 3
Checked By	LJP	
Approved By	JCB	

TABLES

TABLE 1

SUMMARY OF ANALYTICAL RESULTS FOR SOIL SAMPLES
(mg/kg)

BORING NO.	DEPTH (feet)	EPA METHOD 8015[1] TOTAL PETROLEUM HYDROCARBONS (mg/kg)	EPA METHOD 418.1 TOTAL RECOVERABLE HYDROCARBONS (mg/kg)	EPA METHOD 8240 (mg/kg) BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	REMAINING VOLATILE ORGANICS	DHS METHOD ORGANIC LEAD (mg/kg)
B-1	2.5	650-d	NA	NA	NA	NA	NA	NA	NA
B-1	6.3	7,000-g	40,000	220	1300	<13	2500	ND	0.9
B-2	2.5	<5.0	NA	NA	NA	NA	NA	NA	NA
B-2	6.0	<5.0	NA	NA	NA	NA	NA	NA	NA
B-3	2.5	<5.0	NA	NA	NA	NA	NA	NA	NA
B-3	6.5	5.2-d	NA	NA	NA	NA	NA	NA	NA
B-4	2.5	<5.0	27	0.3	0.66	<0.05	0.70	NA	NA
B-4	5.0	<5.0	NA	NA	NA	NA	NA	NA	NA
B-5	2.5	<5.0	NA	NA	NA	NA	NA	NA	NA
B-5	5.0	<5.0	NA	NA	NA	NA	NA	NA	NA
B-6	2.5	<5.0	NA	NA	NA	NA	NA	NA	NA
B-6	5.0	<5.0	NA	NA	NA	NA	NA	NA	NA

92-82-161-02

TABLE 1 (cont.)

SUMMARY OF ANALYTICAL RESULTS FOR SOIL SAMPLES
(mg/kg)

BORING NO.	DEPTH (feet)	EPA METHOD 8015[1] TOTAL PETROLEUM HYDROCARBONS (mg/kg)	EPA METHOD 418.1 TOTAL RECOVERABLE HYDROCARBONS (mg/kg)	EPA METHOD 8240 (mg/kg) BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	REMAINING VOLATILE ORGANICS	DHS METHOD ORGANIC LEAD (mg/kg)
B-7	2.5	<5.0	NA	NA	NA	NA	NA	NA	NA
B-7	5.0	<5.0	NA	NA	NA	NA	NA	NA	NA

92-82-161-02

TABLE 2

SUMMARY OF ANALYTICAL RESULTS OF BAY SEDIMENT SAMPLES
PRIORITY POLLUTANT HEAVY METAL ANALYSIS

METAL	PIER 5	PIER 6	PIER 7	TTLC
Silver	<1.0	<1.0	<1.0	500
Arsenic	6.7	4.9	5.0	500
Beryllium	<0.5	<0.5	<0.5	75
Cadmium	<0.5	<0.5	<0.5	100
Chromium	42.3	27.5	25.0	2,500
Copper	262	156	146	2,500
Mercury	2.90	1.88	1.65	20
Nickel	7.1	4.9	4.7	2,000
Lead	62.6	40.7	43.1	1,000
Antimony	<3.0	<3.0	<3.0	500
Selenium	<1.0	<1.0	<1.0	100
Thallium	<1.0	<1.0	<1.0	700
Zinc	253	172	172	5,000

TBT, DBT AND MBT ANALYSIS

TBT	17.0	15.0	12.0
DBT	50.0	45.0	32.0
MBT	3.0	3.0	1.4

TTLC = Total threshold limit concentration

92-82-161-02

APPENDIX A

BORING LOGS

92-82-161-02

Log of Boring No. HA-1

Dates Drilled: 6/16/92 Logged by: BG Checked by: LJP

Equipment: Hand Auger Driving Weight and Drop: NA

Ground Surface Elevation: ± 10 Depth to Water:

DEPTH (ft)	GRAPHIC LOG	SUMMARY OF SUBSURFACE CONDITIONS This log is part of the report prepared by Converse for this project and should be read together with the report. This summary applies only at the location of the boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	SAMPLES: DRIVE	SAMPLES: GRAB SMPL	BLOWS/6 INCH.	MOISTURE (%)	DRY UNIT WT. (pcf)	PID (ppm)
		ASPHALT; 4 inches						
1		**FILL:** **SAND (SP):** olive gray, fine to medium, some small shells, slightly moist						
2								
3		**B-1/2.5'**	X					>9999
4		strong odor						
5		**B-1/5'**	X					>9999
		grades to medium grained, wet, strong odor **B-1/5.8'**	X					
6								>9999
		Boring terminated at 6.25 feet, below ground surface Boring backfilled with hydrated bentonite chips and capped with rapid set cement on 6-16-92						

Converse Environmental West

Project No. 92-82-161-01

Drawing No. A-1

Log of Boring No. HA-2

Dates Drilled: 6/16/92 Logged by: BG Checked by: LJP

Equipment: Hand Auger Driving Weight and Drop: NA

Ground Surface Elevation: ± 10 Depth to Water:

SUMMARY OF SUBSURFACE CONDITIONS

This log is part of the report prepared by Converse for this project and should be read together with the report. This summary applies only at the location of the boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

DEPTH (ft)	GRAPHIC LOG	SUMMARY OF SUBSURFACE CONDITIONS	SAMPLES: DRIVE	SAMPLES: GRAB SMPL	BLOWS/6 INCH.	MOISTURE (%)	DRY UNIT WT. (pcf)	PID (ppm)
		ASPHALT; 4 inches						
1		FILL:						
		SAND (SP): light gray to greenish gray, fine to medium, moist						
2								
		B-2/2.5'						170
3								
4								
5		B-2/5'						
		becomes light brown						181
		B-2/5.5'						
6		wet						176
		Boring terminated at 6 feet below ground surface Boring backfilled with hydrated bentonite chips and capped with rapid set cement on 6-16-92						

Converse Environmental West

Project No. 92-82-161-01

Drawing No. A-2

Log of Boring No. HA-3

Dates Drilled: 6/16/92 Logged by: BG Checked by: LJP

Equipment: Hand Auger Driving Weight and Drop: NA

Ground Surface Elevation: ± 10 Depth to Water:

DEPTH (ft)	GRAPHIC LOG	SUMMARY OF SUBSURFACE CONDITIONS This log is part of the report prepared by Converse for this project and should be read together with the report. This summary applies only at the location of the boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	SAMPLES: DRIVE	SAMPLES: GRAB SMPL	BLOWS/6 INCH.	MOISTURE (%)	DRY UNIT WT. (pcf)	PID (ppm)
		ASPHALT; 3 inches						
1		**FILL:** **SAND with GRAVEL (SP):** light brown, medium, moist, base material						
2		**SAND (SP):** light brown, fine to medium, trace shells, moist						
3		**B-3/2.5'**						
4								
5		**B-3/5.75'**						
6		**SAND (SP):** dark brown, fine to medium, some shells **B-3/6.5'**						
		Boring terminated at 6.5 feet below ground surface Boring backfilled with hydrated bentonite chips and capped with rapid set cement on 6-19-92						

Converse Environmental West

Project No. 92-82-161-01

Drawing No. A-3

Log of Boring No. HA-4

Dates Drilled: 6/16/92 Logged by: BG Checked by: LJP

Equipment: Hand Auger Driving Weight and Drop: NA

Ground Surface Elevation: ± 10 Depth to Water:

DEPTH (ft)	GRAPHIC LOG	SUMMARY OF SUBSURFACE CONDITIONS This log is part of the report prepared by Converse for this project and should be read together with the report. This summary applies only at the location of the boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	SAMPLES: DRIVE	SAMPLES: GRAB SMPL	BLOWS/6 INCH.	MOISTURE (%)	DRY UNIT WT. (pcf)	PID (ppm)
		ASPHALT; 3 inches						
		FILL: SAND with GRAVEL (SP): light brown, medium sand, moist						
1								
2		SAND (SP): light brown, fine, wet						
		B-4/2.5'						36
3								
4								
		B-4/4.5'						
		SAND (SP): light brown, fine, wet						
5								31
		Boring terminated at 5 feet below ground surface Boring backfilled with hydrated bentonite chips and capped with rapid set cement on 6-16-92						

Converse Environmental West

Project No. 92-82-161-01

Drawing No. A-4

Log of Boring No. HA-5

Dates Drilled: 6/16/92 Logged by: BG Checked by: LJP

Equipment: Hand Auger Driving Weight and Drop: NA

Ground Surface Elevation: ± 10 Depth to Water:

DEPTH (ft)	GRAPHIC LOG	SUMMARY OF SUBSURFACE CONDITIONS This log is part of the report prepared by Converse for this project and should be read together with the report. This summary applies only at the location of the boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	SAMPLES: DRIVE	SAMPLES: GRAB SMPL	BLOWS/6 INCH.	MOISTURE (%)	DRY UNIT WT. (pcf)	PID (ppm)
		ASPHALT; 3 inches						
		FILL:						
1		SAND (SP): light brown, moist, lenses of clayey sand						
2								
		B-5/2.5'						
3		becomes light grayish white						
4								
		B-5/4.5'						
5								
		Boring terminated at 5 feet below existing ground surface Boring backfilled with hydrated bentonite chips and capped with rapid set cement on 6-16-92						

Converse Environmental West

Project No. 92-82-161-01

Drawing No. A-5

Log of Boring No. HA-6

Dates Drilled: 6/16/92 Logged by: BG Checked by: LJP

Equipment: Hand Auger Driving Weight and Drop: NA

Ground Surface Elevation: ± 10 Depth to Water:

DEPTH (ft)	GRAPHIC LOG	SUMMARY OF SUBSURFACE CONDITIONS This log is part of the report prepared by Converse for this project and should be read together with the report. This summary applies only at the location of the boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	SAMPLES DRIVE	SAMPLES GRAB SMPL	BLOWS/6 INCH.	MOISTURE (%)	DRY UNIT WT. (pcf)	PID (ppm)
		ASPHALT; 3 inches						
1		**FILL:** **SAND (SP):** light brown, fine to medium, moist						
2								
3		B-6/2.5'						
4		grades to fine sand, moist						
5		B-6/5.5'						
6		wet						
		Boring terminated at 6 feet below ground surface Boring backfilled with hydrated bentonite chips and capped with rapid set cement on 6-16-92						

Converse Environmental West

Project No. 92-82-161-01

Drawing No. A-6

Log of Boring No. HA-7

Dates Drilled: 6/16/92 Logged by: BG Checked by: LJP

Equipment: Hand Auger Driving Weight and Drop: NA

Ground Surface Elevation: ± 10 Depth to Water:

DEPTH (ft)	GRAPHIC LOG	SUMMARY OF SUBSURFACE CONDITIONS This log is part of the report prepared by Converse for this project and should be read together with the report. This summary applies only at the location of the boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	SAMPLES DRIVE	SAMPLES GRAB SMPL	BLOWS/6 INCH.	MOISTURE (%)	DRY UNIT WT. (pcf)	PID (ppm)
		ASPHALT; 3 inches						
		FILL:						
1		SAND (SP): light brown, medium, moist						
2								
		B-7/2.5'						
3								
4								
		B-7/4.5'						
		very moist						
5								
		Boring terminated at 5 feet below ground surface Boring backfilled with hydrated bentonite chips and capped with rapid set cement on 6-16-92						

Converse Environmental West

Project No. 92-82-161-01

Drawing No. A-7

APPENDIX B

LABORATORY RESULTS AND
CHAIN OF CUSTODY DOCUMENTS

AnalyticalTechnologies, Inc. Corporate Offices: 5550 Morehouse Drive San Diego, CA 92121 (619) 458-9141

ATI I.D.: 20626

July 01, 1992

CONVERSE ENVIRONMENTAL WEST
9471 RIDGEHAVEN COURT, SUITE C
SAN DIEGO, CA 92123

Project Name: DRISCOL
Project # : 92-82-161-01

Attention: LYNE PERRY

Analytical Technologies, Inc. has received the following sample(s):

Date Received	Quantity	Matrix
June 17, 1992	21	SOIL

The sample(s) were analyzed with EPA methodology or equivalent methods as specified in th enclosed analytical schedule. The symbol for "less than" indicates a value below the reportabl detection limit. Please see the attached sheet for the sample cross reference table.

The results of these analyses and the quality control data are enclosed.

LESLIE GETMAN
PROJECT MANAGER

for KENNETH WAHL
LABORATORY MANAGER

AnalyticalTechnologies,Inc.

METALS RESULTS

Client : CONVERSE ENVIRONMENTAL WEST
Project # : 92-82-161-01
Project Name: DRISCOL

ATI I.D.: 20626

Sample #	Client ID	Matrix	Date Sampled	Date Received
20	HIGHEST TPH: 01-04(B-1/6.3)#02	SOIL	16-JUN-92	17-JUN-9

Parameter	Units	20
ORGANIC LEAD	MG/KG	0.9

AnalyticalTechnologies,Inc.

METALS - QUALITY CONTROL

DUP/MS

Client : CONVERSE ENVIRONMENTAL WEST
Project # : 92-82-161-01
Project Name: DRISCOL

ATI I.D. : 20626[illegible]

Parameters	REF I.D.	Units	Sample Result	Dup Result	RPD	Spiked Sample	Spike Conc	% Rec
ORGANIC LEAD	206293-01	MG/KG	<0.8	<0.8	0	34.5	24.5	141*N

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

*N SPIKED SAMPLE RECOVERY NOT WITHIN CONTROL LIMITS

AnalyticalTechnologies,Inc.

SAMPLE CROSS REFERENCE

Client : CONVERSE ENVIRONMENTAL WEST
Project # : 92-82-161-01
Project Name: DRISCOL

Report Date: July 01, 1992
ATI I.D. : 206265

ATI #	Client Description	Matrix	Date Collected
1	B-1/2.5	SOIL	16-JUN-92
2	B-1/6.3	SOIL	16-JUN-92
3	B-2/2.5	SOIL	16-JUN-92
4	B-2/6.0	SOIL	16-JUN-92
5	B-3/2.5	SOIL	16-JUN-92
6	B-3/6.5	SOIL	16-JUN-92
7	B-4/2.5	SOIL	16-JUN-92
8	B-4/5.0	SOIL	16-JUN-92
9	B-5/2.5	SOIL	16-JUN-92
10	B-5/5.0	SOIL	16-JUN-92
11	B-6/2.5	SOIL	16-JUN-92
12	B-6/5.0	SOIL	16-JUN-92
13	B-7/2.5	SOIL	16-JUN-92
14	B-7/5.0	SOIL	16-JUN-92
15	B-1/5.0	SOIL	16-JUN-92
16	B-2/5.0	SOIL	16-JUN-92
17	B-3/5.8	SOIL	16-JUN-92
18	HIGHEST TPH: 01-02(B-1/6.3)#02	SOIL	16-JUN-92
19	TPH: 03-04(NO HIGHEST)B-2/6.0	SOIL	16-JUN-92
20	HIGHEST TPH: 01-04(B-1/6.3)#02	SOIL	16-JUN-92
21	HIGHEST TPH: 05-14(B-3/6.5)#06	SOIL	16-JUN-92

---TOTALS---

Matrix	# Samples
SOIL	21

ATI STANDARD DISPOSAL PRACTICE

The sample(s) from this project will be disposed of in twenty-one (21) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

AnalyticalTechnologies,Inc.

ANALYTICAL SCHEDULE

Client : CONVERSE ENVIRONMENTAL WEST
Project # : 92-82-161-01
Project Name: DRISCOL

ATI I.D.: 20626[illegible]

Analysis	Technique/Description
EPA 6010 (LEAD, ORGANIC)	INDUCTIVELY COUPLED ARGON PLASMA
EPA 8240 (GC/MS FOR VOLATILE ORGANICS)	GC/MASS SPECTROMETER
MOD EPA 418.1 (PETROLEUM HYDROCARBONS)	INFRARED SPECTROMETER
MOD EPA 8015-CDOHS (FUEL HYDROCARBONS)	GC/FLAME IONIZATION DETECTOR

AnalyticalTechnologies,Inc.

GENERAL CHEMISTRY RESULTS

lient : CONVERSE ENVIRONMENTAL WEST
roject # : 92-82-161-01
roject Name: DRISCOL

ATI I.D.: 20626Ƽ

ample #	Client ID	Matrix	Date Sampled	Date Received
.8	HIGHEST TPH: 01-02(B-1/6.3)#02	SOIL	16-JUN-92	17-JUN-9:
.9	TPH: 03-04(NO HIGHEST)B-2/6.0	SOIL	16-JUN-92	17-JUN-9:
:1	HIGHEST TPH: 05-14(B-3/6.5)#06	SOIL	16-JUN-92	17-JUN-9:

Parameter	Units	18	19	21
PETROLEUM HYDROCARBONS	MG/KG	40000	1	27

AnalyticalTechnologies,Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

DUP/MS

Client : CONVERSE ENVIRONMENTAL WEST
Project # : 92-82-161-01
Project Name: DRISCOL

ATI I.D. : 20626

Parameters	REF I.D.	Units	Sample Result	Dup Result	RPD	Spiked Sample	Spike Conc	% Rec
PETROLEUM HYDROCARBONS	206067-01	MG/KG	<1	<1	0	120	120	100

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

AnalyticalTechnologies,Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

BLANK SPIKE

Client : CONVERSE ENVIRONMENTAL WEST
Project # : 92-82-161-01
Project Name: DRISCOL

ATI I.D. : 206265

Parameters	Blank Spike ID#	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
PETROLEUM HYDROCARBONS	26119	MG/KG	<1	150	130	115

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

AnalyticalTechnologies,Inc.

METALS - QUALITY CONTROL

BLANK SPIKE

Client : CONVERSE ENVIRONMENTAL WEST
Project # : 92-82-161-01
Project Name: DRISCOL

ATI I.D. : 20626E

Parameters	Blank Spike ID#	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
ORGANIC LEAD	26086	MG/KG	<0.3	12.1	9.7	125

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

Analytical**Technologies,**Inc.

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY RESULTS

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS)
Client : CONVERSE ENVIRONMENTAL WEST
Project # : 92-82-161-01
Project Name: DRISCOL

ATI I.D. : 206265

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
1	B-1/2.5	SOIL	16-JUN-92	18-JUN-92	19-JUN-92	1.00
2	B-1/6.3	SOIL	16-JUN-92	18-JUN-92	21-JUN-92	1000.00
3	B-2/2.5	SOIL	16-JUN-92	18-JUN-92	20-JUN-92	1.00

Parameter	Units	1	2	3
FUEL HYDROCARBONS	MG/KG	650	87000	<5.0
HYDROCARBON RANGE		C6-C24	C6-C14	-
HYDROCARBONS QUANTITATED USING		DIESEL	GASOLINE	-

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY RESULTS

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS)
Client : CONVERSE ENVIRONMENTAL WEST
Project # : 92-82-161-01
Project Name: DRISCOL

ATI I.D. : 206265

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
4	B-2/6.0	SOIL	16-JUN-92	18-JUN-92	19-JUN-92	1.00
5	B-3/2.5	SOIL	16-JUN-92	18-JUN-92	21-JUN-92	1.00
6	B-3/6.5	SOIL	16-JUN-92	18-JUN-92	19-JUN-92	1.00

Parameter	Units	4	5	6
FUEL HYDROCARBONS	MG/KG	<5.0	<5.0	5.2
HYDROCARBON RANGE		-	-	C15-C24
HYDROCARBONS QUANTITATED USING		-	-	DIESEL

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY RESULTS

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS)
Client : CONVERSE ENVIRONMENTAL WEST — ATI I.D. : 206265
Project # : 92-82-161-01
Project Name: DRISCOL

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
7	B-4/2.5	SOIL	16-JUN-92	18-JUN-92	19-JUN-92	1.00
8	B-4/5.0	SOIL	16-JUN-92	18-JUN-92	19-JUN-92	1.00
9	B-5/2.5	SOIL	16-JUN-92	18-JUN-92	20-JUN-92	1.00

Parameter	Units	7	8	9
FUEL HYDROCARBONS	MG/KG	<5.0	<5.0	<5.0
HYDROCARBON RANGE		-	-	-
HYDROCARBONS QUANTITATED USING		-	-	-

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY RESULTS

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS)
Client : CONVERSE ENVIRONMENTAL WEST
ATI I.D. : 206265
Project # : 92-82-161-01
Project Name: DRISCOL

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
10	B-5/5.0	SOIL	16-JUN-92	18-JUN-92	19-JUN-92	1.00
11	B-6/2.5	SOIL	16-JUN-92	18-JUN-92	19-JUN-92	1.00
12	B-6/5.0	SOIL	16-JUN-92	18-JUN-92	18-JUN-92	1.00

Parameter	Units	10	11	12
FUEL HYDROCARBONS	MG/KG	<5.0	<5.0	<5.0
HYDROCARBON RANGE		-	-	-
HYDROCARBONS QUANTITATED USING		-	-	-

Analytical**Technologies**,Inc.

GAS CHROMATOGRAPHY RESULTS

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS)
Client : CONVERSE ENVIRONMENTAL WEST
Project # : 92-82-161-01
Project Name: DRISCOL

ATI I.D. : 206265

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
13	B-7/2.5	SOIL	16-JUN-92	18-JUN-92	19-JUN-92	1.00
14	B-7/5.0	SOIL	16-JUN-92	18-JUN-92	19-JUN-92	1.00

Parameter	Units	13	14
FUEL HYDROCARBONS	MG/KG	<5.0	<5.0
HYDROCARBON RANGE		-	-
HYDROCARBONS QUANTITATED USING		-	-

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

REAGENT BLANK

'est	: MOD EPA 8015-CDOHS (FUEL HYDROCARBONS)
lank I.D.	: 19817
lient	: CONVERSE ENVIRONMENTAL WEST
roject #	: 92-82-161-01
roject Name:	DRISCOL

ATI I.D.	: 206265
Date Extracted:	18-JUN-92
Date Analyzed	: 18-JUN-92
Dil. Factor	: 1.00

arameters	Units	Results
UEL HYDROCARBONS	MG/KG	<5.0
YDROCARBON RANGE		-
YDROCARBONS QUANTITATED USING		-

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS)
MSMSD # : 35061
Client : CONVERSE ENVIRONMENTAL WEST

Project # : 92-82-161-01
Project Name: DRISCOL

ATI I.D. : 206265
Date Extracted: 18-JUN-92
Date Analyzed : 19-JUN-92
Sample Matrix : SOIL
REF I.D. : 206265-07

Parameters	Units	Sample Result	Conc Spike	Spiked Sample	% Rec	Dup Spike	Dup % Rec	RPD
FUEL HYDROCARBONS	MG/KG	<5.0	100	104	104	93	93	11

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample Result - Duplicate Spike Result)*100/Average Result

Analytical**Technologies**,Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS)
MSMSD # : 35062
Client : CONVERSE ENVIRONMENTAL WEST

Project # : 92-82-161-01
Project Name: DRISCOL

ATI I.D. : 206265
Date Extracted: 18-JUN-92
Date Analyzed : 18-JUN-92
Sample Matrix : SOIL
REF I.D. : 206265-12

Parameters	Units	Sample Result	Conc Spike	Spiked Sample	% Rec	Dup Spike	Dup % Rec	RPD
FUEL HYDROCARBONS	MG/KG	<5.0	100	92	92	94	94	2

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample Result - Duplicate Spike Result)*100/Average Result

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

BLANK SPIKE

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS)
Blank Spike #: 25993
Client : CONVERSE ENVIRONMENTAL WEST
Project # : 92-82-161-01
Project Name : DRISCOL

ATI I.D. : 206265
Date Extracted: 18-JUN-92
Date Analyzed : 19-JUN-92
Sample Matrix : SOIL

Parameters	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
FUEL HYDROCARBONS	MG/KG	<5.0	97	100	97

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample - Blank Result)*100/Average Result

AnalyticalTechnologies, Inc.

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY RESULTS

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Client : CONVERSE ENVIRONMENTAL WEST
Project # : 92-82-161-01
Project Name: DRISCOL

ATI I.D. : 206265

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
20	HIGHEST TPH: 01-04(B-1/6.3)#02	SOIL	16-JUN-92	22-JUN-92	24-JUN-92	250.00
21	HIGHEST TPH: 05-14(B-3/6.5)#06	SOIL	16-JUN-92	22-JUN-92	23-JUN-92	1.00

Parameter	Units	20	21
CHLOROMETHANE	MG/KG	<130	<0.50
VINYL CHLORIDE	MG/KG	<75	<0.3
BROMOMETHANE	MG/KG	<130	<0.50
CHLOROETHANE	MG/KG	<75	<0.3
ACETONE	MG/KG	<130	<0.50
1,1-DICHLOROETHENE	MG/KG	<13	<0.05
METHYLENE CHLORIDE	MG/KG	<75TR*B	<0.30TR*B
CARBON DISULFIDE	MG/KG	<13	<0.05
TRANS-1,2-DICHLOROETHENE	MG/KG	<13	<0.05
1,1-DICHLOROETHANE	MG/KG	<13	<0.05
CIS-1,2-DICHLOROETHENE	MG/KG	<13	<0.05
CHLOROFORM	MG/KG	<13	<0.05
2-BUTANONE (MEK)	MG/KG	<130	<0.50
1,1,1-TRICHLOROETHANE	MG/KG	<13	<0.05
CARBON TETRACHLORIDE	MG/KG	<13	<0.05
1,2-DICHLOROETHANE	MG/KG	<13	<0.05
BENZENE	MG/KG	220	0.3
TRICHLOROETHENE	MG/KG	<13	<0.05
1,2-DICHLOROPROPANE	MG/KG	<13	<0.05
BROMODICHLOROMETHANE	MG/KG	<13	<0.05
4-METHYL-2-PENTANONE (MIBK)	MG/KG	<130	<0.50
CIS-1,3-DICHLOROPROPENE	MG/KG	<13	<0.05
TOLUENE	MG/KG	1300	0.66
TRANS-1,3-DICHLOROPROPENE	MG/KG	<13	<0.05
2-HEXANONE (MBK)	MG/KG	<130	<0.50
1,1,2-TRICHLOROETHANE	MG/KG	<13	<0.05
TETRACHLOROETHENE	MG/KG	<13	<0.05
DIBROMOCHLOROMETHANE	MG/KG	<13	<0.05
CHLOROBENZENE	MG/KG	<13	<0.05
ETHYLBENZENE	MG/KG	<13	<0.05
XYLENES (TOTAL)	MG/KG	2500	0.70
STYRENE	MG/KG	<13	<0.05
BROMOFORM	MG/KG	<75	<0.3
1,1,2,2-TETRACHLOROETHANE	MG/KG	<13	<0.05
SURROGATES			
1,2-DICHLOROETHANE-D4	%	N/A*K	86
TOLUENE-D8	%	N/A*K	93
BFB	%	N/A*K	84

*K DUE TO THE NECESSARY DILUTION OF THE SAMPLE, RESULT WAS NOT ATTAINABLE.
TR COMPOUND DETECTED AT AN UNQUANTIFIABLE TRACE LEVEL
*B ANALYTE FOUND IN THE ASSOCIATED REAGENT BLANK.

AnalyticalTechnologies,Inc.

ADDITIONAL COMPOUNDS (SEMI-QUANTITATED)

Method : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Client : CONVERSE ENVIRONMENTAL WEST
Project # : 92-82-161-01
Project Name: DRISCOL

SOIL
ATI I.D.: 206265

Sample	Parameters	Units	Results
20	ALIPHATIC HYDROCARBON C7	MG/KG	1000
	DIMETHYLHEXANE	MG/KG	1000
	ALIPHATIC HYDROCARBON C8	MG/KG	600
	METHYLETHYLBENZENE ISOMER	MG/KG	1000
	TRIMETHYLBENZENE ISOMER	MG/KG	1000
21	NONE DETECTED	N/A	N/A

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY - QUALITY CONTROL

REAGENT BLANK

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Blank I.D. : 19894
Client : CONVERSE ENVIRONMENTAL WEST
Project # : 92-82-161-01
Project Name: DRISCOL

ATI I.D. : 206265
Date Extracted: 22-JUN-92
Date Analyzed : 23-JUN-92
Dil. Factor : 1.00

Parameters	Units	Results
CHLOROMETHANE	MG/KG	<0.50
VINYL CHLORIDE	MG/KG	<0.3
BROMOMETHANE	MG/KG	<0.50
CHLOROETHANE	MG/KG	<0.3
ACETONE	MG/KG	<0.50
1,1-DICHLOROETHENE	MG/KG	<0.05
METHYLENE CHLORIDE	MG/KG	0.30
CARBON DISULFIDE	MG/KG	<0.05
TRANS-1,2-DICHLOROETHENE	MG/KG	<0.05
1,1-DICHLOROETHANE	MG/KG	<0.05
CIS-1,2-DICHLOROETHENE	MG/KG	<0.05
CHLOROFORM	MG/KG	<0.05
2-BUTANONE (MEK)	MG/KG	<0.50
1,1,1-TRICHLOROETHANE	MG/KG	<0.05
CARBON TETRACHLORIDE	MG/KG	<0.05
1,2-DICHLOROETHANE	MG/KG	<0.05
BENZENE	MG/KG	<0.05
TRICHLOROETHENE	MG/KG	<0.05
1,2-DICHLOROPROPANE	MG/KG	<0.05
BROMODICHLOROMETHANE	MG/KG	<0.05
4-METHYL-2-PENTANONE (MIBK)	MG/KG	<0.50
CIS-1,3-DICHLOROPROPENE	MG/KG	<0.05
TOLUENE	MG/KG	<0.1
TRANS-1,3-DICHLOROPROPENE	MG/KG	<0.05
2-HEXANONE (MBK)	MG/KG	<0.50
1,1,2-TRICHLOROETHANE	MG/KG	<0.05
TETRACHLOROETHENE	MG/KG	<0.05
DIBROMOCHLOROMETHANE	MG/KG	<0.05
CHLOROBENZENE	MG/KG	<0.05
ETHYLBENZENE	MG/KG	<0.05
XYLENES (TOTAL)	MG/KG	<0.05
STYRENE	MG/KG	<0.05
BROMOFORM	MG/KG	<0.3
1,1,2,2-TETRACHLOROETHANE	MG/KG	<0.05
SURROGATES		
1,2-DICHLOROETHANE-D4	%	92
TOLUENE-D8	%	116
BFB	%	89

Analytical**Technologies,**Inc.

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY - QUALITY CONTROL

REAGENT BLANK
ADDITIONAL COMPOUNDS (SEMI-QUANTITATED)

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Blank I.D. : 19894
Client : CONVERSE ENVIRONMENTAL WEST
Project # : 92-82-161-01
Project Name: DRISCOL

ATI I.D. : 206265

Parameters	Units	Results
NONE DETECTED	N/A	N/A

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY - QUALITY CONTROL

REAGENT BLANK

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Blank I.D. : 19914
Client : CONVERSE ENVIRONMENTAL WEST
Project # : 92-82-161-01
Project Name: DRISCOL

ATI I.D. : 206265
Date Extracted: 22-JUN-92
Date Analyzed : 24-JUN-92
Dil. Factor : 1.00

Parameters	Units	Results
CHLOROMETHANE	MG/KG	<0.50
VINYL CHLORIDE	MG/KG	<0.3
BROMOMETHANE	MG/KG	<0.50
CHLOROETHANE	MG/KG	<0.3
ACETONE	MG/KG	<0.50
1,1-DICHLOROETHENE	MG/KG	<0.05
METHYLENE CHLORIDE	MG/KG	<0.30TR
CARBON DISULFIDE	MG/KG	<0.05
TRANS-1,2-DICHLOROETHENE	MG/KG	<0.05
1,1-DICHLOROETHANE	MG/KG	<0.05
CIS-1,2-DICHLOROETHENE	MG/KG	<0.05
CHLOROFORM	MG/KG	<0.05
2-BUTANONE (MEK)	MG/KG	<0.50
1,1,1-TRICHLOROETHANE	MG/KG	<0.05
CARBON TETRACHLORIDE	MG/KG	<0.05
1,2-DICHLOROETHANE	MG/KG	<0.05
BENZENE	MG/KG	<0.05
TRICHLOROETHENE	MG/KG	<0.05
1,2-DICHLOROPROPANE	MG/KG	<0.05
BROMODICHLOROMETHANE	MG/KG	<0.05
4-METHYL-2-PENTANONE (MIBK)	MG/KG	<0.50
CIS-1,3-DICHLOROPROPENE	MG/KG	<0.05
TOLUENE	MG/KG	<0.1
TRANS-1,3-DICHLOROPROPENE	MG/KG	<0.05
2-HEXANONE (MBK)	MG/KG	<0.50
1,1,2-TRICHLOROETHANE	MG/KG	<0.05
TETRACHLOROETHENE	MG/KG	<0.05
DIBROMOCHLOROMETHANE	MG/KG	<0.05
CHLOROBENZENE	MG/KG	<0.05
ETHYLBENZENE	MG/KG	<0.05
XYLENES (TOTAL)	MG/KG	<0.05
STYRENE	MG/KG	<0.05
BROMOFORM	MG/KG	<0.3
1,1,2,2-TETRACHLOROETHANE	MG/KG	<0.05
SURROGATES		
1,2-DICHLOROETHANE-D4	%	91
TOLUENE-D8	%	104
BFB	%	85

TR COMPOUND DETECTED AT AN UNQUANTIFIABLE TRACE LEVEL

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY - QUALITY CONTROL

REAGENT BLANK
ADDITIONAL COMPOUNDS (SEMI-QUANTITATED)

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Blank I.D. : 19914
Client : CONVERSE ENVIRONMENTAL WEST
Project # : 92-82-161-01
Project Name: DRISCOL

ATI I.D. : 206265

Parameters	Units	Results
NONE DETECTED	N/A	N/A

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY - QUALITY CONTROL

MSMSD

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
MSMSD # : 35251
Client : CONVERSE ENVIRONMENTAL WEST

Project # : 92-82-161-01
Project Name: DRISCOL

ATI I.D. : 206265
Date Extracted: 22-JUN-92
Date Analyzed : 24-JUN-92
Sample Matrix : SOIL
REF I.D. : 206292-01

Parameters	Units	Sample Result	Conc Spike	Spiked Sample	% Rec	Dup Spike	Dup % Rec	RPD
1,1-DICHLOROETHENE	MG/KG	<0.05	2.5	1.6	64	1.7	68	6
BENZENE	MG/KG	<0.05	2.5	1.9	76	1.9	76	0
TRICHLOROETHENE	MG/KG	<0.05	2.5	1.9	76	1.8	72	5
TOLUENE	MG/KG	<0.1	2.5	2.0	80	2.1	84	5
CHLOROBENZENE	MG/KG	<0.05	2.5	1.9	76	2.0	80	5

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample Result - Duplicate Spike Result)*100/Average Resul

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY/MASS SPECTROSCOPY - QUALITY CONTROL

BLANK SPIKE

Test : EPA 8240 (GC/MS FOR VOLATILE ORGANICS)
Blank Spike #: 26095
Client : CONVERSE ENVIRONMENTAL WEST
Project # : 92-82-161-01
Project Name : DRISCOL

ATI I.D. : 206265
Date Extracted: 22-JUN-92
Date Analyzed : 23-JUN-92
Sample Matrix : SOIL

Parameters	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
1,1-DICHLOROETHENE	MG/KG	<0.05	1.9	2.5	76
BENZENE	MG/KG	<0.05	2.9	2.5	116
TRICHLOROETHENE	MG/KG	<0.05	2.7	2.5	108
TOLUENE	MG/KG	<0.1	2.9	2.5	116
CHLOROBENZENE	MG/KG	<0.05	2.7	2.5	108

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample - Blank Result)*100/Average Result

AnalyticalTechnologies,Inc. 5550 MOREHOUSE DRIVE SAN DIEGO, CA 92121-1709 (619) 458-9141

Chain of Custody

DATE 6/16/92 PAGE 1 OF 2

PROJECT MANAGER: Lyne Perry
COMPANY: Converse Environmental West
ADDRESS: 9471 Ridgehaven Court Suite C
San Diego, CA 92123

BILL TO: Same as above
COMPANY: ''
ADDRESS: ''

Barbara Gselbrink (619) 268-3360
SAMPLERS: (Signature) PHONE NUMBER

Recommended Quantity and Preservative (Provide triple volume on QC Samples)

SAMPLE ID	SAMPLE DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons 418.1 (1L (H_2SO_4)/100g)	Oil and Grease 413.2 (1L (H_2SO_4)/100g)	Gasoline (MOD 8015/DOHS) (4 oz (HCl)/50g)	Diesel (MOD 8015/DOHS) (4 oz (HCl)/50g)	Gasoline/BTXE (MOD 8015/8020) Maximum Contamination Level of Gasoline: 2ppm (water), 50ppm (Soil) (2X40ml (HCl)/50g)	MOD 8015 (Unknown) (4 oz (HCl)/50g)	BTXE (8020) (2X40ml (HCl)/50g)	Chlorinated Hydrocarbons (8010) (2X40ml (HCl)/50g)	Aromatic Hydrocarbons (8020) (2X40ml (HCl)/50g)	Chlorinated/Aromatic Hydrocarbons (8010/8020) (2X40ml (HCl)/50g)	Organic Pb (500ml/50g)		Pesticides/PCB (8080) (1L/50g)	Base/NEU/Acid Cmpds GC/MS (8270) (1L/100g)	Volatile Cmpds GC/MS (8240) (2X40ml (HCl)/100g)	Polynuclear Aromatic (8310) (1L/100g)	CCR Metals (500ml/100g)	Priority Pollutant Metals (500ml/100g)							Hold		Number of Containers
B-1/2.5	6/16	1:40	SOIL	01						X																					1
B-1/5.0	6/16	1:45		15																									X		1
B-1/6.3	6/16	1:50		02						X																					1
B-2/2.5	6/16	1:58		03						X																					1
B-2/5.0	6/16	2:00		16																									X		1
B-2/6.0	6/16	2:03		04						X																					1
B-3/2.5	6/16	5:35		05						X																					1
B-3/5.8	6/16	5:45		17																									X		1
B-3/6.5	6/16	5:50		06						X																					1

PROJECT INFORMATION	SAMPLE RECEIPT	
PROJECT NUMBER: 92-82-161-01	TOTAL NUMBER OF CONTAINERS	9
PROJECT NAME: Driscol	CHAIN OF CUSTODY SEALS Y/N/NA	N
PURCHASE ORDER NUMBER:	SEALS INTACT? Y/N/NA	N/A
VIA:	RECEIVED GOOD COND./COLD	Y
TAT: ☐24HR ☐48HRS ☐72HRS ☐1WK ☒2WK	LAB NUMBER 206265	

SAMPLE DISPOSAL INSTRUCTIONS

☒ ATI Disposal @ $5.00 each ☐ Return ☐ Pickup

Comments: Analyze sample ~~from~~ with highest TPH from B-1 for TRH. Analyze sample ~~from~~ with highest TPH from B-2 for TRH. Analyze sample with Highest TPH from B-1 or B-2 for 8240 and 7241

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Barbara Gselbrink Time: 9:54am	Signature: Time:	Signature: Time:
Printed Name: Barbara Gselbrink Date: 6/17/92	Printed Name: Date:	Printed Name: Date:
Company: CEW	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Ramon Martinez Time: 2:25	Signature: Time:	Signature: Time:
Printed Name: Ramon Madrizez Date: 6-1	Printed Name: Date:	Printed Name: Date:
Company: ATI	Company:	Company: Analytical Technologies, Inc.

DISTRIBUTION: White, Canary - ANALYTICAL TECHNOLOGIES, INC. • Pink - ORIGINATOR

AnalyticalTechnologies,Inc. 5550 MOREHOUSE DRIVE SAN DIEGO, CA 92121-1709 (619) 458-9141

Chain of Custody

DATE 6/16/92 PAGE 2 OF 2

PROJECT MANAGER: Lynn Perry
COMPANY: Converse Environmental West
ADDRESS: 9171 Ridgehaven Court, Suite C
San Diego, CA 92123

BILL TO: Same as above
COMPANY: "
ADDRESS: "

Barbara Gostevink (619) 268-3360
SAMPLERS: (Signature) PHONE NUMBER

Recommended Quantity and Preservative (Provide triple volume on QC Samples)

SAMPLE ID	SAMPLE DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1) 1L (H_2SO_4)/100g	Oil and Grease 413.2 1L (H_2SO_4)/100g	Gasoline (MOD 8015/DOHS) 4 oz (HCl)/50g	Diesel (MOD 8015/DOHS) 4 oz (HCl)/50g	Gasoline/BTXE (MOD 8015/8020) Maximum Contamination Level of Gasoline: 2ppm (water), 50ppm (Soil) 2X40ml (HCl)/50g	MOD 8015 (Unknown) 4 oz (HCl)/50g	BTXE (8020) 2X40ml (HCl)/50g	Chlorinated Hydrocarbons (8010) 2X40ml (HCl)/50g	Aromatic Hydrocarbons (8020) 2X40ml (HCl)/50g	Chlorinated/Aromatic Hydrocarbons (8010/8020) 2X40ml (HCl)/50g	Organic Pb 500ml/50g	Pesticides/PCB (8080) 1L/50g	Base/NEU/Acid Cmpds GC/MS (8270) 1L/100g	Volatile Cmpds GC/MS (8240) 2X40ml (HCl)/100g	Polynuclear Aromatic (8310) 1L/100g	CCR Metals 500ml/100g	Priority Pollutant Metals 500ml/100g	Number of Containers
B-4/2.5	6/16	3:00	SOIL	07						X												1
B-4/5.0	6/16	3:05	↓	08						X												1
B-5/2.5	6/16	3:15		09						X												1
B-5/5.0	6/16	3:20		10						X												1
B-6/2.5	6/16	4:30		11						X												1
B-6/5.0	6/16	4:35		12						X												1
B-7/2.5	6/16	5:00		13						X												1
B-7/5.0	6/16	5:10		14						X												1

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJECT NUMBER:	92-82-161-01	TOTAL NUMBER OF CONTAINERS	8
PROJECT NAME:	Driscol	CHAIN OF CUSTODY SEALS Y/N/NA	N
PURCHASE ORDER NUMBER:		SEALS INTACT? Y/N/NA	N/A
VIA:		RECEIVED GOOD COND./COLD	Y
TAT: ☐24HR ☐48HRS ☐72HRS ☐1WK ☒2WK		LAB NUMBER	206265

SAMPLE DISPOSAL INSTRUCTIONS

☒ ATI Disposal @ $5.00 each ☐ Return ☐ Pickup

Comments: Analyze sample with highest TPH from B-3 through B-7 for TRH and 8240. If all samples are ND, please call.

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Barbara Gostevink Time: 9:54am	Signature: Time:	Signature: Time:
Printed Name: Barbara Gostevink Date: 6/17/92	Printed Name: Date:	Printed Name: Date:
Company: CEW	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Ramon Martinez Time: 2:25	Signature: Time:	Signature: Time:
Printed Name: Ramon Martinez Date: 6-17	Printed Name: Date:	Printed Name: Date:
Company: ATI	Company:	Analytical Technologies, Inc.

DISTRIBUTION: White, Canary - ANALYTICAL TECHNOLOGIES, INC. • Pink - ORIGINATOR

ACCESSION #: 206265 INITIALS: DH

	SAMPLE CONDITION UPON RECEIPT CHECKLIST (FOR RE-ACCESSIONS, COMPLETE #7 THRU #9)		
1	Does this project require special handling according to NEESA Levels C, D, AFOEHL or CLP protocols? If yes, complete a) thru c) a) Cooler temperature ____ b) pH sample aliquoted: yes / no / n/a c) LOT #'s: ____	YES	NO
2	Are custody seals present on cooler?	YES	NO
	If yes, are seals intact?	YES	NO
3	Are custody seals present on sample containers?	YES	NO
	If yes, are seals intact?	YES	NO
4	Is there a Chain-Of-Custody (COC)*?	YES	NO
5	Is the COC* complete? Relinquished: yes/no Requested analysis: yes/no	YES	NO
6	Is the COC* in agreement with the samples received? # Samples: yes/no Sample ID's: yes/no Matrix: yes/no # containers: yes/no	YES	NO
7	Are the samples preserved correctly?	YES	NO
8	Is there enough sample for all the requested analyses?	YES	NO
9	Are all samples within holding times for the requested analyses?	YES	NO
10	Were the samples received cold?	YES	NO
11	Were all sample containers received intact? (ie. not broken, leaking, etc.)	YES	NO
12	Are samples requiring no headspace, headspace free? N/A	YES	NO

Describe "no" items: ____

Was client contacted? yes / no

If yes, Date: 6/18 Name of Person contacted: Lyne Perry

Describe actions taken or client instructions: Org lead on soils (7421) LG

*Or other representative documents, letters, and/or shipping memos

Quality Assurance Laboratory
6605 NANCY RIDGE DRIVE
SAN DIEGO, CALIFORNIA 92121
(619) 552-3636

CONVERSE ENVIRONMENTAL WEST
ATTN: LYNE PERRY
9471 RIDGEHAVEN COURT, STE. C
SAN DIEGO, CA 92123

DATE OF REPORT	JULY 22, 1992
DATE RECEIVED	JULY 13, 1992
SAMPLING DATE	JULY 10, 1992
DATE OF FINAL REVIEW	JULY 21, 1992
ANALYZED BY	EA
SAMPLE TYPE	3 MUD
PROJECT NAME	FISHERMANS VILLAGE
PROJECT NUMBER	92-82-161-01

ANALYSES RESULTS

ANALYSIS	PREP/ANALYSIS METHOD	UNITS	LOG NUMBER: SAMPLE ID:	11962-92G PIER 5	11963-92G PIER 6	11964-92G PIER 7
TRIBUTYLTIN	GCFPD	UG/KG		17.0	15.0	12.0
DIBUTYLTIN	GCFPD	UG/KG		50.0	45.0	32.0
MONOBUTYLTIN	GCFPD	UG/KG		3.0	3.0	1.4

PETER SHEN
LABORATORY DIRECTOR

PS/jb

QUALITY ASSURANCE LABORATORY

QUALITY CONTROL DATA REPORT

JULY 21, 1992

CONVERSE ENVIRONMENTAL WEST
LOG #11962-92G THROUGH 11964-92G
DATE EXTRACTED: JULY 14, 1992
DATE ANALYZED: JULY 18, 1992

METHOD GCFPD
TRIBUTYLTIN ANALYSES

LABORATORY CONTROL SAMPLE

CONC. (ppb)	TRIBUTYLTIN %RECOVERY	DIBUTYLTIN %RECOVERY	MONOBUTYLTIN %RECOVERY
16 ppb	102%	99%	98%

SPIKE RECOVERY DATA

LOG #	CONC. (ppb)	TRIBUTYLTIN %RECOVERY	DIBUTYLTIN %RECOVERY	MONOBUTYLTIN %RECOVERY
11963-92G	20 ppb	105%	85%	55%*

DUPLICATE RELATIVE % DIFFERENCE

LOG #	CONC. (ppb)	TRIBUTYLTIN %RECOVERY	DIBUTYLTIN %RECOVERY	MONOBUTYLTIN %RECOVERY
11963-92G	12.5 ppb	0%	4%	0%

* SPIKE RECOVERY OUT OF RANGE DUE TO SAMPLE MATRIX EFFECT.

Yvette Liebesman
YVETTE J. LIEBESMAN
QA/QC SPECIALIST

QUALITY CONTROL TERMINOLOGY

•LCS – LABORATORY CONTROL STANDARD. REPORTED AS % RECOVERY OF AN INDEPENDENT STANDARD CARRIED THROUGH ALL SAMPLE PREPARATION PROCEDURES TO VERIFY METHOD PERFORMANCE. ACCEPTABLE RANGE IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 80%–120% RECOVERY RANGE.
•SPIKE – ENVIRONMENTAL SAMPLE IS MATRIX SPIKED WITH METHOD COMPOUNDS AND % RECOVERY OF CONCENTRATION SPIKED INTO SAMPLE IS CALCULATED. REPORTED AS % RECOVERY. ACCEPTABLE RANGE FOR "NORMAL MATRIX SAMPLE" IS BASED ON HISTORCCAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 75%–125% RECOVERY RANGE.
•SURROGATES – COMPOUNDS REPRESENTATIVE OF A GROUP OF COMPOUNDS. SURROGATES ARE SPIKED INTO ENVIRONMENTAL SAMPLES AND % RECOVERY OF CONCENTRATION SPIKED IS CALCULATED AND REPORTED. ACCEPTABLE RANGE VARIES DEPENDING ON SAMPLE MATRIX AND ANALYSIS METHOD.

2346

Quality Assurance Laboratory
6605 Nancy Ridge Drive
San Diego, CA 92121 (619) 552-3636

CHAIN OF CUSTODY

Date: 7-13-92 Page 1 of 1

CUSTOMER INFORMATION

COMPANY: Converse Environmental
PROJECT MANAGER: Lyne Perry
ADDRESS: 9471 Ridgehaven Ct Ste C
San Diego CA 92123
PHONE: 268-3360

PROJECT INFORMATION

PROJECT NAME/NUMBER: Fishermans Village 92-82-161-01

BILLING INFORMATION

BILL TO: Converse
ADDRESS:
PHONE: PO #:

NUMBER OF CONTAINERS

ANALYSIS REQUEST: TBT

QA LOG #	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	NUMBER OF CONTAINERS	TBT
11962-926	Pier 5	7-10-92		mud	Jar	1	X
11963	Pier 6	7-10-92		mud	Jar	1	X
11964	Pier 7	7-10-92		mud	Jar	1	X

RECEIVED
3-10-8

SAMPLE INTEGRITY

HOLDING TIME
CORRECT CONTAINER Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N

1. RELINQUISHED BY:
SIGNATURE: Lyne Perry
PRINTED NAME: Lyne Perry
COMPANY: Converse
DATE: 7/13/92
TIME: 8:45

1. RECEIVED BY:
SIGNATURE: K Mayer
PRINTED NAME: K MAYER
COMPANY: QAL
DATE: 7/13/92
TIME: 8:48

2. RELINQUISHED BY:
SIGNATURE:
PRINTED NAME:
COMPANY:
DATE:
TIME:

2. RECEIVED BY:
SIGNATURE:
PRINTED NAME:
COMPANY:
DATE:
TIME:

3. RELINQUISHED BY:
SIGNATURE:
PRINTED NAME:
COMPANY:
DATE:
TIME:

3. RECEIVED BY:
SIGNATURE:
PRINTED NAME:
COMPANY:
DATE:
TIME:

SAMPLE RECEIPT
RECEIVED ON ICE YES / NO
TAPE SEAL INTACT YES / NO / NA
PRESERVATIVE YES / NO
PRECAUTIONS:
jar

SPECIAL INSTRUCTIONS

TAT REQUESTED: Norm

— ALL SAMPLES ARE SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE —

AnalyticalTechnologies,Inc. Corporate Offices: 5550 Morehouse Drive San Diego, CA 92121 (619) 458-9141

ATI I.D.: 2071[illegible]

July 21, 1992

CONVERSE ENVIRONMENTAL WEST
9471 RIDGEHAVEN COURT, SUITE C
SAN DIEGO, CA 92123

Project Name: FISHERMAN'S VILLAGE
Project # : 92-82-161-01

Attention: LYNE PERRY

Analytical Technologies, Inc. has received the following sample(s):

Date Received	Quantity	Matrix
July 13, 1992	3	SOIL

The sample(s) were analyzed with EPA methodology or equivalent methods as specified in th enclosed analytical schedule. The symbol for "less than" indicates a value below the reportab detection limit. Please see the attached sheet for the sample cross reference table.

The results of these analyses and the quality control data are enclosed.

Leslie Getman
LESLIE GETMAN
PROJECT MANAGER

M. E. Shegley
for KENNETH WAHL
LABORATORY MANAGER

AnalyticalTechnologies,Inc.

SAMPLE CROSS REFERENCE

Client : CONVERSE ENVIRONMENTAL WEST
Project # : 92-82-161-01
Project Name: FISHERMAN'S VILLAGE

Report Date: July 21, 1992
ATI I.D. : 207152

ATI #	Client Description	Matrix	Date Collected
1	PIER 5	SOIL	10-JUL-92
2	PIER 6	SOIL	10-JUL-92
3	PIER 7	SOIL	10-JUL-92

---TOTALS---

Matrix	# Samples
SOIL	3

ATI STANDARD DISPOSAL PRACTICE

The sample(s) from this project will be disposed of in twenty-one (21) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

AnalyticalTechnologies,Inc.

ANALYTICAL SCHEDULE

Page

Client : CONVERSE ENVIRONMENTAL WEST
Project # : 92-82-161-01
Project Name: FISHERMAN'S VILLAGE

ATI I.D.: 20715

Analysis	Technique/Description
EPA 6010 (ANTIMONY)	INDUCTIVELY COUPLED ARGON PLASMA
EPA 6010 (BERYLLIUM)	INDUCTIVELY COUPLED ARGON PLASMA
EPA 6010 (CHROMIUM)	INDUCTIVELY COUPLED ARGON PLASMA
EPA 6010 (COPPER)	INDUCTIVELY COUPLED ARGON PLASMA
EPA 6010 (LEAD)	INDUCTIVELY COUPLED ARGON PLASMA
EPA 6010 (NICKEL)	INDUCTIVELY COUPLED ARGON PLASMA
EPA 6010 (SILVER)	INDUCTIVELY COUPLED ARGON PLASMA
EPA 6010 (ZINC)	INDUCTIVELY COUPLED ARGON PLASMA
EPA 7060 (ARSENIC)	ATOMIC ABSORPTION/GRAPHITE FURNACE
EPA 7131 (CADMIUM)	ATOMIC ABSORPTION/GRAPHITE FURNACE
EPA 7471 (MERCURY)	ATOMIC ABSORPTION/COLD VAPOR
EPA 7740 (SELENIUM)	ATOMIC ABSORPTION/GRAPHITE FURNACE
EPA 7841 (THALLIUM)	ATOMIC ABSORPTION/GRAPHITE FURNACE

AnalyticalTechnologies,Inc.

METALS RESULTS

Page

Client : CONVERSE ENVIRONMENTAL WEST
Project # : 92-82-161-01
Project Name: FISHERMAN'S VILLAGE

ATI I.D.: 20715

Sample #	Client ID	Matrix	Date Sampled	Date Received
1	PIER 5	SOIL	10-JUL-92	13-JUL-9
2	PIER 6	SOIL	10-JUL-92	13-JUL-9
3	PIER 7	SOIL	10-JUL-92	13-JUL-9

Parameter	Units	1	2	3
SILVER	MG/KG	<1.0	<1.0	<1.0
ARSENIC	MG/KG	6.7	4.9	5.0
BERYLLIUM	MG/KG	<0.5	<0.5	<0.5
CADMIUM	MG/KG	<0.5	<0.5	<0.5
CHROMIUM	MG/KG	42.3	27.5	25.0
COPPER	MG/KG	262	156	146
MERCURY	MG/KG	2.90	1.88	1.65
NICKEL	MG/KG	7.1	4.9	4.7
LEAD	MG/KG	62.6	40.7	43.1
ANTIMONY	MG/KG	<3.0	<3.0	<3.0
SELENIUM	MG/KG	<1.0	<1.0	<1.0
THALLIUM	MG/KG	<1.0	<1.0	<1.0
ZINC	MG/KG	253	172	172

AnalyticalTechnologies,Inc.

METALS - QUALITY CONTROL

DUP/MS

Page

Client : CONVERSE ENVIRONMENTAL WEST
Project # : 92-82-161-01
Project Name: FISHERMAN'S VILLAGE

ATI I.D. : 20715

Parameters	REF I.D.	Units	Sample Result	Dup Result	RPD	Spiked Sample	Spike Conc	% Rec
ANTIMONY	207152-03	MG/KG	<3.0	<3.0	0	17.0	48.5	35
ARSENIC	207152-03	MG/KG	5.0	4.1	20	49.2	48.3	92
BERYLLIUM	207152-03	MG/KG	<0.5	<0.5	0	49.0	48.5	101
CADMIUM	207152-03	MG/KG	<0.5	<0.5	0	43.4	48.3	90
CHROMIUM	207152-03	MG/KG	25.0	24.8	1	72.6	48.5	98
COPPER	207152-03	MG/KG	146	143	2	188	48.5	87
LEAD	207152-03	MG/KG	43.1	38.2	12	85.9	48.5	88
MERCURY	207161-06	MG/KG	<0.25	<0.25	0	0.57	0.49	116
NICKEL	207152-03	MG/KG	4.7	4.5	4	50.6	48.5	95
SELENIUM	207152-03	MG/KG	<1.0	<1.0	0	27.5	30.0	92
SILVER	207152-03	MG/KG	<1.0	<1.0	0	43.6	48.5	90
THALLIUM	207152-03	MG/KG	<1.0	<1.0	0	49.3	48.3	102
ZINC	207152-03	MG/KG	172	167	3	214	48.3	87

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

AnalyticalTechnologies,Inc.

METALS - QUALITY CONTROL

BLANK SPIKE

Client : CONVERSE ENVIRONMENTAL WEST
Project # : 92-82-161-01
Project Name: FISHERMAN'S VILLAGE

ATI I.D. : 20715.

Parameters	Blank Spike ID#	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
ANTIMONY	26775	MG/KG	<3.0	47.5	50.0	95
ARSENIC	26749	MG/KG	<1.0	46.9	50.0	94
BERYLLIUM	26775	MG/KG	<0.5	50.7	50.0	101
CADMIUM	26751	MG/KG	<0.5	49.6	50.0	99
CHROMIUM	26775	MG/KG	<0.5	49.2	50.0	98
COPPER	26775	MG/KG	<1.0	48.6	50.0	97
LEAD	26775	MG/KG	<1.5	48.9	50.0	98
MERCURY	26708	MG/KG	<0.25	0.47	0.50	94
NICKEL	26775	MG/KG	<1.0	49.5	50.0	99
SELENIUM	26773	MG/KG	<1.0	26.9	30.0	90
SILVER	26775	MG/KG	<1.0	45.8	50.0	92
THALLIUM	26774	MG/KG	<1.0	42.7	50.0	85
ZINC	26792	MG/KG	<1.0	49.1	50.0	98

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

AnalyticalTechnologies,Inc.

5550 MOREHOUSE DRIVE
SAN DIEGO, CA 92121-1709
(619) 458-9141

Chain of Custody

DATE 7-10-92 PAGE 1 OF 1

PROJECT MANAGER: Lyne Perry
COMPANY: Converse Environmental West
ADDRESS: 9471 Ridgehaven Court, suite C
San Diego CA 92123

BILL TO: Converse
COMPANY:
ADDRESS:

SAMPLERS: (Signature) Lyne Perry   PHONE NUMBER (619) 268-3360

SAMPLE ID	SAMPLE DATE	TIME	MATRIX	LAB ID
Pier 5	7-10-92		MOD	01
Pier 6	↓		↓	02
Pier 7	↓		↓	03

Recommended Quantity and Preservative (Provide triple volume on QC Samples)

Analysis	Quantity/Preservative	Pier 5	Pier 6	Pier 7
Petroleum Hydrocarbons 418.1	1L (H_2SO_4)/100g			
Oil and Grease 413.2	1L (H_2SO_4)/100g			
Gasoline (MOD 8015/DOHS)	4 oz (HCl)/50g			
Diesel (MOD 8015/DOHS)	4 oz (HCl)/50g			
Gasoline/BTXE (MOD 8015/8020) Maximum Contamination Level of Gasoline: 2ppm (water), 50ppm (Soil)	2X40ml (HCl)/50g			
MOD 8015 (Unknown)	4 oz (HCl)/50g			
BTXE (8020)	2X40ml (HCl)/50g			
Chlorinated Hydrocarbons (8010)	2X40ml (HCl)/50g			
Aromatic Hydrocarbons (8020)	2X40ml (HCl)/50g			
Chlorinated/Aromatic Hydrocarbons (8010/8020)	2X40ml (HCl)/50g			
Organic Pb	500ml/50g			
Pesticides/PCB (8080)	1L/50g			
Base/NEU/Acid Cmpds GC/MS (8270)	1L/100g			
Volatile Cmpds GC/MS (8240)	2X40ml (HCl)/100g			
Polynuclear Aromatic (8310)	1L/100g			
CCR Metals	500ml/100g			
Priority Pollutant Metals	500ml/100g	X	X	X
Number of Containers		1	1	1

PROJECT INFORMATION	
PROJECT NUMBER:	92-82-161-01
PROJECT NAME:	Fisherman's Village
PURCHASE ORDER NUMBER:	
VIA:	
TAT: ☐24HR ☐48HRS ☐72HRS ☐1WK ☒2WK	

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	3
CHAIN OF CUSTODY SEALS Y/N/NA	N
SEALS INTACT? Y/N/NA	N/A
RECEIVED GOOD COND./COLD	Y
LAB NUMBER	207152

SAMPLE DISPOSAL INSTRUCTIONS

☒ ATI Disposal @ $5.00 each   ☐ Return   ☐ Pickup

Comments:

	1.	2.	3.
RELINQUISHED BY: Signature / Time	Lyne Perry 2:30	[illegible]	Signature: Time:
Printed Name / Date	Lyne Perry 7-13-92	PATTON 7-13	Printed Name: Date:
Company	Converse	Pesco	Company:
RECEIVED BY: Signature / Time	[illegible] 3:?	[illegible] 1812	RECEIVED BY: (LAB) Signature: Time:
Printed Name / Date	PATTON 7-13	DAVID HUGHES 7-13-92	Printed Name: Date:
Company	PESCO	ATI	Analytical Technologies, Inc.

ACCESSION #: 20711-2 INITIALS: J.H.

SAMPLE CONDITION UPON RECEIPT CHECKLIST
(FOR RE-ACCESSIONS, COMPLETE #7 THRU #9)

1	Does this project require special handling according to NEESA Levels C, D, AFOEHL or CLP protocols? If yes, complete a) thru c) a) Cooler temperature ____ b) pH sample aliquoted: yes / no / n/a c) LOT #'s: ____	YES	NO
2	Are custody seals present on cooler?	YES	NO
	If yes, are seals intact?	YES	NO
3	Are custody seals present on sample containers?	YES	NO
	If yes, are seals intact?	YES	NO
4	Is there a Chain-Of-Custody (COC)*?	YES	NO
5	Is the COC* complete? Relinquished: yes/no Requested analysis: yes/no	YES	NO
6	Is the COC* in agreement with the samples received? # Samples: yes/no Sample ID's: yes/no Matrix: yes/no # containers: yes/no	YES	NO
7	Are the samples preserved correctly?	YES	NO
8	Is there enough sample for all the requested analyses?	YES	NO
9	Are all samples within holding times for the requested analyses?	YES	NO
10	Were the samples received cold?	YES	NO
11	Were all sample containers received intact? (ie. not broken, leaking, etc.)	YES	NO
12	Are samples requiring no headspace, headspace free? N/A	YES	NO

Describe "no" items: ____

Was client contacted? yes / no

If yes, Date: ____ Name of Person contacted: ____

Describe actions taken or client instructions: ____

*Or other representative documents, letters, and/or shipping memos

ATIFRM902(4/92)

Jared Blumenfeld
Secretary for
Environmental Protection

Department of Toxic Substances Control

Meredith Williams, Ph.D., Director
2375 Northside Drive, #100
San Diego, California 92108

Gavin Newsom
Governor

June 9, 2022

Jake Lippman
Kleinfelder
JLippman@kleinfelder.com

Public Records Request Number: PR6-060722-02
Location(s): 4900-4930 North Harbor Drive, San Diego, California

Dear Requestor:

On June 7, 2022, the Department of Toxic Substances Control (DTSC) received your email of June 7, 2022, requesting records under the Public Records Act. After a thorough review of our files, no site records were found at the San Diego office pertaining to the sites/facilities reference above.

A large number of our records are available on EnviroStor, an online database that provides non-confidential, public access to DTSCs data management system. It tracks our cleanup, permitting, enforcement, and investigation efforts at hazardous waste facilities and sites with known or suspected contamination issues. EnviroStor is available 24/7, 365 days a year. The data reflects the latest updates as they are entered in the system. Access it from your computer or smartphone, the local library – anywhere Internet access is available. Just go to www.envirostor.dtsc.ca.gov. You'll find a step-by-step tour of EnviroStor under the "How to Use EnviroStor" menu on the website.

If you have any questions or would like further information regarding your request, please contact me at (619) 516-1982 or via email at sandiegofileroom@dtsc.ca.gov.

Sincerely,

Beatriz Davila

Beatriz Davila
Regional Records Coordinator

DAL

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377
1-800-253-9933

RICHARD HAAS
ASSISTANT DIRECTOR

July 6, 2000

Mr. William Hays
San Diego Unified Port District
P.O. Box 120488
San Diego, CA 92112

Mr. Tom Driscoll
Driscoll, Inc.
2500 Shelter Island Dr.
San Diego, CA 92106

Mr. David Lloyd
Bay City Marine
1313 W. 24th Street
National City, CA 91950

Dear Mr. Hays, Mr. Driscoll, and Mr. Lloyd:

UNDERGROUND STORAGE TANK (UST) CASE #H16749-001
FORMER BAY CITY MARINE
4960 N. HARBOR DRIVE, SAN DIEGO, CA

This letter confirms the completion of a site investigation and corrective action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tanks is greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tanks site is in compliance with the requirements of subdivisions (a) and (b) of Section 25299.37 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.77 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25299.37 of the Health and Safety Code. Please contact Donn Li Pera (619) 338-2244 if you have questions regarding this matter.

Sincerely,

Chris Gonaver

CHRIS GONAVER, Chief
Land and Water Quality Division

CG:DAL:kf

Enclosure

cc: Regional Water Quality Control Board
Allen Patton, SWRCB, UST Cleanup Fund Program
Barry Pulver, Southern California Soil & Testing, Inc.

Case Closure Summary
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

DATE: 6/28/2000

Agency Name: County of San Diego, Environmental Health, SAM	Address: P.O. Box 129261
City/State/ZIP: San Diego, CA 92112-9261	Phone: (619) 338-2222 FAX: (619) 338-2377
Responsible Staff Person: Donn Li Pera	Title: Project Manager

II. CASE INFORMATION

Site Facility Name: Former Bay City Marine		
Site Facility Address: 4960 N. Harbor Drive, San Diego, CA		
RB LUSTIS Case No: N/A	Local Case No: H16749-001	LOP Case No: N/A
URF Filing Date: 12/15/93	SWEEPS No: N/A	
Responsible Parties:	Address:	Phone Number:
William Hays San Diego Unified Port District	P.O. Box 120488, San Diego, CA 92112	(619) 686-6584
Tom Driscoll Driscoll, Inc.	2500 Shelter Island Dr., San Diego, CA 92106	
David Lloyd Bay City Marine	1313 W. 24th Street, National City, CA 91950	

Tank No.	Size in Gal.	Contents	Closed in Place/Removed	Date
1		Diesel	Removed	3/22/94
2	10,000	Diesel	Removed	3/22/94
3	10,000	Gasoline	Removed	3/24/94
4	10,000	Gasoline	Removed	3/24/94
5	10,000	Gasoline	Removed	3/24/94
6	8,000	Gasoline	Removed	3/22/94
7	8,000	Gasoline	Removed	3/22/94
8	8,000	Gasoline	Removed	3/22/94

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Gas and Diesel from tanks and piping

Site Characterization complete? Yes	Date Approved By Oversight Agency: 4/5/99	
Monitoring Wells Installed? Yes	Number: 6	Proper Screened Interval? Yes
Highest GW Depth Below Ground Surface: 2.82 feet	Lowest Depth: 6.69 feet	Flow Direction: South (to bay)

Most Sensitive Current Use:

Groundwater: No designated or potential beneficial uses.

Surface Water: Designated or potential beneficial uses include Rec 1, Rec 2, Warm Freshwater Habitat, and Wildlife Habitat

Are Drinking Water Wells Affected? No	Aquifer Name: Point Loma 908.10
Is Surface Water Affected? No	Nearest SW name: San Diego Bay

Off-Site Beneficial Use Impacts (addresses/locations): None

Report(s) on file? Yes	Where is Report(s) Filed? County of San Diego, Environmental Health

Case Closure Summary

Leaking Underground Fuel Storage Tank Program

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued) H16749-001

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank(s)	8 Tanks	Cleaned onsite (Disposal location unknown)	3/22-24/94
Piping	All	Drained and landfilled	3/22-24/94
Free Product	Unknown	Removed by vacuum truck and taken to DeMenno-Kerdoon	1995 to 1998
Soil	500 cubic yards	Hauled to TPS in Adelanto	4/94
	2000 cubic yards	Taken to Sonas Soil Resource Recovery of Arizona	2/97
	15,000 cubic yards	Nonhazardous soil taken to Soil Wash Technologies in San Diego. Soil transported as hazardous taken to Sonas Soil Resource Recovery of Arizona, Inc.	511/99 to 6/29/99
Groundwater	2,158,800 gallons	Discharged to sewer under permit	5/99 to 6/99

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS - - BEFORE AND AFTER CLEANUP

Contaminant	Soil (ppm)		Water (ppm)		Contaminant	Soil (ppm)		Water (ppm)	
	Before	After	Before	After		Before	After	Before	After
TPH (Gas)	43,828	13,000	Free Product	1.5	MTBE	N/A	N.D. <0.005	16.9	.170
TPH (Diesel)	4,387	180	5.155	N.D. <.050	Ethylbenzene	545	500	1.280	.0019
Benzene	378.7	48	11.6	.0017	Oil & Grease	N/A	N/A	N/A	N/A
Toluene	1,408.8	500	2.940	.0012	Xylene	2754.1	2,400	6.330	.0079
PNA's (Total)	N/A	N/A	.03552	.03552					

Comments:

The release consisted primarily of gasoline with some diesel fuel and created free product on groundwater that seeped into San Diego Bay through the rip-rap along the water. Several remedial actions conducted included: Removal of 500 cubic yards of soil at time of tank removal; installation of free product recovery trenches; removal of rip-rap and 2000 cubic yards of fuel-contaminated soil; installation of a high density polyethylene barrier wall to prevent further impacts to the bay; and removal of the HDPE barrier wall and 15,000 cubic yards of fuel-contaminated soil as the final remedial action.

The consultant estimates that two residual pockets of soil affected with fuels remains: 400 cubic yards along the northeast corner of the property, and 92 cubic yards along the northwest corner. The residual contaminated soil represents only 3% of the original volume of affected soil, 97% has been removed and properly disposed or treated offsite.

Six groundwater monitor wells were placed around and within the remedial excavation. Free product has not appeared during the three monitoring and sampling events conducted from July 1999 to January 2000. Sampling results show very low concentrations of dissolved fuel compounds.

The remaining soil and groundwater contamination does not appear to pose a risk to public health, the environment, or the Bay based on the current and proposed site use.

Case Closure Summary
Leaking Underground Fuel Storage Tank Program

IV. CLOSURE

H16749-001

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan?	Yes
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan?	Yes
Does corrective action protect public health for current land use? Yes Case oversight completed based upon the current/future site use as commercial, such as a hotel.	
Site Management Requirements: Any contaminated soil excavated as part of subsurface construction work must be managed in accordance with the legal requirements at that time.	
Should corrective action be reviewed if land use changes? Yes	
Monitoring Wells Decommissioned: No | Number Decommissioned: 0 | Number Retained: 6*	
List Enforcement Actions Taken: Notice of Corrective Action and Reimbursement Responsibility	
List Enforcement Actions Rescinded: None	

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Kevin Heaton	Title: Senior Hydrogeologist Land and Water Quality Division
Signature: K.M. H	Date: 6/28/2000

VI. RWQCB NOTIFICATION

Date Submitted to RB: N/A Non-Beneficial groundwater	RB Response:	
RWQCB Staff Name:	Title:	Date:

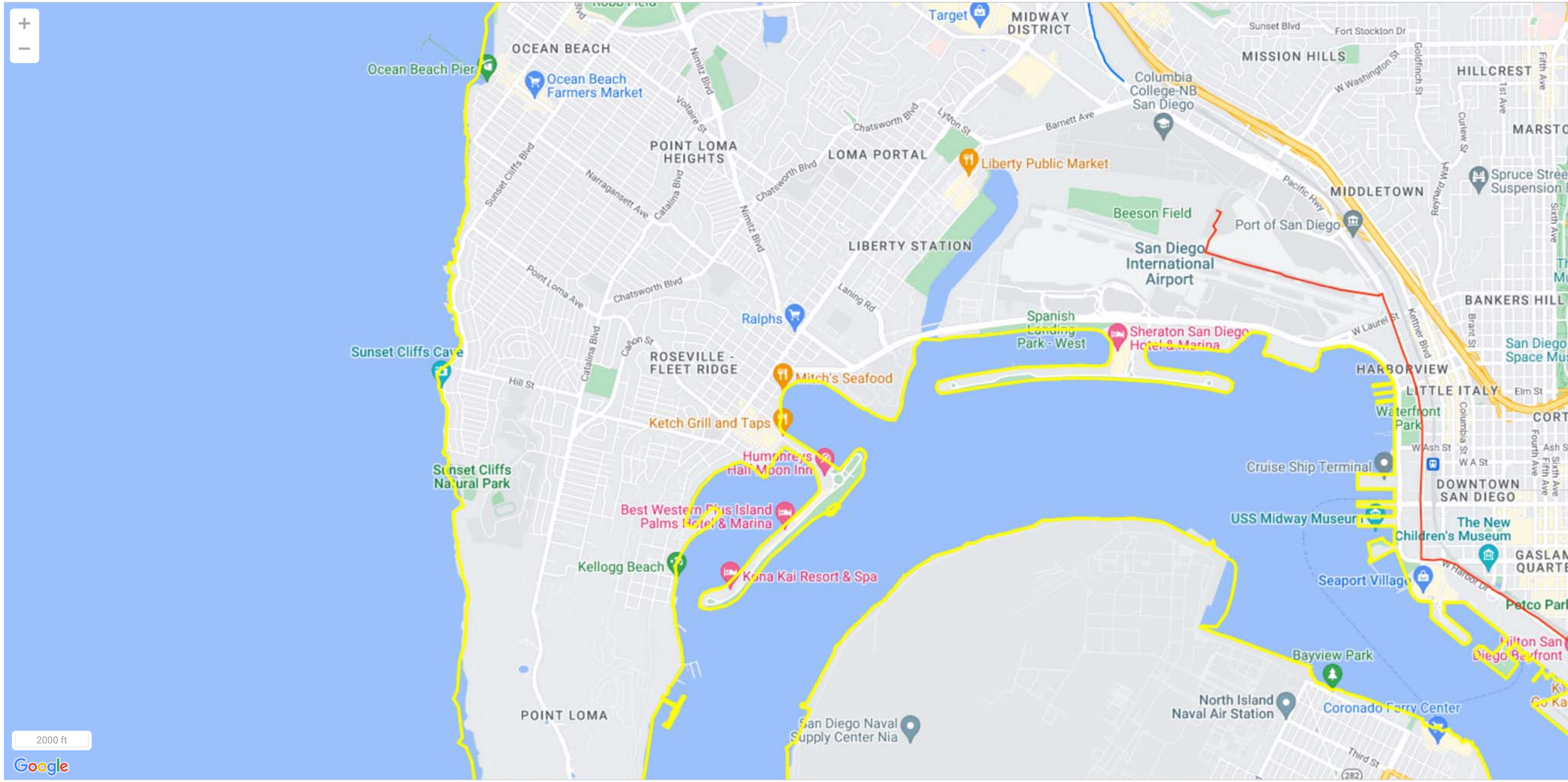
VII. ADDITIONAL COMMENTS, DATA, ETC.

*Well destruction permit application submitted.

This document and the related CASE CLOSURE LETTER, shall be retained by the lead agency as part of the official site file.

Change County Close Public Viewer

Map Layers | Query Tools | Enter search term (min 4 chars) | Help



Map Layers

- Accidents (Liquid)
- Incidents (Gas)
- Gas Transmission Pipelines
- Hazardous Liquid Pipelines
- LNG Plants
- Breakout Tanks
- Other Populated Areas (scale dependent)
- Highly Populated Areas (scale dependent)
- Commercially Navigable Waterways
  - CNW Inland
  - CNW Ocean/Great Lakes
  - Great Lakes
- Tribal Government Lands
- State Boundaries
  - Show Labels
- County Boundaries
  - Show Labels
- GOM Block Groups
  - Show Labels
- GOM Blocks
  - Show Labels
- Map
- Satellite

Failed | Zoom Level: 14 of 19 (1:24,000) Closest Zoom for Pipelines | (lat,long): 32.727782, -117.201240 | Map Showing Pipelines in: San Diego, CA

PERMIT # W92940

A.P.N. # 760-000-00

EST # H10516

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES

HAZARDOUS MATERIALS MANAGEMENT DIVISION

MONITORING WELL AND BORING CONSTRUCTION AND DESTRUCTION PERMIT

SITE NAME: FISHERMAN'S VILLAGE

SITE ADDRESS: 4918 N. HARBOR DR, SAN DIEGO, CA 92101

PERMIT FOR: 1 BORING

PERMIT APPROVAL DATE: 08/03/92

PERMIT EXPIRES ON: 11/30/92

PERMIT CONDITIONS:

1. All borings must be destroyed in accordance with Department of Water Resources Bulletin 74-81 and 74-90.

2. All wash water must be contained and disposed of properly.

3. Submit complete laboratory data for both soil and groundwater with the well logs.

4. Submit all the information specified in the SA/M Manual in:

   Section 1, C., 4., c).

5. All water and soil that is placed in drums must be labeled and stored as specified in the SA/M Manual in:

   Section 1, C., 5.

6. This office must be given 48 hour notice of any drilling activity on this site.

7. This office must be given advanced notification of drilling cancellation.

APPROVED BY: [signature] DATE: 8/3/92

Notified: 8/3/92 KMA

PERMIT APPLICATION FOR GROUND WATER AND VADOSE MONITORING WELLS

760-000-00

~~ASSESSORS PARCEL NO.~~ UNIFIED PORT DISTRICT PARCEL	PROPOSED DRILLING DATE	NO. OF WELLS TO BE CONSTRUCTED
~~27140 — B # 1~~	~~7/31/92~~	NONE (1 boring)

SITE NAME
FISHERMAN'S VILLAGE

SITE ADDRESS STREET	CITY	ZIP
4918 NORTH HARBOR DRIVE	SAN DIEGO	92101

PROPERTY OWNER (NAME) / PHONE NO.
COMMERCIAL CENTER BANK c/o R.A. SNYDER PROP. (619) 297-0274

MAILING ADDRESS STREET	CITY	ZIP
2399 CAMINO DEL RIO SOUTH STE. 102	SAN DIEGO CA	92108

DRILLER (NAME)	LICENSE NO.	PHONE NO.
✓ TRI-COUNTY DRILLING	# 547737	(619) 484-9775

MAILING ADDRESS STREET	CITY	ZIP
9921 CARMEL MOUNTAIN ROAD STE. 265	SAN DIEGO CA	92129

NEW

REGISTERED GEOLOGIST/ENGINEERING GEOLOGIST/CIVIL ENGINEER (RG/CEG/RCE)	REG #	PHONE NO.
Nicholas E. Barnes	CEG 1693	(619) 271-1770

MAILING ADDRESS STREET	CITY	ZIP
8534 COMMERCE AVE STE. B	SAN DIEGO CA	92121

BOND POSTED
[X] YES [ ] NO
Tri County Drilling

TYPE OF WELL
[ ] GROUND WATER [ ] BORING
[ ] VADOSE [X] OTHER HYDROPUNCH

DRILLING METHOD
[X] AUGER [ ] AIR ROTARY [ ] MUD ROTARY
[ ] PERCUSSION [ ] OTHER

07-28-92 011011
08:19 CSHR01 65798
9145 915 429R25 $150.00
CHECK $150.00

MATERIALS TO BE USED

CASING
TYPE N/A
GAUGE N/A
DIAMETER N/A
WELL SCREEN SIZE N/A
FILTER PACK Specify N/A

SEAL
[ ] NEAT CEMENT
[ ] CEMENT & BENTONITE
[X] OTHER BACKFILL w/ Bentonite grout.

PROPOSED CONSTRUCTION
Estimated ground water depth 20

CEMENT SEAL N/A TO N/A
BENTONITE SEAL — TO —
FILTER PACK — TO —
PERFORATION N/A TO N/A

NOTE: For wells with multiple completion attach a well construction diagram

I hereby agree to comply with all regualations of Department of Health Services and with all ordinances and laws of the County of San Diego and the State of California pertaining to well construction and destruction.

Sheryl Peterson 7-23-92
DRILLER SIGNATURE DATE

Within 30 days of well completion, I will furnish the Department of Health Services with a complete and accurate well log. I will certify the design and construction of the well in accordance with the permit application

Nicholas E. Barnes 7-27-92
RG/CEG/RCE SIGNATURE DATE

DISPOSITION OF APPLICATION [X] APPROVED [ ] DENIED

CONDITIONS Refer to attached conditions

HEALTH OFFICER 8/3/92
DATE

OFFICE USE ONLY

NUMBER OF WELLS TO BE CONSTRUCTED 1 X $150.00 = $ 150.00 AMOUNT DUE

ESTABLISHMENT # H10516 4904 N. HARBOR

CHECK NO. 3118 DATE 7/28/92 PROCESSED BY 7/30/92 EOJ

PERMIT # W92940 ✓

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES
DHS HM-9060 (11/91)

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P.O. BOX 85261
SAN DIEGO, CA 92186-5261 (619) 338-2222

Scott Jones

PERMIT APPLICATION SUPPLEMENT
GROUND WATER AND VADOSE MONITORING WELLS

1. Well design, logging and construction must be supervised by a geologist, Engineering Geologist or Civil Engineer who is registered or certified by the State of California.

2. Provide verification of a well Drilling C-57 license

3. Provide a plot plan giving location of existing improvements such as structures, underground tanks, underground utilities, underground piping, and the proposed monitoring and/or observation wells.

4. What is the proposed purpose of the well? N/A HYDROPUNCH TO OBTAIN Ground WATER SAMPLE TO ASSESS FOR HYDROCARBON CONSTITUENTS. ALSO SOIL SAMPLES WILL BE COLLECTED FOR ANALYSIS.

5. What procedures will be used to prevent the well from providing an avenue to contamination during construction?

   UTILIZATION OF HOLLOW STEM AUGER DRILLING EQUIPMENT SEALING THE BOREHOLE WITH BENTONITE GROUT

6. What field procedures will be utilized to determine if contamination exists?

   VISUAL - ALL SAMPLES WILL BE RETAINED AND TRANSPORTED TO THE LABORATORY

7. What procedures will be used to determine whether samples will be sent for laboratory testing or archiving?

   QUALIFIED FIELD GEOLOGISTS IN THE EMPLOY OF A RCE WILL BE PRESENT TO OBTAIN SAMPLES AND ENSURE THEY ARE PROPERLY HANDLED AND DELIVERED TO THE LABORATORY.

8. What constituents will be monitored and tested?

   EPA 418.1 & HEAVY METALS (SOIL)

9. How will samples be transported and preserved? SAMPLES WILL BE PACKAGED IN GLASS JARS WITH TEFLON CAPS OR BRASS TUBES WITH TEFLON LINED CAPS, PLACED IN ICE CHEST w/ ICE & TRANSPORTED ON THE SAME DAY TO LOCAL LAB.

10. What sampling methods will be used?

DRIVE SAMPLES BY 140# HAMMER, 30" DROP w/ 6" LONG 2" DIA. BRASS TUBES (SOIL); HYDROPUNCH w/ S.S. BAILER (GW)

11. Are you proposing a variation from the methods and/or procedures presented in the Requirements for the construction of vadose and Ground Water Monitoring Wells (dated January 1992) If yes, specify these variations?

NO

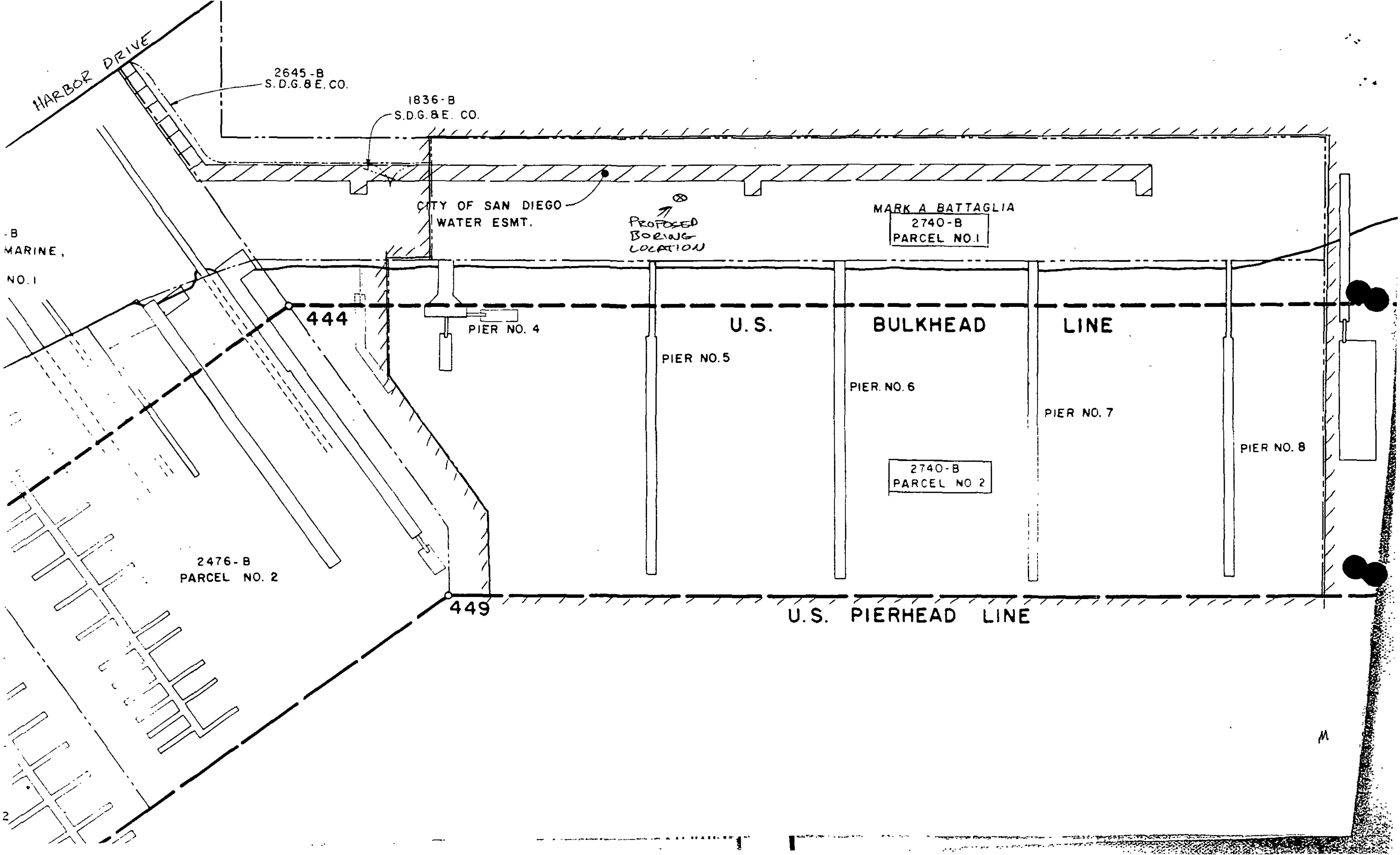
12. What procedures will be used to insure no contamination will be introduced by the drilling equipment?

STEAM CLEANING ALL DRILLING EQUIPMENT AND INSPECTION FOR FLUID LEAKS FROM DRILL RIG.

13. What methods will be used to clean sampling equipment? STEAM CLEANING & TSP, WASH BETWEEN BORINGS; TWO TSP WASHES AND 2 RINSES (DISTILLED WATER) BETWEEN SAMPLES.

14. What cleaning method will be used to clean casing and screen prior to installation?

N/A


HARBOR DRIVE
2645-B
S.D.G.&E.CO.
1836-B
S.D.G.&E. CO.
CITY OF SAN DIEGO
WATER ESMT.
PROPOSED
BORING
LOCATION
MARK A BATTAGLIA
2740-B
PARCEL NO.1
-B
MARINE,
NO.1
444
PIER NO. 4
U.S.
BULKHEAD
LINE
PIER NO.5
PIER. NO.6
PIER NO. 7
PIER NO. 8
2740-B
PARCEL NO 2
2476-B
PARCEL NO. 2
449
U.S. PIERHEAD LINE
M
2

ENGINEERING SCIENCE APPLICATIONS

PROJECT NO. 7508
October 6, 1992

Hydrogeologist, Site Assessment
& Mitigation Program, County of San Diego,
Department of Health Services,
Environmental Health Services (HMMD),
P.O. Box 85261
San Diego, CA 92186-5261

Attention: Mr. Kevin Heaton

SUBJECT: BORING LOGS AND LABORATORY DATA, 4904-4922 NORTH HARBOR DRIVE, SAN DIEGO, CA. PERMIT NO. W92940.

Dear Mr. Heaton:

In accordance with permit requirements for groundwater and vadose monitoring wells, we are hereby submitting copies of our boring logs, plot plans, and laboratory data for the subject site. The address of the property is 4904-4922 North Harbor Drive, San Diego, California. The Assessor Parcel number is 706-004-26. The latitude and longitude of the site is 32° 43'40" and 117° 13'15".

Subsurface explorations E-1 thru E-6 were excavated using a CME 75 Truck Mounted Rotary Auger Drilling Rig equipped with 3¼ inch I.D. Hollow Stem Auger. Exploration Locations 1 thru 6 were advanced to respective depths of 6.5, 6, 6, 6, 8, and 6 feet. Each of the borings were terminated prior to encountering groundwater with the exception of boring No. E-5. Representative soil samples were retrieved by means of a California Split Spoon Sampler driven into the soil mass with impact loads from a 140-lb hammer falling 30 inches.

In addition to soil sampling, a groundwater sample was obtained at boring location E-5 utilizing the hydropunch method. The borehole was advanced to the water table, at which point, the hydropunch was driven below the water table into the saturated zone of soil by means of a 140-lb hammer falling 30 inches.

Upon completion of our subsurface investigation, the test borings were backfilled with a bentonite grout prior to leaving the site. Also, all drill cuttings were stored on site in sealed 55-gallon drums. The drums were appropriately labeled as possibly containing contaminated material. No monitoring wells were installed at the site.

8534 Commerce Ave., Suite B • San Diego, California 92121 • 619-271-1770

PROJECT NO. 7508
October 6, 1992

We have enclosed copies of our boring logs, results of laboratory analyses and a plot plan showing boring locations. Information contained on the boring logs include: date logged and sampled; lithologic description; and static water level.

Should you have questions, or require additional information, please do not hesitate to contact our office. This opportunity to be of service is appreciated.
Respectively submitted,

ENGINEERING SCIENCE APPLICATIONS

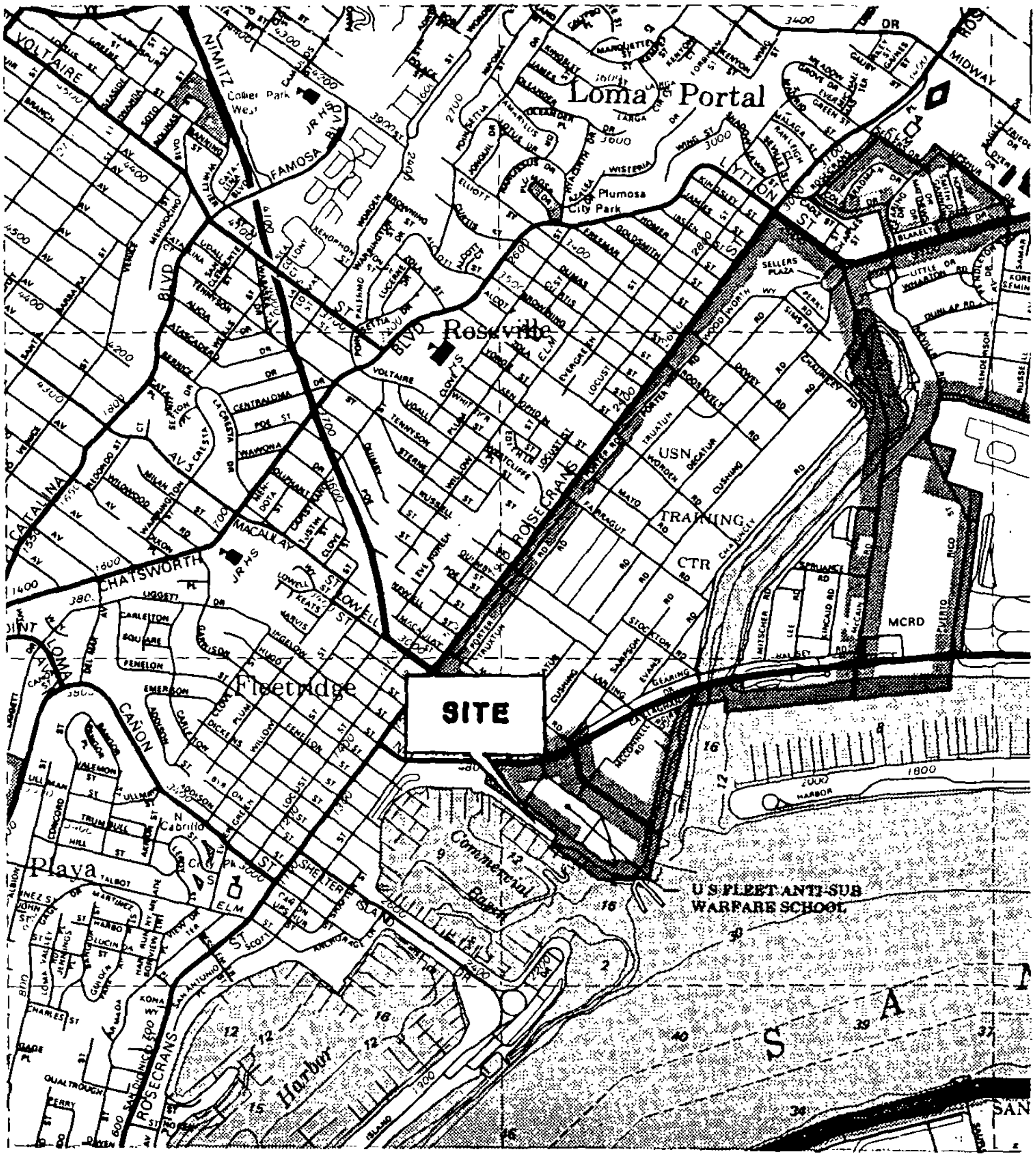
Nicholas E. Barnes

Nicholas E. Barnes
CEG 1693

REGISTERED GEOLOGIST
Nicholas E. Barnes
No. 5363
STATE OF CALIFORNIA

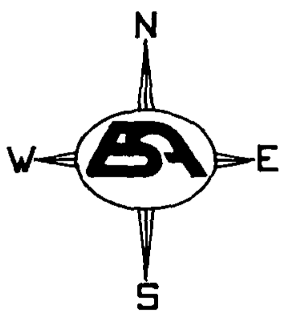
REGISTERED GEOLOGIST
Nicholas E. Barnes
No. 1693
CERTIFIED
ENGINEERING
GEOLOGIST
STATE OF CALIFORNIA

SMJ/sb

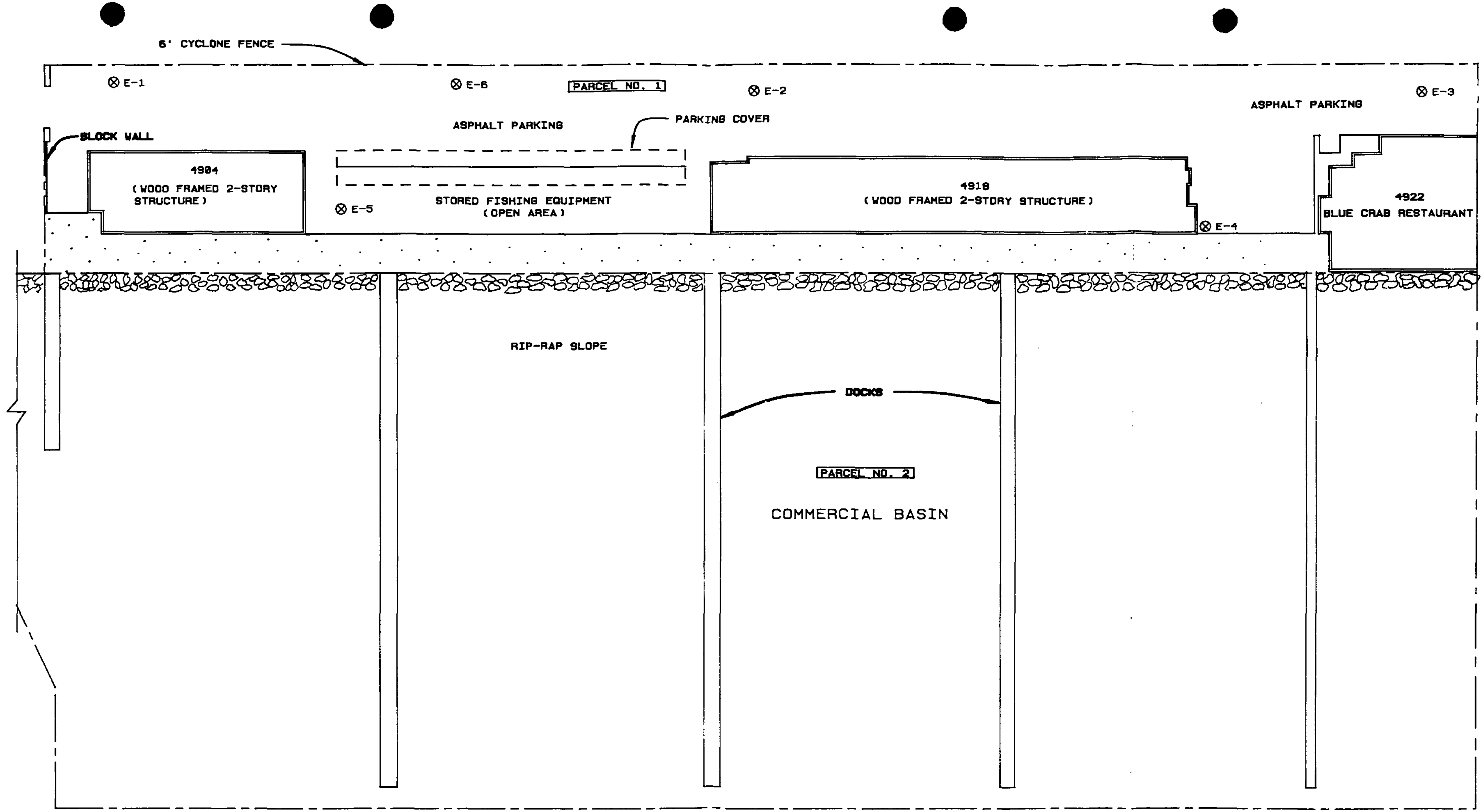


VICINITY MAP

NO SCALE



Job Number: PLATE NO. 1	Date:	ENGINEERING SCIENCE APPLICATIONS	



LEGEND

RIP-RAP

CONCRETE

BORING LOCATION ⊗ E-#

PARCEL BOUNDARY

SITE SKETCH AND BORING LOCATION

SCALE 1" = 60'

N E S W

Job Number: 7588 PLATE NO. 2	Date: 08/31/92 Rev: 0	ENGINEERING SCIENCE APPLICATIONS	FISHERMAN'S VILLAGE 4904-4922 NORTH HARBOR DRIVE SAN DIEGO, CA.

EXCAVATION LOG

LOGGED BY: SMJ	DATE EXCAVATED: 08-04-92	GROUND SURFACE ELEVATION: APPRX. +10 MLLW	NUMBER: E-1
DRILL RIG: CME 75	DIAMETER: 7" TRENCH WIDTH:	HAMMER WT.: 140 lbs. FALL: 30"	

KEY TO SYMBOLS: ☐ ... SAMPLING ATTEMPTED NO RECOVERY; ☒ ... DISTURBED BULK/BAG; STANDARD PENETRATION; SHELBY TUBE; DRIVE SAMPLE (CALIFORNIA-RINGS); WATER TABLE OR SEEPAGE

ELEVATION	DEPTH (FT.)	"N" VALUE STD.PEN.TEST	BLOWS PER (FT.)	SAMPLE LOC.	LITHOLOGY	GROUNDWATER	DESCRIPTION	% PASSING 200 SCREEN	DRY DENSITY (lbs./cu. ft.)	RELATIVE COMPACTION (%)	MOISTURE (% of dry wt.)	DEGREE OF SATURATION (%)
							Asphaltic Pavement					
					sm		FILL: Reddish brown, moist, medium dense, Silty Sand					
8	2											
					sp		Tan, moist, dense, fine to medium grained Sand with appreciable mica					
			17	■								
6	4						(No visible signs of contamination)					
4	6			■								
							Bottom of boring at 6.5'					

NOTE: THE DESCRIPTION OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC EXCAVATION AND AT THE DATE INDICATED. THIS LOG IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

Project: FISHERMAN'S VILLAGE
4904-4922 NORTH HARBOR DRIVE
SAN DIEGO, CA.

Job Number: 7508

Plate Number: A1

ENGINEERING SCIENCE APPLICATIONS
GEOTECHNICAL ENGINEERING • ENVIRONMENTAL CONSULTING

EXCAVATION LOG

LOGGED BY: SMJ	DATE EXCAVATED: 08-04-92	GROUND SURFACE ELEVATION: APPRX. +10 MLLW	NUMBER: E-2
DRILL RIG: CME 75	DIAMETER: 7" TRENCH WIDTH:	HAMMER WT.: 140 lbs. FALL: 30"	

KEY TO SYMBOLS: ☐ ... SAMPLING ATTEMPTED NO RECOVERY ☒ ... DISTURBED BULK/BAG ◪ ... STANDARD PENETRATION ◨ ... SHELBY TUBE ■ ... DRIVE SAMPLE (CALIFORNIA-RINGS) ▼ ... WATER TABLE OR SEEPAGE

ELEVATION	DEPTH (FT.)	"N" VALUE STD.PEN.TEST	BLOWS PER (FT.)	SAMPLE LOC.	LITHOLOGY	GROUNDWATER	DESCRIPTION	% PASSING 200 SCREEN	DRY DENSITY (lbs./cu. ft.)	RELATIVE COMPACTION(%)	MOISTURE (% of dry wt.)	DEGREE OF SATURATION(%)
							Asphaltic Pavement					
8	2		19	■	sp		FILL: Light brown, moist, dense, fine to medium grained, Sand					
6	4		15	■	sp		Grey, moist to wet, dense, fine to medium grained, Sand (No visible signs of contamination)					
4	6						Bottom of boring at 6'					

NOTE: THE DESCRIPTION OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC EXCAVATION AND AT THE DATE INDICATED. THIS LOG IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

Project: FISHERMAN'S VILLAGE
4904-4922 NORTH HARBOR DRIVE
SAN DIEGO, CA.

Job Number: 7508

Plate Number: A2

ENGINEERING SCIENCE APPLICATIONS
GEOTECHNICAL ENGINEERING • ENVIRONMENTAL CONSULTING

EXCAVATION LOG

LOGGED BY: SMJ	DATE EXCAVATED: 08-04-92	GROUND SURFACE ELEVATION: APPRX. +10 MLLW	NUMBER: E-3
DRILL RIG: CME 75	DIAMETER: 7" TRENCH WIDTH:	HAMMER WT.: 140 lbs. FALL: 30"	

ELEVATION	DEPTH (FT.)	"N" VALUE STD.PEN.TEST	BLOWS PER (FT.)	SAMPLE LOC.	LITHOLOGY	GROUNDWATER	DESCRIPTION	% PASSING 200 SCREEN	DRY DENSITY (lbs./cu. ft.)	RELATIVE COMPACTION(%)	MOISTURE (% of dry wt.)	DEGREE OF SATURATION(%)
							Asphaltic Pavement					
							FILL: Light brown, moist, dense, fine to medium grained, Sand					
8	2											
			20	■	sp		(No visible signs of contamination)					
					sp		Dark brown, moist to wet, medium dense, fine to medium grained Sand with abundant Sea Shells					
6	4											
			7	■			(No visible signs of contamination)					
4	6						Bottom of boring at 6'					

KEY TO SYMBOLS: □ ... SAMPLING ATTEMPTED NO RECOVERY ☒ ... DISTURBED BULK/BAG ◪ ... STANDARD PENETRATION ■ ... SHELBY TUBE ■ ... DRIVE SAMPLE (CALIFORNIA-RINGS) ▶ ... WATER TABLE OR SEEPAGE

NOTE: THE DESCRIPTION OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC EXCAVATION AND AT THE DATE INDICATED. THIS LOG IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

Project: FISHERMAN'S VILLAGE
4904-4922 NORTH HARBOR DRIVE
SAN DIEGO, CA.

Job Number: 7508

Plate Number: A3

ENGINEERING SCIENCE APPLICATIONS
GEOTECHNICAL ENGINEERING • ENVIRONMENTAL CONSULTING

EXCAVATION LOG

LOGGED BY: SMJ	DATE EXCAVATED: 08-04-92	GROUND SURFACE ELEVATION: APPRX. +10 MLLW	NUMBER: E-4
DRILL RIG: CME 75	DIAMETER: 7" TRENCH WIDTH:	HAMMER WT.: 140 lbs. FALL: 30"	

ELEVATION	DEPTH (FT.)	"N" VALUE STD.PEN.TEST	BLOWS PER (FT.)	SAMPLE LOC.	LITHOLOGY	GROUNDWATER	DESCRIPTION	% PASSING 200 SCREEN	DRY DENSITY (lbs./cu. ft.)	RELATIVE COMPACTION(%)	MOISTURE (% of dry wt.)	DEGREE OF SATURATION(%)
							Asphaltic Pavement					
8	2						Encountered debris at 2 feet					
			20		sp		Gray, moist, dense, fine, Sand					
6	4						Intermittent debris					
			18				Gray, moist, medium dense, fine, Sand with chunks of asphalt debris					
4	6						Bottom of boring at 6'					

KEY TO SYMBOLS: □ ... SAMPLING ATTEMPTED NO RECOVERY ☒ ... DISTURBED BULK/BAG ◪ ... STANDARD PENETRATION ■ ... SHELBY TUBE ■ ... DRIVE SAMPLE (CALIFORNIA-RINGS) ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE DESCRIPTION OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC EXCAVATION AND AT THE DATE INDICATED. THIS LOG IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

Project: FISHERMAN'S VILLAGE
4904-4922 NORTH HARBOR DRIVE
SAN DIEGO, CA.

Job Number: 7508

Plate Number: A4

ENGINEERING SCIENCE APPLICATIONS
GEOTECHNICAL ENGINEERING · ENVIRONMENTAL CONSULTING

EXCAVATION LOG

LOGGED BY: SMJ	DATE EXCAVATED: 08-04-92	GROUND SURFACE ELEVATION: APPRX. +10 MLLW	NUMBER: E-5
DRILL RIG: CME 75	DIAMETER: 7" TRENCH WIDTH:	HAMMER WT.: 140 lbs. FALL: 30"	

ELEVATION	DEPTH (FT.)	"N" VALUE STD. PEN. TEST	BLOWS PER (FT.)	SAMPLE LOC.	LITHOLOGY	GROUNDWATER	DESCRIPTION	% PASSING 200 SCREEN	DRY DENSITY (lbs./cu. ft.)	RELATIVE COMPACTION (%)	MOISTURE (% of dry wt.)	DEGREE OF SATURATION (%)
							Asphaltic Pavement					
					sm		FILL: Dark green, moist, dense, Silty Sand (sample has slight diesel odor)					
8	2		27									
					sm							
6	4						Dark brown, moist to wet, dense, Silty Sand with abundant sea shells (No odor or visual signs of contamination)					
4	6											
			14			▼	Groundwater encountered at 7' feet below surface					
2	8						Collected groundwater sample utilizing "hydropunch II" equivalent					
							Bottom of boring at 8'					

KEY TO SYMBOLS: ☐ ... SAMPLING ATTEMPTED NO RECOVERY ☒ ... DISTURBED BULK/BAG ◪ ... STANDARD PENETRATION ▣ ... SHELBY TUBE ■ ... DRIVE SAMPLE (CALIFORNIA-RINGS) ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE DESCRIPTION OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC EXCAVATION AND AT THE DATE INDICATED. THIS LOG IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

Project: FISHERMAN'S VILLAGE
4904-4922 NORTH HARBOR DRIVE
SAN DIEGO, CA.

Job Number: 7508

Plate Number: A5

ENGINEERING SCIENCE APPLICATIONS
GEOTECHNICAL ENGINEERING • ENVIRONMENTAL CONSULTING

EXCAVATION LOG

LOGGED BY: SMJ	DATE EXCAVATED: 08-04-92	GROUND SURFACE ELEVATION: APPRX. +10 MLLW	NUMBER: E-6
DRILL RIG: CME 75	DIAMETER: 7" TRENCH WIDTH:	HAMMER WT.: 140 lbs. FALL: 30"	

KEY TO SYMBOLS: ☐ ... SAMPLING ATTEMPTED NO RECOVERY ☒ ... DISTURBED BULK/BAG ◩ ... STANDARD PENETRATION ■ ... SHELBY TUBE ■ ... DRIVE SAMPLE (CALIFORNIA-RINGS) ▶ ... WATER TABLE OR SEEPAGE

ELEVATION	DEPTH (FT.)	"N" VALUE STD.PEN.TEST	BLOWS PER (FT.)	SAMPLE LOC.	LITHOLOGY	GROUNDWATER	DESCRIPTION	% PASSING 200 SCREEN	DRY DENSITY (lbs./cu. ft.)	RELATIVE COMPACTION(%)	MOISTURE (% of dry wt.)	DEGREE OF SATURATION(%)
							Asphaltic Pavement					
					sp							
8	2											
			20	■			Light brown, moist, dense, fine to medium Sand					
6	4											
			9	■			Brown, moist to wet, medium dense, fine to medium Sand (No oder or visual signs of contamination)					
4	6											
							Bottom of boring at 6'					

NOTE: THE DESCRIPTION OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC EXCAVATION AND AT THE DATE INDICATED. THIS LOG IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

Project: FISHERMAN'S VILLAGE
4904-4922 NORTH HARBOR DRIVE
SAN DIEGO, CA.

ENGINEERING SCIENCE APPLICATIONS
GEOTECHNICAL ENGINEERING · ENVIRONMENTAL CONSULTING

Job Number:	Plate Number:
7508	A6

Pacific Treatment Analytical Services, Inc.
4340 Viewridge Ave., Suite A • San Diego, CA 92123 (619) 560-7717 FAX (619) 560-7763

Engineering Science Applications
8534 Commerce Avenue, Ste. B
San Diego, CA 92121
Attn: Scott Johnson

LABORATORY NO: 1153-92
DATE OF REPORT: August 24, 1992
DATE RECEIVED: August 4, 1992 @ 1446
IDENTIFICATION: Project: Fisherman's Village; One soil sample

Enclosed with this letter is the report on the following analyses on the sample from the project identified above:

Total Recoverable Petroleum Hydrocarbons (TRPH) by EPA 418.1;
Metals digested by EPA 3010 and analyzed by EPA 6010

The sample was received by Pacific Treatment Analytical Services intact, with chain-of-custody documentation and appropriate preservation. The test results and pertinent quality assurance/quality control data are listed on the attached tables.

Kenneth J. Walits
Laboratory Director

BK 2417-64, 4801-33, 34, 38, 43

Engineering Science Applications
Client Sample ID: E-1, E-5, E-6 Composite
Lab Sample ID: 1153-92
Project: Fisherman's Village
Sample Matrix: Soil
Attn: Scott Johnson

Date Sampled: 08/04/92
Date Received: 08/04/92
Date Analyzed: 08/10-20/92
Date of Report: 08/24/92
Units: mg/L

RESULTS

Parameter	Results
Antimony	< 10
Beryllium	< 1
Cadmium	< 5
Chromium	15
Copper	< 10
Lead	< 10
Nickel	19
Silver	< 10
Zinc	11
Arsenic	12
Mercury	< 0.009
Selenium	0.33
Thallium	< 28
TRPH	51

Pacific Treatment Analytical Services, Inc. 4340 Viewridge Ave , Suite A • San Diego, CA 92123 (619) 560-7717 FAX (619) 560-7763

Engineering Science Applications	Date Sampled: 08/04/92
Client Sample ID: E-1, E-5, E-6 Composite	Date Received: 08/04/92
Lab Sample ID: 1153-92	Date Analyzed: 08/10-20/92
Project: Fisherman's Village	Date of Report: 08/24/92
Sample Matrix: Soil	
Attn: Scott Johnson	

Quality Assurance/Quality Control data

Parameter	MS % R	MSD % R	RPD	
Antimony	103	106	3	
Beryllium	88	89	1	
Cadmium	89	91	2	
Chromium	47	37	24	*
Copper	93	91	2	
Lead	82	82	0	
Nickel	96	93	3	
Silver	89	88	1	
Zinc	81	81	0	
Arsenic	62	69	9	
Mercury	71	70	1	
Selenium	76	78	2	
Thallium	104	88	17	

MS % R = Matrix Spike Percent Recovery
MSD % R = Matrix Spike Duplicate Percent Recovery
RPD = Relative Percent Difference

Comment: * Poor recoveries due to sample inhomogeneity.

Pacific Treatment Analytical Services, Inc.
4340 Viewridge Ave., Suite A • San Diego, CA 92123 (619) 560-7717 FAX (619) 560-7763

Engineering Science Applications
8534 Commerce Avenue, Ste. B
San Diego, CA 92121
Attn: Scott Johnson

LABORATORY NO:	1154-92
DATE OF REPORT:	August 25, 1992
DATE RECEIVED:	August 4, 1992 @ 1451
IDENTIFICATION:	Project: Fisherman's Village One liquid and two soil samples

Enclosed with this letter is the report on the following analyses on the samples from the project identified above:

> Total Recoverable Petroleum Hydrocarbons (TRPH) by EPA 418.1; EPA Priority Pollutant Metals digested by EPA 3010 and analyzed by EPA 6010, EPA 7000

The samples were received by Pacific Treatment Analytical Services intact, with chain-of-custody documentation and appropriate preservation. The test results and pertinent quality assurance/ quality control data are listed on the attached tables.

Kenneth Walits / [illegible]
Kenneth J. Walits
Laboratory Director

BK 2417-64, 4601-5Y, 4801-33, 34, 38, 43

Engineering Science Applications	Date Sampled: 08/04/92
Client Sample ID: See Below	Date Received: 08/04/92
Lab Sample ID: See Below	Date Analyzed: 08/07/92
Project: Fisherman's Village	Date of Report: 08/25/92
Sample Matrix: See Below	Units: See Below
Attn: Scott Johnson	

RESULTS - TRPH

Units: mg/kg
Sample Matrix: Soil

Client ID	Lab Sample ID	Results
E-5 @ 2'	1154-92-1	90
Composite *	1154-92-3	24

Units: mg/L
Sample Matrix: Liquid

Client ID	Lab Sample ID	Results
E-5 @ 7'	1154-92-2	1.7

Comment: * Composite of E-2 @ 2½, E-2 @ 5', E-3 @ 2½', E-3 @ 5', E-4 @ 2½', and E-4 @ 5'.

Engineering Science Applications	Date Sampled: 08/04/92
Client Sample ID: Composite *	Date Received: 08/04/92
Lab Sample ID: 1154-92	Date Analyzed: 08/10-20/92
Project: Fisherman's Village	Date of Report: 08/25/92
Sample Matrix: Soil	**Units: mg/kg**
Attn: Scott Johnson	

RESULTS

Parameter	Results
Antimony	12
Beryllium	< 1
Cadmium	< 5
Chromium	22
Copper	< 10
Lead	< 10
Nickel	34
Silver	< 10
Zinc	16
Arsenic	7.3
Mercury	0.016
Selenium	< 0.37
Thallium	< 33

Comment: * Composite of E-2 @ 2½, E-2 @ 5', E-3 @ 2½', E-3 @ 5', E-4 @ 2½', and E-4 @ 5'.

Engineering Science Applications
Client Sample ID: Composite *
Lab Sample ID: 1154-92
Project: Fisherman's Village
Sample Matrix: Soil
Attn: Scott Johnson

Date Sampled: 08/04/92
Date Received: 08/04/92
Date Analyzed: 08/10-20/92
Date of Report: 08/25/92
Units: mg/kg

Quality Assurance/Quality Control data

Parameter	MS % R	MSD % R	RPD	
Antimony	103	106	3	
Beryllium	88	89	1	
Cadmium	89	91	2	
Chromium	47	37	24	**
Copper	93	91	2	
Lead	82	82	0	
Nickel	96	93	3	
Silver	89	88	1	
Zinc	81	81	0	
Arsenic	62	69	9	
Mercury	71	70	1	
Selenium	76	78	2	
Thallium	104	88	17	

MS % R = Matrix Spike Percent Recovery
MSD % R = Matrix Spike Duplicate Percent Recovery
RPD = Relative Percent Difference

Comment: * Composite of E-2 @ 2½, E-2 @ 5', E-3 @ 2½', E-3 @ 5', E-4 @ 2½', and E-4 @ 5'.
** Poor recoveries due to sample inhomogeneity.

R? 12-17

COUNTY OF SAN DIEGO

file

COMPLIANCE INSPECTION REPORT

EST. NUMBER H 10546
DATE 12 / 12 / 95
PAGE 1 OF 3
BUS CODE K18
SPECIALIST C Fuentecilla
CONTACT GERALD DRISCOLL
TITLE Owner Mgr.
PHONE 222-4930

BUSINESS NAME DRISCOLL'S WHARF
ADDRESS 4904 N. HARBOR DR.
CITY/ZIP S.D. 92106

On the above date an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (H&S) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

PROCESSED 1/11/96 NSC

DEC 20 1995

Office Use Only

1 R / W

~~R319 W~~

~~R232 W~~

~~R118 W~~

Routine Inspection.
- HMMD [HEALTH PERMIT expiration date 5-31-96]
- Site inspection conducted.
- Verified hazardous waste streams.
- Reviewed hazardous waste disposal manifest.

OBSERVATION:
* OBSERVED 4 X 55 gallon drums stored in waste oil storage area. 3 of the 55 gal. drums are empty and 1 X 55 gal. drum and a 30 gal plastic container contains unknown materials. (liquid sub.)

TO comply:
→ CA. Code of Regulations, Title 22, section 66262.34 states that a material is a waste if not adequately labeled within 10 days of it's discovery.
1. Determine the contents of the 55 gal. drum & 30 gal. plastic container.
2. LABEL the material of it's contents.
3. If determined as hazardous waste, dispose of them as a hazardous waste: label container and keep haz. waste disposal manifest on site

X John Gerald Driscoll
Signature of Business Representative

Partner
Title

Department of Environmental Health, Hazardous Materials Management Division, P.O. Box 85261, San Diego, CA, 92186-5261

(619) 338-2222

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

EST. NUMBER H 10546
DATE 12/12/95
PAGE 2 OF 3
BUS CODE K18
SPECIALIST
CONTACT
TITLE
PHONE

BUSINESS NAME DRISCOLL WHARF
ADDRESS
CITY/ZIP

On the above date an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (H&S) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

Office Use Only	
	Continuation.
	available for review.
	→ FORWARD a copy of the disposal manifest of the previous noted 55 gal. Drum in the parking lot (per inspection 5-9-94 cook) hazardous waste.
	* Business plan was NOT amended/updated.
	To comply:
~~R240~~ W	→ Submit an updated Business plan to this Dept. to my attention within 30 days.
	* Nobody on site is trained to handle or manage the oil storage area.
~~R405~~ W	To comply:
	→ Conduct an employee training in the handling of hazardous waste.
~~R216~~ W	→ Inspect storage of waste area at least once a ~~year~~ week.

John Gerald Driscoll
Signature of Business Representative

Partner
Title

Department of Environmental Health, Hazardous Materials Management Division, P.O. Box 85261, San Diego, CA, 92186-5261

(619) 338-2222

DEH:HM-924 (5/95) NCR

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

County of San Diego
Department of Environmental Health

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

ESID NUMBER H 10546
DATE 12/12/95
PAGE 3 OF 3

BUSINESS ADDRESS: 4904 N. HARBOR DR. SD, 92106

VIOLATION REPORT: The items checked below refer to specific section numbers of Titles 19/22/23 of the California Code of Regulations (CCR), Chapters 6.5, 6.7, 6.95 of the Health and Safety Code (HSC), and/or the San Diego County Code (SDCC).

I HAZARDOUS WASTE REQUIREMENTS:

RECORD KEEPING

- [ ] Health Permit not obtained SDCC 68.905 — V0108 W____
- [ ] No EPA Identification Number 66262.12 — V0105 W____
- 1 [X] Waste Manifests/Receipts not on-site for 3 years 66262.40 — V0118 W____
- [ ] Manifest not properly completed 66262.23 — V0120 W____
- [ ] Manifest copy not sent to CAL-EPA 66262.23 — V0115 W____
- [ ] TSDF signed-manifest not on-site 66262.40 — V0121 W____
- [ ] Biennial report not sent to CAL-EPA 66262.41 — V0122 W____
- [ ] LDR Documentation not available 66268.7 — V0123 W____
- [ ] Exception Rpt. not filed with CAL-EPA 66262.42 — V0116 W____
- [ ] Operating TSDF without authorization 25201 — V0124 W____

STORAGE AND HANDLING

- [ ] Waste stored longer than 90 days 66262.34 — V0221 W____
- [ ] Waste container missing/improperly labeled 66262.34 — V0222 W____
- 2 [X] Haz Materials not properly labeled 25124 — V0223 W____
- [ ] Waste container not kept closed 66265.173 — V0202 W____
- [ ] Waste container in poor condition 66265.171 — V0205 W____
- [ ] Waste container(s) not properly managed 66265.173 — V0210 W____
- [ ] Damaged container not repackaged 66265.171 — V0226 W____
- [ ] Container incompatible with waste 66265.172 — V0207 W____
- [ ] Incompatibles in the same container 66265.177 — V0224 W____
- [ ] Incompatibles not stored separately 66265.177 — V0213 W____
- [ ] Ignitible Wastes less than 50 feet 66265.176 — V0214 W____
- [ ] Ignitible Wastes not grounded 66265.31 — V0215 W____
- 3 [X] Storage area not inspected weekly 66265.174 — V0216 W____

DISPOSAL AND TRANSPORTATION

- [ ] Unauth. disposal of waste to ________ 25189.5 — V0313 W____
- [ ] Waste determination not made 66262.11 — V0319 W____
- [ ] Unlawful transport of haz. waste 25163 — V0315 W____
- [ ] Waste transported without manifest 66262.20 — V0316 W____
- [ ] No Extremely Haz. Waste Permit 67430.1 — V0317 W____

TRAINING, CONTINGENCY PLAN & EMERGENCY PROCEDURES

- [ ] Training records unavailable 66265.16 — V0405 W____
- [ ] Training program not adequate 66265.16 — V0406 W____
- [ ] Facility not designed to minimize release 66265.31 — V0501 W____
- [ ] Spill control equip not available 66265.32 — V0508 W____
- [ ] Aisle space is obstructed 66265.35 — V0509 W____
- [ ] Contingency plan not prepared and/or on file 66265.51, 66265.53 — V0609 W____

MISCELLANEOUS

- [ ] Waste oil contaminated 25250.7 — V0225 W____
- [ ] Used oil filters improperly managed 66266.130 — V0701 W____
- [ ] Damaged batteries improperly managed 66266.81 — V0702 W____

II UNDERGROUND STORAGE TANK (UST) REQUIREMENTS:

GENERAL UST REQUIREMENTS

- [ ] Health Permit not obtained 68.1005, 25284 — V3002 T____
- [ ] Repair/modify/close permit not obtained 68.1005 — V3007 T____
- [ ] UST Permit Application not submitted 25286(a) — V3010 T____
- [ ] Operating permit conditions violated 2712 — V3011 T____
- [ ] Failed to notify HMMD of changes 25284 — V3012 T____
- [ ] No owner/operator agreement 25293 — V3005 T____
- [ ] No records of financial coverage 25292.2 — V3013 T____
- [ ] No maint/monit/calib records available 2712(b), 2641i — V3001 T____

MONITORING REQUIREMENTS (SINGLE WALL)

- [ ] Leak Detection Method does not meet performance standards 2643 — V3014 T____
- [ ] Annual Integrity test not conducted 25292 — V3015 T____
- [ ] Copy of tank test not submitted to HMMD within 30 days 2643 — V3016 T____
- [ ] Manual tank gauging (<2000 gal) 2645 not done properly — V3017 T____
- [ ] Reconciliation not done properly 2646 — V3018 T____
- [ ] Reconciliation not approved for facility 2646 — V3019 T____
- [ ] Dispenser meter(s) not calib annually 2646 — V3020 T____
- [ ] Improper liquid measurements 2646 — V3021 T____
- [ ] Stick in poor condition 2646 — V3022 T____
- [ ] Improper monthly reconciliation 2646 — V3023 T____
- [ ] Failed to report excessive variation 2646 — V3024 T____
- [ ] Pressurized Product Piping Leak Device not tested annually 25292 — V3025 T____

MONITORING REQUIREMENTS (DOUBLE WALL)

- [ ] Monitoring system not functional 2632 — V3026 T____
- [ ] No written monitoring procedure 2632 — V3027 T____
- [ ] Written response plan not available 2632 — V3028 T____
- [ ] Spill/Overfill equip. not maintained or installed 2635 — V3029 T____

RELEASE REPORTING

- [ ] Failure to report an unauthorized release 25295 — V3009 T____
- [ ] Release record log not available 2651, 2650 — V3030 T____
- [ ] No leak report/investigation/action 2652 — V3031 T____

CLOSURE

- [ ] Temporary closure req. not completed 2671 — V3006 T____
- [ ] Abandoned tank not properly closed 25298 — V3032 T____
- [ ] Permanent closure req. not completed 2672 — V3033 T____

III HAZARDOUS MATERIALS BUSINESS PLAN REQUIREMENTS:

RECORD KEEPING

- [ ] Health Permit not obtained SDCC 68.1105 — V2001 W____
- [ ] Business Plan not established/implemented 25503.5 — V2002 W____
- [ ] Business Plan not submitted to HMMD 25505 — V2007 W____
- 4 [X] Business Plan not amended 25505 — V2003 W____
- [ ] Personnel Training Records not available 2732 — V2302 W____

RELEASE REPORTING

- [ ] Failure to report a release/threatened release 25507 — V2008 W____

BUSINESS PLAN ELEMENTS

- [ ] Emergency Response Plan inadequate 25504 — V2201 W____
- [ ] Emergency Contacts not provided/current 25509 — V2203 W____
- [ ] Personnel Training Program inadequate 25504 — V2301 W____
- [ ] Inventory is incomplete 25504 — V2005 W____
- [ ] Site Map is not sufficient 25509 — V2202 W____
- [ ] Acutely Haz. Mat. not registered 25533 — V2009 W____

An inspection summary report will be mailed shortly. All violations must be corrected. Please call (619) 338-2222 if you have any questions.

John Gerald Driscoll
ESTABLISHMENT REPRESENTATIVE

Partner
TITLE

Department of Health Services, Environmental Health Services, Hazardous Materials Management Division, P.O. Box 85261, San Diego, CA 92186-5261

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

DHS:HM-923 (Rev. 2/94) NCR

COUNTY OF SAN DIEGO

EST. NO. H 10546

DATE 1-21-98

TIME START 1:15 END 2:30

BUS. CODE K18

SPECIALIST B LONG

COMPLIANCE INSPECTION REPORT

BUSINESS NAME Driscoll's Wharf

ADDRESS 4904 N Harbor Dr

CITY/ZIP San Diego CA

CONTACT J. Driscoll

TITLE Managing Partner

PHONE 222-4930

On the above date an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (H&S) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

RTC: 1-30-98 unt file

JAN 27 1998

Office Use Only

- Routine Inspection conducted with Kristan
- Health Permit valid until 5-31-98
- Hazardous Materials Business Plan was updated during inspection
- Hazardous Waste Receipts / Manifests for Past Three years are on site

1. Observation: Tank used for storage of used oil does NOT have a Hazardous Waste label.

Corrective Action: With in 5 days affix a ~~#~~ complete Hazardous Waste label to the Tank.

2. Observation: Employee Training Records are unavailable.

Corrective Action: With in 30 days complete + document employee training. See your Hazardous Materials Business Plan for Topics.

Christie Carr	1/21/98	Ofc. manager
Signature of Business Representative	Date Signed	Title

Department of Environmental Health, Hazardous Materials Management Division, P.O. Box 85261, San Diego, CA, 92186-5261

(619) 338-2222

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

DEH:HM-924 (Rev. 1/96) NCR

County of San Diego
Department of Environmental Health

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

EST. NUMBER H 10546
DATE 1/21/98
PAGE 2 OF 2

BUSINESS ADDRESS: 4904 N Harbor Dr, 92106

VIOLATION REPORT: The items checked below refer to specific section numbers of Titles 19/22/23 of the California Code of Regulations (CCR), Chapters 6.5, 6.7, 6.95 of the Health and Safety Code (HSC), and/or the San Diego County Code (SDCC).

I HAZARDOUS WASTE REQUIREMENTS:

RECORD KEEPING
- [ ] Health Permit not obtained SDCC 68.905 V0108 W____
- [ ] No EPA Identification Number 66262.12 V0105 W____
- [ ] Waste Manifests/Receipts not on-site for 3 years 66262.40 V0118 W____
- [ ] Manifest not properly completed 66262.23 V0120 W____
- [ ] Manifest copy not sent to DTSC 66262.23 V0115 W____
- [ ] TSDF signed-manifest not on-site 66262.40 V0121 W____
- [ ] Biennial report not sent to DTSC 66262.41 V0122 W____
- [ ] LDR Documentation not available 66268.7 V0123 W____
- [ ] Exception Rpt. not filed with DTSC 66262.42 V0116 W____
- [ ] Operating TSDF without authorization 25201 V0124 W____

STORAGE AND HANDLING
- [ ] Waste stored longer than 90, 180, or 270 days 66262.34 V0221 W____
- [ ] Failure to clean up hazwaste off of floor surface 66262.10b V0313 W____
- 1 [X] Waste container missing/improperly labeled 66262.34 V0222 W ✓
- [ ] Haz Materials not properly labeled 25124 V0223 W____
- [ ] Waste container not kept closed 66265.173 V0202 W____
- [ ] Waste container in poor condition 66265.171 V0205 W____
- [ ] Waste container(s) not properly managed 66265.173 V0210 W____
- [ ] Damaged container not repackaged 66265.171 V0226 W____
- [ ] Container incompatible with waste 66265.172 V0207 W____
- [ ] Incompatibles in the same container 66265.177 V0224 W____
- [ ] Incompatibles not stored separately 66265.177 V0213 W____
- [ ] Ignitible Waste less than 50 feet 66265.176 V0214 W____
- [ ] Ignitible Waste not grounded 66265.31 V0215 W____
- [ ] Storage area not inspected weekly 66265.174 V0216 W____

DISPOSAL AND TRANSPORTATION
- [ ] Unauth. disposal of waste to ________ 25189.5 V0313 W____
- [ ] Waste determination not made 66262.11 V0319 W____
- [ ] Unlawful transport of haz. waste 25163 V0315 W____
- [ ] Waste transported without manifest 66262.20 V0316 W____
- [ ] Extremely Haz Waste Permit not obtained 25205.7 V0317 W____

TRAINING, CONTINGENCY PLAN & EMERGENCY PROCEDURES
- [ ] Training records unavailable 66265.16 V0405 W____
- [ ] Training program not adequate 66265.16 V0406 W____
- [ ] Facility not designed to minimize release 66265.31 V0501 W____
- [ ] Spill control equip not available 66265.32 V0508 W____
- [ ] Aisle space is obstructed 66265.35 V0509 W____
- [ ] Contingency plan not prepared and/or on file 66265.51, 66265.53 V0609 W____

MISCELLANEOUS
- [ ] Waste oil contaminated 25250.7 V0225 W____
- [ ] Used oil filters improperly managed 66266.130 V0701 W____
- [ ] Damaged batteries improperly managed 66266.81 V0702 W____
- [ ] Facility has failed to notify local CUPA and DTSC of onsite treatment of hazardous waste (tiered permitting) V0125 W____
- [ ] Onsite treatment of waste without authorization 25201 V0125 W____

II UNDERGROUND STORAGE TANK (UST) REQUIREMENTS:

GENERAL UST REQUIREMENTS
- [ ] Health Permit not obtained 68.1005, 25284 V3002 T____
- [ ] Repair/modify/close permit not obtained 68.1005 V3007 T____
- [ ] UST Permit Application not submitted 25286(a) V3010 T____
- [ ] Operating permit conditions violated 2712 V3011 T____
- [ ] Failed to notify HMMD of changes 25284 V3012 T____
- [ ] No owner/operator agreement 25284 V3005 T____
- [ ] No records of financial coverage 25292.2 V3013 T____
- [ ] No maint/monit/calib records available 2712(b), 2641(j) V3001 T____
- [ ] Monitoring Equip. not tested annually 2630, 2641 V3003 T____

MONITORING REQUIREMENTS (SINGLE WALL)
- [ ] Leak Detection Method does not meet performance standards 2643 V3014 T____
- [ ] Integrity test not conducted 25292 V3015 T____
- [ ] Copy of tank test not submitted to HMMD within 30 days 2643 V3016 T____
- [ ] Manual tank gauging (<2000 gal) 2645 not done properly V3017 T____
- [ ] Reconciliation not done properly 2646 V3018 T____
- [ ] Reconciliation not approved for facility 2646 V3019 T____
- [ ] Dispenser meter(s) not calib annually 2646 V3020 T____
- [ ] Improper liquid measurements 2646 V3021 T____
- [ ] Stick in poor condition 2646 V3022 T____
- [ ] Improper monthly reconciliation 2646 V3023 T____
- [ ] Failed to report excessive variation 2646 V3024 T____
- [ ] Pressurized Product Piping Leak Device not tested annually 25292 V3025 T____
- [ ] No written monitoring procedure 2641 V3027 T____
- [ ] No written emergency response plan 2641 V3027 T____
- [ ] SIR reporting incorrectly done 2646.1 V3004 T____

MONITORING REQUIREMENTS (DOUBLE WALL)
- [ ] Monitoring system not functional 2632 V3026 T____
- [ ] No written monitoring procedure 2632 V3027 T____
- [ ] Written emergency response plan not available 2632 V3028 T____
- [ ] Spill/Overfill equip. not maintained or installed 2635 V3029 T____

RELEASE REPORTING
- [ ] Failure to report an unauthorized release 25295 V3009 T____
- [ ] Release record log not available 2651, 2650 V3030 T____
- [ ] No leak report/investigation/action 2652 V3031 T____

CLOSURE
- [ ] Temporary closure req. not completed 2671 V3006 T____
- [ ] Unused tank not properly closed 25298 V3032 T____
- [ ] Permanent closure req. not completed 2672 V3033 T____
- [ ] Failed to apply for temporary closure 25298 V3008 T____

III HAZARDOUS MATERIALS BUSINESS PLAN REQUIREMENTS:

RECORD KEEPING
- [ ] Health Permit not obtained SDCC 68.1105 V2001 W____
- [ ] Business Plan not established/implemented 25503.5 V2002 W____
- [ ] Business Plan not submitted to HMMD 25505 V2007 W____
- [ ] Business Plan not amended 25505 V2003 W____
- 2 [X] Personnel Training Records not available 19 CCR 2732 V2302 W ✓

RELEASE REPORTING
- [ ] Failure to report a release/threatened release 25507 V2008 W____

BUSINESS PLAN ELEMENTS
- [ ] Emergency Response Plan inadequate 25504 V2201 W____
- [ ] Emergency Contacts not provided/current 25509 V2203 W____
- [ ] Personnel Training Program inadequate 25504 V2301 W____
- [ ] Inventory is incomplete 25504 V2005 W____
- [ ] Site Map is not sufficient 25509 V2202 W____
- [ ] Acutely Haz. Mat. not registered 25533 V2009 W____

ALL VIOLATIONS MUST BE CORRECTED. PLEASE CALL (619) 338-2222 OR YOUR INSPECTOR IF YOU HAVE ANY QUESTIONS.

Christie Carr	1-21-98	manager
ESTABLISHMENT REPRESENTATIVE	DATE SIGNED	TITLE

Department of Environmental Health, Hazardous Materials Management Division, P. O. Box 85261, San Diego, CA 92186-5261

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

DEH:HM-923 (Rev. 10/96) NCR

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 1
EST. NO. H 10546
DATE 2/6/01
TIME START 10:00 END
BUS. CODE 518
SPECIALIST J. Fernandez
CONTACT J. DRISCOLL
TITLE owner
PHONE 619-222-4930

BUSINESS NAME DRISCOLL'S Wharf
ADDRESS 4904 N. Harbor DR
CITY/ZIP San Diego 92106

mga 2/27/01 file

On the above date, an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (H&S) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

Office Use Only

FEB 14 2001

Routine Inspection

No violations observed at this time.

Remarks:
1) Health Permit is current and posted on site. Permit expires 5/31/01.
2). Business Plan accepted on 1/27/98 is on site. Business Plan updated today. Triennial Certification form filled out on 2/6/01
3). Training documentation regarding Hazardous Materials/waste as outlined in the business plan, is on site and performed yearly.
4). All waste oil is hauled off site by Asbury Environmental. Pickup receipts on site for the last 3 years.
5). No hazardous materials of reportable quantities at this time observed on site.

Cynthia Price
Signature of Business Representative

2-6-01
Date Signed

MANAGER
Title

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2222

DEH:HM-924 (Rev. 2/99) NCR

DISTRIBUTION: WHITE- RETURN TO HMD
YELLOW-BUSINESS RETAINS

County of San Diego
Department of Environmental Health

H 34185

THE CITY OF

SAN DIEGO

ENVIRONMENTAL SERVICES DEPARTMENT • ENVIRONMENTAL PROGRAMS DIVISION
4950 MURPHY CANYON ROAD • SUITE 201 • SAN DIEGO, CA 92123 – 4325

Telephone (619) 492-5010
FAX (619) 492-5021

Richard L. Hays
Director

March 27, 1996

Reviewed
4/3/96
M. Trainor

Matt Trainor
Department of Environmental Health
Hazardous Materials Management Division
9325 Hazard Way
San Diego, CA 92123

SUBJECT: RESPONSE TO THE REGULATORY INSPECTION OF THE MARINE BIOLOGY LAB (H-34185)

Dear Mr. Trainor:

On March 6, 1996 you conducted the annual regulatory inspection of the City's Metropolitan Wastewater Department's Marine Biology Lab located at 4918 North Harbor Drive, San Diego. This letter addresses the one violation noted during the inspection.

The waste paint thinner and epoxy containers were labeled with a completed yellow hazardous waste label. These waste items will be disposed within 90 days of the accumulation start date.

If you have any questions regarding the actions taken to resolve the violation noted, please contact me at 573-1277.

Sincerely,

Juvilyn Deomampo
Hazardous Materials Inspector

JD:jd

cc: Patty Vainik, Metropolitan Wastewater, Environmental Monitoring and Technical Services Division

file:metro\marbio\insp\cnty.396

3/7/96 MT

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

3-12-96 (illegible)

EST. NUMBER H 34185
DATE 3 / 6 / 96
PAGE 1 OF 2
BUS CODE K67
SPECIALIST Matt Trainor
CONTACT Kelvin Barwick
TITLE Marine Biologist II
PHONE 692-4939

BUSINESS NAME City of San Diego Marine Biology Lab
ADDRESS 4918 N. Harbor Dr
CITY/ZIP San Diego CA 92106

On the above date an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (H&S) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

P: 4/09/96 (initials)

Office Use Only

R W

Violation: MAR 15 1996

1) Several cans of waste (3 one gallon metal cans of thinner waste and 4 small cans of epoxy/paint) are not labeled as "hazardous waste" and with other required information (generator name/address & start date).

• To Comply: Label hazardous waste containers when first used. For expired/unwanted materials, label containers when material is first determined to be a hazardous waste. Dispose of waste within 90 days of start accumulation date.

Remarks:

• Employee training records and hazardous materials business plan were reviewed on site.

[Recommend you document transfer of waste oil from servicing boats. Include date, quantity and where waste is transported. (3/96 M. Trainor)]

• Hazardous waste manifests and log of acid neutralizations were reviewed on site.

(signature) Signature of Business Representative

Marine Biologist II Title

Department of Environmental Health, Hazardous Materials Management Division, P.O. Box 85261, San Diego, CA, 92186-5261

(619) 338-2222

DEH:HM-924 (5/95) NCR

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

County of San Diego
Department of Environmental Health

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

EST. NUMBER H 34185

DATE 3 / 6 / 96

PAGE 2 OF 2

BUSINESS ADDRESS: 4918 N. Harbor Dr San Diego 92106

VIOLATION REPORT: The items checked below refer to specific section numbers of Titles 19/22/23 of the California Code of Regulations (CCR), Chapters 6.5, 6.7, 6.95 of the Health and Safety Code (HSC), and/or the San Diego County Code (SDCC).

I HAZARDOUS WASTE REQUIREMENTS:

RECORD KEEPING

- [ ] Health Permit not obtained SDCC 68.905 V0108 W____
- [ ] No EPA Identification Number 66262.12 V0105 W____
- [ ] Waste Manifests/Receipts not on-site for 3 years 66262.40 V0118 W____
- [ ] Manifest not properly completed 66262.23 V0120 W____
- [ ] Manifest copy not sent to CAL-EPA 66262.23 V0115 W____
- [ ] TSDF signed-manifest not on-site 66262.40 V0121 W____
- [ ] Biennial report not sent to CAL-EPA 66262.41 V0122 W____
- [ ] LDR Documentation not available 66268.7 V0123 W____
- [ ] Exception Rpt. not filed with CAL-EPA 66262.42 V0116 W____
- [ ] Operating TSDF without authorization 25201 V0124 W____

STORAGE AND HANDLING

- [ ] Waste stored longer than 90 days 66262.34 V0221 W____
- [x] Waste container missing/improperly labeled 66262.34 Paint/thinner V0222 W____
- [ ] Haz Materials not properly labeled 25124 V0223 W____
- [ ] Waste container not kept closed 66265.173 V0202 W____
- [ ] Waste container in poor condition 66265.171 V0205 W____
- [ ] Waste container(s) not properly managed 66265.173 V0210 W____
- [ ] Damaged container not repackaged 66265.171 V0226 W____
- [ ] Container incompatible with waste 66265.172 V0207 W____
- [ ] Incompatibles in the same container 66265.177 V0224 W____
- [ ] Incompatibles not stored separately 66265.177 V0213 W____
- [ ] Ignitible Wastes less than 50 feet 66265.176 V0214 W____
- [ ] Ignitible Wastes not grounded 66265.31 V0215 W____
- [ ] Storage area not inspected weekly 66265.174 V0216 W____

DISPOSAL AND TRANSPORTATION

- [ ] Unauth. disposal of waste to______ 25189.5 V0313 W____
- [ ] Waste determination not made 66262.11 V0319 W____
- [ ] Unlawful transport of haz. waste 25163 V0315 W____
- [ ] Waste transported without manifest 66262.20 V0316 W____
- [ ] No Extremely Haz. Waste Permit 67430.1 V0317 W____

TRAINING, CONTINGENCY PLAN & EMERGENCY PROCEDURES

- [ ] Training records unavailable 66265.16 V0405 W____
- [ ] Training program not adequate 66265.16 V0406 W____
- [ ] Facility not designed to minimize release 66265.31 V0501 W____
- [ ] Spill control equip not available 66265.32 V0508 W____
- [ ] Aisle space is obstructed 66265.35 V0509 W____
- [ ] Contingency plan not prepared and/or on file 66265.51, 66265.53 V0609 W____

MISCELLANEOUS

- [ ] Waste oil contaminated 25250.7 V0225 W____
- [ ] Used oil filters improperly managed 66266.130 V0701 W____
- [ ] Damaged batteries improperly managed 66266.81 V0702 W____

II UNDERGROUND STORAGE TANK (UST) REQUIREMENTS:

GENERAL UST REQUIREMENTS

- [ ] Health Permit not obtained 68.1005, 25284 V3002 T____
- [ ] Repair/modify/close permit not obtained 68.1005 V3007 T____
- [ ] UST Permit Application not submitted 25286(a) V3010 T____
- [ ] Operating permit conditions violated 2712 V3011 T____
- [ ] Failed to notify HMMD of changes 25284 V3012 T____
- [ ] No owner/operator agreement 25293 V3005 T____
- [ ] No records of financial coverage 25292.2 V3013 T____
- [ ] No maint/monit/calib records available 2712(b), 2641i V3001 T____

MONITORING REQUIREMENTS (SINGLE WALL)

- [ ] Leak Detection Method does not meet performance standards 2643 V3014 T____
- [ ] Annual Integrity test not conducted 25292 V3015 T____
- [ ] Copy of tank test not submitted to HMMD within 30 days 2643 V3016 T____
- [ ] Manual tank gauging (<2000 gal) 2645 not done properly V3017 T____
- [ ] Reconciliation not done properly 2646 V3018 T____
- [ ] Reconciliation not approved for facility 2646 V3019 T____
- [ ] Dispenser meter(s) not calib annually 2646 V3020 T____
- [ ] Improper liquid measurements 2646 V3021 T____
- [ ] Stick in poor condition 2646 V3022 T____
- [ ] Improper monthly reconciliation 2646 V3023 T____
- [ ] Failed to report excessive variation 2646 V3024 T____
- [ ] Pressurized Product Piping Leak Device not tested annually 25292 V3025 T____

MONITORING REQUIREMENTS (DOUBLE WALL)

- [ ] Monitoring system not functional 2632 V3026 T____
- [ ] No written monitoring procedure 2632 V3027 T____
- [ ] Written response plan not available 2632 V3028 T____
- [ ] Spill/Overfill equip. not maintained or installed 2635 V3029 T____

RELEASE REPORTING

- [ ] Failure to report an unauthorized release 25295 V3009 T____
- [ ] Release record log not available 2651, 2650 V3030 T____
- [ ] No leak report/investigation/action 2652 V3031 T____

CLOSURE

- [ ] Temporary closure req. not completed 2671 V3006 T____
- [ ] Abandoned tank not properly closed 25298 V3032 T____
- [ ] Permanent closure req. not completed 2672 V3033 T____

III HAZARDOUS MATERIALS BUSINESS PLAN REQUIREMENTS:

RECORD KEEPING

- [ ] Health Permit not obtained SDCC 68.1105 V2001 W____
- [ ] Business Plan not established/implemented 25503.5 V2002 W____
- [ ] Business Plan not submitted to HMMD 25505 V2007 W____
- [ ] Business Plan not amended 25505 V2003 W____
- [ ] Personnel Training Records not available 2732 V2302 W____

RELEASE REPORTING

- [ ] Failure to report a release/threatened release 25507 V2008 W____

BUSINESS PLAN ELEMENTS

- [ ] Emergency Response Plan inadequate 25504 V2201 W____
- [ ] Emergency Contacts not provided/current 25509 V2203 W____
- [ ] Personnel Training Program inadequate 25504 V2301 W____
- [ ] Inventory is incomplete 25504 V2005 W____
- [ ] Site Map is not sufficient 25509 V2202 W____
- [ ] Acutely Haz. Mat. not registered 25533 V2009 W____

An inspection summary report will be mailed shortly. All violations must be corrected. Please call (619) 338-2222 if you have any questions.

ESTABLISHMENT REPRESENTATIVE

Marine Biologist II
TITLE

Department of Health Services, Environmental Health Services, Hazardous Materials Management Division, P.O. Box 85261, San Diego, CA 92186-5261

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

DHS:HM-923 (Rev. 2/94) NCR

H34.185

SECTION B - INVENTORY OF HAZARDOUS MATERIALS

A "hazardous substance" is a chemical, compound, or product for which a manufacturer or producer is required by law to prepare a Material Safety Data Sheet (MSDS) for that substance. An MSDS is a document (usually 2 or 3 pages) which contains chemical composition information, fire and explosive data, health hazard data, reactivity data, spill or leak procedures, special protection information and special precaution information. An MSDS for a hazardous substance can be obtained from the supplier of that substance. Hazardous substances also include materials requiring placard warnings during transportation.

1. Does your establishment use or handle hazardous substances in quantities equal to or greater than 55 gallons, 500 pounds, or 200 cubic feet of compressed gas at any one time?
   Yes [ ] No [X]

2. Review the health hazards data or health and safety section of the Material Safety Data Sheets (MSDS) to see if any chemicals or substances you use are designated as a cancer-causing substance (carcinogen) or substance which may cause birth defects, miscarriages, or damage to the human reproductive system (reproductive toxin). Does your establishment use or handle carcinogens or reproductive toxins? Yes [X] No [ ]

3. Does your establishment use or handle gases with Threshold Limit Values (TLV) or Time Weighted Average (TWA) of 10 parts per million or less?
   Yes [ ] No [X]

If you have answered "Yes" to any of the above questions (1, 2, or 3), you do use or handle hazardous materials that are subject to inventory requirements and a permit from the San Diego County Department of Health Services is required. Continue with Section C of the questionnaire.

SECTION C - UNDERGROUND STORAGE TANKS

An "underground storage tank" is a tank, including piping, which holds hazardous wastes (as defined in Section A) or hazardous substances (as defined in Section B, regardless of volume) and has 10% or more of the total volume located below grade.

Does your business have underground storage tanks as defined above? Yes [ ] No [X]
If you answered "yes" a permit from the San Diego County Department of Health Services is required.

Underground storage tanks may not be installed, removed, destroyed, repaired or operated without permits from this Department.

Continue with the Hazardous Materials Summary on page 4.

PLEASE RETURN THIS SECTION.

H34182

HAZARDOUS MATERIALS SUMMARY

Complete the following information regarding the handling of hazardous materials at your business or service. Check one statement.

[X] This business or service does generate hazardous waste, handles hazardous materials subject to the inventory requirements and/or has underground storage tanks that requires a permit from the San Diego County Department of Health Services.

[ ] I have determined that this business or service does not generate hazardous waste, handle hazardous materials subject to the inventory requirements or has underground storage tanks requiring permits from the San Diego County Department of Health Services.

I declare under penalty of perjury that to the best of my knowledge and belief the statements made herein are correct and true. I consent to all necessary inspections allowed by law and incidental to the issuance of required permit(s) and the operation of this business.

Signature [signature] Title Sr Marine Biologist

Date 4/16/93 Phone 692-4939

Type of Business Municipal Govt Laboratory

Please complete the business information on the reverse of this page and return this questionnaire to the San Diego County Department of Health Services in the pre-addressed return envelope or mail using the following address.

SAN DIEGO COUNTY DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS MATERIALS MANAGEMENT DIVISION
P O BOX 85261
SAN DIEGO CA 92138-5261

If a San Diego County Hazardous Materials Management Permit is required for your business or service a representative of this Department will complete an inspection of your business. Permit fees will be determined from the inspection and a billing statement will be mailed.

NOTE: If you do not use hazardous materials, generate hazardous waste, or have underground storage tanks you are still required to return this form.

A representative of the San Diego County Department of Health Services may contact you to verify the information provided on this questionnaire.

H34185

K67

OFFICE USE ONLY: 1-Update 2-Add

CODE #

OFFICE USE ONLY

File Key Number # 34185
2

HAZARDOUS MATERIALS MANAGEMENT
QUESTIONNAIRE/PERMIT APPLICATION

Please complete the following information. If information at left is correct, skip to item #A3. If corrections are necessary, also complete #A1 and #A2.

A1. ESTABLISHMENT NAME
SDCTY-WUD, MARINE BIOLOGY LAB
7 36

A2. MAILING ADDRESS

STREET NUMBER (37–44)	STREET DIRECTION (N,S,E,W,NE,SW,ETC.) (45–46)	STREET NAME OR P.O. BOX NUMBER (47–66)
4077	N	HARBOR DR MS45A -

CITY (67–81)	STATE (82–83)	ZIP CODE (84–92)	BLDG/PLANT NO (93–96)
SAN DIEGO	CA	92101-1065	

A3. ESTABLISHMENT PHONE (97–103): 6924939

A4. CONTACT PERSON (104–123): PATRICIA VAINIK

A5. ESTABLISHMENT ADDRESS (IF DIFFERENT FROM MAILING ADDRESS)

STREET NUMBER (7–14)	STREET DIRECTION (N,S,E,W,NE,SW,ETC.) (15–16)	STREET NAME (17–36)
4918	N	HARBOR DR STE 101

CITY (37–51)	STATE (52–53)	ZIP CODE (54–62)	BLDG/PLANT NO (63–66)
SAN DIEGO	CA	92106-	

A6. OWNER NAME (67–86): CITY OF SAN DIEGO

A7. OWNER PHONE (87–96): 6196924939

A8. NAME OF PREVIOUS OWNER (97–116): NOT APPLICABLE

A9. DATE YOU STARTED OR ASSUMED BUSINESS (MO DAY YR) (117–122): 04 01 93

A10. REASON FOR APPLICATION (7): 1
1 = New
2 = Re-Open
3 = Change of Owner

A11. TOTAL NUMBER OF EMPLOYEES (8–11): 30

A12. DO YOU HAVE PERMITS FOR ANY OF THE FOLLOWING:

	YES	NO	FOR OFFICE USE ONLY
AIR POLLUTION CONTROL DISTRICT		X	12–16
SEWER DISTRICT (FOR INDUSTRIAL WASTES)		X	17–22
HAZARDOUS WASTE FACILITY		X	23–34
HAZARDOUS WASTE HAULER REGISTRATION		X	35–38
REGIONAL WATER QUALITY CONTROL BOARD		X	39

OFFICE USE ONLY

SIC 1	SIC 2	CENSUS TRACT	INC CODE	BUSINESS CODE	ANNUAL FEE	EXPIRATION DATE MO DAY
52–55	56–59	68–	–74	75–77	78–83	84–87

STATUS	FIRE	WATER	SEWER	
88	89	91	93	95

DHS:HM-906 (7/87)

County of San Diego
Department of Health Services

7-21-97
R. Porter

COUNTY OF SAN DIEGO

Page 1 of 2
EST. NO. H 34185
DATE 7/10/97
TIME START 11:15 END 1:15
BUS. CODE K67
SPECIALIST E. PAREDES
CONTACT RON VELARDE
TITLE MARINE BIOLOGY
PHONE 692-4903

COMPLIANCE INSPECTION REPORT

BUSINESS NAME SDCTY MARINE BIOLOGY LAB
ADDRESS 4918 N HARBOR DR #101
CITY/ZIP SAN DIEGO 92106

On the above date an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (H&S) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

Office Use Only

- 25 1997

P: 9/5/97

ROUTINE INSPECTION

REMARKS:

- HAZARDOUS WASTE MANIFESTS ON FILE.

- HAZARDOUS MATERIALS BUSINESS PLAN REVIEWED AND VERIFIED ON SITE.

- EMPLOYEE TRAINING DOCUMENTATION OBSERVED.

Ronald G. Velarde — 7-10-97 — MARINE BIOLOGIST III

Signature of Business Representative — Date Signed — Title

Department of Environmental Health, Hazardous Materials Management Division, P.O. Box 85261, San Diego, CA, 92186-5261

(619) 338-2222

DEH:HM-924 (Rev. 1/96) NCR

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

County of San Diego
Department of Environmental Health

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

EST. NUMBER H 34185
DATE 7/10/97
PAGE 2 OF 2

BUSINESS ADDRESS: 4918 N HARBOR DR #101 SAN DIEGO 92106

VIOLATION REPORT: The items checked below refer to specific section numbers of Titles 19/22/23 of the California Code of Regulations (CCR), Chapters 6.5, 6.7, 6.95 of the Health and Safety Code (HSC), and/or the San Diego County Code (SDCC).

I HAZARDOUS WASTE REQUIREMENTS:

RECORD KEEPING
[ ] Health Permit not obtained SDCC 68.905 V0108 W____
[ ] No EPA Identification Number 66262.12 V0105 W____
[ ] Waste Manifests/Receipts not on-site for 3 years 66262.40 V0118 W____
[ ] Manifest not properly completed 66262.23 V0120 W____
[ ] Manifest copy not sent to DTSC 66262.23 V0115 W____
[ ] TSDF signed-manifest not on-site 66262.40 V0121 W____
[ ] Biennial report not sent to DTSC 66262.41 V0122 W____
[ ] LDR Documentation not available 66268.7 V0123 W____
[ ] Exception Rpt. not filed with DTSC 66262.42 V0116 W____
[ ] Operating TSDF without authorization 25201 V0124 W____

STORAGE AND HANDLING
[ ] Waste stored longer than 90, 180, or 270 days 66262.34 V0221 W____
[ ] Failure to clean up hazwaste off of floor surface 66262.10b V0313 W____
[ ] Waste container missing/improperly labeled 66262.34 V0222 W____
[ ] Haz Materials not properly labeled 25124 V0223 W____
[ ] Waste container not kept closed 66265.173 V0202 W____
[ ] Waste container in poor condition 66265.171 V0205 W____
[ ] Waste container(s) not properly managed 66265.173 V0210 W____
[ ] Damaged container not repackaged 66265.171 V0226 W____
[ ] Container incompatible with waste 66265.172 V0207 W____
[ ] Incompatibles in the same container 66265.177 V0224 W____
[ ] Incompatibles not stored separately 66265.177 V0213 W____
[ ] Ignitible Waste less than 50 feet 66265.176 V0214 W____
[ ] Ignitible Waste not grounded 66265.31 V0215 W____
[ ] Storage area not inspected weekly 66265.174 V0216 W____

DISPOSAL AND TRANSPORTATION
[ ] Unauth. disposal of waste to ________ 25189.5 V0313 W____
[ ] Waste determination not made 66262.11 V0319 W____
[ ] Unlawful transport of haz. waste 25163 V0315 W____
[ ] Waste transported without manifest 66262.20 V0316 W____
[ ] Extremely Haz Waste Permit not obtained 25205.7 V0317 W____

TRAINING, CONTINGENCY PLAN & EMERGENCY PROCEDURES
[ ] Training records unavailable 66265.16 V0405 W____
[ ] Training program not adequate 66265.16 V0406 W____
[ ] Facility not designed to minimize release 66265.31 V0501 W____
[ ] Spill control equip not available 66265.32 V0508 W____
[ ] Aisle space is obstructed 66265.35 V0509 W____
[ ] Contingency plan not prepared and/or on file 66265.51, 66265.53 V0609 W____

MISCELLANEOUS
[ ] Waste oil contaminated 25250.7 V0225 W____
[ ] Used oil filters improperly managed 66266.130 V0701 W____
[ ] Damaged batteries improperly managed 66266.81 V0702 W____
[ ] Facility has failed to notify local CUPA and DTSC of onsite treatment of hazardous waste (tiered pemitting) V0125 W____
[ ] Onsite treatment of waste without authorization 25201 V0125 W____

II UNDERGROUND STORAGE TANK (UST) REQUIREMENTS:

GENERAL UST REQUIREMENTS
[ ] Health Permit not obtained 68.1005, 25284 V3002 T____
[ ] Repair/modify/close permit not obtained 68.1005 V3007 T____
[ ] UST Permit Application not submitted 25286(a) V3010 T____
[ ] Operating permit conditions violated 2712 V3011 T____
[ ] Failed to notify HMMD of changes 25284 V3012 T____
[ ] No owner/operator agreement 25284 V3005 T____
[ ] No records of financial coverage 25292.2 V3013 T____
[ ] No maint/monit/calib records available 2712(b), 2641(j) V3001 T____
[ ] Monitoring Equip. not tested annually 2630, 2641 V3003 T____

MONITORING REQUIREMENTS (SINGLE WALL)
[ ] Leak Detection Method does not meet performance standards 2643 V3014 T____
[ ] Integrity test not conducted 25292 V3015 T____
[ ] Copy of tank test not submitted to HMMD within 30 days 2643 V3016 T____
[ ] Manual tank gauging (<2000 gal) 2645 not done properly V3017 T____
[ ] Reconciliation not done properly 2646 V3018 T____
[ ] Reconciliation not approved for facility 2646 V3019 T____
[ ] Dispenser meter(s) not calib annually 2646 V3020 T____
[ ] Improper liquid measurements 2646 V3021 T____
[ ] Stick in poor condition 2646 V3022 T____
[ ] Improper monthly reconciliation 2646 V3023 T____
[ ] Failed to report excessive variation 2646 V3024 T____
[ ] Pressurized Product Piping Leak Device not tested annually 25292 V3025 T____
[ ] No written monitoring procedure 2641 V3027 T____
[ ] No written emergency response plan 2641 V3027 T____
[ ] SIR reporting incorrectly done 2646.1 V3004 T____

MONITORING REQUIREMENTS (DOUBLE WALL)
[ ] Monitoring system not functional 2632 V3026 T____
[ ] No written monitoring procedure 2632 V3027 T____
[ ] Written emergency response plan not available 2632 V3028 T____
[ ] Spill/Overfill equip. not maintained or installed 2635 V3029 T____

RELEASE REPORTING
[ ] Failure to report an unauthorized release 25295 V3009 T____
[ ] Release record log not available 2651, 2650 V3030 T____
[ ] No leak report/investigation/action 2652 V3031 T____

CLOSURE
[ ] Temporary closure req. not completed 2671 V3006 T____
[ ] Unused tank not properly closed 25298 V3032 T____
[ ] Permanent closure req. not completed 2672 V3033 T____
[ ] Failed to apply for temporary closure 25298 V3008 T____

III HAZARDOUS MATERIALS BUSINESS PLAN REQUIREMENTS:

RECORD KEEPING
[ ] Health Permit not obtained SDCC 68.1105 V2001 W____
[ ] Business Plan not established/implemented 25503.5 V2002 W____
[ ] Business Plan not submitted to HMMD 25505 V2007 W____
[ ] Business Plan not amended 25505 V2003 W____
[ ] Personnel Training Records not available 19 CCR 2732 V2302 W____

RELEASE REPORTING
[ ] Failure to report a release/threatened release 25507 V2008 W____

BUSINESS PLAN ELEMENTS
[ ] Emergency Response Plan inadequate 25504 V2201 W____
[ ] Emergency Contacts not provided/current 25509 V2203 W____
[ ] Personnel Training Program inadequate 25504 V2301 W____
[ ] Inventory is incomplete 25504 V2005 W____
[ ] Site Map is not sufficient 25509 V2202 W____
[ ] Acutely Haz. Mat. not registered 25533 V2009 W____

ALL VIOLATIONS MUST BE CORRECTED. PLEASE CALL (619) 338-2222 OR YOUR INSPECTOR IF YOU HAVE ANY QUESTIONS.

Ronald G. Velarde	7-10-97	MARINE BIOLOGIST III
ESTABLISHMENT REPRESENTATIVE	DATE SIGNED	TITLE

Department of Environmental Health, Hazardous Materials Management Division, P. O. Box 85261, San Diego, CA 92186-5261

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

DEH:HM-923 (Rev. 10/96) NCR

INDUSTRY INSPECTION ADDENDUM REPORT

ESTABLISHMENT # H 34185 DATE 7/10/97

INSPECTOR Paredes SDCty Marine Biology Lab

Ron Velarde permit exp 11/30/97
HMBP on site

✓ waste etOH 11 ~~drums~~ DM1 5g
emp training doc
observed

✓ waste formaldehyde
11 DM1 5g
1 DP1 5g

✓ waste acetone 1 GB

✓ Laidlaw Envr Svc
2/21/97 65g ethanol WC212
40g formalin + seawater WC134 WC343

✓ 7/22/96 40g Pac Lint WC212
30g WC343, 134

✓ 3/26/96 waste acetone WC214 Pac Lint
4g

✓ 1/31/96 WC212 2g acetone Pac Lint
WC212 etOH 50g
WC343 30g

County of San Diego
Department of Environmental Health

DEH:HM-9016 (1/95)

File #H 34185

INSPECTION DATE: 12/8/99

Processed 1-28-00 File

County of San Diego

GARY ERBECK
DIRECTOR

RICHARD HAAS
ASSISTANT DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH

P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377

INSPECTION REPORT FOR GENERATORS
Permit by Rule, Conditionally Authorized, and Conditionally Exempt Facilities

FACILITY NAME: SDCTY-MARINE BIOLOGY LAB
PHYSICAL ADDRESS: 4918 N HARBOR DR #101 SAN DIEGO 92106
FACILITY CONTACT-NAME: RON VELARDE PHONE: (619) 692-4939
SIC CODES(S): 9511
*GENERATOR: CESQG X SQG ___ LQG ___
NOTIFIED UNIT COUNT: PBR ___ CA ___ CESW ___ CESQT 1 CEL ___ TOTAL 1
CORRECT UNIT COUNT: PBR ___ CA ___ CESW ___ CESQT 1 CEL ___ TOTAL 1

This checklist and inspection report identifies violations of State law regarding onsite treaters of hazardous waste, operating under an onsite permitting tier. This inspection verifies compliance with information provided on form 1772. It also covers generator requirements, although a separate checklist may be used for those requirements. A checkmark indicates a violation of the law, which is explained in more detail on the attached inspection sheets. The governing laws are the Health and Safety Code (HSC) and Title 22 of the California Code of Regulations (22 CCR).

DEC 28 1999

GENERATOR STANDARDS:

	NO		
V0609	___	1.	**Contingency plan** has been prepared (adequately minimizes releases, has alarm/communication system, lists emergency equipment, name and phone numbers of emergency coordinators).
V0405	___	2.	**Written training documents** and records prepared for employees handling hazardous waste.
V0210	___	3.	**Meet container management standards** (storage time limits, closed, labeled, compatibility, inspected weekly, in good condition, with ignitables/reactives 50 feet from property line).
V0804	___	4.	**Meet tank management standards** (either secondary containment or integrity assessments, plus storage time limits, labeled, compatibility, inspected daily, in good condition, with ignitables/reactives 50 feet from property line).
V0319	___	5.	**Hazardous waste determination** (hazardous by testing the waste or applying knowledge of characteristics).
V0105	___	6.	**EPA identification number** (generator has an EPA identification number).**
V0509	___	7.	**Aisle space** is maintained to allow for the unobstructed movement of personnel, fire protection equipment, spill control equipment, and the decontamination equipment in an emergency.
V0221	___	8.	**Accumulation of hazardous waste** is appropriate for the time allowed. (LQG <90 days; SQG 180 or 270 days or less if the waste for transportation >200 miles, and waste on site <6000 kg at any time; CESQG, 90 days clock starts when 100 kg of hazardous waste or 1 kg of acutely hazardous waste is accumulated).
V0118	___	9.	**Manifest standards** (copies of manifest on site for at least 3 years, within 30 days of each shipment submit to the Department a legible copy of each manifest used, generator and waste sections completed, transported hazardous waste without/ incomplete manifest).
V0216	___	10.	**Inspection standards** for hazardous waste accumulation area (container-weekly and tanks-daily).

Inspection Report (A)

DEH:HM-930 (10/98) NCR

"Prevention Comes First"

DISTRIBUTION: WHITE-HMMD COPY
YELLOW-BUSINESS RETAINS

DATE: 12/8/99

e #H 34185

NO

V0118	______	11.	**Milk run standards** (generator has retained copies of shipping paper/receipt for 3 years, retained copies of used oil/oil filters/photo processing waste/antifreeze/automotive cleaning parts solvents receipts for 3 years.
V0123	______	12.	**Land disposal restrictions standards** (LDR), (generator has determined whether waste is restricted for land disposal, notified for LDR waste, retained LDR notification/certification).
V0122	______	13.	**Biennial Report / exception report** submitted to the Department and retained for 3 years. (Biennial report for LQG generators of RCRA hazardous waste only)

Treatment Items-Facility Wide; (*Facility must submit a revised Form 1772 to correct errors or omissions.)*

V0806	______	14.	All units under PBR, CA, and CE are properly indicated on Form DTSC 1772. (Add any new units with unit sheets or correct tier on the unit sheet.)
V0807	______	15.	All generator identification information on Form DTSC 1772 is correct.
V0808	______	16.	The submitted plot plan/map adequately shows the location of all regulated units.
V0809	______	17.	There are records documenting compliance with sewer agency **pretreatment standards** and industrial waste discharge requirements, where applicable.

For CA or PBR notifiers:

V0833	______	18.	The generator has an annual **waste minimization** certification. (PBR submit with renewals.)

* CESQG: Generating <100 kg of hazardous waste or 1 kg of acutely hazardous waste in a calendar month.
* SQG: Generating <1000 kg of hazardous waste in a calendar month.
* LQG: Generating >1000 kg of hazardous waste in a calendar month.

** No EPA I.D. number required for generators who generate <100 kg/month of hazardous waste and are engaged solely in used oil & solvents milk run activities in California.

Inspection Report (A)

DATE: 12/8/97

File #H 34185

County of San Diego

GARY ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377

RICHARD HAAS
ASSISTANT DIRECTOR

INSPECTION REPORT FOR GENERATORS,
Permit by Rule, Conditionally Authorized, and Conditionally Exempt Facilities
UNIT SHEET

Complete one unit sheet for each unit either listed in the notification or identified during the inspection.

Unit Number: N/
Unit Name: PH NEUTRALIZATION
Notified Tier: CESQT
Correct Tier: CESQT
Notified Device Count: Tanks ____ Containers 1
Correct Device Count: Tanks ____ Containers 1

For all Units:

	NO		
V0810		19.	All hazardous wastes treated are **generated onsite.**
V0811		20.	The unit notification information is accurate as to the number of **tank(s) or container(s).**
V0812		21.	The estimated notification **monthly treatment volume** is appropriate for the indicated tier.
V0813		22.	The **waste identification/evaluation** is appropriate for the tier indicated.
V0814		23.	The **wastestream(s)** given on the notification form are appropriate for the tier.
V0815		24.	The **treatment process(es)** given on the notification form are appropriate for the tier.
V0816		25.	The **residuals management** information on the form is correct and document for the unit.
V0818		26.	The indicated **basis for not needing a federal permit** on the notification form is correct.
V0819		27.	There are **written operating instructions** and a record of the dates, volumes, residual management, and types of wastes treated in the unit.
V0820		28.	There is a **written inspection schedule** (containers-weekly and tanks-daily).
V0821		29.	There is a written inspection log of the inspections conducted.
V0822		30.	If the unit has been closed, the generator **has notified DTSC and the local agency of the closure.**

For each CA or PBR unit:

V0823		31.	The generator has **secondary containment** for treatment in containers and tanks (due by 1/24/98).
V0729		32.	**Financial Assurance** for closure cost estimates (due by 10/1/96) & submit by (1/1/97).
V0730		33.	**Phase I Environmental Assessment Checklist** (due by 1/1/97) or within one year of the date when facility is authorized to operate, whichever is later.

For each PBR unit:

V0731		34.	**The exterior of each unit is marked** with name of owner/operator, facility **identification number and an individual serial number.**
V0824		35.	There is a written **waste analyis plan.**
V0825		36.	There are **waste analysis records.**
V0826		37.	There is a written **closure plan** for the unit.

Unit Comments/Observations: (If this is a unit that was not included on the notification form, the violation is operating without a permit-HSC 25201(a).)

Inspection Report (B)

DATE: 12/8/99 File #H 34185

County of San Diego

GARY ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377

RICHARD HAAS
ASSISTANT DIRECTOR

INSPECTION REPORT FOR GENERATORS,
Permit by Rule, Conditionally Authorized, and Conditionally Exempt Facilities
SIGNATURE SHEET

Onsite Recycling: *Only answer if this facility recycles ≥100 kilograms/month of hazardous waste onsite.*

V0827 V0736	______ 38.	The appropriate local agency has been notified.
	______ 39.	All Activities claimed under the onsite **recycling exemption or exclusions are appropriate**.

Releases: YES

V0828	______ 40.	Within the last three years, were there any **unauthorized or accidental releases to the environment** of hazardous waste or hazardous waste constituents **from onsite treatment units**?
V0829	______ 41.	Within the last three years, were there any **unauthorized or accidental releases to the environment** of hazardous waste or hazardous waste constituents **from any location at this facility**?

For purposes of a Tiered Permitting inspection, a release to the environment is unauthorized or accidental and does not include spills contained within containment systems.

12,000 25244.15

Source Reduction: *Only answer if this facility generates ≥~~5,000~~ kilograms/year of hazardous waste onsite.*

V0832 V0831	______ 42.	Generator is subject to **SB14** and has failed to prepare and retain current **source reduction documents**, or compliance checklist for small businesses as applicable, or make them available to the inspector within (5) days.
	______ 43.	**Source Reduction Evaluation Review and Plan** failed to contain, at a minimum, of the following five required elements: certification, amounts of wastes generated, process description, block diagrams, and implementation schedule of selected source reduction measures.

This report identifies conditions observed this date that are violations of one or more sections of the California Health an Safety Code (HSC) or the California Code of Regulations, Title 22 (22 CCR) relating to the management of hazardous waste. The violations my be described in more detail on the attached sheets. If any violations are noted, the facility is required to submit a signed Certification of Return to Compliance with 30 days, unless otherwise specified. If any corrections are needed to the initial notification, the facility must submit a revised notification within 30 days to the Department of Toxic Substances Control (DTSC) and to the County of San Diego Hazardous Materials Management Division. The County of San Diego may reinspect, at any time, to verify compliance with this Notice to Comply.

Inspector:
Signature: Edgar Paredes Phone Number: (858) 694-3066

Facility Representative:
Your signature acknowledges receipt of this report
Signature: Ronald G. Velarde Print Name: RONALD G. VELARDE
Title: MARINE BIOLOGIST III Date: 8 DECEMBER 1999

Inspection Report (C)

DEH:HM-930 (10/98) NCR

County of San Diego
Department of Environmental Health

DISTRIBUTION: WHITE-HMMD COPY
YELLOW-BUSINESS RETAINS

COUNTY OF SAN DIEGO

SUPPLEMENTAL INSPECTION REPORT

EST. NUMBER H 34185
DATE 12/8/99
PAGE 5 OF 5

Office Use Only

BUSINESS ADDRESS: 4918 N HARBOR DR #101 SAN DIEGO ZIP CODE: 92106

REMARKS:

- WRITTEN OPERATING INSTRUCTIONS, NEUTRALIZATION LOG, WRITTEN INSPECTION SCHEDULE AND LOG ARE ON SITE.

- CALIFORNIA HEALTH & SAFETY CODE SECTION 25200.3.1(C) EXEMPTS CERTAIN LABORATORY HAZARDOUS WASTE TREATMENT. IF THIS LAB SATISFIES ALL THE REQUIREMENTS OF THIS SECTION, TIERED PERMITTING AUTHORIZATION WILL NOT BE REQUIRED. SUBMIT WRITTEN CORRESPONDENCE TO WITHDRAW TIERED PERMITTING AUTHORIZATION FOR THE PH NEUTRALIZATION UNIT NUMBER N1, PURSUANT TO CALIF. H&SC 25200.3.1(C).

Ronald S. Velarde — Signature of Business Representative
12/8/99 — Date Signed
MARINE BIOLOGIST III — Title

THE CITY OF SAN DIEGO

RECEIVED
JUN 25 12 39 PM '99
ENVIRONMENTAL
HEALTH SERVICES

File H34185
E Paredes
6/29/99

June 22, 1999

Ed Paredes
County of San Diego
Hazardous Materials Division
P.O. Box 129261
San Diego, CA 92112-9261

Dear Mr. Paredes:

Subject: Revised Business Plan for the Marine Biology Laboratory (H-34185)

Enclosed is the revised business plan for the Metropolitan Wastewater Department's Marine Biology Laboratory located at 4918 North Harbor Drive, San Diego, CA 92106. The site map revisions reflect the expansion of the Toxicity Lab into Suite 106A.

If you have any questions, please contact me at (858) 573-1280.

Sincerely,

KIRK GALARNEAU
Hazardous Materials Inspector

Enclosure

cc: Patty Vainik, Metropolitan Wastewater Department, Environmental Monitoring and Technical Services Division

Environmental Services Department • Public Works Business Center
9601 Ridgehaven Court • San Diego, CA 92123-1636

Environmental Programs Division • Suite 320 Tel (619) 492-5010 Fax (619) 492-5089
Refuse Collection Division • Suite 120 Tel (619) 492-5059 Fax (619) 492-5068
Refuse Disposal Division • Suite 310 Tel (619) 492-5020 Fax (619) 492-5041

DIVERSITY BRINGS US ALL TOGETHER

COUNTY OF SAN DIEGO

EST. NO. H 34185
DATE 6/10/99
TIME START 12:02 END 2:05
BUS. CODE K67
SPECIALIST E. PAREDES
CONTACT RONALD VELARDE
TITLE MARINE BIOLOGIST III
PHONE 692-4939

COMPLIANCE INSPECTION REPORT

BUSINESS NAME SDCTY-MARINE BIOLOGY LAB
ADDRESS 4918 N HARBOR DR #101
CITY/ZIP SAN DIEGO 92106

On the above date an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (H&S) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

Office Use Only

JUN 24 1999

FILE 6.30.99

ROUTINE INSPECTION

- HAZARDOUS WASTE MANIFESTS ON FILE.
- HAZARDOUS MATERIALS BUSINESS PLAN ONSITE.
- HEALTH PERMIT EXPIRES 11-30-99.

Ronald S. Velarde — Signature of Business Representative
6/10/99 — Date Signed
MARINE BIOLOGIST III — Title

COUNTY OF SAN DIEGO

EST. NUMBER H 34185

COMPLIANCE INSPECTION REPORT

DATE 6/10/99

PAGE 2 OF 2

BUSINESS ADDRESS: 4918 N HARBOR DR #101 SAN DIEGO 92106

VIOLATION REPORT: The items checked below refer to specific section numbers of Titles 19/22/23 of the California Code of Regulations (CCR), Chapters 6.5, 6.7, 6.95 of the Health and Safety Code (HSC), and/or the San Diego County Code (SDCC).

I HAZARDOUS WASTE REQUIREMENTS:

RECORD KEEPING
- [ ] Health Permit not obtained SDCC 68.905 — V0108 W____
- [ ] No EPA Identification Number 66262.12 — V0105 W____
- [ ] Waste Manifests/Receipts not on-site for 3 years 66262.40 — V0118 W____
- [ ] Manifest not properly completed 66262.23 — V0120 W____
- [ ] Manifest copy not sent to DTSC 66262.23 — V0115 W____
- [ ] TSDF signed-manifest not on-site 66262.40 — V0121 W____
- [ ] Biennial report not sent to DTSC 66262.41 — V0122 W____
- [ ] LDR Documentation not available 66268.7 — V0123 W____
- [ ] Exception Rpt. not filed with DTSC 66262.42 — V0116 W____
- [ ] Operating TSDF without authorization 25201 — V0124 W____

STORAGE AND HANDLING
- [ ] Waste stored longer than 90, 180, or 270 days 66262.34 — V0221 W____
- [ ] Failure to clean up hazwaste off of floor surface 66262.10b — V0313 W____
- [ ] Waste container missing/improperly labeled 66262.34 — V0222 W____
- [ ] Haz Materials not properly labeled 25124 — V0223 W____
- [ ] Waste container not kept closed 66265.173 — V0202 W____
- [ ] Waste container in poor condition 66265.171 — V0205 W____
- [ ] Waste container(s) not properly managed 66265.173 — V0210 W____
- [ ] Damaged container not repackaged 66265.171 — V0226 W____
- [ ] Container incompatible with waste 66265.172 — V0207 W____
- [ ] Incompatibles in the same container 66265.177 — V0224 W____
- [ ] Incompatibles not stored separately 66265.177 — V0213 W____
- [ ] Ignitible Waste less than 50 feet 66265.176 — V0214 W____
- [ ] Ignitible Waste not grounded 66265.31 — V0215 W____
- [ ] Storage area not inspected weekly 66265.174 — V0216 W____

DISPOSAL AND TRANSPORTATION
- [ ] Unauth. disposal of waste to ________ 25189.5 — V0313 W____
- [ ] Waste determination not made 66262.11 — V0319 W____
- [ ] Unlawful transport of haz. waste 25163 — V0315 W____
- [ ] Waste transported without manifest 66262.20 — V0316 W____
- [ ] Extremely Haz Waste Permit not obtained 25205.7 — V0317 W____

TRAINING, CONTINGENCY PLAN & EMERGENCY PROCEDURES
- [ ] Training records unavailable 66265.16 — V0405 W____
- [ ] Training program not adequate 66265.16 — V0406 W____
- [ ] Facility not designed to minimize release 66265.31 — V0501 W____
- [ ] Spill control equip not available 66265.32 — V0508 W____
- [ ] Aisle space is obstructed 66265.35 — V0509 W____
- [ ] Contingency plan not prepared and/or on file 66265.51, 66265.53 — V0609 W____

MISCELLANEOUS
- [ ] Waste oil contaminated 25250.7 — V0225 W____
- [ ] Used oil filters improperly managed 66266.130 — V0701 W____
- [ ] Damaged batteries improperly managed 66266.81 — V0702 W____
- [ ] Facility has failed to notify local CUPA and DTSC of onsite treatment of hazardous waste (tiered pemitting) — V0125 W____
- [ ] Onsite treatment of waste without authorization 25201 — V0125 W____

II UNDERGROUND STORAGE TANK (UST) REQUIREMENTS:

GENERAL UST REQUIREMENTS
- [ ] Health Permit not obtained 68.1005, 25284 — V3002 T____
- [ ] Repair/modify/close permit not obtained 68.1005 — V3007 T____
- [ ] UST Permit Application not submitted 25286(a) — V3010 T____
- [ ] Operating permit conditions violated 2712 — V3011 T____
- [ ] Failed to notify HMMD of changes 25284 — V3012 T____
- [ ] No owner/operator agreement 25284 — V3005 T____
- [ ] No records of financial coverage 25292.2 — V3013 T____
- [ ] No maint/monit/calib records available 2712(b), 2641(j) — V3001 T____
- [ ] Monitoring Equip. not tested annually 2630, 2641 — V3003 T____

MONITORING REQUIREMENTS (SINGLE WALL)
- [ ] Leak Detection Method does not meet performance standards 2643 — V3014 T____
- [ ] Integrity test not conducted 25292 — V3015 T____
- [ ] Copy of tank test not submitted to HMMD within 30 days 2643 — V3016 T____
- [ ] Manual tank gauging (<2000 gal) 2645 not done properly — V3017 T____
- [ ] Reconciliation not done properly 2646 — V3018 T____
- [ ] Reconciliation not approved for facility 2646 — V3019 T____
- [ ] Dispenser meter(s) not calib annually 2646 — V3020 T____
- [ ] Improper liquid measurements 2646 — V3021 T____
- [ ] Stick in poor condition 2646 — V3022 T____
- [ ] Improper monthly reconciliation 2646 — V3023 T____
- [ ] Failed to report excessive variation 2646 — V3024 T____
- [ ] Pressurized Product Piping Leak Device not tested annually 25292 — V3025 T____
- [ ] No written monitoring procedure 2641 — V3027 T____
- [ ] No written emergency response plan 2641 — V3027 T____
- [ ] SIR reporting incorrectly done 2646.1 — V3004 T____

MONITORING REQUIREMENTS (DOUBLE WALL)
- [ ] Monitoring system not functional 2632 — V3026 T____
- [ ] No written monitoring procedure 2632 — V3027 T____
- [ ] Written emergency response plan not available 2632 — V3028 T____
- [ ] Spill/Overfill equip. not maintained or installed 2635 — V3029 T____

RELEASE REPORTING
- [ ] Failure to report an unauthorized release 25295 — V3009 T____
- [ ] Release record log not available 2651, 2650 — V3030 T____
- [ ] No leak report/investigation/action 2652 — V3031 T____

CLOSURE
- [ ] Temporary closure req. not completed 2671 — V3006 T____
- [ ] Unused tank not properly closed 25298 — V3032 T____
- [ ] Permanent closure req. not completed 2672 — V3033 T____
- [ ] Failed to apply for temporary closure 25298 — V3008 T____

III HAZARDOUS MATERIALS BUSINESS PLAN REQUIREMENTS:

RECORD KEEPING
- [ ] Health Permit not obtained SDCC 68.1105 — V2001 W____
- [ ] Business Plan not established/implemented 25503.5 — V2002 W____
- [ ] Business Plan not submitted to HMMD 25505 — V2007 W____
- [ ] Business Plan not amended 25505 — V2003 W____
- [ ] Personnel Training Records not available 19 CCR 2732 — V2302 W____

RELEASE REPORTING
- [ ] Failure to report a release/threatened release 25507 — V2008 W____

BUSINESS PLAN ELEMENTS
- [ ] Emergency Response Plan inadequate 25504 — V2201 W____
- [ ] Emergency Contacts not provided/current 25509 — V2203 W____
- [ ] Personnel Training Program inadequate 25504 — V2301 W____
- [ ] Inventory is incomplete 25504 — V2005 W____
- [ ] Site Map is not sufficient 25509 — V2202 W____
- [ ] Acutely Haz. Mat. not registered 25533 — V2009 W____

ALL VIOLATIONS MUST BE CORRECTED. PLEASE CALL (619) 338-2222 OR YOUR INSPECTOR IF YOU HAVE ANY QUESTIONS.

Ronald D. Velarde	6/10/99	MARINE BIOLOGIST III
ESTABLISHMENT REPRESENTATIVE	DATE SIGNED	TITLE

Department of Environmental Health, Hazardous Materials Management Division, P. O. Box 129261, San Diego, CA 92112-9261

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

DEH:HM-923 (Rev. 1/98) NCR

THE CITY OF SAN DIEGO

File H34185
EParedes
2/2/00

January 11, 2000

Ed Paredes
Department of Environmental Health
Hazardous Materials Division
P.O. Box 129261
San Diego, CA 92112-9261

Dear Mr. Paredes:

Subject: Removal of Alvarado Combined Laboratory (H-21479) and Marine Biology Laboratory (H-34185) from Tiered Permitting Program

The Alvarado Combined Laboratory and the Marine Biology Laboratory are currently under permit for onsite neutralization of acidic wastes. The Alvarado Laboratory is permitted under the Conditionally Exempt-Specified Wastestream tier and the Marine Biology Laboratory is permitted under the Conditionally Exempt-Small Quantity Treatment tier.

On December 8 & 10, 1999, you conducted Tiered Permitting Inspections of the Marine Biology Laboratory and Alvarado Combined Laboratory respectively. During these inspections, you indicated that each site may qualify for an exemption from tiered permitting regulations pursuant to Health and Safety Code, Section 25200.3.1(c). After review of this exemption, I have determined that the Marine Biology Laboratory and the Alvarado Combined Laboratory both qualify for this exemption. Therefore, I would like to request both sites be removed from the Tiered Permitting Program.

Enclosed is a table indicating the units to be deactivated at each location. If you require any additional information to process this request, please contact me at (858) 573-1280.

Sincerely,

Kirk Galarneau

Kirk Galarneau
Hazardous Materials Inspector

Enclosure

cc: John Chaffin, Water, Water Operations Division
Walter Konopka, Metropolitan Wastewater, Environmental Monitoring and Technical Services Division
Patty Vainik, Metropolitan Wastewater, Environmental Monitoring and Technical Services Division
Armando Villarino, Metropolitan Wastewater, Environmental Monitoring and Technical Services Division

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 2 DATE 5/30/02
PERMIT # 134185
TIME START 930 END 1300
BUS. CODE K67
SPECIALIST MEKE MANN
INSPECTION CONTACT/TITLE
RONALD VELARDE/ASST FAC EMER COORD
PHONE: (619) 758-2329

BUSINESS NAME SDCTY MARINE BIOLOGY LAB
ADDRESS 4918 N. HARBOR DR. #101
CITY/ZIP SAN DIEGO 92106

JUN 20 2002

On the above date, an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (HSC) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

Y	N/A		Y	N/A	
☑	☐	Unified Facility Permit current and available			Permit Expires on: 11/30/02
☑	☐	Hazardous Materials Business Plan available	☐	☐	Contingency Plan available
☑	☐	Employee Training is adequate	☑	☐	Employee Training records available
☑	☐	Waste disposal records available for review	☑	☐	Waste containers kept closed
☐	☐	Emergency contacts current ☑ Updated today	☑	☐	Waste containers kept labeled
☐	☑	Chemical inventory current ☐ Updated today	☑	☐	Waste containers in good condition

ROUTINE INSPECTION

NOTICE TO COMPLY:

1 THE FORMALIN SOLUTION REMAINING IN THE SEDIMENT SAMPLE IS RINSED WITH WATER AND THEN THE RINSATE IS DISCARDED TO THE SEWER. THIS ACTION IS TREATMENT OF A HAZARDOUS WASTE.
- CORRECTIVE ACTION: WITHIN 30 DAYS, SUBMIT NOTIFICATION TO THE DEH* REGARDING YOUR INTENTIONS/ACTIONS TO TREAT HAZARDOUS WASTE ONSITE.

2 SEVERAL HAZARDOUS MATERIALS CONTAINERS LOCATED INSIDE THE FLAMMABLE STORAGE LOCKER OF ROOM 107 (BOAT MAINTENANCE SUPPLY CABINET) ARE DAMAGED AND DO NOT APPEAR TO BE SOUND.
- CORRECTIVE ACTION: WITHIN 96 HOURS, REPACKAGE THE HAZARDOUS MATERIALS INTO SOUND LEAKPROOF CONTAINERS FOR REUSE OR MANAGE THEM AS A HAZARDOUS WASTE AND USE A REGISTERED HAULER FOR THEIR PROPER DISPOSAL.

REMARK: UPGRADE LARRY'S TRAINING.

☒ This is an annual certification that the Hazardous Materials Business Plan (inventory, emergency contacts, emergency response plan, and employee training plan) is current and includes all the information required in the H&SC and is maintained at the site where hazardous materials are stored.

Initials of Business Representative: RV

Ronald S. Velarde — 5/30/2002 — MARINE BIOLOGIST III
Signature of Business Representative — Date Signed — Title

*

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PERMIT # 134185
DATE 5/30/02
PAGE 2 **OF** 2

BUSINESS ADDRESS: 4918 N. HARBOR DR #101, SAN DIEGO **ZIP:** 92106

VIOLATION REPORT: The items checked below refer to specific section numbers of Titles 19 & 22 of the California Code of Regulations (CCR), Chapters 6.5, 6.95 of the Health and Safety Code (HSC), and/or the San Diego County Code (SDCC).

All violations must be corrected. Submit documentation of return to compliance to your Specialist. You may use the Corrective Action Form to document your return to compliance. Your Specialist can provide these forms. Please call (619) 338-2222 or your Specialist if you have any questions.

HAZARDOUS WASTE REQUIREMENTS

RECORDKEEPING

Viol #		VIOL	VIOLATION DESCRIPTION
	☐	V0131	UFP Permit not obtained SDCC. 68.905
	☐	V0132	No EPA Identification Number. 66262.12
	☐	V0133	Manifest copy not sent to DTSC. 66262.23
	☐	V0134	Exception Rpt. not filed with DTSC. 66262.42
	☐	V0135	Waste Manifests/Receipts not on-site for 3 years. 66262.40
	☐	V0136	No records of battery disposal. 66262.81
	☐	V0137	Manifest not properly completed. 66262.23
	☐	V0138	TSDF signed-manifest not on-site. 66262.40
	☐	V0139	Biennial report not sent to DTSC. 66262.41
	☐	V0140	LDR Documentation not available. 66268.7
	☐	V0141	Operating TSDF without authorization. 25201
1	☒	V0142	Failed to notify local CUPA of onsite treatment of hazardous waste. 25201
	☐	V0143	Tiered Permitting notification has incomplete or incorrect information. 25201
	☐	V0144	SB14 compliance doc. not available. 25244.19
	☐	V0145	Excluded recyclable materials report not submitted to HMD. 25143.10

STORAGE AND HANDLING

Viol #		VIOL	VIOLATION DESCRIPTION
	☐	V0201	Waste container not kept closed. 66265.173
	☐	V0202	Waste container missing/improperly labeled. 66262.34, 25143.9
2	☒	V0203	Damaged container not repackaged. 66265.171
	☐	V0204	Waste container not properly managed. 66265.173
	☐	V0205	Waste container in poor condition. 66265.171
	☐	V0206	Ignitable Waste < 50 feet of property line. 66265.176
	☐	V0207	Ignitable Waste not grounded. 66265.31
	☐	V0208	Storage area not inspected weekly. 66265.174
	☐	V0209	Waste stored > 90, 180, or 270 days. 66262.34
	☐	V0210	Hazwaste not cleaned up off floor surface. 66262.10b
	☐	V0211	Incompatibles in the same container. 66265.177
	☐	V0212	Incompatibles not stored separately. 66265.177
	☐	V0213	Container incompatible with waste. 66265.172
	☐	V0214	Waste oil contaminated. 25250.7
	☐	V0215	Used oil filters improperly managed. 66266.130
	☐	V0216	Hazardous materials not properly labeled. 25124

DISPOSAL AND TRANSPORTATION

Viol #		VIOL	VIOLATION DESCRIPTION
	☐	V0301	Unauth. disposal of waste to:__________. 25189.5
	☐	V0302	Unlawful transportation of hazardous waste. 25163
	☐	V0303	Waste transported without a manifest. 66262.20
	☐	V0304	Waste determination not made. 6262.11

TRAINING, CONTINGENCY PLAN & ER PROCEDURES

Viol #		VIOL	VIOLATION DESCRIPTION
	☐	V0401	Training records unavailable. 66265.16
	☐	V0402	Training program not adequate. 66265.16
	☐	V0403	Facility not designed to minimize release. 66265.31
	☐	V0404	Spill control equip not available. 66265.32
	☐	V0405	Aisle space is obstructed. 66265.35
	☐	V0406	Contingency plan not prepared and/or on file. 66265.51, 66265.53

HAZARDOUS WASTE TANK SYSTEMS

Viol #		VIOL	VIOLATION DESCRIPTION
	☐	V1601	Hazwaste tanks w/o P.E. assessment. 66265.191a, 66265.192a
	☐	V1602	P.E. Assessment report not complete. 66265.191g, 66265.192k
	☐	V1603	Hazwste tank system: no secondary containment. 66265.193a
	☐	V1604	Secondary containment not kept empty. 66265.196(b)(c), 66265.194(c)
	☐	V1605	No daily tank inspection/inspect. log 66265.195 (b&c)
	☐	V1606	Improper or absent spill/overfill protection. 66265.194b
	☐	V1607	Improper corrosion protection. 66265.191, 66265.192
	☐	V1608	Integrity assessment not done for 2ndary containment system. 66265.191
	☐	V1609	Improper use of hazardous waste tank system. 66265.196
	☐	V1610	No PE assessment report for repairs/changes. 66265.196g
	☐	V1611	Improper closure of haz waste tank unit. 67383.3, 66265.197

HAZARDOUS MATERIALS REQUIREMENTS

BUSINESS PLAN REQUIREMENTS

Viol #		VIOL	VIOLATION DESCRIPTION
	☐	V1001	UFP permit not obtained for Haz. Materials. 68.905
	☐	V1002	Hazardous Materials Business Plan (HMBP) not established/implemented. 25503.5
	☐	V1003	HMBP not amended to reflect changes25505
	☐	V1004	HMBP not submitted to HMD. 25505
	☐	V1005	Emergency Contacts not provided/current. 25509
	☐	V1006	Inventory is incomplete. 25504
	☐	V1007	Highly toxic gas (TLV≤10 ppm) not disclosed in chemical inventory. 68.1113
	☐	V1008	Annual carcinogen & reproductive toxin list not submitted to HMD 68.1113
	☐	V1009	Site map is not sufficient. 25509
	☐	V1010	Failure to report a release/threatened release 25507
	☐	V2504	Owner or operator (O/O) Stationary Source (SS) with >TPQ of a regulated substance (RS) did not comply with Chapter 4.5 (CalARP process). 2745.1
	☐	V2553	O/O of a new or modified SS with >TPQ of RS did Not submit RMP. 2735.4, 25535 (d)

Ronald J. Velarde — SIGNATURE OF BUSINESS REPRESENTATIVE

5/30/2002 — DATE SIGNED

MARINE BIOLOGIST III — TITLE OF BUSINESS REPRESENTATIVE

THE CITY OF SAN DIEGO

RECEIVED
2002 JUL 22 AM 8 56
D. E. H.
MAILROOM

July 18, 2002

Michael Mann, R.E.H.S
San Diego Department of Environmental Health
Hazardous Materials Division
P.O. Box 129261
San Diego, CA 92112-9261

Dear Mr. Mann:

Subject: Marine Biology Lab Regulatory Inspection (H-34185)

This letter is to document the actions taken since the May 30, 2002 County regulatory inspection at the Marine Biology Lab. Based on multiple telephone and in person conversations with the DEH over the past month and a half, this letter summarizes the City's findings and our agreed upon resolution of the formaldehyde issue.

Notice to comply: The formalin solution remaining in the sediment sample is rinsed with water and then the rinsate is discarded to the sewer. This action is treatment of a hazardous waste.
Analytical results show the formaldehyde concentration in the sediment rinsate to be 95 mg/L. This concentration is well below the 500 mg/L hazardous waste regulatory threshold limit noted in the "Formaldehyde Treatment Technologies Re-Certification Evaluation Report" written by the DTSC in August 3, 2001.

Therefore, the City concludes the sediment rinsate is not a hazardous waste.

The laboratory process that generates this waste consists of an "ocean floor sediment sample" which has been fixed with formaldehyde (note: prior to fixing, the sample is sieved to remove particles less than 1 mm in size).

The initial fixing solution, containing higher concentrations of formaldehyde, is poured off and handled as hazardous waste. The sediment sample is rinsed with tap water, which removes any formaldehyde solution remaining in the pore spaces of the sediment. This tap water rinsate was the focus of the "Notice to comply".

Environmental Protection Division • Environmental Services Department
9601 Ridgehaven Court, Suite 310 • San Diego, CA 92123
Tel (858) 492-5051 Fax (858) 492-5041

Notice to comply: Several hazardous materials containers located inside the flammable storage locker of Room 107 (boat maintenance supply cabinet) are damaged and do not appear sound.
Facility staff has determined that the contents were waste. The contents have been disposed of by our hazardous waste disposal contractor.

If you have any questions or need further information, please contact me at (858) 492-5043.

Sincerely,

Susan Chin

Susan Chin
Hazardous Materials Inspector

SC/sac

Enclosure

cc: Alan Langworthy, Metropolitan Wastewater, MS 45A
Larry Wasserman, Metropolitan Wastewater, MS 45A

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 1 DATE 11/25/03
PERMIT # 134185
TIME START 930 END 1109
BUS. CODE K67
SPECIALIST MIKE MANN
INSPECTION CONTACT/TITLE
RON VELARDE / MARINE BIOLOGIST III
PHONE: (619) 758-2331
prsd 1/16/04 m. Martinez

BUSINESS NAME SDCTY MARINE BIOLOGY LAB
ADDRESS 4918 N. HARBOR DR. #101
CITY/ZIP SAN DIEGO 92106

On the above date, an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (HSC) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

Y	N/A		Y	N/A	
☑	☐	**Unified Program Facility Permit current and available**			**Permit Expires on:** 30/NOV/03.
☑	☐	**Hazardous Materials Business Plan available**	☑	☐	**Contingency Plan available**
☑	☐	**Employee Training is adequate**	☑	☐	**Employee Training records available**
☑	☐	**Waste disposal records available for review**	☑	☐	**Waste containers kept closed**
☐	☐	**Emergency contacts current** ☑ **Updated today**	☑	☐	**Waste containers kept labeled**
☑	☐	**Chemical inventory current** ☐ **Updated today**	☑	☐	**Waste containers in good condition**

ROUTINE INSPECTION

DEC 17 2003

- NO VIOLATIONS WERE OBSERVED DURING THIS INSPECTION.

- PLEASE ENSURE THAT EMPLOYEE ANNUAL REFRESHER TRAINING IS CONDUCTED.

- PLEASE SUBMIT AN ANNUAL CARCINOGEN INVENTORY LIST TO THE DEH* WITHIN 30 DAYS.

☐ **This is an annual certification that the Hazardous Materials Business Plan (inventory, emergency contacts, emergency response plan, and employee training plan) is current and includes all the information required in the H&SC and is maintained at the site where hazardous materials are stored.**	**Initials of Business Representative** ______

Ronald S. Velarde — Signature of Business Representative
11/25/2003 — Date Signed
MARINE BIOLOGIST III — Title

*

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2222; sdcdeh.org

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 1
EST. NO. H 134 185
DATE 6 - 10 - 04
TIME START 930 END 954
BUS. CODE K67
SPECIALIST MIKE MANN
CONTACT RON VELARDE
TITLE MARINE BIOLOGIST III
PHONE 619 - 758 - 2331

BUSINESS NAME SDCTY METRO WWD MARINE BIOLOGY LAB
ADDRESS 4918 N. HARBOR DR #101
CITY/ZIP SAN DIEGO 92106

On the above date, an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (H&S) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

Office Use Only

SITE CLOSURE INSPECTION JUN 16 2004

- THIS FACILITY HAS BEEN CLOSED BY THE CITY OF SAN DIEGO AND ALL HAZARDOUS MATERIALS AND WASTES HAVE BEEN REMOVED.

- A PERMIT WILL NO LONGER BE REQUIRED FOR THIS SITE.

Ronald S. Velarde — Signature of Business Representative
10 JUNE 2004 — Date Signed
MARINE BIOLOGIST III — Title

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2222

DISTRIBUTION: WHITE- RETURN TO HMD
YELLOW-BUSINESS RETAINS

H34185

STATE OF CALIFORNIA—ENVIRONMENTAL PROTECTION AGENCY PETE WILSON, *Governor*

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
400 P Street, 4th Floor
P.O. Box 806
Sacramento, CA 95812-0806

(916) 323-5871

03/03/94

EPA ID: CAL000098749

SDCTY WATER/MARINE BIOLOGY LAB
PATRICIA VAINIK
4077 N HARBOR DR
SAN DIEGO, CA 92101-1065

For facility located at:

4918 N HARBOR DR #101
SAN DIEGO, CA 92101

Authorization Date: 03/03/94

Dear Conditionally Exempt Small Quantity Treatment Facility:

ACKNOWLEDGEMENT OF UNITS OPERATING UNDER CONDITIONAL EXEMPTION FOR SMALL QUANTITY TREATMENT

The Department of Toxic Substances Control (DTSC) has received your facility specific notification (form DTSC 1772) and form for Conditionally Exempt Small Quantity Treatment (form DTSC 1772A). Your notifications are administratively complete, but have not been reviewed for technical adequacy. A technical review of your notifications will be conducted when an inspection is performed. At any time, you may be inspected and will be subject to penalty if violations of laws or regulations are found.

The Department acknowledges receipt of your completed notification for the treatment unit(s) listed on the last page of this letter. These units operating under Conditional Exemption are authorized by California law without additional Department action, pursuant to Health and Safety Code sections 25201.5. Your authorization to operate continues until you notify DTSC that you have stopped treating waste and have fully closed the unit(s). You will be charged annual fees calculated on a calendar year basis for each year you operate and have not notified DTSC that the units have been closed.

You must notify the DTSC 60 days before first treating hazardous wastes in any new unit. You must also notify the DTSC whenever information you provided in these notifications changes. To revise information, mail a cover letter to the above address explaining the changes, attach just the pages of your notification package that have changed, and sign and date at the signature space on page 3 of form 1772.

Your status to operate under Conditional Exemption-Small Quantity Treatment is contingent upon the accuracy of information submitted by you in the notification mentioned above, and your compliance with all applicable requirements in the Health and Safety Code. Any misrepresentation or any failure to fully disclose all relevant facts shall render your authorization to operate null and void. If at any time, the total volume of hazardous waste treated in any month exceeds 55 gallons or 500 pounds, you will be in violation of the conditions of this category. This category also prohibits you from holding any other hazardous waste facility permits or other grants of authorization. If you subsequently obtain any other hazardous waste permits or other grants of authorization, you must convert to a different onsite treatment tier.

You are also required to properly close any treatment unit. Additional guidance on closure will be issued and distributed to all authorized onsite facilities later this year.

If you have any questions regarding this letter, or have questions on operating requirements for your facility, please contact the nearest DTSC regional office, or this office at the letterhead address or phone number.

Sincerely,

Michael S. Horner, Chief
Onsite Hazardous Waste Treatment Unit
Permit Streamlining Branch
Hazardous Waste Management Program

cc: SONIA LOW
DTSC REGION 4 OFFICE
SURVEILLANCE & ENFORCEMENT BR.
245 WEST BROADWAY, SUITE 350
LONG BEACH, CA 90802

GARY STEPHANY
SAN DIEGO COUNTY
ENVIRONMENTAL HEALTH SERVICES
1255 IMPERIAL AVENUE, 4TH FLR
P.O. BOX 85261
SAN DIEGO, CA 92186-5261

Units authorized to operate at this location:

UNDER CONDITIONAL EXEMPTION SMALL QUANTITY TREATMENT:

N1

--Staple Check Here--

Check Number
0079873

cid #
93 0011-

ONSITE HAZARDOUS WASTE TREATMENT NOTIFICATION FORM

FACILITY SPECIFIC NOTIFICATION

For Use by Hazardous Waste Generators Performing Treatment
Under Conditional Exemption and Conditional Authorization,
and by Permit By Rule Facilities

[X] Initial
[ ] Revised

Please refer to the attached Instructions before completing this form. You may notify for more than one permitting tier by using this notification form, DTSC 1772. You must attach a separate unit specific notification form for each unit at this location. There are different unit specific notification forms for each of the four categories and an additional notification form for transportable treatment units (TTU's). You only have to submit forms for the tier(s) that cover your unit(s). Discard or recycle the other unused forms. Number each page of your completed notification package and indicate the total number of pages at the top of each page at the 'Page __ of __'. Put your EPA ID Number on each page. Please provide all of the information requested; all fields must be completed except those that state 'if different' or 'if available'. Please type the information provided on this form and any attachments.

The notification will not be considered complete without payment of the appropriate fee for each tier under which you are operating. (Please note that the fee is per TIER not per UNIT. For example, if you operate 5 units but they are all Conditionally Authorized, you only owe $1,140, NOT 5 times $1,140. If you operate any Permit by Rule units and any units under Conditional Authorization you owe $2,280.) Checks should be made payable to the Department of Toxic Substances Control and be stapled to the top of this form. Please write your EPA ID Number on the check. Fill in the check number in the box above.

I. NOTIFICATION CATEGORIES

Indicate the number of units you operate in each tier. This will also be the number of unit specific notification forms you must attach. Conditionally Exempt Small Quantity Treatment operations may not operate units under any other tier.

Number of units and attached unit specific notifications				Fee per Tier (not per unit)
A.	1	Conditionally Exempt-Small Quantity Treatment	(Form DTSC 1772A)	$ 100
B.	____	Conditionally Exempt-Specified Wastestream	(Form DTSC 1772B)	$ 100
C.	____	Conditionally Authorized	(Form DTSC 1772C)	$1,140
D.	____	Permit by Rule	(Form DTSC 1772D)	$1,140
	1	Total Number of Units	Total Fee Attached	$ 100

Administrative Services Division
Financial Operations Section
NOV 12 1993
Department of Toxic Substances Control
Accounting Unit

II. GENERATOR IDENTIFICATION

EPA ID NUMBER CA L 0 0 0 0 9 8 7 4 9 BOE NUMBER (if available) H__HQ________

NAME (Company or Facility) (DBA–Doing Business As): SDCTY- WATER, Marine Biology Lab

PHYSICAL LOCATION: 4918 N. Harbor Drive, Suite 101

CITY: San Diego CA ZIP 92101 -____

For DTSC Use Only
Region 4

COUNTY: San Diego

CONTACT PERSON: Patricia (First Name) Vainik (Last Name) PHONE NUMBER (619) 692 - 4939

MAILING ADDRESS, IF DIFFERENT

COMPANY NAME (DBA) SDCTY-Water, Marine Biology Lab

STREET 4077 N. Harbor Drive

CITY San Diego STATE CA ZIP 92101 - 1065

COUNTRY ______
(only complete if not USA)

CONTACT PERSON Patricia (First Name) Vainik (Last Name) PHONE NUMBER (619) 692 - 4939

III. TYPE OF COMPANY: STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODE:

Use either one or two SIC codes (a four digit number) that best describe your company's products, services, or industrial activity.

Example: *7384 Photofinishing lab* *3672 Printed circuit boards*

First: 9511 Air, Water, Solid Waste Management Second: ______

IV. PRIOR PERMIT STATUS: *Check yes or no to each question:*

YES	NO		
[ ]	[X]	1.	Did you file a PBR Notice of Intent to Operate (DTSC Form 8462) in 1992 for this location?
[ ]	[X]	2.	Do you now have or have you ever held a state or federal hazardous waste facility full permit or interim status for any of these treatment units?
[ ]	[X]	3.	Do you now have or have you ever held a state or federal full permit or interim status for any other hazardous waste activities at this location?
[ ]	[X]	4.	Have you ever held a variance issued by the Department of Toxic Substances Control for the treatment you are now notifying for at this location?
[X]	[ ]	5.	Has this location ever been inspected by the state or any local agency as a hazardous waste generator?

V. PRIOR ENFORCEMENT HISTORY: *Not required from generators only notifying as conditionally exempt.*

YES	NO	
[ ]	[ ]	Within the last three years, has this facility been the subject of any convictions, judgments, settlements, or final orders resulting from an action by any local, state, or federal environmental, hazardous waste, or public health enforcement agency?

(For the purposes of this form, a notice of violation does not constitute an order and need not be reported unless it was not corrected and became a final order.)

[ ] If you answered Yes, check this box and attach a listing of convictions, judgments, settlements, or orders and a copy of the cover sheet from each document. (See the Instructions for more information)

VI. ATTACHMENTS:

[X] 1. A plot plan/map detailing the location(s) of the covered unit(s) in relation to the facility boundaries.

[X] 2. A unit specific notification form for each unit to be covered at this location.

VII. CERTIFICATIONS: *This form must be signed by an authorized corporate officer or any other person in the company who has operational control and performs decision-making functions that govern operation of the facility (per title 22, California Code of Regulations (CCR) section 66270.11). All three copies must have original signatures.*

Waste Minimization I certify that I have a program in place to reduce the volume, quantity, and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Tiered Permitting Certification I certify that the unit or units described in these documents meet the eligibility and operating requirements of state statutes and regulations for the indicated permitting tier, including generator and secondary containment requirements. I understand that if any of the units operate under Permit by Rule or Conditional Authorization, I will also be required to provide required financial assurances by January 1, 1994, and conduct a Phase I environmental assessment by January 1, 1995.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete.

I am aware that there are substantial penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Alan Langworthy
Name (Print or Type)

Deputy Director
Title

X Alan C. Lang
Signature

X 11-5-93
Date Signed

OPERATING REQUIREMENTS:

Please note that generators treating hazardous waste onsite are required to comply with a number of operating requirements which differ depending on the tier(s) under which one operates. These operating requirements are set forth in the statutes and regulations, some of which are referenced in the Tier-Specific Factsheets.

SUBMISSION PROCEDURES:

You must submit two copies of this completed notification by certified mail, return receipt requested, to:

Department of Toxic Substances Control
Form 1772
Onsite Hazardous Waste Treatment Unit
400 P Street, 4th Floor (walk in only)
P.O. Box 806
Sacramento, CA 95812-0806.

You must also submit one copy of the notification and attachments to the local regulatory agency in your jurisdiction as listed in the instruction materials. You must also retain a copy as part of your operating record.

All three forms must have original signatures, not photocopies.

Submit to HMMD

DATE 9 / 10 / 93

HAZARDOUS MATERIALS MANAGEMENT DIVISION
SITE MAP

H 34185

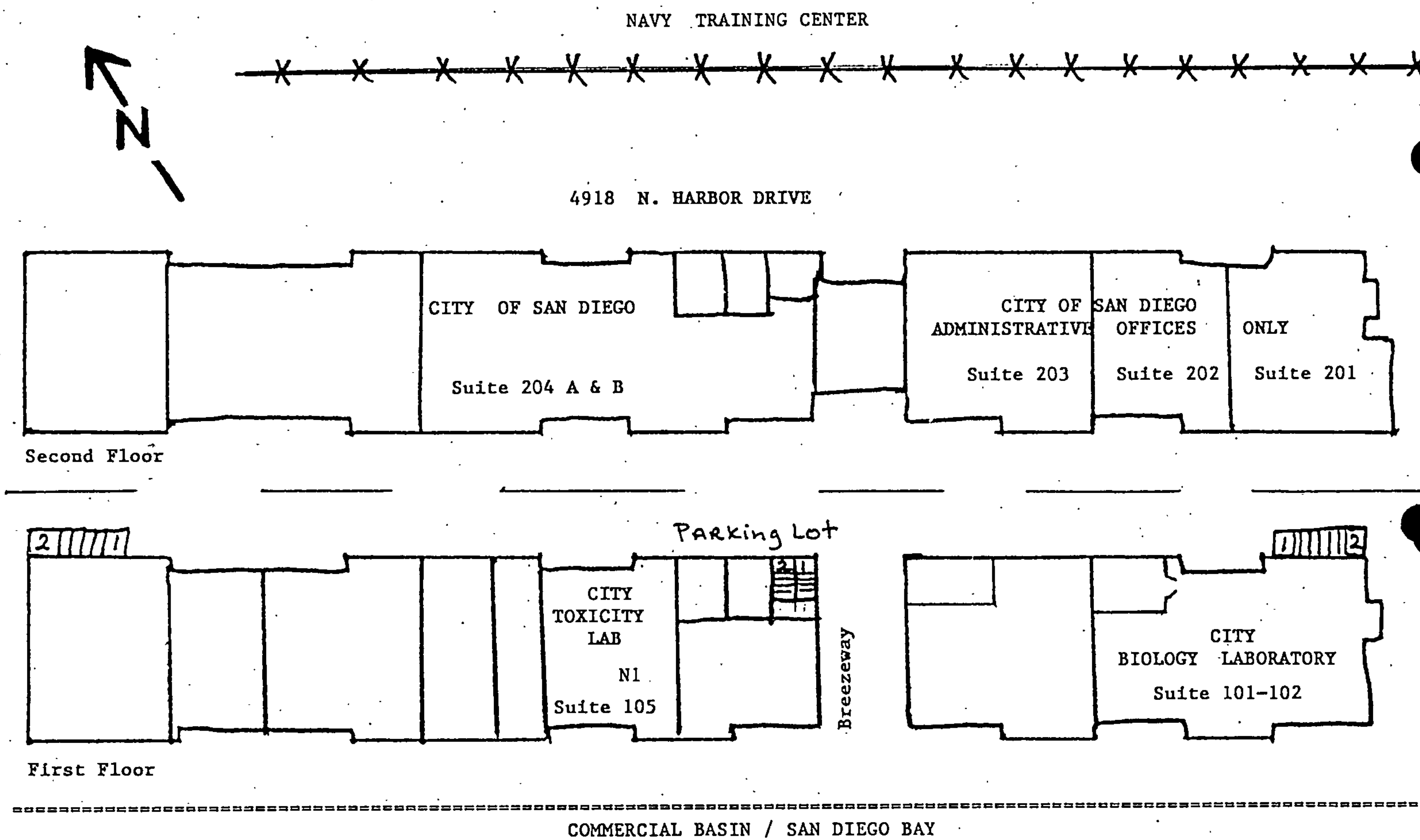
Thomas Bros. Coordinates 1288, C2

Business Name SDCTY-WATER, MARINE BIOLOGY LAB

Business Address 4918 N. Harbor Drive, San Diego, CA 92106

Emergency Coordinator Patricia Vainik, Sr. Biology Supervisor

Phone Number - Day (619) 692-4937 24 hr/home (619) 527-7660



EPA I.D. NUMBER CAL 000 098 749

ATTACHMENT Page 4 of 9

CONDITIONALLY EXEMPT-SMALL QUANTITY TREATMENT

UNIT SPECIFIC NOTIFICATION

(pursuant to Health and Safety Code Section 25201.5(a))

UNIT NAME pH Neutralization UNIT ID NUMBER N1

NUMBER OF TREATMENT DEVICES: ____ Tank(s) 1 Container(s)

Please Note: Generators operating units under Conditionally Exempt Small Quantity Treatment may not operate any other units under other permitting tiers or hold any other state or federal hazardous waste permit or authorization for this facility.

Each unit must be clearly identified and labeled on the plot plan attached to Form 1772. Assign your own unique number to each unit. The number can be sequential (1, 2, 3) or you may use any system you choose.

This category is only available to generators that treat less than 55 gallons or 500 pounds of hazardous waste in any calendar month in ALL units at this facility and that are not otherwise required to obtain a hazardous waste facilities permit. This volume limit applies to the TOTAL hazardous waste treated onsite in any calendar month, and is NOT a limit for each wastestream or unit separately. The wastestreams treated must be limited to those listed in title 22, CCR, section 67450.11, which are also listed below.

Enter the estimated monthly total volume of hazardous waste treated by this unit. This should be the maximum or highest amount treated in any month. Indicate in the narrative (Section II) if your operations have seasonal variations.

I. WASTESTREAMS AND TREATMENT PROCESSES:

Estimated Monthly Total Volume Treated: ________ pounds and/or 5 gallons

The following are the eligible wastestreams and treatment processes. Please check all applicable boxes:

1. Aqueous wastes containing hexavalent chromium may be treated by the following process:

☐ a. Reduction of hexavalent chromium to trivalent chromium with sodium bisulfite, sodium metabisulfite, sodium thiosulfate, ferrous sulfate, ferrous sulfide or sulfur dioxide provided both pH and addition of the reducing agent are automatically controlled.

2. Aqueous wastes containing metals listed in Title 22, CCR, section 66261.24 (a)(2), including silver from photofinishing, and/or fluoride salts may be treated by the following technologies:

☐ a. pH adjustment or neutralization.

☐ b. Precipitation or crystallization.

☐ c. Phase separation by filtration, centrifugation, or gravity settling.

☐ d. Ion exchange.

☐ e. Reverse osmosis.

☐ f. Metallic replacement.

☐ g. Plating the metal onto an electrode.

☐ h. Electrodialysis.

☐ i. Electrowinning or electrolytic recovery.

☐ j. Chemical stabilization using silicates and/or cementitious types of reactions.

☐ k. Evaporation.

☐ l. Adsorption.

CONDITIONALLY EXEMPT-SMALL QUANTITY TREATMENT
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(a))

3. Aqueous wastes with total organic carbon less than ten percent as measured by EPA Method 9060 and less than one percent total volatile organic compounds as measured by EPA Method 8240 may be treated by the following technologies:

☐ a. Phase separation by filtration, centrifugation or gravity settling, but excluding super critical fluid extraction.

☐ b. Adsorption.

☐ c. Distillation.

☐ d. Biological processes conducted in tanks or containers and utilizing naturally occurring microorganisms.

☐ e. Photodegradation using ultraviolet light, with or without the addition of hydrogen peroxide or ozone, provided the treatment is conducted in an enclosed system.

☐ f. Air stripping or steam stripping.

4. Sludges, dusts, solid metal objects and metal workings which contain or are contaminated with metals listed in title 22, CCR, section 66261.24 (a)(2) and/or fluoride salts may be treated by the following technologies:

☐ a. Chemical stabilization using silicates and/or cementitious types of reactions.

☐ b. Physical processes which change only the physical properties of the waste such as grinding, shredding, crushing, or compacting.

☐ c. Drying to remove water.

☐ d. Separation based on differences in physical properties such as size, magnetism or density.

5. Alum, gypsum, lime, sulfur or phosphate sludges may be treated by the following technologies:

☐ a. Chemical stabilization using silicates and/or cementitious types of reactions.

☐ b. Drying to remove water.

☐ c. Phase separation by filtration, centrifugation or gravity settling.

6. Wastes identified in title 22, CCR, section 66261.120, that meet the criteria and requirements for special waste classification in title 22, CCR, section 66261.122 may be treated by the following technologies:

☐ a. Chemical stabilization using silicates and/or cementitious types of reactions.

☐ b. Drying to remove water.

☐ c. Phase separation by filtration, centrifugation or gravity settling.

☐ d. Screening to separate components based on size.

☐ e. Separation based on differences in physical properties such as size, magnetism or density.

CONDITIONALLY EXEMPT-SMALL QUANTITY TREATMENT
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(a))

7. Wastes, except asbestos, which have been classified by the Department as special wastes pursuant to title 22, CCR, section 66261.124, may be treated by the following technologies:

- [ ] a. Chemical stabilization using silicates and/or cementitious types of reactions.
- [ ] b. Drying to remove water
- [ ] c. Phase separation by filtration, centrifugation or gravity settling.
- [ ] d. Magnetic separation.

8. Inorganic acid or alkaline wastes may be treated by the following technology:

- [x] a. pH adjustment or neutralization.

9. Soils contaminated with metals listed in title 22, CCR, section 66261.24 (a)(2), (Persistent and Bioaccumulative Toxic Substances) may be treated by the following technologies:

- [ ] a. Chemical stabilization using silicates and/or cementitious types of reactions.
- [ ] b. Screening to separate components based on size.
- [ ] c. Magnetic separation.

10. Used oil, unrefined oil waste, mixed oil, oil mixed with water and oil/water separation sludges may be treated by the following technologies:

- [ ] a. Phase separation by filtration, centrifugation or gravity settling, but excluding super critical fluid extraction.
- [ ] b. Distillation.
- [ ] c. Neutralization.
- [ ] d. Separation based on differences in physical properties such as size, magnetism or density.
- [ ] e. Reverse osmosis.
- [ ] f. Biological processes conducted in tanks or containers and utilizing naturally occurring microorganisms.

11. Containers of 110 gallons or less capacity which are not constructed of wood, paper, cardboard, fabric, or any other similar absorptive material, which have been emptied as specified in Title 40 of the Code of Federal Regulations (CFR), section 261.7 or inner liners removed from empty containers that once held hazardous waste or hazardous material and which are not excluded from regulation may be treated by the following technologies provided the treated containers and rinseate are managed in compliance with applicable requirements:

- [ ] a. Rinsing with a suitable liquid capable of dissolving or removing the hazardous constituents which the container held.
- [ ] b. Physical processes such as crushing, shredding, grinding or puncturing, that change only the physical properties of the container or inner liner, provided the container or inner liner is first rinsed and the rinseate is removed from the container or inner liner.

12. Multi-component resins may be treated by the following process:

- [ ] a. Mixing the resin components together in accordance with the manufacturer's instructions.

CONDITIONALLY EXEMPT-SMALL QUANTITY TREATMENT
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(a))

II. NARRATIVE DESCRIPTIONS: *Provide a brief description of the specific waste treated and the treatment process used.*

1. SPECIFIC WASTE TYPES TREATED: Acidic Wastewater from glassware cleaning procedure.

2. TREATMENT PROCESS(ES) USED: Biologist uses neutralizing agent to adjust pH of acidic wastewater in container to above 5.0 and below 11.0.

III. RESIDUAL MANAGEMENT: *Check Yes or No to each question as it applies to all residuals from this treatment unit.*

YES	NO	
[X]	[ ]	1. Do you discharge non-hazardous aqueous waste to a publicly owned treatment works (POTW)/sewer?
[ ]	[X]	2. Do you discharge non-hazardous aqueous waste under an NPDES permit?
[ ]	[X]	3. Do you have your residual hazardous waste hauled offsite by a registered hazardous waste hauler? If you do, where is the waste sent? *Check all that apply.*

- [ ] a. Offsite recycling
- [ ] b. Thermal treatment
- [ ] c. Disposal to land
- [ ] d. Further treatment

YES	NO	
[ ]	[X]	4. Do you dispose of non-hazardous solid waste residues at an offsite location?
[ ]	[X]	5. Other method of disposal. Specify: ______

IV. BASIS FOR NOT NEEDING A FEDERAL PERMIT:

In order to demonstrate eligibility for one of the onsite treatment tiers, facilities are required to provide the basis for determining that a hazardous waste permit is not required under the federal Resource Conservation and Recovery Act (RCRA) and the federal regulations adopted under RCRA (Title 40, Code of Federal Regulations (CFR)).

Choose the reason(s) that describe the operation of your onsite treatment units:

- [ ] 1. The hazardous waste being treated is not a hazardous waste under federal law although it is regulated as a hazardous waste under California state law.
- [ ] 2. The waste is treated in wastewater treatment units (tanks), as defined in 40 CFR Part 260.10, and discharged to a publicly owned treatment works (POTW)/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.

CONDITIONALLY EXEMPT-SMALL QUANTITY [redacted]ATMENT
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(a))

IV. BASIS FOR NOT NEEDING A FEDERAL PERMIT: (continued)

[X] 3. The waste is treated in elementary neutralization units, as defined in 40 CFR Part 260.10, and discharged to a POTW/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.

[ ] 4. The waste is treated in a totally enclosed treatment facility as defined in 40 CFR Part 260.10; 40 CFR 264.1(g)(5).

[ ] 5. The company generates no more than 100 kg (approximately 27 gallons) of hazardous waste in a calendar month and is eligible as a federal conditionally exempt small quantity generator. 40 CFR 260.10 and 40 CFR 261.5.

[ ] 6. The waste is treated in an accumulation tank or container within 90 days for over 1000 kg/month generators and 180 or 270 days for generators of 100 to 1000 kg/month. 40 CFR 262.34, 40 CFR 270.1(c)(2)(i), and the Preamble to the March 24, 1986 Federal Register.

[ ] 7. Recyclable materials are reclaimed to recover economically significant amounts of silver or other precious metals. 40 CFR 261.6(a)(2)(iv), 40 CFR 264.1(g)(2), and 40 CFR 266.70.

[ ] 8. Empty container rinsing and/or treatment. 40 CFR 261.7.

[ ] 9. Other: Specify: ______________________________

____

V. TRANSPORTABLE TREATMENT UNIT: *Check Yes or No. Please refer to the Instructions for more information.*

YES	NO	
[ ]	[X]	Is this unit a Transportable Treatment Unit?

If you answered yes, you must also complete and attach Form 1772E to this page.

The Tier-Specific Factsheets contain a summary of the operating requirements for this category. Please review those requirements carefully before completing or submitting this notification package.

COUNTY OF SAN DIEGO
Department of Environmental Health

COMPLAINT FORM

COMPLAINT No.	1999-05159		
PREV COMP		OLD COMP No.	9911001
DATE / TIME RECEIVED	11/01/1999	2:38 PM	
REC BY	GESQUIEH		
REVIEWED BY		APPROVED ☐	INFO ONLY ☐

REPORTING PARTY

NAME: AGENCY:

ADDRESS: ZIP: 0 PHONE:

COMPLAINT INFORMATION

ESTAB#: H38908 INCIDENT DATE: INCIDENT TIME:

BUSINESS NAME: NAUT-A-CARE MARINE SERVICES CENSUS TRACT: APN:

ADDRESS: 4904 HARBOR ISLAND DR STE: 105 X-STREET:

San Diego (Downtown) ZIP: 92101 THOM BROS PAGE: 1288 COORD: E2

MISC INFORMATION: HE58 DOES NOT LIST BUSINESS AT ADDRESS. 11/2/99 - COMPLAINANT REQ STATUS ON COMPLAINT. (DUPLICATE COMPLAINT SEE #5360.

SUBSTANCE:

NATURE OF COMPLAINT: ALLEGES BUSINESS AT ADDRESS (SUITE 206) HAS TWO 300 GALLON TANKS THAT THEY STORE BILGE WASTE/WATER, AND TANKS ARE EMPTIED BY AN COMPANY "EVERGREEN" THAT USES HOSES FROM THEIR TANKER TRUCKS TO INSIDE SUITE 206 TO EMPTY OUT TANKS. COMPLAINANT CONCERNED DUE TO SYSTEM USED TO STORE BILGE WASTES.

DEH RESPONSE INFORMATION

DIVISION: ICP APPROVED BY: APPROVED DATE: ASSIGNED TO: ESLATEEH

PRIORITY	TYPE	BUSINESS	ACTIVITY	INVESTIGATED BY	DATE INVESTIGATED	JUSTIFIED	CUST SERV SENT	RESOLVED
☐	H21	B		CFUENTEH	11/19/1999	☐	☐	☑

REFER ONLY? ☐ CONTACT: AGENCY: PHONE:

ACTION TAKEN: 11/12/99 - SPOKE TO COMPLAINANT REGARDING STATUS. BUSINESS SERVICES BOATS AND THUS GENERATES WASTE OIL. REFERRAL MADE TO ICP/ED SLATER. REFERRAL ALSO MADE THIS DATE TO CITY OF SAN DIEGO CODE ENFORCEMENT FOR ZONING REQUIREMENTS.--D. CAMMALL--

BUSINESS INSPECTED AND PLACED UNDER PERMIT BY CARMEL FUENTECILLA. THIS ACTION RESOLVES COMP #5159 AND #0536. E. SLATER 11/19/99.

FOLLOW-UP: POSSIBLE HAZ WASTE TANK THAT NEEDS TO MEET 1/1/99 STANDARDS. NEW BUSINESS.

e NEW #

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 2
EST. NO. H 38908
DATE 10-15-99
TIME START 11 45 END 1 30
BUS. CODE K26
SPECIALIST C Fuentecilla
CONTACT Vincent BACHET
TITLE PARTNER
PHONE 543-9682

BUSINESS NAME NAUT-A-CARE
ADDRESS 4904 N. HARBOR DR #105
CITY/ZIP SD 92106

On the above date, an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (H&S) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

Office Use Only

NOV 19 1999

New Business: complaint insp.

OBSERVATION:

- Business is operating without a valid Health PERMIT.*

HAZ. WASTE and HAZ. MAT. INVENTORY verified during this inspection. HAZ WASTE is generated from servicing the boat engines + bilge water.

- HEALTH PERMIT APPLICATION completed during this inspection*.
- Reviewed HAZARDOUS waste disposal MANIFEST, TRAINING Records and EPA ID number.

Comply with the following HAZ. WASTE / MATERIAL Requirements:

1. Establish + Implement a HAZARDOUS MATERIALS Business Plan. Submit a completed plan to this Dept. to my attention w/in 30 days.
2. LABEL HAZ. WASTE Containers + HAZ. MAT containers as to it's contents.

x Vin Bachet 15 Nov 99 Gen Manager

Signature of Business Representative | Date Signed | Title

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2222

DISTRIBUTION: WHITE- RETURN TO HMD
YELLOW-BUSINESS RETAINS

DEH:HM-924 (Rev. 2/99) NCR

County of San Diego
Department of Environmental Health

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

EST. NUMBER H 38908

DATE 11 / 15 / 99

PAGE 2 OF 2

BUSINESS ADDRESS: 4904 N. HARBOR DR. # 185 92106

VIOLATION REPORT: The items checked below refer to specific section numbers of Titles 19/22/23 of the California Code of Regulations (CCR), Chapters 6.5, 6.7, 6.95 of the Health and Safety Code (HSC), and/or the San Diego County Code (SDCC).

I HAZARDOUS WASTE REQUIREMENTS:

RECORD KEEPING

1 [X] Health Permit not obtained SDCC 68.905	V0108 W____
[ ] No EPA Identification Number 66262.12	V0105 W____
[ ] Waste Manifests/Receipts not on-site for 3 years 66262.40	V0118 W____
[ ] Manifest not properly completed 66262.23	V0120 W____
[ ] Manifest copy not sent to DTSC 66262.23	V0115 W____
[ ] TSDF signed-manifest not on-site 66262.40	V0121 W____
[ ] Biennial report not sent to DTSC 66262.41	V0122 W____
[ ] LDR Documentation not available 66268.7	V0123 W____
[ ] Exception Rpt. not filed with DTSC 66262.42	V0116 W____
[ ] Operating TSDF without authorization 25201	V0124 W____

STORAGE AND HANDLING

[ ] Waste stored longer than 90, 180, or 270 days 66262.34	V0221 W____
[ ] Failure to clean up hazwaste off of floor surface 66262.10b	V0313 W____
2 [X] Waste container missing/improperly labeled 66262.34	V0222 W____
3 [X] Haz Materials not properly labeled 25124	V0223 W____
[ ] Waste container not kept closed 66265.173	V0202 W____
[ ] Waste container in poor condition 66265.171	V0205 W____
[ ] Waste container(s) not properly managed 66265.173	V0210 W____
[ ] Damaged container not repackaged 66265.171	V0226 W____
[ ] Container incompatible with waste 66265.172	V0207 W____
[ ] Incompatibles in the same container 66265.177	V0224 W____
[ ] Incompatibles not stored separately 66265.177	V0213 W____
[ ] Ignitible Waste less than 50 feet 66265.176	V0214 W____
[ ] Ignitible Waste not grounded 66265.31	V0215 W____
[ ] Storage area not inspected weekly 66265.174	V0216 W____

DISPOSAL AND TRANSPORTATION

[ ] Unauth. disposal of waste to ________ 25189.5	V0313 W____
[ ] Waste determination not made 66262.11	V0319 W____
[ ] Unlawful transport of haz. waste 25163	V0315 W____
[ ] Waste transported without manifest 66262.20	V0316 W____
[ ] Extremely Haz Waste Permit not obtained 25205.7	V0317 W____

TRAINING, CONTINGENCY PLAN & EMERGENCY PROCEDURES

[ ] Training records unavailable 66265.16	V0405 W____
[ ] Training program not adequate 66265.16	V0406 W____
[ ] Facility not designed to minimize release 66265.31	V0501 W____
[ ] Spill control equip not available 66265.32	V0508 W____
[ ] Aisle space is obstructed 66265.35	V0509 W____
[ ] Contingency plan not prepared and/or on file 66265.51, 66265.53	V0609 W____

MISCELLANEOUS

[ ] Waste oil contaminated 25250.7	V0225 W____
[ ] Used oil filters improperly managed 66266.130	V0701 W____
[ ] Damaged batteries improperly managed 66266.81	V0702 W____
[ ] Facility has failed to notify local CUPA and DTSC of onsite treatment of hazardous waste (tiered permitting)	V0125 W____
[ ] Onsite treatment of waste without authorization 25201	V0125 W____

II UNDERGROUND STORAGE TANK (UST) REQUIREMENTS:

GENERAL UST REQUIREMENTS

[ ] Health Permit not obtained 68.1005, 25284	V3002 T____
[ ] Repair/modify/close permit not obtained 68.1005	V3007 T____
[ ] UST Permit Application not submitted 25286(a)	V3010 T____
[ ] Operating permit conditions violated 2712	V3011 T____
[ ] Failed to notify HMMD of changes 25284	V3012 T____
[ ] No owner/operator agreement 25284	V3005 T____
[ ] No records of financial coverage 25292.2	V3013 T____
[ ] No maint/monit/calib records available 2712(b), 2641(j)	V3001 T____
[ ] Monitoring Equip. not tested annually 2630, 2641	V3003 T____

MONITORING REQUIREMENTS (SINGLE WALL)

[ ] Leak Detection Method does not meet performance standards 2643	V3014 T____
[ ] Integrity test not conducted 25292	V3015 T____
[ ] Copy of tank test not submitted to HMMD within 30 days 2643	V3016 T____
[ ] Manual tank gauging (<2000 gal) 2645 not done properly	V3017 T____
[ ] Reconciliation not done properly 2646	V3018 T____
[ ] Reconciliation not approved for facility 2646	V3019 T____
[ ] Dispenser meter(s) not calib annually 2646	V3020 T____
[ ] Improper liquid measurements 2646	V3021 T____
[ ] Stick in poor condition 2646	V3022 T____
[ ] Improper monthly reconciliation 2646	V3023 T____
[ ] Failed to report excessive variation 2646	V3024 T____
[ ] Pressurized Product Piping Leak Device not tested annually 25292	V3025 T____
[ ] No written monitoring procedure 2641	V3027 T____
[ ] No written emergency response plan 2641	V3027 T____
[ ] SIR reporting incorrectly done 2646.1	V3004 T____

MONITORING REQUIREMENTS (DOUBLE WALL)

[ ] Monitoring system not functional 2632	V3026 T____
[ ] No written monitoring procedure 2632	V3027 T____
[ ] Written emergency response plan not available 2632	V3028 T____
[ ] Spill/Overfill equip. not maintained or installed 2635	V3029 T____

RELEASE REPORTING

[ ] Failure to report an unauthorized release 25295	V3009 T____
[ ] Release record log not available 2651, 2650	V3030 T____
[ ] No leak report/investigation/action 2652	V3031 T____

CLOSURE

[ ] Temporary closure req. not completed 2671	V3006 T____
[ ] Unused tank not properly closed 25298	V3032 T____
[ ] Permanent closure req. not completed 2672	V3033 T____
[ ] Failed to apply for temporary closure 25298	V3008 T____

III HAZARDOUS MATERIALS BUSINESS PLAN REQUIREMENTS:

RECORD KEEPING

[ ] Health Permit not obtained SDCC 68.1105	V2001 W____
4 [X] Business Plan not established/implemented 25503.5	V2002 W____
[ ] Business Plan not submitted to HMMD 25505	V2007 W____
[ ] Business Plan not amended 25505	V2003 W____
[ ] Personnel Training Records not available 19 CCR 2732	V2302 W____

RELEASE REPORTING

[ ] Failure to report a release/threatened release 25507	V2008 W____

BUSINESS PLAN ELEMENTS

[ ] Emergency Response Plan inadequate 25504	V2201 W____
[ ] Emergency Contacts not provided/current 25509	V2203 W____
[ ] Personnel Training Program inadequate 25504	V2301 W____
[ ] Inventory is incomplete 25504	V2005 W____
[ ] Site Map is not sufficient 25509	V2202 W____
[ ] Acutely Haz. Mat. not registered 25533	V2009 W____

ALL VIOLATIONS MUST BE CORRECTED. PLEASE CALL (619) 338-2222 OR YOUR INSPECTOR IF YOU HAVE ANY QUESTIONS.

X [signature] 15 Nov 99 Gen. Manager

ESTABLISHMENT REPRESENTATIVE DATE SIGNED TITLE

Department of Environmental Health, Hazardous Materials Management Division, P. O. Box 129261, San Diego, CA 92112-9261

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

DEH:HM-923 (Rev. 1/98) NCR

e

INSPECTION DATE

11151999

SPECIALIST USE ONLY

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
P. O. BOX 129261, SAN DIEGO, CA 92112-9261 PHONE: 619-338-2222

--FOR OFFICE USE ONLY--

ESTAB NUMBER	CENSUS TR/INC CODE	BUS CODE	UNITS	ANNUAL FEE	EXPIR DATE (MO-DAY)
H 38908					
2	21	28	31	35	41

SIC-1	SIC-2	FIRE	WATER	SEWER	ZONING	MAP ON FILE	STATUS	ASSESSOR'S PARCEL NO.
								- - -
45	49	53	55	57	59	61	62	64

--PLEASE COMPLETE THE FOLLOWING SECTION--

ESTABLISHMENT OWNER NAME: NAUT-A-CARE John Sullivan (74)

(AREA) 619 (104) OWNER PHONE 871 7981

ESTABLISHMENT ADDRESS:

STREET NUMBER: 4904 (114) DIRECTION: N (125) STREET NAME: HARbor DR (127) BLDG/SUITE: 105 (147)

CITY: SAN DIEGO (151) STATE: CA (166) ZIP CODE: 92106 (168) - (AREA) 619 (177) BUSINESS PHONE 5439682

SECOND NAME OR NAME OF MANAGEMENT COMPANY: NIL (187)

MAILING ADDRESS (IF DIFFERENT FROM ESTABLISHMENT ADDRESS):

STREET NUMBER: (217) DIRECTION: (228) STREET NAME: (230) BLDG/SUITE: (250)

CITY: (254) STATE: (269) ZIP CODE: (271) -

ESTABLISHMENT NAME: NAUT-A-CARE (284)

GAS STATION: YES = 1 OTHER = 2 — 2 (314)

REASON FOR APPLICATION: 1 (315)
1 - NEW 3 - OWNER CHANGE
2 - RE-OPEN

NUMBER OF EMPLOYEES: 1

IF OTHER, LIST TYPE OF BUSINESS: Oil Change Steam Cleaning

NAME OF PREVIOUS OWNER: N/A (316)

DATE BUS ASSUMED: NA (346)

CONTACT PERSON: ~~AL~~ VINCENT (352)

***** ALL APPLICANTS PLEASE COMPLETE APPROPRIATE SUPPLEMENTARY FORMS *****

I DECLARE UNDER PENALTY OF PERJURY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF THE STATEMENTS MADE HEREIN ARE CORRECT AND TRUE. I HEREBY CONSENT TO ALL NECESSARY INSPECTIONS MADE PURSUANT TO LAW AND INCIDENTAL TO THE ISSUANCE OF THIS PERMIT AND THE OPERATION OF THIS BUSINESS.

SIGNATURE John Paul Sullivan DATE 15-NOV-99

DEH:HM-927 (Rev. 10/97)

naut-a-care
MARINE SERVICES

RECEIVED
MAR 3 12 53 PM '00
ENVIRONMENTAL
HEALTH SERVICES

FAX

Date: Feb. 29,2000

To: Dept. Of environmental Health

Fax # 619-338-2377

Attn: Janice

Subject: Termination

This is to advise you that Naut-A-Care went out of business as of Feb. 1, 2000, and does not intend to open up in another location.

We will vacate the premises on 4904 N. Harbor Drive effective April 1, 2000.

Sharon Geyer

NAUT-A-CARE
Sharon Geyer
Bookkeeper

Cabrillo Isle Marina, 1450 Harbor Island Drive, Suite # 206, San Diego, CA 92101-1071
Tel (619) 543-9682 Fax (619) 543-0051
Email: John.Sullivan@gte.net http://www.naut-a-care.com

202243

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 2 DATE 5/2/03
PERMIT # ~~110546~~ 202243
TIME START 1:35 END 3:00
BUS. CODE HK-26
SPECIALIST GARCHITORENA
INSPECTION CONTACT/TITLE
J GERALD DRISCOLL / OWNER
PHONE: (619) 222-4930

PRSd 8-12-03 on file

BUSINESS NAME DRISCOLL'S WHARF

ADDRESS 4904 N HARBOR DR #203

CITY/ZIP SAN DIEGO 92106

On the above date, an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (HSC) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

Y	N/A		Y	N/A	
☑	☐	**Unified Program Facility Permit current and available**			**Permit Expires on: 5/31/03.**
☑	☐	**Hazardous Materials Business Plan available**	☑	☐	**Contingency Plan available**
☑	☐	**Employee Training is adequate**	☑	☐	**Employee Training records available**
☑	☐	**Waste disposal records available for review**	☑	☐	**Waste containers kept closed**
☑	☐	**Emergency contacts current ☐ Updated today**	☑	☐	**Waste containers kept labeled**
☑	☐	**Chemical inventory current ☐ Updated today**	☑	☐	**Waste containers in good condition**

ROUTINE INSPECTION

JUN 26 2003

FACILITY INSPECTION CONDUCTED WITH PERMISSION FROM CYNTHIA PREEI.

REMARKS

- WITHIN 30 DAYS, DISPOSE OF THE USED BATTERIES AND FAX TO ME A COPY OF THE DISPOSAL RECEIPT

- USED ABSORBENTS WITH OIL ~~AND~~ USED BATTERIES ADDED TO THE WASTE STREAM.

- CHANGE K18 TO K26 CODE.

☒ This is an annual certification that the Hazardous Materials Business Plan (inventory, emergency contacts, emergency response plan, and employee training plan) is current and includes all the information required in the H&SC and is maintained at the site where hazardous materials are stored.

Initials of Business Representative CP

Cynthia Pellie — Signature of Business Representative
5/2/03 — Date Signed
OFFICE MANAGER — Title

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2222; sdcdeh.org

DEH:HM-924 (Rev. 05/02) NCR DISTRIBUTION: WHITE- RETURN TO HMD YELLOW-BUSINESS RETAINS

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PERMIT # 110546
DATE 5/2/03
PAGE 2 OF 2

BUSINESS ADDRESS: 4904 N HARBOR DR #203, SD ZIP: 92106

VIOLATION REPORT: The items checked below refer to specific section numbers of Titles 19 & 22 of the California Code of Regulations (CCR), Chapters 6.5, 6.95 of the Health and Safety Code (HSC), and/or the San Diego County Code (SDCC).

All violations must be corrected. Submit documentation of return to compliance to your Specialist. You may use the Corrective Action Form to document your return to compliance. Your Specialist can provide these forms. Please call (619) 338-2222 or your Specialist if you have any questions.

HAZARDOUS WASTE REQUIREMENTS

RECORDKEEPING

Viol #		VIOL	VIOLATION DESCRIPTION
	☐	V0131	UPF Permit not obtained SDCC. 68.905
	☐	V0132	No EPA Identification Number. 66262.12
	☐	V0133	Manifest copy not sent to DTSC. 66262.23
	☐	V0134	Exception Rpt. not filed with DTSC. 66262.42
	☐	V0135	Waste Manifests/Receipts not on-site for 3 years. 66262.40
	☐	V0136	No records of battery disposal. 66262.81
	☐	V0137	Manifest not properly completed. 66262.23
	☐	V0138	TSDF signed-manifest not on-site. 66262.40
	☐	V0139	Biennial report not sent to DTSC. 66262.41
	☐	V0140	LDR Documentation not available. 66268.7
	☐	V0141	Operating TSDF without authorization. 25201
	☐	V0142	Failed to notify local CUPA of onsite treatment of hazardous waste. 25201
	☐	V0143	Tiered Permitting notification has incomplete or incorrect information. 25201
	☐	V0144	SB14 compliance doc. not available. 25244.19
	☐	V0145	Excluded recyclable materials report not submitted to HMD. 25143.10

STORAGE AND HANDLING

Viol #		VIOL	VIOLATION DESCRIPTION
	☐	V0201	Waste container not kept closed. 66265.173
	☐	V0202	Waste container missing/improperly labeled. 66262.34, 25143.9
	☐	V0203	Damaged container not repackaged. 66265.171
	☐	V0204	Waste container not properly managed. 66265.173
	☐	V0205	Waste container in poor condition. 66265.171
	☐	V0206	Ignitable Waste < 50 feet of property line. 66265.176
	☐	V0207	Facility no maintained/operated to minimize possibility of fire, explosion or release. 66265.31
	☐	V0208	Storage area not inspected weekly. 66265.174
	☐	V0209	Waste stored > 90, 180, or 270 days. 66262.34
	☐	V0210	Hazwaste not cleaned up off floor surface. 66262.10b
	☐	V0211	Incompatibles in the same container. 66265.177
	☐	V0212	Incompatibles not stored separately. 66265.177
	☐	V0213	Container incompatible with waste. 66265.172
	☐	V0214	Waste oil contaminated. 25250.7
	☐	V0215	Used oil filters improperly managed. 66266.130
	☐	V0216	Hazardous materials not properly labeled. 25124

DISPOSAL AND TRANSPORTATION

Viol #		VIOL	VIOLATION DESCRIPTION
	☐	V0301	Unauth. disposal of waste to:_________. 25189.5
	☐	V0302	Unlawful transportation of hazardous waste. 25163
	☐	V0303	Waste transported without a manifest. 66262.20
	☐	V0304	Waste determination not made. 66262.11

TRAINING, CONTINGENCY PLAN & ER PROCEDURES

Viol #		VIOL	VIOLATION DESCRIPTION
	☐	V0401	Training records unavailable. 66265.16
	☐	V0402	Training program not adequate. 66265.16
	☐	V0403	Facility not designed to minimize release. 66265.31
	☐	V0404	Spill control equip not available. 66265.32
	☐	V0405	Aisle space is obstructed. 66265.35
	☐	V0406	Contingency plan not prepared and/or on file. 66265.51, 66265.53

HAZARDOUS WASTE TANK SYSTEMS

Viol #		VIOL	VIOLATION DESCRIPTION
	☐	V1601	Hazwaste tanks w/o P.E. assessment. 66265.191a, 66265.192a
	☐	V1602	P.E. Assessment report not complete. 66265.191g, 66265.192k
	☐	V1603	Hazwste tank system: no secondary containment. 66265.193a
	☐	V1604	Secondary containment not kept empty. 66265.196(b)(c), 66265.194(c)
	☐	V1605	No daily tank inspection/inspect. log 66265.195 (b&c)
	☐	V1606	Improper or absent spill/overfill protection. 66265.194b
	☐	V1607	Improper corrosion protection. 66265.191, 66265.192
	☐	V1608	Integrity assessment not done for tanks without secondary containment system. 66265.191
	☐	V1609	Improper use of hazwaste tank system. 66265.196
	☐	V1610	No PE assessment report-repairs/changes. 66265.196g
	☐	V1611	Improper closure of haz waste tank unit. 67383.3, 66265.197

HAZARDOUS MATERIALS REQUIREMENTS

BUSINESS PLAN REQUIREMENTS

Viol #		VIOL	VIOLATION DESCRIPTION
	☐	V1001	UPF permit not obtained for Haz. Materials. 68.905
	☐	V1002	Hazardous Materials Business Plan (HMBP) not established/implemented. 25503.5
	☐	V1003	HMBP not amended to reflect changes25505
	☐	V1004	HMBP not submitted to HMD. 25505
	☐	V1005	Emergency Contacts not provided/current. 25509
	☐	V1006	Inventory is incomplete. 25504
	☐	V1007	Highly toxic gas (TLV≤10 ppm) not disclosed in chemical inventory. 68.1113
	☐	V1008	Annual carcinogen & reproductive toxin list not submitted to HMD 68.1113
	☐	V1009	Site map is not sufficient. 25509
	☐	V1010	Failure to report a release/threatened release. 25507
	☐	V1011	Personnel Training records not available. 19 CCR 2732
	☐	V1012	SPCC Plan required but not prepared. 25270.5 (c)
	☐	V2504	Owner or operator (O/O) Stationary Source (SS) with >TPQ of a regulated substance (RS) did not comply with Chapter 4.5 (CalARP process). 2745.1
	☐	V2553	O/O of a new or modified SS with >TPQ of RS did Not submit RMP. 2735.4, 25535 (d)

Cynthia Pike
SIGNATURE OF BUSINESS REPRESENTATIVE

5/2/03
DATE SIGNED

OFFICE MANAGER
TITLE OF BUSINESS REPRESENTATIVE

MAR 0 1 2005

County of San Diego

COMPLIANCE INSPECTION REPORT

PAGE 1of 2
EST. NO. 202243
DATE 31-Jan-05
TIME START END
BUS. CODE 6HK26
SPECIALIST Price
CONTACT Cynthia Price or Catherine
TITLE Sec/Manager
PHONE 619-222-4930

BUSINESS NAME: DRISCOLL'S WHARF
ADDRESS: 4904 N HARBOR DR
CITY/ZIP: SAN DIEGO, 92106

On the above date, an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (HS) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

Y	N/A		Y	N/A	
☐	☐	Unified Program Facility Permit current & Available			Permit Expires on: 5/31/2005
☑	☐	Hazardous Materials Business Plan Available	☑	☐	Contingency plan Available
☑	☐	Employee Training is adequate	☑	☐	Employee Training Available
☑	☐	Waste Disposal records available for review	☑	☐	Waste Containers kept closed
☑	☐	Emergency contacts Current ☐ Updated Today	☑	☐	Waste Containers kept labeled
☑	☐	Chemical Inventory current ☐ Updated Today	☑	☐	Waste containers in good condition

☐ All violations noted on this compliance inspection report were corrected during this inspection

☐ This is an annual certification that the Hazardous Materials Business Plan (inventory, emergency contacts, emergency response plan, and employee training plan) is current and includes all the information required in the H & SC and is maintained at the site where hazardous materials are stored.	Initials of Business Representative ______

Type of inspection(s) conducted this date:

Routine

Permission to conduct inspection, collect samples and take photographs was granted by Cynthia Price, Sec..

General Comments/Remarks

* Observed 2 x white, plastic containers in the hazardous waste storage area. One container had old thinner written on it, the other was unlabeled. Abandoned waste (both solid and hazardous) is a problem that management has addressed.
* Be advised that any absorbant material contaminated with waste oil is by definition a hazardous waste and must be managed and disposed of accordingly (specifically addressing the carpet used around the waste oil tank).
* You may want to participate in the CESQG (Conditionally Exempt Small Quantity Generator) Program for the abandoned waste. Refer to the CESQG flyer provided for more information.
* Suggest that all containers larger than 5-gallons be labeled as EMPTY or designate a storage area with signage stating that it is an empty container storage area. This is to provide easy identification of containers for First Reponders in an emergency.
* Contact Hazardous Materials Division (HMD) Permit Clerks for a duplicate Unified Program Facility Permit if the original is not found @ 619 338-2251.
* Submit copies of disposal receipts for white containers if they are not waste oil.

The following form(s) were provided:

* Conditionally Exempt Small Quantity Generator (CESQG) (CESQG Flyer)

No violations noted during this inspection.

Cynthia Price | OFFICE MANAGER | 1/31/05

Signature of Business Representative | Title | Date

County of San Diego

SUPPLEMENTAL INSPECTION REPORT

EST. NO. 202243
DATE 31-Jan-05

Address: 4904 N HARBOR DR City, Zip SAN DIEGO 92106

Questions and/or correspondence regarding this report should be directed to:

Michelle Price, R.E.H.S.
Environmental Health Specialist II
Department of Environmental Health
Hazardous Materials Division
P. O. Box 129261 MSD561
San Diego , CA , 92112-9261
Email: michelle.price@sdcounty.ca.gov
Phone: (619) 338-2320
Fax: (619) 338-2139
Website: http://www.sdcounty.ca.gov/deh/hmd/

Signature of Business Representative Title Date

ENTERED AUG 0 7 2006

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 2 DATE 7/12/06
PERMIT # 202243
TIME START 2:30 END 4:40
BUS. CODE HK26
SPECIALIST GARCHITORENA
INSPECTION CONTACT/TITLE
CYNTHIA PRICE/ SEC.
PHONE: (619) 222-4930

BUSINESS NAME DRISCOLL'S WHARF
ADDRESS 4918 N. HARBOR DR #203
CITY/ZIP SAN DIEGO, CA 92106

On the above date, an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (HSC) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

Y	N/A		Y	N/A	
☒	☐	**Unified Program Facility Permit current and available**			**Permit Expires on:** 5/31/2007
☒	☐	**Hazardous Materials Business Plan available**	☐	☐	**Contingency Plan available**
☐	☐	**Employee Training is adequate**	☐	☐	**Employee Training records available**
☐	☐	**Waste disposal records available for review**	☐	☐	**Waste containers kept closed**
☒	☐	**Emergency contacts current ☐ Updated today**	☐	☐	**Waste containers kept labeled**
☐	☐	**Chemical inventory current ☐ Updated today**	☒	☐	**Waste containers in good condition**

ROUTINE INSPECTION WITH CYNTHIA PRICE.
VERIFIED USED OIL IN AST. RECEIVED JUL 17 2006
OBSERVATIONS/VIOLATIONS/ TO COMPLY:
(1) ABOVE GROUND STORAGE TANK AND 2X55 GAL. PLASTIC DRUM FOR USED OIL MISSING HAZARDOUS WASTE LABEL.
CORRECTIVE ACTION:
- IMMEDIATELY LABEL ALL THE CONTAINERS WITH A HAZ. WASTE LABEL. MAKE SURE TO COMPLETE ALL THE REQUIRED INFORMATION ON THE LABEL INCLUDING THE ACCUMULATION START DATE.

(2) AST/1X55 PLASTIC CONTAINER OPEN.
CORRECTIVE ACTION: KEEP CONTAINERS CLOSED AT ALL TIMES WHEN NOT IN ACTIVE USE.

REMARKS
- ~~RETURN CORRECT~~ SUBMIT PROOF OF COMPLIANCE IN 15 DAYS (PICTURES)
- ANY QUESTIONS, CALL ME AT 619-338-2416

☒ **This is an annual certification that the Hazardous Materials Business Plan (inventory, emergency contacts, emergency response plan, and employee training plan) is current and includes all the information required in the H&SC and is maintained at the site where hazardous materials are stored.**	CP **Initials of Business Representative**

Cynthia Price — Signature of Business Representative
7/12/06 — Date Signed
OFFICE MANAGER — Title of Business Representative

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
Phone: (619) 338-2222 Fax: (619) 338-2137 1-800-253-9933 http://www.sdcounty.ca.gov/deh/hmd/index.html

HM-924 (03/06) NCR

DISTRIBUTION: WHITE- RETURN TO HMD; YELLOW-BUSINESS RETAINS

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT
Small and Large Quantity Generators of Hazardous Waste
Handlers of Hazardous Materials

PERMIT # 202243
DATE 7/12/06
PAGE 2 OF 2

BUSINESS ADDRESS: 4918 N. HARBOR DRIVE # 203, SAN DIEGO **ZIP:** 92106

VIOLATION REPORT: The items checked below refer to specific section numbers of Titles 19 & 22 of the California Code of Regulations (CCR), Chapters 6.5 & 6.95 of the Health and Safety Code, and/or the San Diego County Code (SDCC). Small Quantity Hazardous Waste Generator=(SQG); Large Hazardous Waste Quantity Generator=(LQG); Code 40 of Federal Regulations=(CFR).
All violations must be corrected. Submit documentation of return to compliance to your Specialist. You may use the Corrective Action Form (HM-926) to document your return to compliance. Your Specialist can provide this form. Please call (619) 338-2222 or your Specialist if you have any questions.

HAZARDOUS MATERIALS REQUIREMENTS

Viol #	V	VIOLATION DESCRIPTION
	☐ 1001	UPF permit not obtained for hazardous materials. 68.905
	☐ 1002	HMBP not established/implemented. 25503.5(a)
	☐ 1004	HMBP not submitted to HMD. 25505(a)
	☐ 1005	Emergency contact not provided or current. 25509(a)(7)
	☐ 1007	Highly toxic gas (TLV≤10 ppm) not disclosed.68.1113(b)
	☐ 1008	Annual carcinogen/reproductive toxin list not sent to HMD. 68.1113(c)
	☐ 1009	Site map is not sufficient or complete. 25509(a)(5) & 25505(a)(2)
	☐ 1010	Did not report release or threatened release. 25507(a), CCR 2703
	☐ 1013	Copy of HMBP not onsite for inspector's review. 25505(e)
	☐ 1014	HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
	☐ 1015	Did not have adequate employee training program 2732 &/or 25504 (c)
	☐ 1016	Failure to have an adequate emergency response plan 25504 (b); 2731
	☐ 1017	Business Plan not certified annually. 25505(d) & (e)(2)
	☐ 1018	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510

HAZWASTE REQUIREMENTS FOR LQGs & SQGs

RECORDKEEPING

Viol #	V	VIOLATION DESCRIPTION
	☐ 0131	Unified Program Facility (UPF) permit not obtained. SDCC 68.905
	☐ 0132	Failed to obtain & maintain a valid EPA ID Number. 66262.12(a)
	☐ 0133	Failed to send manifest copy to DTSC. 66262.23(a)(4)
	☐ 0134	Failed to file Exception Report with DTSC. 66262.42
	☐ 0135	Failed to keep waste manifests/receipts for 3 years available for inspection. 66262.40(a) & 25160.2(b)(3)
	☐ 0136	Did not have records of battery disposal. 66266.81(a)(4)(B)
	☐ 0137	Failed to complete manifest properly. 66262.23(a)
	☐ 0138	Failed to have TSDF copy of manifest onsite. 66262.40(a)
	☐ 0140	Failed to have LDR documentation onsite. 66268.7(a)(8)
	☐ 0141	Failed to obtain approval for TSDF. 25201(a)
	☐ 0142	Failed to notify CUPA for eligible onsite treatment. 25201(a)
	☐ 0145	ERM reporting not submitted biennially &/or available. 25143.10
	☐ 0146	Failed to have adequate records demonstrating claim of exemption for Excluded Recyclable Material (ERM). 25143.2(f) & 66261.2(g)
	☐ 0147	Failed to keep universal waste record for 3 years for offsite shipment. SQH:66273.19(b)&(c)(2); LQH:66273.39(b)&(c)(2)
	☐ 0148	Failed to keep copies of analytical results, waste analysis records, or waste determination results. (3 years) 66262.40(c)
	☐ 0149	Failed to keep disposal receipts (3 years) for drained used oil filters and/or drained fuel filters. 25250.22 and 66266.130(c)(5)

DISPOSAL AND TRANSPORTATION

Viol #	V	VIOLATION DESCRIPTION
	☐ 0301	Unauthorized disposal of hazardous waste. 25189.5(a) or 25189(d)
	☐ 0302	Unlawful transportation of hazardous waste (HW). 25163(a)
	☐ 0303	Did not use HW manifest for disposal.66262.20(a), 25160.2(b)9
	☐ 0304	Failed to make a proper waste determination. 66262.11 & 66260.200(c)
	☐ 0305	Disposed of used oil illegally. 25250.5(a) and 25189.5(a)
	☐ 0306	Disposed of latex paint illegally. 25217.1
	☐ 0307	Disposal of universal waste to an unauthorized point. 25189.5(a); SQH:66273.11(a); LQH 66273.31(a)
	☐ 0308	Impermissible dilution of hazardous waste. 66268.3(a)

HAZWASTE REQUIREMENTS FOR LQGs & SQGs

Viol #	V	VIOLATION DESCRIPTION
		STORAGE AND HANDLING
	☐ 0216	Failed to label hazardous materials within 10 days or less. 25124(b)(3)(A) & 66262.34(f)
	☐ 0217	Failed to repackage damaged/deteriorated hazardous material container within 96 hours. 25124(b)(3)(B) & 66262.34(f)
	☐ 0218	Failed to label &/or close drained ☐used oil filters &/or ☐ used fuel filters. 25250.22 and 66266.130(c)(3)
	☐ 0219	Failed to properly segregate used oil &/or fuel drained from filters. 66266.130(c)(6) or 25250.22(b)(4)
	☐ 0220	Spent lead acid batteries not properly managed. 66266.81
	☐ 0221	Failed to comply with satellite regulations. 66262.34(e)
	☐ 0222	Failed to properly label ERM. 25143.9(a)
	☐ 0223	Failed to properly manage non-empty container or inner liner removed from a container. 66261.7 (b), (d) &/or (r)
	☐ 0224	Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 66261.7(e) & (f).

HAZWASTE REQUIREMENTS FOR SQGs ONLY

STORAGE AND HANDLING-Pursuant to 66262.34(d)

Viol #	V	VIOLATION DESCRIPTION
	☐ 0225	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e) & (f), &/or 25201(a) [>90 days for an AHW waste]
	☐ 0226	Did not accumulate waste in container or tank. 66262.34 (d)(2)
1	☒ 0227	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
2	☒ 0228	Failed to keep container closed. CFR 265.173
	☐ 0229	Failed to conduct weekly inspections. CFR 265.174
	☐ 0230	Failed to maintain aisle space. CFR 265.35
	☐ 0231	Failed to properly separate incompatible wastes. CFR 265.177
	☐ 0232	Waste accumulated in a container in poor condition. CFR 265.171
	☐ 0233	Failed to use a lined/compatible container. CFR 265.172.
	☐ 0234	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31

TRAINING, CONTINGENCY PLAN & ER PROCEDURES
Pursuant to 66262.34(d)(2)

Viol #	V	VIOLATION DESCRIPTION
	☐ 0407	Employee training program not adequate. CFR 262.34(d)(5)(ii)
	☐ 0408	Failed to post ER plan by phone. CFR 262.34(d)(5)(ii)
	☐ 0409	Spill/fire control equip not available. CFR 265.32(c)
	☐ 0410	Failed to equip facility with internal communication or alarm. CFR 265.32(a) & (b)
	☐ 0411	Failed to carry out contingency plan during an emergency. CFR 262.34(d)(5)(iv)
	☐ 0412	Failed to have an emergency coordinator on call or available during emergency. CFR 262.34(d)(5)(i)

HAZARDOUS WASTE TANK SYSTEMS Pursuant to 66262.34(d)(2)

Viol #	V	VIOLATION DESCRIPTION
	☐ 1612	Hazardous waste improperly stored in a tank system that ☐leaks, ☐ is corroded, or ☐failing. CFR 265.201(b)(2)
	☐ 1613	Failed to comply with tank standards which include: two feet of freeboard (where applicable), shut off for waste feed line, & daily and weekly inspections. CFR 265.201(b) & (c)
	☐ 1614	Failed to properly complete &/or document closure for a hazardous waste tank. CFR 265.201(d) & 67383.3
	☐ 1615	Failed to safely accumulate ignitable or reactive waste in a tank. CFR 265.201(e)
	☐ 1616	Failed to safely manage incompatible waste in a tank. CFR 265.201(f)

Cynthia Price	7/12/06	OFFICE MANAGER
SIGNATURE OF BUSINESS REPRESENTATIVE	DATE SIGNED	TITLE OF BUSINESS REPRESENTATIVE

DRISCOLL'S WHARF
Marina • Offices • Fish Market • Restaurant

4900 - 4930 North Harbor Drive, San Diego, California 92106 619-222-4930 Fax: 619-222-4980

August 4, 2008

Margarita Mogollon
County of San Diego
Hazardous Materials Division
P. O. Box 129261
San Diego, CA 92112-9261

RE: Compliance Inspection

Dear Margarita:

Regarding the violation for not having waste receipts for the used oily absorbents, I have contacted Asbury and they have no record of any manifest for this waste, although we did dispose the waste through this transporter. For all future pick ups of this nature or any kind of hazardous materials all documentation will be kept on file. We currently have three properly labeled hazardous containers located in our yard. We have always used Asbury for the disposal of all our hazardous waste and have always disposed of used absorbents within regulations. My contact at Asbury Environmental is Ellen, she can be reached at 619-463-1126.

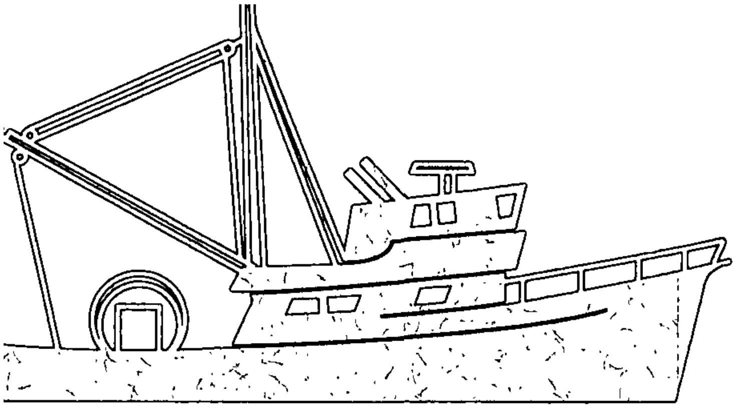
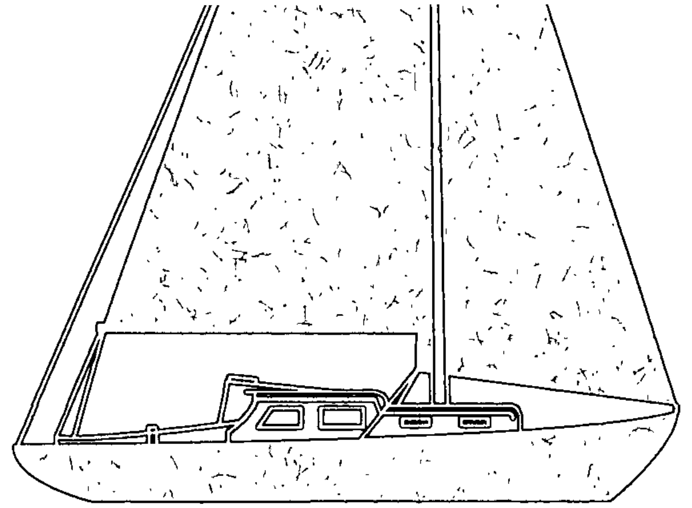
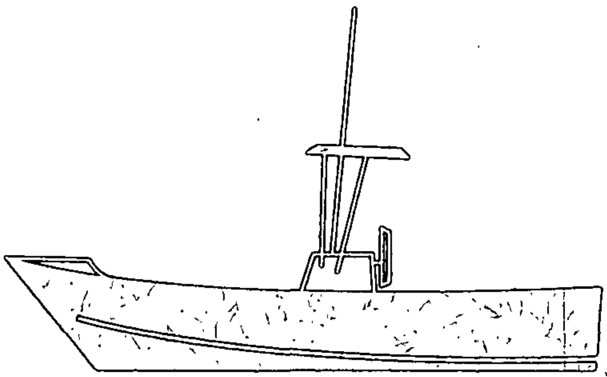
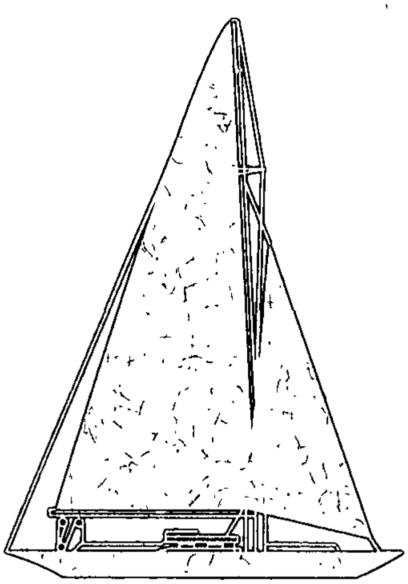
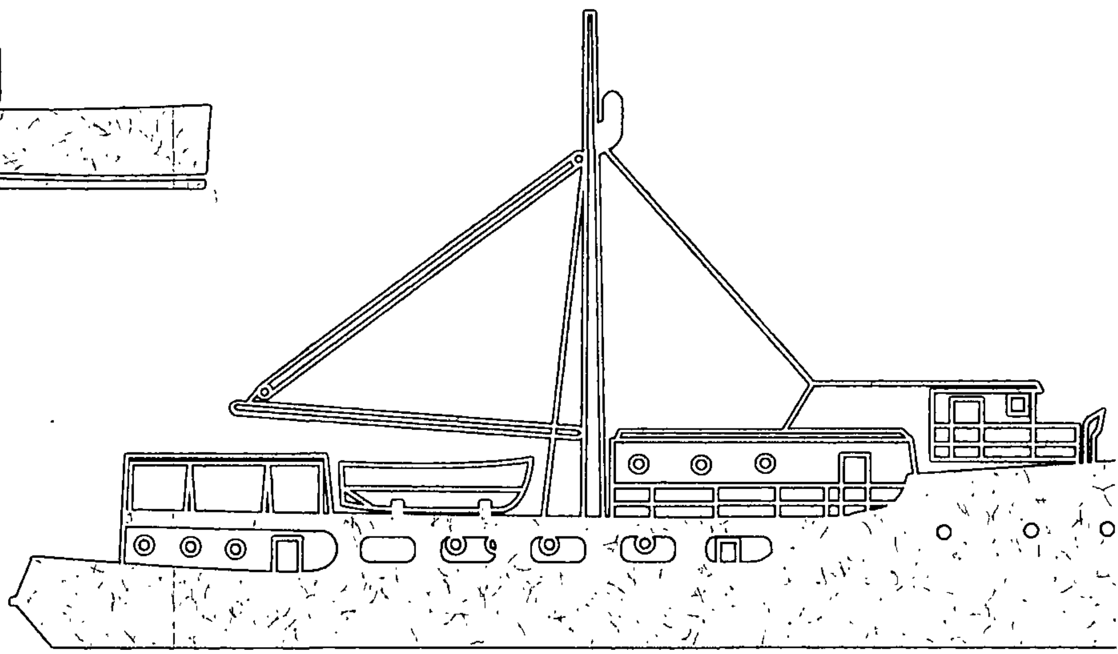
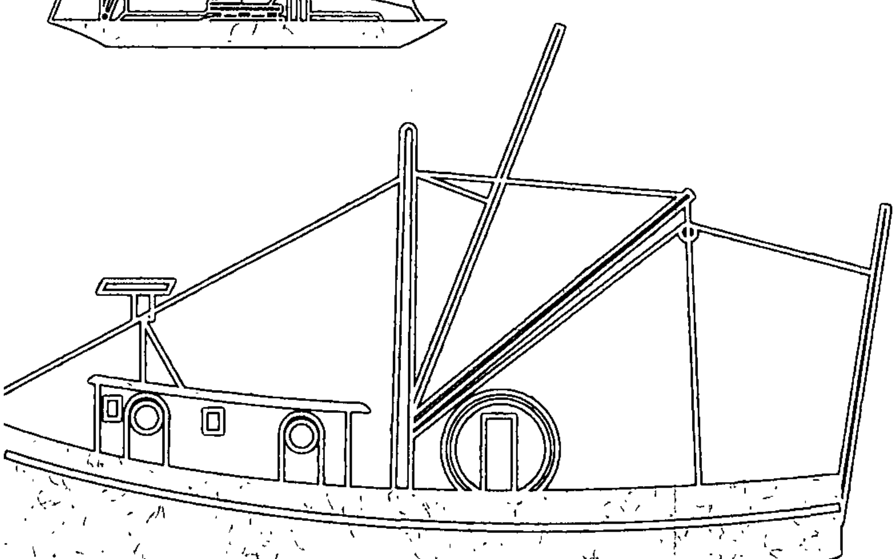
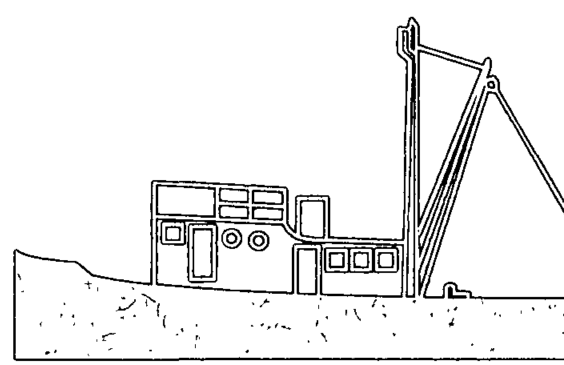
Let me know if you need anything further. If you have any questions, please feel free to contact me.

Sincerely,

Cynthia Price

Cynthia Price
Manager

Cc Catherine Driscoll

FAX TO DRISCOLL'S WHARF

COUNTY OF SAN DIEGO

CORRECTIVE ACTION FORM TO DOCUMENT RETURN TO COMPLIANCE

PERMIT #: 202243
SPECIALIST: M MOGOLLON
INSPECTION DATE: 5/16/08
CONTACT: CYNTHIA PRICE

BUSINESS NAME Driscoll's Wharf

ADDRESS 4918 N. Harbor Dr. #203 CITY San Diego ZIP 92106

VIOL #	DATE CORRECTED	INDICATE HOW VIOLATIONS WERE CORRECTED (ATTACH ANY SUPPORTING DOCUMENTATION TO THIS FORM)
1 v 1014	7/9/08	Propane safety/Site Map/Inventory. Site map updated on-site, Photo mailed 7/7/08
2 v 0135	8/4/08	Waste Receipts - Used Oily Solids - (Absorbent) SEE ATTACHED LETTER
3 v	7/9/08	Pics of Secondary Containment Cleanout. Photos mailed 7/7/08
4 v	/ /	
5 v	/ /	
6 v	/ /	
7 v	/ /	
8 v	/ /	
9 v	/ /	
10 v	/ /	

I certify under penalty of law that this business/site has corrected all violations marked on the Compliance Inspection Report/Notice of Violation. I have personally examined and am familiar with the information submitted and believe the information is true, accurate and complete. I am authorized to file this certification for the business/site, and am aware that there are significant penalties for submitting false information.

Responsible Party: CYNTHIA PRICE (Print Name) **Job Title** OFFICE MGR

Signature of Responsible Party: Cynthia Price **Date:** 8/4/08

< Send completed form and supporting documentation to the address listed below >

COUNTY OF SAN DIEGO USE ONLY: Reviewed by: Margarita Mogollon Date: 8/14/08
(Specialist's name and date required for processing)

Specialist's comments: See Telephone Log re P/C to Asbury Env. Svcs. No records for disposal of Oily Solids (Rags/Absorbent) in past. Corrected for current usage only. See photos taken 8/4/08. Updated site map rec'd 9/2/08

☒ All violations noted on date listed above were corrected.
☒ Based on information provided by the business
☒ Based on field verification by Specialist

☒ RTC entered in Kiva by Specialist on: 10/14/08 ☐ RTC entered in Kiva by Clerical on: / /

SEND COPY TO:

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
http://www.sdcdeh.org//hmd 619-338-2222; 1-800-253-9933; Fax 619-338-~~2377~~ 2139

Attn: Margarita

HM-926 (07-06) NCR

DISTRIBUTION: WHITE-RETURN TO HMD; YELLOW-BUSINESS RETAINS

RECORD OF MEETING/TELEPHONE CONVERSATION

CHECK APPROPRIATE BOX:

☐ MINUTES OF MEETING H# 202243

☒ TELEPHONE CONVERSATION

DATE 8/4/08 TIME 3:58 pm LOCATION Office

ATTENDEES/AGENCIES REPRESENTED * Asbury Environmental Services

PHONE NO. (619) 403 - 1126

☒ PERSON CALLING/CALLED Ellen Graves, Admin./Manifest Processing.
Asbury Environmental Services (AES

☐ AGENCY REPRESENTED

CONVERSATION/MINUTES ** Re: Driscoll's Wharf, 4918 N. Harbor Dr. San Diego CA 92106, UPFP#202243. Disposal of Oily Solids (absorbents (Kitty Litter &/or rags)

Per E. Graves of Asbury (AES), she contacted the Treatment Storage & Disposal facility (TSDF) they use for disposal of oily solids. The TSDF had no records for Driscoll's Wharf for disposal between 2006 and the present. E. Graves stated that "either Driscoll's Wharf used another "vendor" or they did not dispose of oily absorbents during the time frame in question." E. Graves stated she processes the manifests for AES

NAME

SIGNED

AGENCY - COUNTY OF SAN DIEGO, DEPARTMENT OF ENVIRONMENTAL HEALTH

* A sign-in sheet (HM-9048) should be passed around at the beginning of the meeting, allowing all representatives to sign their name, list the agency they are representing, and telephone number.

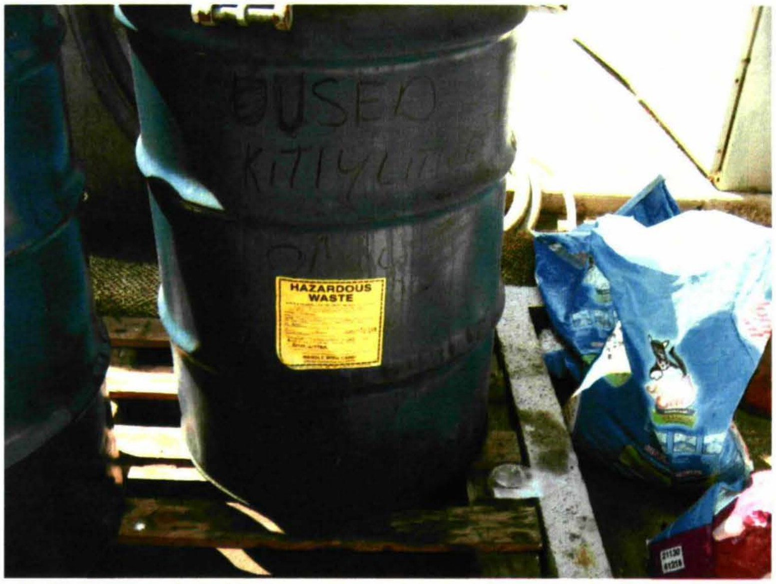
** Brief summary of subject, agreements, directions, and/or instructions and anything else pertinent. Use extra sheets as necessary.

Please scan all photos in Color

Driscoll's Wharf, 4918 N. Harbor Drive, San Diego 92106
Permit 204401 - Photos by M. Mogollon, HMD - 2008-08-04

55-gallon drum was obtained for the proper accumulation and disposal of used oily solids/absorbents (rags). 1

Driscoll's Wharf, 4918 N. Harbor Drive, San Diego 92106
Permit 204401 - Photos by M. Mogollon, HMD - 2008-08-04



55-gallon drum was obtained for the proper accumulation and disposal of used oily solids (kitty litter). 2

GARY W. ERBECK
DIRECTOR

County of San Diego

DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2139
1-800-253-9933

JACK MILLER
ASSISTANT DIRECTOR

Fax

To:	Cynthia Price, Driscoll's Wharf	**From:**	Margarita Mogollón, Environmental Health Specialist
Fax:	619-222-4980	**Phone:**	(619) 338-2313
Phone:	619-222-4930	**Date:**	7/15/08
Re:	Unified Program Facility Permit #202243	**Pages:**	2 (including cover page)

☒ **Urgent** ☐ **For Review** ☐ **Please Comment** ☒ **Please Reply** ☐ **Please Recycle**

- **Comments:**

Hello Cynthia,

I was checking on past inspections in my reports and found that I have not received the corrective actions to return your facility to compliance following my 5/16/08 inspection for hazardous waste/hazardous materials. If you sent them previously, I didn't get them. I am faxing over a Corrective Action form to complete and to use as a cover page for attachments documenting your corrections. Please get this back to me within the next two weeks so that I can get your file updated and avoid re-inspection (which has a Reinspection Fee associated).

Feel free to contact me if you have any questions regarding the items listed on your 5/16/08 inspection report.

Thanks much,

Margarita Mogollón

DRISCOLL'S WHARF

Marina • Offices • Fish Market • Restaurant

4900 - 4930 North Harbor Drive, San Diego, California 92106 619-222-4930 Fax 619-222-4980

RECEIVED
JUL 09 2008
ENVIRONMENTAL HEALTH

July 7, 2008

Margarita Mogollon
County of San Diego
Hazardous Materials Division
P. O. Box 129261
San Diego, CA 92112-9261

RE: Compliance Inspection

Dear Margarita:

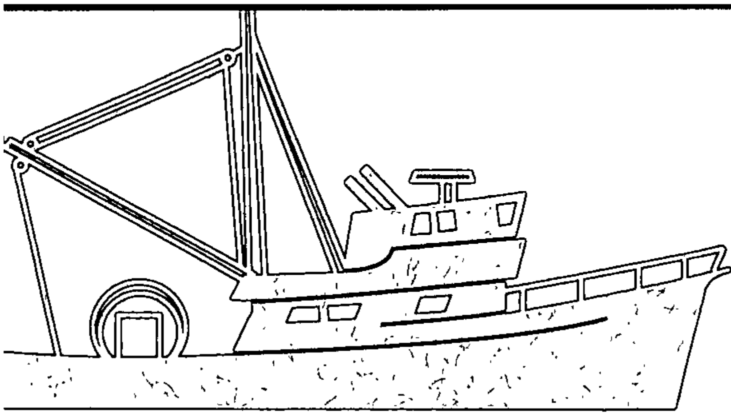
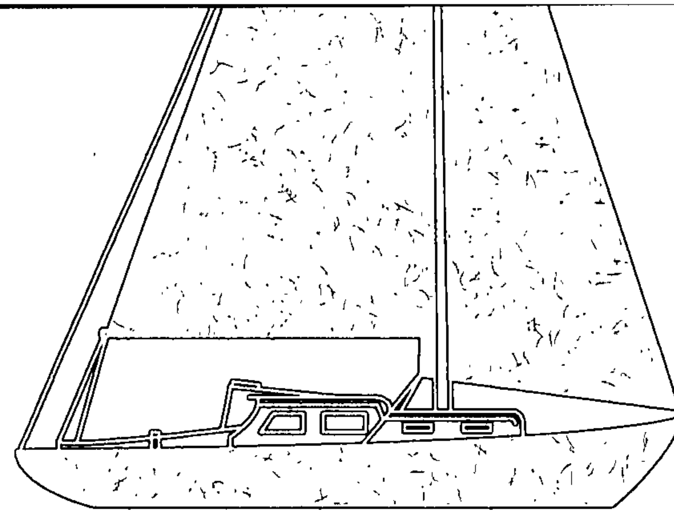
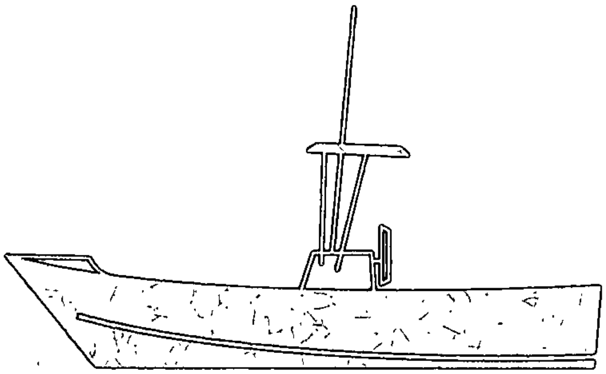
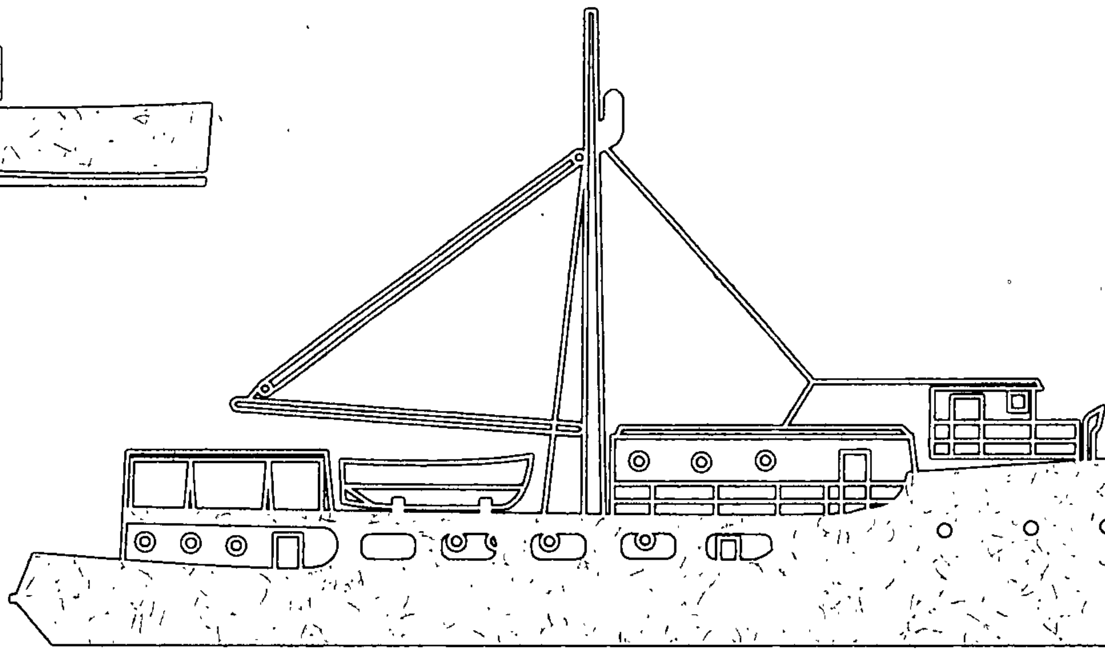
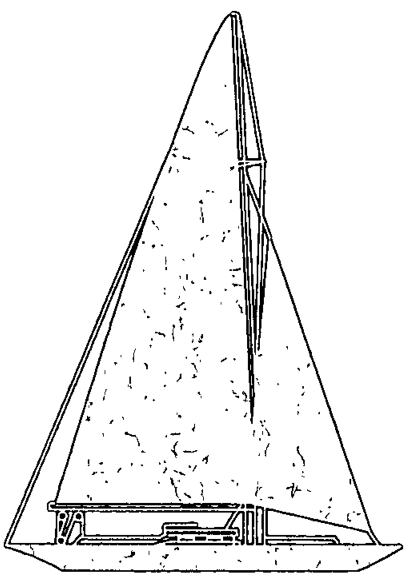
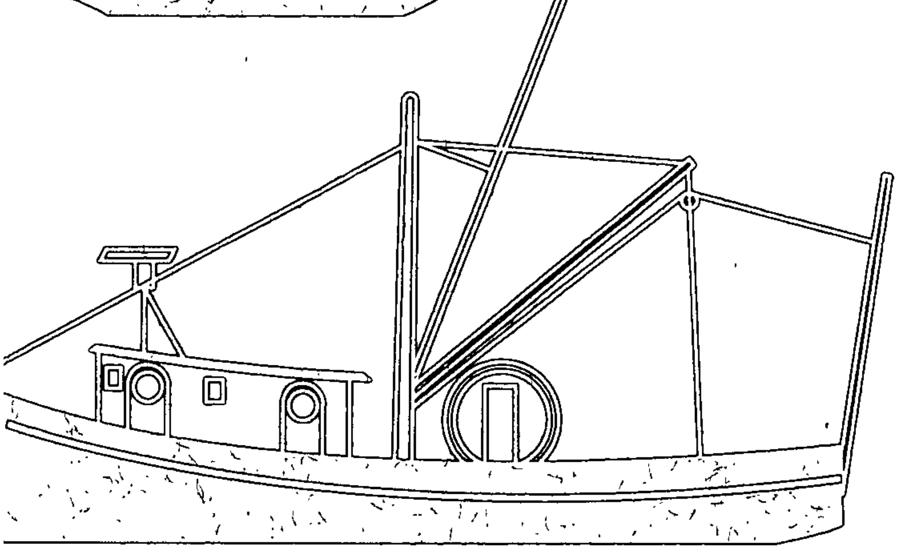
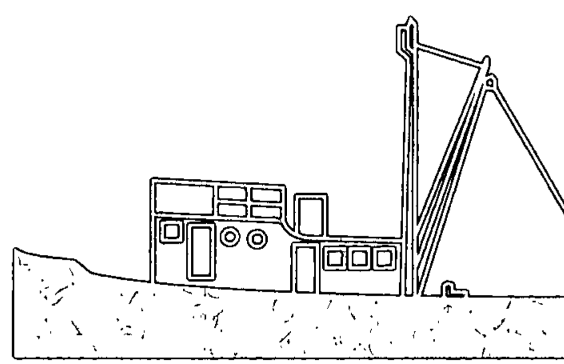
I have enclosed some photos of the changes we made here as noted in your report. I am still waiting on the disposal receipts for the used absorbents and will forward when I receive it.

Let me know if you need anything further. If you have any questions, please feel free to contact me.

Sincerely,

Cynthia Price
Manager

Cc Catherine Driscoll

Driscoll's Wharf, 4918 N. Harbor Dr, San Diego, CA 92106, UPFP# 202243, July 9, 2008

PHOTO No.1: Spare propane tanks have been chained to wall to minimize accidental impacts which could cause a sudden release.

PHOTO No.2: Close-up of spare propane tanks chained to wall I upright manner.

PHOTO No.3: Close-up of spare propane tank1 attachment to wall with chains.

PHOTO No.4: Close-up of spare propane tank 2 attachment to wall with chains

PHOTO No.5: Hazardous waste drums were removed from secondary containment and stored in temporary area with BMPs to reduce spill hazard to bay while cleaning secondary containment structure.

PHOTO No.6: Another view of Hazardous waste drums removed from secondary containment and placed in temporary accumulation area so that secondary containment structure could be cleaned.

PHOTO No.7: Close-up of hazardous waste drums stored in temporary area with BMPs while cleaning secondary containment structure. Photo shows used oil filters as additional waste item added to waste inventory.

PHOTO No.8: View of Hazardous waste secondary containment structure being raised so that the base containment area could be cleaned.

PHOTO No.9: Another view of Hazardous Waste secondary containment structure being raised so that the base containment area could be cleaned.

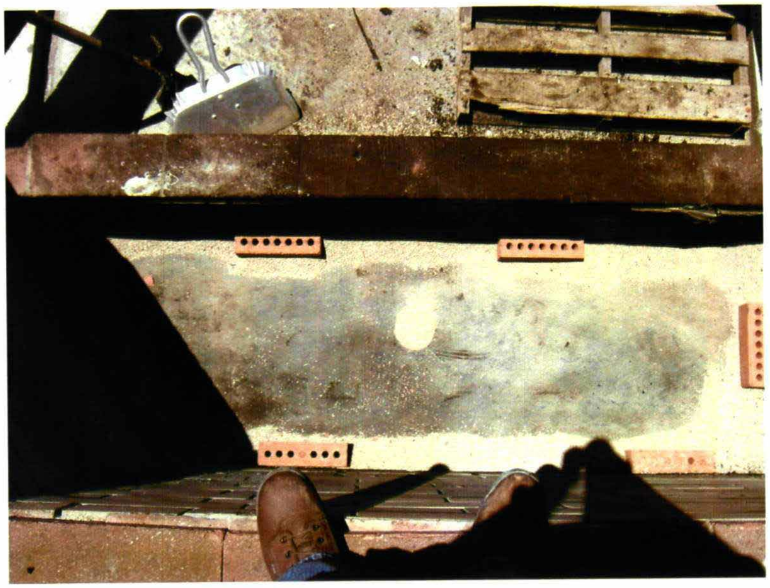


PHOTO No.10: View of base of Hazardous waste secondary containment structure. Photo shows the oily debris was cleaned up.

ENTERED AUG 2 6 2008

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 3 DATE 5/16/08
PERMIT # 202243
TIME START 8:30 END 11:20
BUS. CODE HL 33
SPECIALIST M. MOGOLLON
INSPECTION CONTACT/TITLE CYNTHIA PRICE / OFFICE MGR.
PHONE: (619) 222-4930

BUSINESS NAME DRISCOLL'S WHARF
ADDRESS 4918 N. HARBOR DR., #203.
CITY/ZIP SAN DIEGO / 92106

On the above date, an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (HSC) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

Y	N/A		Y	N/A	
☒	☐	Unified Program Facility Permit current and available			Permit Expires on: 31 MAY 08
☒	☐	Hazardous Materials Business Plan available (AMGP)	☐	☐	Contingency Plan available
☐	☐	Employee Training is adequate	☐	☐	Employee Training records available
☐	☐	Waste disposal records available for review	☐	☐	Waste containers kept closed
☐	☐	Emergency contacts current ☒ Updated today	☐	☐	Waste containers kept labeled
☐	☐	Chemical inventory current ☒ Updated today	☐	☐	Waste containers in good condition

ROUTINE HAZMAT / HAZWASTE (HW) INSPECTION:
- I conducted a complete inspection today authorized by Catherine Driscoll, Vice President & also facilitated by Cynthia Price, Office Mgr

RECEIVED JUL 2 1 2008

Observations / Violations / Notice To Comply*:
① The HMBP was not up-to-date to reflect changes in Emergency Coordinator Info and to include propane on-site today (2 x 8 gal cylinders = 587 cft.) + used/waste fuel.
* CORRECTIVE ACTION: Site map was updated today to include propane; - 587 cft will be added and 70 gal waste fuel to inventory. Note: Propane tanks must be secured to prevent release by chaining tanks against a wall or in a cart. Submit documentation that the propane cylinders have been secured w/i 30 days to this office.
② Disposal records for used/oil absorbents & pads ~~were~~ were not available for the last 3 years.
* CORRECTIVE ACTION: Submit most recent disposal receipts for used absorbents w/oil to this office w/i 30 days.

☐ This is an annual certification that the Hazardous Materials Business Plan (inventory, emergency contacts, emergency response plan, and employee training plan) is current and includes all the information required in the H&SC and is maintained at the site where hazardous materials are stored. | Initials of Business Representative

Cynthia Price — Signature of Business Representative
5/16/08 — Date Signed
OFFICE MANAGER — Title of Business Representative

For any questions, call my office @ 619-338-2313.

COUNTY OF SAN DIEGO

SUPPLEMENTAL COMPLIANCE INSPECTION REPORT

PERMIT # 202243
DATE 5/16/08
PAGE 2 OF 3

BUSINESS ADDRESS: 4918 N. Harbor Dr. #203   ZIP CODE: 92106

Remarks:
(3) Dates of start of accumulation for waste oil tank were not visible upon 1st inspection but were revealed by end of inspection so violation was removed.

(4) Battery receipts from PowerStride were avail. - dispose of approx. 20 batteries/year = ~40 lbs. Store properly on pallet.

(5) Universal Waste - (Used Fluor. bulbs) have been disposed through City of SD office on-site. No prev. receipts kept but will begin keeping receipts for 3 years from now on.

(6) Observed approx. 100 gal. max above ground tank/processing equipment for dipping lobster cages into tar. If this eqp. will no longer be used - conduct a waste determination to show that the tar is not hazardous waste or dispose of the tar per Haz Waste laws & Regulations.

(7) Photos from previous inspection (2006) corrective action were received today. Photos were taken/corrections done on 6/26/06

Cynthia Price
SIGNATURE OF BUSINESS REPRESENTATIVE

5/16/08
DATE SIGNED

OFFICE MANAGER
TITLE OF BUSINESS REPRESENTATIVE

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT
Small and Large Quantity Generators of Hazardous Waste
Handlers of Hazardous Materials

PERMIT # 202243
DATE 5/16/08

BUSINESS ADDRESS: 4918 N. Harbor Dr., #203, San Diego **ZIP:** 92106

VIOLATION REPORT: The items checked below refer to specific section numbers of Titles 19 & 22 of the California Code of Regulations (CCR), Chapters 6.5 & 6.95 of the Health and Safety Code, and/or the San Diego County Code (SDCC). Small Quantity Hazardous Waste Generator=(SQG); Large Hazardous Waste Quantity Generator=(LQG); Code 40 of Federal Regulations=(CFR).
All violations must be corrected. Submit documentation of return to compliance to your Specialist. You may use the Corrective Action Form (HM-926) to document your return to compliance. Your Specialist can provide this form. Please call (619) 338-2222 or your Specialist if you have any questions.

HAZARDOUS MATERIALS REQUIREMENTS

Viol #	V	VIOLATION DESCRIPTION
	☐ 1001	UPF permit not obtained for hazardous materials. 68.905
	☐ 1002	HMBP not established/implemented. 25503.5(a)
	☐ 1004	HMBP not submitted to HMD. 25505(a)
OK	☒ 1005	Emergency contact not provided or current. 25509(a)(7) see below #1014
	☐ 1007	Highly toxic gas (TLV≤10 ppm) not disclosed. 68.1113(b)
	☐ 1008	Annual carcinogen/reproductive toxin list not sent to HMD. 68.1113(c)
	☐ 1009	Site map is not sufficient or complete. 25509(a)(5) & 25505(a)(2)
	☐ 1010	Did not report release or threatened release. 25507(a), CCR 2703
	☐ 1013	Copy of HMBP not onsite for inspector's review. 25505(e)
1	☒ 1014	HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
	☐ 1015	Did not have adequate employee training program 2732 &/or 25504 (c)
	☐ 1016	Failure to have an adequate emergency response plan 25504 (b); 2731
	☐ 1017	Business Plan not certified annually. 25505(d) & (e)(2)
	☐ 1018	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510

HAZWASTE REQUIREMENTS FOR LQGs & SQGs

RECORDKEEPING

Viol #	V	VIOLATION DESCRIPTION
	☐ 0131	Unified Program Facility (UPF) permit not obtained. SDCC 68.905
	☐ 0132	Failed to obtain & maintain a valid EPA ID Number. 66262.12(a)
	☐ 0133	Failed to send manifest copy to DTSC. 66262.23(a)(4)
	☐ 0134	Failed to file Exception Report with DTSC. 66262.42
3	☒ 0135	Failed to keep waste manifests/receipts for 3 years available for inspection. 66262.40(a) & 25160.2(b)(3)
	☐ 0136	Did not have records of battery disposal. 66266.81(a)(4)(B)
	☐ 0137	Failed to complete manifest properly. 66262.23(a)
	☐ 0138	Failed to have TSDF copy of manifest onsite. 66262.40(a)
	☐ 0140	Failed to have LDR documentation onsite. 66268.7(a)(8)
	☐ 0141	Failed to obtain approval for TSDF. 25201(a)
	☐ 0142	Failed to notify CUPA for eligible onsite treatment. 25201(a)
	☐ 0145	ERM reporting not submitted biennially &/or available. 25143.10
	☐ 0146	Failed to have adequate records demonstrating claim of exemption for Excluded Recyclable Material (ERM). 25143.2(f) & 66261.2(g)
	☐ 0147	Failed to keep universal waste record for 3 years for offsite shipment. SQH:66273.19(b)&(c)(2); LQH:66273.39(b)&(c)(2)
	☐ 0148	Failed to keep copies of analytical results, waste analysis records, or waste determination results. (3 years) 66262.40(c)
	☐ 0149	Failed to keep disposal receipts (3 years) for drained used oil filters and/or drained fuel filters. 25250.22 and 66266.130(c)(5)

DISPOSAL AND TRANSPORTATION

Viol #	V	VIOLATION DESCRIPTION
	☐ 0301	Unauthorized disposal of hazardous waste. 25189.5(a) or 25189(d)
	☐ 0302	Unlawful transportation of hazardous waste (HW). 25163(a)
	☐ 0303	Did not use HW manifest for disposal. 66262.20(a), 25160.2(b)9
	☐ 0304	Failed to make a proper waste determination. 66262.11 & 66260.200(c)
	☐ 0305	Disposed of used oil illegally. 25250.5(a) and 25189.5(a)
	☐ 0306	Disposed of latex paint illegally. 25217.1
	☐ 0307	Disposal of universal waste to an unauthorized point. 25189.5(a); SQH:66273.11(a); LQH 66273.31(a)
	☐ 0308	Impermissible dilution of hazardous waste. 66268.3(a)

HAZWASTE REQUIREMENTS FOR LQGs & SQGs

STORAGE AND HANDLING

Viol #	V	VIOLATION DESCRIPTION
	☐ 0216	Failed to label hazardous materials within 10 days or less. 25124(b)(3)(A) & 66262.34(f)
	☐ 0217	Failed to repackage damaged/deteriorated hazardous material container within 96 hours. 25124(b)(3)(B) & 66262.34(f)
	☐ 0218	Failed to label &/or close drained ☐ used oil filters &/or ☐ used fuel filters. 25250.22 and 66266.130(c)(3)
	☐ 0219	Failed to properly segregate used oil &/or fuel drained from filters. 66266.130(c)(6) or 25250.22(b)(4)
	☐ 0220	Spent lead acid batteries not properly managed. 66266.81
	☐ 0221	Failed to comply with satellite regulations. 66262.34(e) ✓
	☐ 0222	Failed to properly label ERM. 25143.9(a)
	☐ 0223	Failed to properly manage non-empty container or inner liner removed from a container. 66261.7 (b), (d) &/or (r)
	☐ 0224	Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 66261.7(e) & (f).

HAZWASTE REQUIREMENTS FOR SQGs ONLY

STORAGE AND HANDLING-Pursuant to 66262.34(d)

Viol #	V	VIOLATION DESCRIPTION
OK	☐ 0225	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e) & (f), &/or 25201(a) [>90 days for an AHW waste]
2	☒ 0226	~~Did not accumulate waste in container or tank. 66262.34 (d)(2)~~
	☐ 0227	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
	☐ 0228	Failed to keep container closed. CFR 265.173
	☐ 0229	Failed to conduct weekly inspections. CFR 265.174
	☐ 0230	Failed to maintain aisle space. CFR 265.35
	☐ 0231	Failed to properly separate incompatible wastes. CFR 265.177
	☐ 0232	Waste accumulated in a container in poor condition. CFR 265.171
	☐ 0233	Failed to use a lined/compatible container. CFR 265.172.
	☐ 0234	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31

TRAINING, CONTINGENCY PLAN & ER PROCEDURES
Pursuant to 66262.34(d)(2)

Viol #	V	VIOLATION DESCRIPTION
	☐ 0407	Employee training program not adequate. CFR 262.34(d)(5)(iii)
	☐ 0408	Failed to post ER plan by phone. CFR 262.34(d)(5)(ii)
	☐ 0409	Spill/fire control equip not available. CFR 265.32(c)
	☐ 0410	Failed to equip facility with internal communication or alarm. CFR 265.32(a) & (b)
	☐ 0411	Failed to carry out contingency plan during an emergency. CFR 262.34(d)(5)(iv)
	☐ 0412	Failed to have an emergency coordinator on call or available during emergency. CFR 262.34(d)(5)(i)

HAZARDOUS WASTE TANK SYSTEMS Pursuant to 66262.34(d)(2)

Viol #	V	VIOLATION DESCRIPTION
	☐ 1612	Hazardous waste improperly stored in a tank system that ☐ leaks, ☐ is corroded, or ☐ failing. CFR 265.201(b)(2)
	☐ 1613	Failed to comply with tank standards which include: two feet of freeboard (where applicable), shut off for waste feed line, & daily and weekly inspections. CFR 265.201(b) & (c)
	☐ 1614	Failed to properly complete &/or document closure for a hazardous waste tank. CFR 265.201(d) & 67383.3
	☐ 1615	Failed to safely accumulate ignitable or reactive waste in a tank. CFR 265.201(e)
	☐ 1616	Failed to safely manage incompatible waste in a tank. CFR 265.201(f)

Cynthia Price — SIGNATURE OF BUSINESS REPRESENTATIVE
5/16/08 — DATE SIGNED
OFFICE MANAGER — TITLE OF BUSINESS REPRESENTATIVE

DEH-Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261

Driscoll's Wharf, 4918 N. Harbor Drive, San Diego 92106
UPFP# 202243 - Photos by M. Mogollon, HMD - 5/16/08

Hazardous Waste container storage area pad and gated containment structure for Used Oil Above-ground storage tank (AST).

Driscoll's Wharf, 4918 N. Harbor Drive, San Diego 92106
UPFP# 202243 - Photos by M. Mogollon, HMD - 5/16/08

Used Oil AST within secondary containment structure (gate open).

Driscoll's Wharf, 4918 N. Harbor Drive, San Diego 92106
UPFP# 202243 - Photos by M. Mogollon, HMD - 5/16/08

Used Oil AST within secondary containment structure. Close-up of oily debris on floor of secondary containment.

Driscoll's Wharf, 4918 N. harbor Dr., #203, San Diego, Ca 92106, UPFP# 202243, May 16, 2008

FILE

PHOTO NO.1: Per Office Manager, Cynthia Price, photos of hazardous waste (HW) container storage area were taken on 8/26/06 to correct violations from 7/12/06 compliance inspection by B. Garchitorena. C. Price gave them to me during my 5/16/08 inspection and said she had forgotten to mail them before. Photo shows closed containers.

PHOTO NO.2: 8/26/06 photo of completed drum labels in HW container storage area.

DEH:HM-9125 (11/01)

Driscoll's Wharf, 4918 N. harbor Dr., #203, San Diego, Ca 92106, UPFP# 202243, May 16, 2008

PHOTO NO.3: 8/26/06 photo of HW container storage area. Close-up of completed label on white plastic drum of waste oil

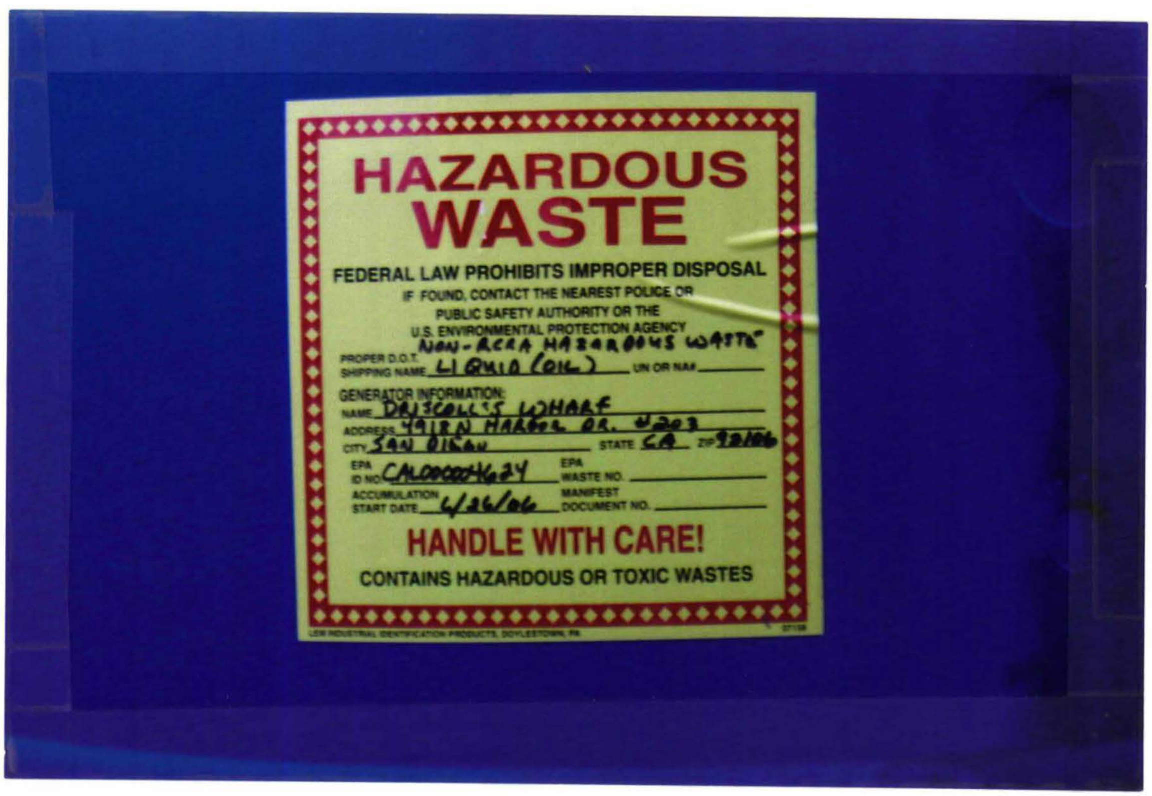


PHOTO NO.4: : 8/26/06 photo of HW container storage area. Close-up of completed label on blue plastic drum of waste oil.

DEH:HM-9125 (11/01)

SAN DIEGO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH-CUPA
HAZARDOUS MATERIALS DIVISION
P.O. Box 129261, San Diego, CA 92112-9261
1-800-253-9933 (619) 338-2222 Fax (619) 338-2377

HAZARDOUS MATERIALS BUSINESS PLAN CERTIFICATION

The California Health & Safety Code (H&SC), Division 20, Chapter 6.95, Section 25505 provides for the following:
The San Diego County, Department of Environmental Health, Hazardous Materials Division (HMD), as the administering agency, requires a business that handles hazardous materials to submit the hazardous materials inventory, a list of emergency contacts, and a site plan, **in lieu of a complete Hazardous Materials Business Plan (HMBP),** only after the initial submittal of a complete HMBP. The business must certify that a complete HMBP has been prepared and is maintained at the site where the hazardous materials are stored. A complete HMBP includes the items to be submitted to the HMD and an Emergency Response Plan and Employee Training Plan, as established in H&SC Section 25504. The business must also annually certify that the HMBP is current and maintained on site. See Back for instructions and further clarification.

I. IDENTIFICATION

FACILITY ID# 3 7 [ ] 0 0 0 [ ] 2 0 2 2 4 3

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3
DRISCOLL'S WHARF

BUSINESS SITE ADDRESS 103
4918 N. Harbor Dr. # 203

CITY 104 San Diego | CA | ZIP CODE 105 92106

II. CERTIFICATION STATEMENT

☐ **CARCINOGEN/REPRODUCTIVE TOXIN ANNUAL RENEWAL WITHOUT CHANGES: This is an annual renewal to certify that the list of carcinogens and/or reproductive toxins last provided is a current list as specified in the San Diego County Code of Regulatory Ordinances Section 68.1113.**

Check only one of the following boxes:

☐ **INITIAL CERTIFICATION: This is to certify (H&SC Section 25505(e)(1)) that a complete HMBP, which includes the hazardous materials inventory, a list of emergency contacts, a site plan, emergency response plan, and employee training plan, has been prepared and is maintained at the site where the hazardous materials are stored.**

☐ **ANNUAL CERTIFICATION WITHOUT CHANGES: This is an annual certification (H&SC Section 25505(d)&(e)(2)) that the HMBP, which includes the hazardous materials inventory, a list of emergency contacts, a site plan, emergency response plan, and employee training plan, is current and includes all the information required in H&SC Section 25504, and 25509, and is maintained at the site where the hazardous materials are stored.**

☒ **CERTIFICATION OF CHANGES/REVISIONS: This is to certify that the HMBP has been reviewed (H&SC Section 25505(c) & 25510) and all necessary changes/revisions have been made. The HMBP is current and is maintained at the site where the hazardous materials are stored. Attached are changes to the hazardous materials inventory and/or list of emergency contacts. For site map revisions, submit only the pages that have a change or revision and attach to this certification. This submittal satisfies annual certification requirements specified in H&SC Section 25505(d)&(e)(2).**

As an Authorized Representative, I certify under the penalty of law, that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete. By checking any of the boxes above I also certify that : a)The information contained in the hazardous materials inventory most recently submitted to the CUPA or Administrative Agency is complete, accurate, and up to date; b) There has been no change in the quantity of hazardous materials reported in the most recently submitted inventory; and c) All hazardous materials subject to inventory requirements are listed on the most recently submitted inventory.

SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE	DATE
Cynthia Price	5/16/08
NAME OF SIGNER (print) CYNTHIA PRICE	TITLE OF SIGNER OFFICE MANAGER

OFFICE USE

INSTRUCTIONS TO CLERICAL STAFF FOR HMBP ACCEPTANCE

☒ **Site Map** 7/15/08
☒ ***Emergency Contacts** 7/15/08
☒ ***Chemical Inventory** 7/15/08

*Note: Indicate the date that the inventory and/or ER contact information in the KIVA database was reviewed and changes were submitted for processing. If the inventory and ER contact information are exactly the same as it is recorded in KIVA, no changes need to be submitted.

Hazardous Materials Business Plan acceptance date will be changed to the acceptance date on new site map. A letter will be mailed to business after processing of site map updates.

HIRT SITE ☐**
FIRE DIST.____

Specialist's Signature: (only required for new plans or for changes to site maps, chemical inventory and/or emergency contacts)

REMARKS: ____

** If HIRT box is checked, follow HIRT policy to indicate on the inventory forms which hazardous materials make this a HIRT site.

DEH:HM-953 (05-06) NCR

Distribution: White – HMD; Yellow - Business Retains

ATTENTION: HAZARDOUS MATERIALS HANDLER

Chapter 6.95 of the California Health & Safety Code (H&SC) establishes minimum standards for Hazardous Materials Business Plans (HMBP). Each business shall prepare a HMBP if that business uses, handles, or stores a hazardous material/waste in quantities greater than or equal to the following:

- 55 gallons of a liquid.
- 500 pounds of a solid substance.
- 200 cubic feet of compressed gas.
- A toxic compressed gas (TLV $\leq$ 10 ppm) in any amount.
- Extremely hazardous substances in quantities equal to or greater than the Threshold Planning Quantities.

A complete HMBP consists of the following elements as established in H&SC Section 25504:

- Hazardous Materials Inventory
- Site Plan
- List of Emergency Contacts
- Emergency Response Plan
- Employee Training Plan

The San Diego County, Department of Environmental Health, Hazardous Materials Division (HMD), as the administering agency and with the concurrence of all the local fire jurisdictions, requires a business that handles hazardous materials to submit the hazardous materials inventory, a list of emergency contacts, and a site plan, <u>in lieu of a complete HMBP,</u> only after the initial submittal of a complete HMBP.

The business must certify that a complete HMBP has been prepared and is maintained at the site where the hazardous materials are stored and must also annually certify that the HMBP is current and maintained on site.

Substantial changes as listed below must be submitted to the HMD within 30 days of the change along with a certification that the HMBP is current and maintained on site:

- **A 100% or greater increase or decrease in the quantity of any hazardous material on the inventory**
- **Addition or deletion of a hazardous material to the inventory**
- **Changes in the storage, location, or use of hazardous materials**
- **Any change in business name, ownership, or address**
- **Any change in Emergency Coordinator/Contact information**

Instructions for Completing the Hazardous Materials Business Plan Certification

Note: The numbering of the instructions follows the data element numbers that are on Statewide reporting forms. These data element numbers are used for electronic submission and are the same as the numbering used in 27 CCR, Appendix C.

1. FACILITY ID NUMBER - Enter the 6 character Permit Number from your Permit. If you do not have a Permit, leave this blank.

3. BUSINESS NAME - Enter the full legal name of the business. This is the same as the terms "Facility Name" or "DBA" – Doing Business As.

103. BUSINESS SITE ADDRESS - Enter the street address where the facility is located. No post office box numbers are allowed.

104. CITY - Enter the city or unincorporated area in which business site is located.

105. ZIP CODE - Enter the zip code of business site. The extra 4-digit zip may also be added.

CARCINOGEN/REPRODUCTIVE TOXIN ANNUAL RENEWAL WITHOUT CHANGES - Any business which is required to submit a HMBP and handles a material which is a carcinogen or reproductive toxin, is required to submit a list of each such material handled during the previous year to the Director of the Department of Environmental Health. The list must include all carcinogens and reproductive toxins handled in quantities less than 55 gallons or 500 pounds. The list of such materials handled shall be renewed each year. Check this box to certify that the information previously submitted is still correct and no changes, additions or deletions are necessary. See <u>http://www.sdcounty.ca.gov/deh/hmd/forms_hmd.html</u> and review HM-9243 (Disclosure of Hazardous Materials Information Bulletin) to find out if you are required to submit this list.

INITIAL CERTIFICATION: Check this box if you are submitting a new HMBP.

ANNUAL CERTIFICATION WITHOUT CHANGES: Check this box if you are submitting an annual certification on an existing plan.

CERTIFICATION OF CHANGES/REVISIONS: Check this box if you are submitting changes to the hazardous materials inventory, list of emergency contacts, or the site plan. All pages should include the new submittal date. For multi-page site maps, include all pages with new submittal date.

File 9/1/11 Return to: B. Joaquino by 8/18/11 (White only) BJOAQUINO

COUNTY OF SAN DIEGO

CORRECTIVE ACTION FORM TO DOCUMENT RETURN TO COMPLIANCE

AUG [illegible] 2011

PERMIT #: 202243
SPECIALIST: B Joaquino
INSPECTION DATE: 7 / 18 / 2011
CONTACT: Catherine or Cynthia

FACILITY NAME: DRISCOLL'S WHARF

ADDRESS: 4918 N HARBOR DR #203 CITY: SAN DIEGO ZIP: 92106

VIOL #	DATE CORRECTED	INDICATE HOW VIOLATIONS WERE CORRECTED (Attach any supporting documentation.)
1 v0138	8/15/11	RECEIVED SIGNED MANIFEST - COPY ATTACHED
2 v0225	8/15/11	HAZARDOUS WASTE PICKED UP BY ASBURY - COPY ATTACHED
3 v	/ /	
4 v	/ /	
5 v	/ /	
6 v	/ /	
7 v	/ /	
8 v	/ /	
9 v	/ /	
10 v	/ /	

I certify under penalty of law that this facility has corrected all violations marked on the Compliance Inspection Report/Notice of Violation. I have personally examined and am familiar with the information submitted and believe the information is true, accurate and complete. I am authorized to file this certification for the facility, and am aware that there are significant penalties for submitting false information.

Responsible Party: CYNTHIA PRICE (Print Name) **Job Title** OFFICE MANAGER

Signature of Responsible Party: Cynthia Price **Date:** 8/18/11

< Send completed form and supporting documentation to the address listed below >

COUNTY OF SAN DIEGO USE ONLY: Reviewed by: B. JOAQUINO Date: 9/1/11
(Specialist's name and date required for processing)

Specialist's comments:

☑ All violations noted on date listed above were corrected.
☐ Based on information provided by the facility
☐ Based on field verification by Specialist

☑ RTC entered in Kiva by Specialist on: 9/1/11 ☐ RTC entered in Kiva by Office Assistant on: / /

ENTERED AUG 1 7 2011

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 3 DATE 7 / 18 / 2011
PERMIT# 202243 BUS. CODE K33
TIME START 9:40 END 11:00
SPECIALIST B. JOAQUINO
INSPECTION CONTACT CATHERINE OR CYNTHIA
TITLE OFFICE MANAGER
PHONE (619) 222.4930

FACILITY NAME DRISCOLL'S WHARF
ADDRESS 4918 N HARBOR DR # 203
CITY/ZIP SAN DIEGO , 92106

On the above date, the County inspected your facility under the authority of the California Health and Safety Code (H&SC), to determine compliance with applicable provisions of the H&SC, the California Code of Regulations (CCR), and the San Diego County Code of Regulatory Ordinances (SDCC). **This report serves as a Notice to Comply (H&SC 25187.8 & 25404.1.2) for any minor violations as defined in H&SC 25404 and 25117.6.** This report may contain both minor and more significant (Class II) violations. Minor violations do not include repeat violations or violations remaining uncorrected for more than 30 days (or as specified below). Minor violations do not include knowing, willful, intentional, or chronic violations; nor do they include violations showing a pattern of neglect or disregard. The remarks below are intended to provide guidance to correct any violations indicated on the attached violation report. You must submit a written response to this report within 30 days (or as specified below) demonstrating that all violations have been corrected or include a written notice of disagreement that clearly states the reason for any disputed violations. Prompt correction can protect you from penalties for a "minor violation". Penalties can be imposed for each day in violation for all other violations even if they are corrected promptly. However, correction within 30 days (or as specified below) will make a penalty less likely.

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

Y*	N/A*	Item	Y*	N/A*	Item
☑	☐	**Unified Program Facility Permit current**			**Permit Expires on:** 31 / MAY / 2012
☑	☐	**Hazardous Materials Business Plan available**	☐	☐	**Contingency Plan available** ☐LQG ☐SQG
☑	☐	**Employee training is adequate**	☐	☐	**Employee training records available**
☑	☐	**Waste disposal records available for review**	☑	☐	**Universal waste managed properly**
☑	☐	**Emergency contacts current** ☑ **Updated today**	☑	☐	**Waste containers** ☑ **closed** ☑ **labeled**
☐	☐	**Chemical inventory/map current** ☐ **Updated today**	☑	☐	**Waste containers in good condition**

Consent to inspect granted by: ☑ **Inspection Contact** ☐ **Other:**

- ROUTINE INSPECTION -
On site verification of hazardous materials / hazardous wastes with Ms. Cynthia Price, office Manager in attendance.

The following items were observed during inspection.
- 2 X 296 CFT of PROPANE TANK in cylinder
- 1 X 375 Gal for USED OIL in aboveground storage tank
- 2 X 55 Gal for USED OILY RAGS in drum
- 1 X 55 Gal for USED DRAINED FILTERS in drum

RECEIVED JUL 2 6 2011

NOTICE TO COMPLY:
(Violation / Observation / Corrective Action)
1. V#0138 Manifest signed by the TSDF not available for inspection
Observation: Generator has not maintained the required signed copy of the hazardous waste manifest # 006519049 JJK dated 7/12/10 from the treatment storage disposal facility (TSDF) on site for review.
Corrective Action: obtain TSDF signed copy of the above manifests within 30 days and maintain copy onsite. Submit proof of corrective action (i.e copy of manifest)

☑ **This is an annual certification that the Hazardous Materials Business Plan (inventory & site map, emergency contacts, emergency response plan, and employee training plan) is current and includes all the information required in the H&SC and is maintained at the site where hazardous materials are stored.**

CP
Initials of Facility Representative

PRINTED NAME OF FACILITY REPRESENTATIVE CYNTHIA PRICE
DATE SIGNED 7 / 18 / 11

SIGNATURE OF FACILITY REPRESENTATIVE X Cynthia Price
TITLE OF FACILITY REPRESENTATIVE OFFICE MANAGER

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
Phone: (619) 338-2222 Toll Free: (800) 253-9933 http://www.sdcdeh.org

HM-924 (11/08) NCR *(Y= Yes; N/A = Not Applicable) DISTRIBUTION: WHITE-HMD COPY; YELLOW-FACILITY COPY

COUNTY OF SAN DIEGO

SUPPLEMENTAL COMPLIANCE INSPECTION REPORT

PERMIT # 202243
DATE 7/18/2011
PAGE 2 OF 3

BUSINESS ADDRESS: 4918 N Herbor Dr #203 San Diego ZIP CODE: 92106

2. V#0225 Accumulated waste too long (7180 or 270 days)
observation: Observed 2X55 Gal of used oily rags with accumulation start date of 11/8/10 which had passed the allowed accumulation time/storage of 180 days.
Corrective Action: Contact your hazardous waste hauler and schedule a pick up for the oily rags. Submit proof of corrective action within 30 days. (i.e. copy of disposal receipts)

Remarks:
- 2X55 Gal drum of oily rags labeled with accumulation start date during inspection.
- HMBP must re-certify annually with or without changes. substantial changes must be submitted to HMD within 30 days

Complete and Submit Corrective Action Form (HM-926) in order to document return to compliance.

[signature] 7/18/11 OFFICE MANAGER

SIGNATURE OF BUSINESS REPRESENTATIVE | DATE SIGNED | TITLE OF BUSINESS REPRESENTATIVE

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT
Small and Large Quantity Generators of Hazardous Waste
Handlers of Hazardous Materials

PERMIT # 202243
DATE 7 / 18 / 2011
PAGE 3 OF 3

FACILITY ADDRESS: 4918 N Harbor Dr # 203 San Diego **ZIP:** 92106

VIOLATION REPORT: The items checked below refer to specific section numbers of Titles 19, 22 & 27 of the California Code of Regulations (CCR), Chapters 6.5, 6.67 & 6.95 of the Health and Safety Code, and/or the San Diego County Code (SDCC) Small Quantity Hazardous Waste Generator=(SQG), Large Hazardous Waste Quantity Generator=(LQG), Code 40 of Federal Regulations=(CFR). **All violations must be corrected. Submit documentation of return to compliance to your Specialist. You may use the Corrective Action Form (HM-926) to document your return to compliance. Your Specialist can provide this form. Please call (858) 505-6880 or your Specialist if you have any questions.**

HAZARDOUS MATERIALS REQUIREMENTS

Viol #	V		VIOLATION DESCRIPTION
	☐	1001	UPF permit not obtained for hazardous materials. SDCC 68.905
	☐	1002	Hazardous Materials Business Plan (HMBP) not established/ implemented. 25503.5(a)
	☐	1004	HMBP not submitted to the CUPA. 25505(a)
	☐	1005	Emergency contact not provided or current. 25509(a)(7)
	☐	1007	Highly toxic gas (TLV≤10 ppm) not disclosed. 68.1113(b)
	☐	1008	Did not submit annual carcinogen/reproductive toxin list. 68.1113(c)
	☐	1009	Site map is not sufficient or complete. 25509(a)(5) & 25505(a)(2)
	☐	1010	Did not report release or threatened release. 25507(a), 19 CCR 2703
	☐	1012	SPCC Plan not prepared. 25270.3 & 25270.4.5(a)
	☐	1013	Copy of HMBP not onsite for inspector's review. 25505(e)
	☐	1014	HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
	☐	1015	Did not have adequate employee training program 2732 &/or 25504(c)
	☐	1016	Failed to have an adequate emergency response plan 25504(b); 2731
	☐	1017	Business Plan not certified annually. 25505(d) & (e)(2)
	☐	1018	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
	☐	1019	SPCC Plan amendment not prepared within 6 months of change. 25270.4.5(a) [ref. CFR 112.1(b) & CFR 112.5]
	☐	1020	Failed to submit Unified Program Consolidated Form(s) to the CUPA for regulated activity or change of information. 27 CCR 15400.1(h) &/or SDCC 68.906; 68.909; &/or 68.908.2

HAZWASTE REQUIREMENTS FOR LQGs & SQGs

RECORDKEEPING

Viol #	V		VIOLATION DESCRIPTION
	☐	0131	Unified Program Facility (UPF) permit not obtained. SDCC 68.905
	☐	0132	Failed to obtain & maintain a valid EPA ID Number. 66262.12(a)
	☐	0133	Failed to send manifest copy to DTSC. 66262.23(a)(4)
	☐	0134	Failed to file Exception Report with DTSC. 66262.42
	☐	0135	Failed to keep hazardous waste manifests/receipts for 3 years available for inspection. 66262.40(a) & 25160.2(b)(3), 25185(a)(4)
	☐	0136	Did not have records of battery disposal. 66266.81(a)(4)(B)
	☐	0137	Failed to complete manifest properly. 66262.23(a)
1	☑	0138	Manifest signed by the TSDF not available for inspection. 66262.40(a)
	☐	0140	Failed to have LDR documentation onsite. 66268.7(a)(8)
	☐	0141	Failed to obtain approval for TSDF. 25201(a)
	☐	0142	Failed to notify CUPA for eligible onsite treatment. 25201(a)
	☐	0145	ERM reporting not submitted biennially &/or available. 25143.10
	☐	0146	Failed to have adequate records demonstrating claim of exemption for Excluded Recyclable Material (ERM). 25143.2(f) & 66261.2(g)
	☐	0147	Failed to keep records of offsite universal waste (UW) shipment(s) available for inspection for 3 years. 66273.39(c) & (d)(2), 25185(a)(4)
	☐	0148	Failed to keep copies of analytical results, waste analysis records, or waste determination results. (3 years) 66262.40(c)
	☐	0149	Failed to keep disposal receipts (3 years) for drained used oil filters &/or drained fuel filters. 25250.22 & 66266.130(c)(5)

DISPOSAL AND TRANSPORTATION

Viol #	V		VIOLATION DESCRIPTION
	☐	0301	Unauthorized disposal of hazardous waste. 25189.5(a) or 25189(c) or (d) or 25189.2(c)
	☐	0302	Unlawful transportation of hazardous waste (HW). 25163(a)
	☐	0303	Did not use HW manifest for disposal. 66262.20(a); 25160(b)(1) or (2), 25160.2(b)(9)
	☐	0304	Failed to make a proper waste determination. 66262.11 & 66260.200(c)
	☐	0305	Disposed of used oil illegally. 25250.5(a) & 25189.5(a) or 25189(c) or (d) or 25189.2(c)
	☐	0306	Disposed of latex paint illegally. 25217.1
	☐	0307	Disposed of UW to an unauthorized point. 25189.5(a) or 25189(c) or (d) or 25189.2(c); 66273.31(a)
	☐	0308	Impermissible dilution of hazardous waste. 66268.3(a)

HAZWASTE REQUIREMENTS FOR LQGs & SQGs

STORAGE AND HANDLING

Viol #	V		VIOLATION DESCRIPTION
	☐	0214	Used oil intentionally contaminated with HW. 25250.7(a)
	☐	0215	Used oil filters improperly managed. 66266.130
	☐	0216	Failed to label hazardous materials within 10 days or less. 25124(b)(3)(A) & 66262.34(f)
	☐	0217	Failed to repackage damaged/deteriorated hazardous material container within 96 hours. 25124(b)(3)(B) & 66262.34(f)
	☐	0218	Failed to label &/or close drained ☐ used oil filters &/or ☐ used fuel filters. 25250.22 & 66266.130(c)(3)
	☐	0219	Failed to properly segregate used oil &/or fuel drained from filters. 66266.130(c)(6) or 25250.22(b)(4)
	☐	0220	Spent lead acid batteries not properly managed. 66266.81
	☐	0221	Failed to comply with satellite regulations. 66262.34(e)
	☐	0222	Failed to properly label ERM. 25143.9(a)
	☐	0223	Failed to properly manage non-empty container or inner liner removed from a container. 66261.7(b), (d) &/or (r)
	☐	0224	Failed to mark date on empty container larger than 5 gallons &/or manage it within one year. 66261.7(c) & (f)
	☐	0237	Failed to properly dispose of UW within one year. 66273.35(a) &/or (b)
	☐	0238	Failed to manage UW in a manner to prevent release(s) to the environment. 66273.33 & 66273.33.5
	☐	0239	Failed to properly label or mark UW (non-CESQUWG). 66273.34

HAZWASTE REQUIREMENTS FOR SQGs ONLY

STORAGE AND HANDLING Pursuant to 66262.34(d)

Viol #	V		VIOLATION DESCRIPTION
2	☑	0225	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e) & (f), &/or 25201(a) [>90 days for an AHW waste]
	☐	0226	Did not accumulate waste in container or tank. 66262.34(d)(2)
	☐	0227	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
	☐	0228	Failed to keep container closed. CFR 265.173
	☐	0229	Failed to conduct weekly inspections. CFR 265.174
	☐	0230	Failed to maintain aisle space. CFR 265.35
	☐	0231	Failed to properly separate incompatible wastes. CFR 265.177
	☐	0232	Waste accumulated in a container in poor condition. CFR 265.171
	☐	0233	Failed to use a lined/compatible container. CFR 265.172
	☐	0234	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31

TRAINING, CONTINGENCY PLAN & ER PROCEDURES Pursuant to 66262.34(d)(2)

Viol #	V		VIOLATION DESCRIPTION
	☐	0407	Employee training program not adequate. CFR 262.34(d)(5)(iii)
	☐	0408	Failed to post ER plan by phone. CFR 262.34(d)(5)(ii)
	☐	0409	Spill/fire control equip not available. CFR 265.32(c)
	☐	0410	Failed to equip facility with internal communication or alarm. CFR 265.32(a) & (b)
	☐	0411	Failed to carry out contingency plan during an emergency. CFR 262.34(d)(5)(iv)
	☐	0412	Failed to have an emergency coordinator on call or available during emergency. CFR 262.34(d)(5)(i)

HAZARDOUS WASTE TANK SYSTEMS Pursuant to 66262.34(d)(2)

Viol #	V		VIOLATION DESCRIPTION
	☐	1612	Hazardous waste improperly stored in a tank system causing ☐ leaks, ☐ corrosion, or ☐ failure. CFR 265.201(b)(2)
	☐	1613	Failed to comply with tank standards which include: two (2) feet of freeboard (where applicable), shut off for waste feed line, and daily and weekly inspections. CFR 265.201(b) & (c)
	☐	1614	Failed to properly complete &/or document closure for a hazardous waste tank. CFR 265.201(d) & 67383.3
	☐	1615	Failed to safely accumulate ignitable or reactive waste in a tank. CFR 265.201(e)
	☐	1616	Failed to safely manage incompatible waste in a tank. CFR 265.201(f)

[illegible] 7/18/11 OFFICE MANAGER

SIGNATURE OF FACILITY REPRESENTATIVE | DATE SIGNED | TITLE OF FACILITY REPRESENTATIVE

DEH 2003- HUPFP- 202243

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 2 DATE 8/5/13
PERMIT# 202243 BUS. CODE K33
TIME START ______ END ______
SPECIALIST B. JOAQUINO
INSPECTION CONTACT J. KIRKPATRICK
TITLE OFFICE MANAGER
PHONE (619) 222.4930

FACILITY NAME DRISCOLL'S WHARF
ADDRESS 4918 N HARBOR DR #203
CITY/ZIP SAN DIEGO/92106

On the above date, the County inspected your facility under the authority of the California Health and Safety Code (H&SC), to determine compliance with applicable provisions of the H&SC, the California Code of Regulations (CCR), and the San Diego County Code of Regulatory Ordinances (SDCC). **This report serves as a Notice to Comply (H&SC 25187.8 & 25404.1.2) for any minor violations as defined in H&SC 25404 and 25117.6.** This report may contain both minor and more significant (Class II) violations. Minor violations do not include repeat violations or violations remaining uncorrected for more than 30 days (or as specified below). Minor violations do not include knowing, willful, intentional, or chronic violations; nor do they include violations showing a pattern of neglect or disregard. The remarks below are intended to provide guidance to correct any violations indicated on the attached violation report. You must submit a written response to this report within 30 days (or as specified below) demonstrating that all violations have been corrected or include a written notice of disagreement that clearly states the reason for any disputed violations. Prompt correction can protect you from penalties for a "minor violation". Penalties can be imposed for each day in violation for all other violations even if they are corrected promptly. However, correction within 30 days (or as specified below) will make a penalty less likely.

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

Y*	N/A*		Y*	N/A*	
☑	☐	**Unified Program Facility Permit current**			**Permit Expires on:** 31 / MAY / 2014
☑	☐	**Hazardous Materials Business Plan available**	☐	☐	**Contingency Plan available** ☐LQG ☐SQG
☐	☐	**Employee training is adequate**	☐	☐	**Employee training records available**
☐	☐	**Waste disposal records available for review**	☐	☐	**Universal waste managed properly**
☑	☐	**Emergency contacts current** ☑ **Updated today**	☑	☐	**Waste containers** ☑ **closed** ☑ **labeled**
☐	☐	**Chemical inventory/map current** ☐ **Updated today**	☐	☐	**Waste containers in good condition**

Consent to inspect granted by: ☐ **Inspection Contact** ☐ **Other:**

ON 8/5/13, THE COUNTY CONDUCTED A ROUTINE INSPECTION ON THE FACILITY ABOVE TO DETERMINE COMPLIANCE FOR HANDLING, STORAGE AND DISPOSAL OF HAZARDOUS SUBSTANCES. CONSENT TO INSPECT WAS GRANTED BY MS. JESSICA KIRKPATRICK, OFFICE MANAGER AND I WAS ACCOMPANIED BY MR DAVID BASSHAM, DOCKMASTER DURING THE WALK-THROUGH

THE FOLLOWING ITEMS WERE OBSERVED DURING INSPECTION:
- 1 X 375 GAL AST FOR USED OIL
- 2 X 55 GAL DRUM FOR USED ABSORBENT
- 1 X 55 GAL DRUM FOR USED DRAINED FILTERS
- 2 X 272 CUFT OF PROPANE IN CYLINDERS
- 1 X 30 GAL DRUM FOR WASTE GASOLINE

REMARKS
- TWO (2) X 55 GAL DRUM FOR DRAINED USED OIL FILTERS LABELED WITH ACCUMULATION START DATE DURING INSPECTION
- REVIEWED DISPOSAL RECEIPTS/MANIFESTS FROM ASBURY. RETAIN ON FILE FOR 3 YEARS.

☑ **This is an annual certification that the Hazardous Materials Business Plan (inventory & site map, emergency contacts, emergency response plan, and employee training plan) is current and includes all the information required in the H&SC and is maintained at the site where hazardous materials are stored.** — **Initials of Facility Representative** JD

PRINTED NAME OF FACILITY REPRESENTATIVE: Jack Driscoll
DATE SIGNED: 08/05/13
SIGNATURE OF FACILITY REPRESENTATIVE: X [signature]
TITLE OF FACILITY REPRESENTATIVE: Admin Assistant

COUNTY OF SAN DIEGO

SUPPLEMENTAL COMPLIANCE INSPECTION REPORT

PERMIT # 202243
DATE 8/5/13
PAGE 2 OF 2

FACILITY ADDRESS: 4918 N HARBOR DR #203 ZIP CODE: 92106

- HMBP AVAILABLE AS REQUIRED
- UPDATED CONTINGENCY PLAN PROVIDED
- CERS ACCOUNT CREATED / SUBMITTED
- EMERGENCY CONTACTS UPDATED THROUGH CERS
- SITE MAP UPDATED

[signature] 08/05/13 Admin Assitant

SIGNATURE OF FACILITY REPRESENTATIVE | DATE SIGNED | TITLE OF FACILITY REPRESENTATIVE

HM-9110 (06/11) NCR White: HMD Yellow: Facility DEH-Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261

COUNTY OF SAN DIEGO

CORRECTIVE ACTION FORM TO DOCUMENT RETURN TO COMPLIANCE

FACILITY NAME: DRISCOLL'S WHARF
ADDRESS: 4918 N HARBOR DR
CITY/ZIP: SAN DIEGO /92106

INSPECTION DATE: 02/02/2016
RECORD ID #: DEH2003-HUPFP-202243
SPECIALIST: Campanella, Luke
INSPECTION CONTACT: Mary Kuhn
TITLE: Operations Manager
PHONE: (619) 222-4930
E-MAIL: mary@driscollmanagementinc.com

VIOL#	DATE CORRECTED	INDICATE HOW VIOLATIONS WERE CORRECTED (Attach Any Supporting Documentation)	DUE DATE
#1 1010008	2/9/16	Submited to CERS	03/03/2016
#2 1010005	2/9/16	Submited to CERS	03/03/2016
#3 3030007	2/9/16	55 Gal drum labled "Red-dye diesel"	03/03/2016

I certify under penalty of law that this facility has corrected all violations marked on the Compliance Inspection Report/Notice of Violation. I have personally examined and am familiar with the information submitted and believe the information is true, accurate and complete. I am authorized to file this certification for the facility, and am aware that there are significant penalties for submitting false information.

PRINTED NAME OF FACILITY REPRESENTATIVE	SIGNATURE		DATE SIGNED
Jack Driscoll		Jack Driscoll	
TITLE OF FACILITY REPRESENTATIVE: Assistant Facility Manager			2/9/16

SEND COMPLETED FORM AND SUPPORTING DOCUMENTATION TO THE ADDRESS LISTED BELOW

COUNTY OF SAN DIEGO USE ONLY

REVIEWED BY: Luke Campanella DATE: 4/22/16

SPECIALIST'S COMMENTS:

☒ All violations noted on date listed above were corrected

☒ Based On Information Provided By The Facility

☐ Based On Field Verification By Specialist

☒ RTC entered by Specialist on: 4/22/16

☐ RTC entered by Office Assistant on: ______

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
http://www.sdcdeh.org 858-505-6880

HM-926(01/15)

COUNTY OF SAN DIEGO

UPFP INSPECTION CHECKLIST

FACILITY NAME: **DRISCOLL'S WHARF**
ADDRESS: **4918 N HARBOR DR**
CITY/ZIP: **SAN DIEGO** /**92106**

INSPECTION DATE: **02/02/2016**
RECORD ID #: **DEH2003-HUPFP-202243**
TIME START: **1:00 PM** END: **2:30 PM**
SPECIALIST: **Campanella, Luke**
INSPECTION CONTACT: **Mary Kuhn**
TITLE: **Operations Manager**
PHONE: **(619) 222-4930**
E-MAIL: **mary@driscollmanagementinc.com**

FACILITY REFERENCE DATA

ACCELA

RECORD STATUS: Permit Renewed
PERMIT EXPIRATION DATE: 05/31/2016
BALANCE DUE: $0.00
INSPECTOR: Campanella, Luke
INSPECTION TYPE: Routine
INSPECTION STATUS: Pending Corrective Action

CERS

EPA ID NUMBER: CAL000004624
FACILITY CERS ID NUMBER: 10382590
CERS LEAD USER: Thomas Driscoll
LAST CERS SUBMITTAL DATE: 09/04/2014
ENVIRONMENTAL CONTACT EMAIL: jack@driscollmanagementinc.com
ENVIRONMENTAL CONTACT PHONE: 619-318-6260

FACILITY INFORMATION

	YES	NO
INACTIVATION INSPECTION:	☐	☒
CHANGE OF OWNER:	☐	☒
CHANGE IN BUSINESS TYPE:	☐	☒
BUSINESS TYPE: Boat Yards and Marinas- Repair &/or USTs		
ISSUE INITIAL INVOICE:	☐	☒
ASSESS NON-NOTIFICATION FEE:	☐	☒
ASSESS RE-INSPECTION FEE:	☐	☒
FACILITY SUBJECT TO BASE FEE:	☒	☐
FACILITY SUBJECT TO CUPA FEE:	☒	☐
UPDATE FACILITY ADDRESS IN AA:	☐	☒

	YES	NO
HAZARDOUS MATERIALS:	☒	☐
HAZARDOUS WASTE:	☒	☐
ABOVEGROUND PETROLEUM STORAGE ACT:*	☐	☒
TOTAL SHELL CAPACITY APSA: 0		
UNDERGROUND STORAGE TANK:	☐	☒
CALARP PROGRAM (CERS):	☐	☒
CALARP PROGRAM LEVEL: 1 2 3 **N/A** (selected)		
MEDICAL WASTE:	☐	☒
MW FACILITY GENERATING OVER 200 LBS PER MONTH:	☐	☒
EPIC PARTICIPANT:	☐	☒
NUMBER OF TLV GASES AT THE FACILITY: 0		

HW GENERATOR STATUS : LQG | **SQG** (selected) | CESQG | RCRA LQG | N/A

TIERED PERMIT LEVEL(S) : CESQT | CESW | CE-L | CE-CL | HHW | PBR | CA | **N/A** (selected)

PRIMARY BILLING CODE: Not Applicable
SECONDARY BILLING CODE: Not Applicable
TERTIARY BILLING CODE: Not Applicable

INSPECTION SCOPE:

HAZARDOUS MATERIALS: **GEN HAZMAT** (selected) | APSA | UST

HAZARDOUS WASTE: **SQG** (selected) | LQG

MEDICAL WASTE: SQG | SQG - TREATS | LQG | LQG - ABBREVIATED | LQG - TREATS

CALARP: 1 | 2 | 3

TIERED PERMITTING: CESQT | CESW | CE-L | CE-CL | CA | PBR | HHW

CONSENT TO CONDUCT INSPECTION GRANTED BY: INSPECTION CONTACT ☒ NAME: Mary Kuhn TITLE: Operations Manager

REMOVE BLANK CHECKLISTS FROM FINAL INSPECTION REPORT ☐ REFUSED TO SIGN ☐

INSPECTION REPORT EMAILS:
luke.campanella@sdcounty.ca.gov

RECORD COMMENT:

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

INSPECTION DATE: 02/02/2016 PAGE 1 OF 5
RECORD ID #: DEH2003-HUPFP-202243
TIME START: 1:00 PM END: 2:30 PM
SPECIALIST: Campanella, Luke
INSPECTION CONTACT: Mary Kuhn
TITLE: Operations Manager
PHONE: (619) 222-4930
E-MAIL: mary@driscollmanagementinc.com

FACILITY NAME: DRISCOLL'S WHARF
ADDRESS: 4918 N HARBOR DR
CITY/ZIP: SAN DIEGO /92106

On the above date, the County inspected your facility under the authority of the California Health and Safety Code (H&SC), to determine compliance with applicable provisions of the H&SC, the California Code of Regulations (CCR), and the San Diego County Code of Regulatory Ordinances (SDCC). **This report serves as a Notice to Comply (H&SC 25187.8 & 25404.1.2) for any minor violations as defined in H&SC 25404 and 25117.6.** This report may contain both minor and more significant (Class II) violations. Minor violations do not include repeat violations or violations remaining uncorrected for more than 30 days (or as specified below). Minor violations do not include knowing, willful, intentional, or chronic violations; nor do they include violations showing a pattern of neglect or disregard. The remarks below are intended to provide guidance to correct any violations indicated on the attached violation report. You must submit a written response to this report within 30 days (or as specified below) demonstrating that all violations have been corrected or include a written notice of disagreement that clearly states the reason for any disputed violations. Prompt correction can protect you from penalties for a "minor violation". Penalties can be imposed for each day in violation for all other violations even if they are corrected promptly. However, correction within 30 days (or as specified below) will make a penalty less likely.

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

Yes	N/A		Yes	N/A	
☒	☐	Unified Program Facility Permit Current	☒	☐	Contingency Plan Available ☐ LQG ☒ SQG
☒	☐	Hazardous Materials Business Plan Available	☒	☐	Employee Training Records Available
☒	☐	Employee Training is Adequate	☒	☐	Universal Waste Managed Properly
☒	☐	Waste Disposal Records Available for Review	☒	☐	Waste Containers ☒ Closed ☐ Labeled
☒	☐	Emergency Contacts Current ☐ Updated today	☒	☐	Waste Containers in Good Condition
☒	☐	Chemical Inventory/Map Current ☐ Updated today			Permit Expires On 05/31/2016

CONSENT TO CONDUCT INSPECTION GRANTED BY: Mary Kuhn TITLE: Operations Manager

INTRODUCTION:
I conducted an inspection of this facility today. Consent for this inspection, photos, and samples was verbally granted by the inspection contact. The scope of this inspection was Hazardous Materials Business Plan (HMBP) requirements and hazardous waste generator requirements.

During this inspection I observed the following hazardous materials and/or hazardous wastes:

2 x 55 Gallon Drums for used oil
2 x 55 Gallon Drums for soiled rags/absorbent
1 x 55 gallon with unknown red liquid, possible anti-freeze
40 gallons of propane
Mixed waste cylinders of oxygen, acetylene, and unknown. All assumed to be non-empty.

VIOLATION # 1
1010008 HMBP not certified annually as complete and accurate in CERS. HSC 25508.2

Classification: Minor

Observations:
Your HMBP must be certified at least annually to be complete and accurate in the California Environmental Reporting System. Records show it has been more than 12 months since an HMBP was submitted in CERS including up-to-date facility information, hazardous materials inventory, and emergency response and training plans sections as required by HSC.

Corrective Action Due By: 03/03/2016
This violation must be corrected online by logging into the facility account in CERS, reviewing the facility information, hazardous materials/waste inventory, and emergency response/training plans sections, and submitting them electronically. For assistance, visit our CERS Information webpage for guides and videos or call our CERS help line at (858) 505-6990 for one-on-one guidance.

VIOLATION # 2
1010005 Site map not submitted in CERS or not sufficient. HSC 25505(a)(2) and 25508(a)(1)(A)

Classification: Minor

Observations:
An adequate hazardous materials business plan (HMBP) site map with all required symbols has bot been submitted by this facility through he California Environmental Reporting System (CERS).

Update your site map to include all wastes and materials generated and/or stored on site. Include the location of emergency equipment on the site map.

Corrective Action Due By: 03/03/2016
This violation must be corrected online by logging into the facility account in CERS and uploading and submitting an up-to date site map with all required symbols. A sample map, instructions, and symbols legend can be found at http://www.sandiegocounty.gov/content/dam/sdc/deh/hmd/pdf/hmbp/forms/Site_Map_Handout_2-11.pdf

---

VIOLATION # 3
3030007 Failed to properly label/date hazardous waste container and/or tank. 22 CCR 66262.34(f)

Classification: Minor

Observations:
Observed 1 x 55 gallon drum (white plastic) that was not properly labeled as hazardous waste. The container(s) and/or tank was missing a label to identify its contents. Hazardous waste containers must be labeled with the following: The words "Hazardous Waste", the name and address of the generator, the composition and physical state of the waste, the hazardous properties of the waste, and the accumulation start date.

Additionally, manage the compressed gas cylinders by having them removed or labeling them with the appropriate description, including: Type of gas and if it is empty or not.

Corrective Action Due By: 03/03/2016
Immediately begin labeling the container(s) and/or portable tank(s) with the required labeling. Within 30 days, submit documentation to the HMD that this violation was corrected.

INSPECTION REMARKS:
Helpful Websites:
• For guidance documents on hazardous materials-related topics,
go to: http://www.sandiegocounty.gov/content/sdc/deh/hazmat/hmd_publications.html
• For information on the California Environmental Reporting System (CERS),
go to: http://www.sandiegocounty.gov/content/sdc/deh/hazmat/hmd_cers.html
• If you have questions on: permit fees, business plan requirements, or hazardous waste regulations,
go to: http://www.sandiegocounty.gov/content/sdc/deh/hazmat.html
• To find out the latest San Diego County News and receive updates, subscribe to our govdelivery emails:
https://public.govdelivery.com/accounts/CASAND/subscriber/new

If you have any questions regarding this inspection, please contact Campanella, Luke, 858-525-3204, Luke.Campanella@sdcounty.ca.gov

INSPECTION PHOTOS
None

All regulated businesses are required by law to submit their Unified Program-related information and business updates online through the California Environmental Reporting System (CERS). For additional information about CERS, go to: http://www.sandiegocounty.gov/deh/hazmat/hmd_cers.html

COUNTY OF SAN DIEGO

SUPPLEMENTAL COMPLIANCE INSPECTION REPORT

PRINTED NAME OF FACILITY REPRESENTATIVE	SIGNATURE		DATE SIGNED
Mary Kuhn			**02/02/2016**
TITLE OF FACILITY REPRESENTATIVE			
Operations Manager			

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
Phone: (858) 505-6880 http://www.sdcdeh.org

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

Handlers of Hazardous Materials and Small and Large Quantity Generators of Hazardous Waste

FACILITY NAME: * **DRISCOLL'S WHARF**

ADDRESS: * **4918 N HARBOR DR** CITY/ZIP: * **SAN DIEGO** **92106**

Each violation checked below is for the section(s) of the California Health and Safety Code (HSC), California Code of Regulations (CCR), or the San Diego County Code (SDCC) indicated in italics. Incorporated provisions of Title 40 of the Code of Federal regulations (CFR) are noted for reference. All violations must be corrected. Submit documentation of return to compliance to your Specialist. You may use the Corrective Action Form (HM-926) to document your return to compliance. Please call (858) 505-6880 or your Specialist if you have any questions. HMBP = Hazardous Materials Business Plan; CUPA = Certified Unified Program Agency; CERS = California Environmental Reporting System; SQG = Small Quantity Hazardous Waste Generator; LQG = Large Quantity Hazardous Waste Generator

Hazardous Materials Requirements

#		VIOLATION DESCRIPTION
	☐	1010001 HMBP not established/ implemented. HSC 25505(a) and 25507(a)
	☐	1010002 HMBP not submitted to the CUPA in CERS. HSC 25508(a)(1)(A); HSC 25404(e)(4); 27 CCR 15188(a), (d)
	☐	1010003 Business Activities and/or Business Owner/Operator Identification not completed in CERS. 19 CCR 2729.2(a)(1); HSC 25404(e)(4)
	☐	1010004 Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25506; 25507; and 25508(a)(1)(A)
2	☒	1010005 Site map not submitted in CERS or not sufficient. HSC 25505(a)(2) and 25508(a)(1)(A)
	☐	1010006 HMBP not updated to reflect inventory changes or facility information. HSC 25508.1(a-e)
	☐	1010007 HMBP not updated to reflect substantial change to the handler's operations. HSC 25508.1(f)
1	☒	1010008 HMBP not certified annually as complete and accurate in CERS. HSC 25508.2
	☐	1010010 Emergency response procedures to mitigate a release or threatened release not adequate, not established or not submitted in CERS. HSC 25505(a)(3) and 25508(a)(1)(A)
	☐	1010011 Failure to notify property owner in writing that the business is subject to the HMBP program. HSC 25505.1
	☐	1010012 Failure to provide a copy of HMBP to the property owner within five working days upon request from property owner. HSC 25505.1
	☐	1010014 Failure to submit emergency response plan in CERS, when not meeting agricultural handler exemption. HSC 25507.1(a) and 25508(a)(1)(A)
	☐	1010015 Failure to submit employee training plan in CERS, when not meeting agricultural handler exemption. HSC 25507.1(a) and 25508(a)(1)(A)
	☐	1010016 HMBP not established or submitted in CERS, when not meeting the remote site exemption. HSC 25507.2 and 25508(a)(1)(A)
	☐	1020001 Employee training plan for hazardous materials management not adequate, not established or not submitted in CERS. HSC 25505(a)(4) and 25508(a)(1)(A)
	☐	1020002 Initial and/or annual employee training not conducted for hazardous materials management and/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4)
	☐	1040001 Hazardous materials release or threatened release not reported to the CUPA and OES immediately upon discovery. HSC 25510(a)
	☐	4010001 Failed to prepare and implement a written Spill Prevention Control and Countermeasures (SPCC) Plan in accordance with 40 CFR 112 (sec. 112.3). HSC 25270.4.5(a)
	☐	HMD 1001 Unified Program Facility permit not obtained for hazardous materials. SDCC 68.905
	☐	HMD 1005 Emergency contact not provided or current. HSC 25508.1(f)
	☐	HMD 1007 Highly toxic gas (TLV<10 ppm) not disclosed. SDCC 68.1113(b)
	☐	HMD 1008 Annual carcinogen/reproductive toxin list not submitted. SDCC 68.1113(c)
	☐	HMD 1013 HMBP not readily available for review. HSC 25505(c)

Hazardous Waste Requirements for SQGs ONLY

#		VIOLATION DESCRIPTION
	☐	HMD 0226 Did not accumulate waste in a container or tank. (40 CFR 262.34(d)(2).) 22 CCR 66262.34(d)(2)
	☐	HMD 0412 Failed to have an emergency coordinator on call or available during an emergency. (40 CFR 262.34(d)(5)(i).) 22 CCR 66262.34(d)(2)

Hazardous Waste Requirements for SQGs ONLY (continued)

#		VIOLATION DESCRIPTION
3	☒	3030007 Failed to properly label/date hazardous waste container and/or tank. 22 CCR 66262.34(f)
	☐	3030010 Accumulated waste too long (>180 or 270 days) (>90 days for an acutely hazardous waste). (40 CFR 262.34(e) and (f).) HSC 25201(a); 22 CCR 66262.34(d)
	☐	3030013 Failed to accumulate hazardous waste in a container that is in good condition. (40 CFR 262.34(d)(2); 265.171.) 22 CCR 66262.34(d)(2)
	☐	3030015 Failed to accumulate or store hazardous waste in a lined/compatible container. (40 CFR 262.34(d)(2); 265.172) 22 CCR 66262.34(d)(2)
	☐	3030017 Failed to properly close hazardous waste container(s). (40 CFR 262.34(d)(2); 265.173.) 22 CCR 66262.34(d)(2)
	☐	3030019 Failed to inspect hazardous waste storage area at least weekly. (40 CFR 262.34(d)(2); 265.174.) 22 CCR 66262.34(d)(2)
	☐	3030022 Failed to properly separate incompatible waste. (40 CFR 262.34(d)(2); 265.177.) 22 CCR 66262.34(d)(2)
	☐	3030030 Failed to maintain and/or operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents. (40 CFR 262.34(d)(4), 265.31.) 22 CCR 66262.34(d)(2)
	☐	3030036 Failed to maintain adequate aisle space. (40 CFR 262.34(d)(4); 265.35.) 22 CCR 66262.34(d)(2)
	☐	3010022 Failed to post, next to the telephone, emergency information containing the location of emergency equipment, contact names, and numbers. (40 CFR 262.34(d)(5)(ii).) 22 CCR 66262.34(d)(2)
	☐	3020001 Failed to ensure employees are trained for hazardous waste handling, compliance with regulations, and emergency response procedures. (40 CFR 262.34(d)(5)(iii).) 22 CCR 66262.34(d)(2)
	☐	3030032 Failed to maintain or have emergency equipment, supplies, or equivalents. 1) An internal communication or alarm system; 2) A device, such as a telephone; 3) Portable fire extinguishers, fire control equipment, spill control equipment, and decontamination equipment; and 4) Water at adequate volume and pressure (40 CFR 262.34(d)(4); 265.32) 22 CCR 66262.34(d)(2)
	☐	3030039 Failed to implement contingency plan during an emergency, spill/release. (40 CFR 262.34(d)(5)(iv).) 22 CCR 66262.34(d)(2)

Hazardous Waste Tank Systems for SQGs ONLY

#		VIOLATION DESCRIPTION
	☐	3030024 Failed to maintain sufficient freeboard of 2 ft in uncovered tanks to prevent overtopping unless the tank is equipped with a containment structure, a drainage control system or a diversion structure with a capacity that equals or exceeds the volume of the top 2 ft of the tank. (40 CFR 62.34(d)(3); 265.201(b)(c).) 22 CCR 66262.34(d)(2)
	☐	3030025 Failed to provide an overfill protection device on continuously fed hazardous waste tank. (40 CFR 262.34(d)(3); 265.201(b)(4).) 22 CCR 66262.34(d)(2)
	☐	3030027 Failed to conduct daily tank inspection of the discharge system, monitoring equipment, and tank level. (40 CFR 265.201(c)(1), 265.201(c)(2), 265.201(c)(3), 262.34(d)(3).) 22 CCR 66262.34(d)(2)
	☐	3030028 Failed to conduct weekly inspections of the construction materials, fixtures, and surrounding areas of the hazardous waste tank. (40 CFR 265.201(c)(4); 265.201(c)(5); 262.34(d)(3).) 22 CCR 66262.34(d)(2)
	☐	3050007 Failed to properly decontaminate and document closure of a hazardous waste tank system. (40 CFR 265.201(f).) 22 CCR 67383.3
	☐	HMD 1612 Hazardous waste improperly stored in a tank system causing leaks, corrosion, or failure. (40 CFR 265.201(b).) 22 CCR 66262.34(d)
	☐	HMD 1614 Failed to pre-notify the CUPA in writing prior to closing a hazardous waste tank system. 22 CCR 67383.3(a)(1)
	☐	HMD 1615 Failed to properly accumulate ignitable or reactive waste in a tank system. (40 CFR 265.201(g).) 22 CCR 66262.34(d)(2)

Hazardous Waste Requirements for SQGs and LQGs
RECORD KEEPING/OPERATIONAL REQUIREMENTS

#	VIOLATION DESCRIPTION
☐ 3010001	Unified Program Facility (UPF) permit not obtained for the generation of hazardous waste. HSC 25404.1; SDCC 68.905
☐ 3010029	The facility has not submitted complete and accurate facility information in CERS. HSC 25404(e)(4); 27 CCR 15188(b)
☐ 3010002	Failed to obtain and/or maintain an active EPA ID. 22 CCR 66262.12
☐ 3010008	Failed to properly complete a uniform hazardous waste manifest. 22 CCR 66262.23(a)
☐ 3010009	Failed to complete the hazardous waste manifest Exception Requirement. 22 CCR 66262.42
☐ 3010010	Failed to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for 3 years. HSC 25160.2(b)(3), 25185(a)(4); 22 CCR 66262.40(a)
☐ 3010011	Failed to send hazardous waste manifest copies to the Department of Toxic Substances Control (DTSC). 22 CCR 66262.23(a)(4)
☐ 3010013	Failed to meet the consolidated manifesting requirements for waste shipment. HSC 25160.2; 22 CCR 66262.40(a)
☐ 3010014	Failed to retain disposal records of spent lead batteries for 3 years. 22 CCR 66266.81(a)(4)(B)
☐ 3030006	Failed to determine if a hazardous waste is restricted or prohibited from land disposal. 22 CCR 66268.7(a)
☐ 3010016	Failure of recycler who recycles more than 100 kilograms per month of recyclable material under a claim that the material qualifies for exclusion or exemption to provide and submit in CERS the required information. HSC 25143.10(a), (c), and/or (d)
☐ HMD 0149	Failed to keep disposal receipts for drained used oil filters and/or drained fuel filters for 3 years. HSC 25250.22; 22 CCR 66266.130
☐ HMD 0148	Failed to have copies of analytical records, waste analysis records, and/or waste determination results for 3 years. 22 CCR 66262.40(c)
☐ HMD 0140	Failed to have Land Disposal Restriction documentation onsite for 3 years. 22 CCR 66268.7(a)(8)
☐ 3250005	Failed to obtain a Treatment, Storage and Disposal Facility (TSDF) permit or authorization to store/treat/dispose of hazardous waste. HSC 25201(a)
☐ 3050005	Failed to have adequate records demonstrating claim of exemption for Excluded Recyclable Materials. HSC 25143.2(f); 22 CCR 66261.2(g)
☐ 3210001	Failed to notify the CUPA in CERS for onsite hazardous waste treatment/tiered permitting. HSC 25201(a)
☐ HMD 0138	Manifest signed by the TSDF not available for inspection. 22 CCR 66262.40(a)

Hazardous Waste Requirements for SQGs and LQGs
DISPOSAL AND TRANSPORTATION

#	VIOLATION DESCRIPTION
☐ 3010007	Failed to prepare a hazardous waste manifest for the transport of a waste for off-site transfer, treatment, storage, or disposal. HSC 25160(b)(1) or (2), 25160.2(b)(9); 22 CCR 66262.20(a)
☐ 3030005	Failed to make a proper waste determination. 22 CCR 66262.11, 66262.40(c)
☐ 3050001	Failed to use a California registered hazardous waste transporter to transport hazardous waste. HSC 25163(a); 22 CCR 66263.41
☐ 3050002	Failed to properly dispose of hazardous waste at an authorized facility. HSC 25189.5(a); 25189(c),(d); 25189.2(c)
☐ 3130002	Impermissible dilution of hazardous waste. 22 CCR 66268.3(a)
☐ HMD 0305	Disposed of used oil illegally. HSC 25250.5(a); 25189.5(a); 25189(c),(d); 25189.2(c)
☐ HMD 0306	Disposed of hazardous waste latex paint improperly. HSC 25217.1

Hazardous Waste Requirements for SQGs and LQGs
STORAGE AND HANDLING

#	VIOLATION DESCRIPTION
☐ 3030001	Failed to meet requirements, when handling, and storing spent lead acid batteries. 22 CCR 66266.81(a)(1)
☐ 3030003	Failed to properly manage 'damaged' spent lead acid batteries. 22 CCR 66266.81(b)
☐ 3030004	Failed to properly manage, store, label, and/or recycle used oil filters and/or used fuel filters. HSC 25250.22; 22 CCR 66266.130
☐ 3050004	Failed to properly manage contaminated used oil as a hazardous waste. HSC 25250.7(a), (c)
☐ HMD 0222	Failed to properly label Excluded Recyclable Materials (ERM). HSC 25143.9(a).
☐ HMD 0216	Failed to label hazardous material container within 10 days after the container was discovered to be mislabeled or inadequately labeled. HSC 25124(b)(3)(A); 22 CCR 66262.34(f)
☐ HMD 0217	Failed to repackage damaged/deteriorated hazardous material container within 96 hours. HSC 25124(b)(3)(B); 22 CCR 66262.34(f)
☐ HMD 0219	Failed to properly segregate used oil &/or fuel drained from filters. HSC 25250.22(b)(4); 22 CCR 66266.130(c)(6)
☐ HMD 0221	Failed to comply with hazardous waste satellite container regulation. 22 CCR 66262.34(e)
☐ HMD 0223	Failed to properly empty container, failed to manage non-empty container, or inner liner removed from a container. 22 CCR 66261.7(b), (d) and/or (r); 66262.34(f)
☐ HMD 0224	Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 22 CCR 66261.7(e),(f)

Universal Waste Handler Requirements

#	VIOLATION DESCRIPTION
☐ 3010004	Failed to obtain an EPA ID number from DTSC or US EPA prior to storing 5,000 kg or more of universal waste. 22 CCR 66273.32(a),(b)
☐ 3020002	Failed to maintain universal waste handler training records for 3 years. 22 CCR 66273.36(c),(d)
☐ 3020003	Failed to properly train handlers of universal waste in universal waste management and response procedures. 22 CCR 66273.36(a),(b)
☐ 3030008	Failed to properly label or mark a universal waste (non-Conditionally Exempt Small Quantity Universal Waste Generator). 22 CCR 66273.34
☐ 3030011	Failed to properly dispose of universal waste within one year. 22 CCR 66273.35(a) and/or (b)
☐ 3030046	Failed to keep records of offsite universal waste (UW) shipment(s) available for inspection for 3 years. HSC 25185(a); 22 CCR 66273.39(c), (d)(2)
☐ 3030051	Failed to meet the accumulation standards for universal waste aerosol containers and waste handling. HSC 25201.16(f)
☐ 3040004	Failed to manage universal waste in a manner to prevent release(s) to the environment. 22 CCR 66273.33; 66273.33.5
☐ 3050003	Disposal of universal waste (UW) to an unauthorized point. HSC 25189.5(a), 25189(c),(d); 25189.2(c); 22 CCR 66273.31(a)

COUNTY OF SAN DIEGO

CORRECTIVE ACTION FORM TO DOCUMENT RETURN TO COMPLIANCE

INSPECTION DATE: **02/02/2016**
RECORD ID #: **DEH2003-HUPFP-202243**
SPECIALIST: **Campanella, Luke**
INSPECTION CONTACT: **Mary Kuhn**
TITLE: **Operations Manager**
PHONE: **(619) 222-4930**
E-MAIL: **mary@driscollmanagementinc.com**

FACILITY NAME: **DRISCOLL'S WHARF**
ADDRESS: **4918 N HARBOR DR**
CITY/ZIP: **SAN DIEGO** /**92106**

VIOL#	DATE CORRECTED	INDICATE HOW VIOLATIONS WERE CORRECTED (Attach Any Supporting Documentation)	DUE DATE
#**1** 1010008			03/03/2016
#**2** 1010005			03/03/2016
#**3** 3030007			03/03/2016

I certify under penalty of law that this facility has corrected all violations marked on the Compliance Inspection Report/Notice of Violation. I have personally examined and am familiar with the information submitted and believe the information is true, accurate and complete. I am authorized to file this certification for the facility, and am aware that there are significant penalties for submitting false information.

PRINTED NAME OF FACILITY REPRESENTATIVE	SIGNATURE		DATE SIGNED
TITLE OF FACILITY REPRESENTATIVE			

SEND COMPLETED FORM AND SUPPORTING DOCUMENTATION TO THE ADDRESS LISTED BELOW

COUNTY OF SAN DIEGO USE ONLY

REVIEWED BY: ______________________ DATE: ____________

SPECIALIST'S COMMENTS:

☐ All violations noted on date listed above were corrected

☐ Based On Information Provided By The Facility ☐ RTC entered by Specialist on: ____________

☐ Based On Field Verification By Specialist ☐ RTC entered by Office Assistant on: ____________

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
http://www.sdcdeh.org 858-505-6880

COUNTY OF SAN DIEGO

UPFP INSPECTION CHECKLIST

INSPECTION DATE: **03/29/2018**
RECORD ID #: **DEH2003-HUPFP-202243**
TIME START: **12:30 PM** END: **3:00 PM**
SPECIALIST: **Rajkumar Devasirvatham**
INSPECTION CONTACT: **Max Maher**
TITLE: **Marina Manager**
PHONE: **(619) 761-1221**
E-MAIL: **max@driscollinc.com**

FACILITY NAME: **DRISCOLL'S WHARF**
ADDRESS: **4918 N HARBOR DR**
CITY/ZIP: **SAN DIEGO** /**92106**

FACILITY REFERENCE DATA

ACCELA

RECORD STATUS: Permit Renewed
PERMIT EXPIRATION DATE: 05/31/2018
BALANCE DUE: $625.00
INSPECTOR: Rajkumar Devasirvatham
INSPECTION TYPE: Routine
INSPECTION STATUS: Pending Corrective Action

CERS

EPA ID NUMBER: CAL000004624
FACILITY CERS ID NUMBER: 10382590
CERS LEAD USER: Thomas Driscoll
LAST CERS SUBMITTAL DATE: 04/14/2017
ENVIRONMENTAL CONTACT EMAIL: max@driscollinc.com
ENVIRONMENTAL CONTACT PHONE: 619-761-1221

FACILITY INFORMATION

	YES	NO
INACTIVATION INSPECTION:	☐	☒
CHANGE OF OWNER:	☐	☒
CHANGE IN BUSINESS TYPE:	☐	☒
BUSINESS TYPE: Boat Yards and Marinas- Repair &/or USTs		
ISSUE INITIAL INVOICE:	☐	☒
ASSESS NON-NOTIFICATION FEE:	☐	☒
ASSESS RE-INSPECTION FEE:	☐	☒
FACILITY SUBJECT TO BASE FEE:	☒	☐
FACILITY SUBJECT TO CUPA FEE:	☒	☐
UPDATE FACILITY ADDRESS IN AA:	☐	☒
BUSINESS CLOSE DATE:		

	YES	NO
HAZARDOUS MATERIALS:	☒	☐
HAZARDOUS WASTE:	☒	☐
ABOVEGROUND PETROLEUM STORAGE ACT:*	☐	☒
TOTAL SHELL CAPACITY APSA: 0		
UNDERGROUND STORAGE TANK:	☐	☒
CALARP PROGRAM (CERS):	☐	☒
CALARP PROGRAM LEVEL: 1 2 3 **N/A** (selected)		
MEDICAL WASTE:	☐	☒
MW FACILITY GENERATING OVER 200 LBS PER MONTH:	☐	☒
EPIC PARTICIPANT:	☐	☒
NUMBER OF TLV GASES AT THE FACILITY: 0		

HW GENERATOR STATUS : LQG **SQG** (selected) CESQG RCRA LQG N/A

TIERED PERMIT LEVEL(S) : CESQT CESW CE-L CE-CL HHW PBR CA **N/A** (selected)

PRIMARY BILLING CODE: Not Applicable
SECONDARY BILLING CODE: Not Applicable
TERTIARY BILLING CODE: Not Applicable

INSPECTION SCOPE:*

HAZARDOUS MATERIALS: **GEN HAZMAT** (selected) APSA UST

HAZARDOUS WASTE: **SQG** (selected) LQG

MEDICAL WASTE: SQG SQG - TREATS LQG LQG - ABBREVIATED LQG - TREATS

CALARP: 1 2 3

TIERED PERMITTING: CESQT CESW CE-L CE-CL CA PBR HHW

CONSENT TO CONDUCT INSPECTION GRANTED BY: INSPECTION CONTACT ☒ NAME: Max Maher TITLE: Marina Manager

REMOVE BLANK CHECKLISTS FROM FINAL INSPECTION REPORT ☐ REFUSED TO SIGN ☐

TIME ACCOUNTING (Routine) **TOTAL TIME ENTERED: 0**

Date	Time	Group	Type
03/29/2018	0	HMD Inspection	Report Writing - Record
03/29/2018	0	HMD Inspection	Travel Time - Record
03/29/2018	0	HMD Inspection	HM/HW - Record

COUNTY OF SAN DIEGO

UPFP INSPECTION CHECKLIST

FACILITY NAME: **DRISCOLL'S WHARF**
ADDRESS: **4918 N HARBOR DR**
CITY/ZIP: **SAN DIEGO** /**92106**

INSPECTION DATE: **03/29/2018**
RECORD ID #: **DEH2003-HUPFP-202243**
TIME START: **12:30 PM** END: **3:00 PM**
SPECIALIST: **Rajkumar Devasirvatham**
INSPECTION CONTACT: **Max Maher**
TITLE: **Marina Manager**
PHONE: **(619) 761-1221**
E-MAIL: **max@driscollinc.com**

INSPECTION REPORT EMAILS:

Rajkumar.Devasirvatham@sdcounty.ca.gov

RECORD COMMENT:

Routine inspection conducted on 3/29/18. Business plans to relocate office suites in the same building soon, but the address of operations and ownership will remain the same.

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

FACILITY NAME: **DRISCOLL'S WHARF**
ADDRESS: **4918 N HARBOR DR**
CITY/ZIP: **SAN DIEGO /92106**

INSPECTION DATE: **03/29/2018** PAGE **1** OF **6**
RECORD ID #: **DEH2003-HUPFP-202243**
TIME START: **12:30 PM** END: **3:00 PM**
SPECIALIST: **Rajkumar Devasirvatham**
INSPECTION CONTACT: **Max Maher**
TITLE: **Marina Manager**
PHONE: **(619) 761-1221**
E-MAIL: **max@driscollinc.com**

On the above date, the County inspected your facility under the authority of the California Health and Safety Code (H&SC), to determine compliance with applicable provisions of the H&SC, the California Code of Regulations (CCR), and the San Diego County Code of Regulatory Ordinances (SDCC). **This report serves as a Notice to Comply (H&SC 25187.8 & 25404.1.2) for any minor violations as defined in H&SC 25404 and 25117.6.** This report may contain both minor and more significant (Class II) violations. Minor violations do not include repeat violations or violations remaining uncorrected for more than 30 days (or as specified below). Minor violations do not include knowing, willful, intentional, or chronic violations; nor do they include violations showing a pattern of neglect or disregard. The remarks below are intended to provide guidance to correct any violations indicated on the attached violation report. You must submit a written response to this report within 30 days (or as specified below) demonstrating that all violations have been corrected or include a written notice of disagreement that clearly states the reason for any disputed violations. Prompt correction can protect you from penalties for a "minor violation". Penalties can be imposed for each day in violation for all other violations even if they are corrected promptly. However, correction within 30 days (or as specified below) will make a penalty less likely.

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

Yes	N/A		Yes	N/A	
☒	☐	Unified Program Facility Permit Current	☒	☐	Contingency Plan Available ☐ LQG ☒ SQG
☒	☐	Hazardous Materials Business Plan Available	☒	☐	Employee Training Records Available
☒	☐	Employee Training is Adequate	☒	☐	Universal Waste Managed Properly
☒	☐	Waste Disposal Records Available for Review	☒	☐	Waste Containers ☒ Closed ☒ Labeled
☒	☐	Emergency Contacts Current ☐ Updated today	☒	☐	Waste Containers in Good Condition
☒	☐	Chemical Inventory/Map Current ☐ Updated today			Permit Expires On 05/31/2018

CONSENT TO CONDUCT INSPECTION GRANTED BY: Max Maher TITLE: Marina Manager

INTRODUCTION:
Today I conducted a routine inspection of Driscoll's Wharf to verify compliance with hazardous materials and hazardous waste regulations. Consent to conduct this inspection and take photos was granted by Max Maher, Marina Manager. This facility is a marina for commercial fishermen.

This facility is subject to Hazardous Materials Business Plan (HMBP) and hazardous waste generator requirements for storing reportable amounts of hazardous materials (55 gallons, 500 pounds, 200 cubic feet) and for generating hazardous waste. This facility appears to be a small quantity generator (SQG) of hazardous waste. Based on manifests / disposal receipts this facility appears to be a small quantity generator of hazardous waste for generating less than 1000 kg / 270 gallons of hazardous waste in a month.

I observed the following during inspection:
- 2 x 8 gallon cylinders and 1 x 5 gallon cylinder of propane
- 2 x 55 gallon drums designated for used oil (empty)
- 1 x 55 gallon drum designated for metal filters (empty and recycled)
- 1 x 55 gallon drum designated for oily absorbent (empty)
- 1 x trailer mounted diesel generator (capacity unknown)

VIOLATION # 1
HMD0138 Manifest signed by the TSDF not available for inspection. 22 CCR 66262.40(a); HSC 25185(a)(4)

Classification: Minor

Observations:
Manifest #016757088 dated 3/7/17 was missing Treatment Storage Disposal Facility signature. Max contacted the waste hauler during the inspection but was unable to retrieve the signed copy from the TSDF before the end of the inspection.

Corrective Action Due By:04/28/2018
Within 30 days, submit the TSDF signed copy of the above manifest to me at rajkumar.devasirvatham@sdcounty.ca.gov. Ensure that TSDF signed copies are retrieved from the TSDF within 35 days of diposal and that manifests are maintained on site for 3 years.

INSPECTION REMARKS:
Minor Violation Corrected During Inspection:

- EPA ID Number CAL000004624 was inactive as of 6/30/17. I assisted Max Maher in completing DTSC Form 1358 and submitting it to DTSC. Upon receipt of an electronic verification email from DTSC, ensure the electronic verification questionnaire (EVQ) is completed to reactive this facility's EPA ID Number. Ensure the EVQ is completed annually at https://evq.dtsc.ca.gov/Home.aspx to maintain an active EPA ID Number.

I assisted the business in annual recertification of HMBP, which was due in April 2018, and in updating federal hazard categories of inventory items in CERS. Ensure HMBP is renewed annually or within 30 days of significant changes by logging into CERS, verifying accuracy of Facility Information, Hazardous Materials Inventory, and Emergency Response Plans; and submitting all three sections.

Training records were reviewed dating back 3 years. Per Max Maher, he is normally the only employee onsite, but HMBP employee training is conducted annually through Unified Port of San Diego Stormwater BMP Training for other employees who may work here a few days a year.

I observed manifests / disposal receipts for 2017. World Oil / Asbury is the registered waste hauler for this facility. Per Max Maher and DTSC, no hazardous waste was generated / disposed in 2016. Per Max Maher, no hazardous waste has been generated yet in 2018.

Within 30 days, determine the capacity for the diesel generator stored on the offload pier. If the capacity is 55 gallons or more, add diesel as an inventory item in CERS and resubmit the Hazardous Materials Inventory section. Contact the CERS Help Desk at 858-505-6990 for assistance. See attached photo.

I provided Max Maher with a guidance document on Paint Care via email.

Per Max Maher, the business plans to relocated office suites within the same building in the next few months, but operations will remain at the same locations. Please remember to update the business' address in CERS within 30 days of moving suites.

Helpful Websites:
• For guidance documents on hazardous materials-related topics,
go to: http://www.sandiegocounty.gov/content/sdc/deh/hazmat/hmd_publications.html
• For information on the California Environmental Reporting System (CERS),
go to: http://www.sandiegocounty.gov/content/sdc/deh/hazmat/hmd_cers.html
• If you have questions on: permit fees, business plan requirements, or hazardous waste regulations,
go to: http://www.sandiegocounty.gov/content/sdc/deh/hazmat.html
• To find out the latest San Diego County News and receive updates, subscribe to our govdelivery emails:
https://public.govdelivery.com/accounts/CASAND/subscriber/new

If you have any questions regarding this inspection, please contact Rajkumar Devasirvatham, 619-726-5987,
Rajkumar.Devasirvatham@sdcounty.ca.gov

INSPECTION PHOTOS

Emergency Generator observed on Offload Pier.

All regulated businesses are required by law to submit their Unified Program-related information and business updates online through the California Environmental Reporting System (CERS). For additional information about CERS, go to: http://www.sandiegocounty.gov/deh/hazmat/hmd_cers.html

PRINTED NAME OF FACILITY REPRESENTATIVE **Max Maher**	SIGNATURE		DATE SIGNED **03/29/2018**
TITLE OF FACILITY REPRESENTATIVE **Marina Manager**			

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT
Handlers of Hazardous Materials and Small and Large Quantity Generators of Hazardous Waste

FACILITY NAME: * DRISCOLL'S WHARF
ADDRESS: * 4918 N HARBOR DR CITY/ZIP: * SAN DIEGO 92106

Each violation checked below is for the section(s) of the California Health and Safety Code (HSC), California Code of Regulations (CCR), or the San Diego County Code (SDCC) indicated in italics. Incorporated provisions of Title 40 of the Code of Federal regulations (CFR) are noted for reference. All violations must be corrected. Submit documentation of return to compliance to your Specialist. You may use the Corrective Action Form (HM-926) to document your return to compliance. Please call (858) 505-6880 or your Specialist if you have any questions. HMBP = Hazardous Materials Business Plan; CUPA = Certified Unified Program Agency; CERS = California Environmental Reporting System; SQG = Small Quantity Hazardous Waste Generator; LQG = Large Quantity Hazardous Waste Generator

HAZARDOUS MATERIALS REQUIREMENTS

#	VIOLATION DESCRIPTION
☐ 1010001	Failed to establish and implement a HMBP. HSC 25505(a) and 25507(a)
☐ 1010002	HMBP not submitted to the CUPA in CERS. HSC 25508(a)(1)(A); 27 CCR 15188(a),(b),(d)
☐ 1010003	Business Activities &/or Business Owner/Operator page not completed in CERS. 19 CCR 2652(a)(1); SDCC 68.904(b); HSC 25508(a)(1)(A)
☐ 1010004	Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25507(a); 25508.1(a-b); 19 CCR 2654 (a) or (d)
☐ 1010005	Site map not submitted in CERS or not sufficient. HSC 25505(a)(2); 25508.1(f); 19 CCR 2652(a)(3)
☐ 1010006	Failed to update HMBP in CERS within 30 days of a substantial change to any portion of the HMBP, including inventory changes or facility information. HSC 25508.1(a-f); 19 CCR 2654(d); SDCC 68.904(c)(6)
☐ 1010008	HMBP not certified annually as complete and accurate in CERS. HSC 25508(a)(1)(A), 25508.2, 19 CCR 2654(b)
☐ 1010010	Emergency response plan and procedures to mitigate a release or threatened release not adequate, not established or not submitted in CERS. HSC 25505(a)(3), 25508(a)(1)(A); 19 CCR 2658
☐ 1010011	Failure to notify property owner in writing that the business is subject to the HMBP program. HSC 25505.1
☐ 1010012	Failure to provide a copy of HMBP to the property owner within five working days upon request from property owner. HSC 25505.1
☐ 1010014	Failure to submit emergency response plan in CERS, when not meeting agricultural handler exemption. HSC 25507.1(a) and 25508(a)(1)(A); 19 CCR 2670, 2671
☐ 1010015	Failure to submit employee training plan in CERS, when not meeting agricultural handler exemption. HSC 25507.1(a) and 25508(a)(1)(A)
☐ 1010016	HMBP not established or submitted in CERS, when not meeting the remote site exemption. HSC 25507.2 and 25508(a)(1)(A)
☐ 1020001	Employee training and/or plan for safety procedures in the event of a release or threatened release of a hazardous material not adequate, not established or not submitted in CERS. HSC 25505(a)(4) and 25508(a)(1)(A); 19 CCR 2659(a)
☐ 1020002	Initial &/or annual employee training not conducted in safety procedures for a hazardous material release or threatened release &/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4); 19 CCR 2659(b)
☐ 1040001	Hazardous materials release or threatened release not immediately reported to the CUPA and OES upon discovery. HSC 25510(a); 19 CCR 2631(a)
☐ HMD1001	Unified Program Facility permit not obtained for hazardous materials. SDCC 68.905; 68.906, 68.907
☐ HMD1005	Emergency contact not provided or current in CERS. HSC 25508.1(f); SDCC 68.904(b)
☐ HMD1007	Highly toxic gas (TLV<10 ppm) not disclosed in CERS. SDCC 68.1113(a)
☐ HMD1008	Annual carcinogen/reproductive toxin list not submitted in CERS. SDCC 68.1113(b)
☐ 1010017	HMBP not readily available to facility personnel or the CUPA. HSC 25505(c)

HAZARDOUS WASTE REQUIREMENTS FOR SQGS ONLY

#	VIOLATION DESCRIPTION
☐ HMD0226	Did not accumulate waste in a container or tank. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(2)
☐ 3030007	Failed to properly label/date hazardous waste container &/or tank. 22 CCR 66262.34(f)
☐ 3030010	Accumulated waste too long (>180 or 270 days) or (>90 days). HSC 25201(a), 25123.3(h)(1); 22 CCR 66262.34(d); 40 CFR 262.34(e) and/or (f)
☐ 3030013	Failed to accumulate hazardous waste in a container that is in good condition. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(2), 265.171
☐ 3030015	Failed to accumulate or store hazardous waste in a lined &/or compatible container. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(2), 265.172
☐ 3030017	Failed to properly close hazardous waste container(s). 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(2), 265.173
☐ 3030019	Failed to inspect hazardous waste storage area at least weekly. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(2), 265.174
☐ 3030022	Failed to properly separate incompatible waste. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(2), 265.177
☐ 3030030	Failed to maintain &/or operate facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(4), 265.31
☐ 3030036	Failed to maintain adequate aisle space. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(4), 265.35
☐ 3010022	Failed to post, next to the telephone, emergency information containing the location of emergency equipment, contact names and phone numbers. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(5)(ii)
☐ 3020001	Failure to ensure employees are thoroughly familiar with proper waste handling and emergency procedures during normal facility operations and emergencies. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(5)(iii)
☐ 3030032	Failed to maintain the following emergency response equipment or equivalent: 1) An internal communication or alarm system; 2) A communication device, such as a telephone; 3) Portable fire extinguishers, fire/spill control equipment and decontamination equipment; and 4) Water at adequate volume and pressure. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(4), 265.32
☐ 3030039	Failed to have an emergency coordinator on the premises or on call, and available during an emergency. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(5)(i)
☐ HMD0412	Failed to implement and/or coordinate emergency response measures during an emergency, spill/release. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(5)(iv)

HAZARDOUS WASTE TANK SYSTEMS FOR SQGS ONLY

#	VIOLATION DESCRIPTION
☐ 3030024	Failed to operate uncovered tank to ensure at least 2 ft. of freeboard to prevent overtopping, unless the tank is equipped with a containment structure, a drainage control system, or a diversion structure with a capacity that equals or exceeds the volume of the top 2 ft. of the tank. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(3), 265.201(b)(c)

- ☐ 3030025 Failed to provide an overfill protection device on continuously fed hazardous waste tank(s). 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(3), 265.201(b)(4)
- ☐ 3030027 Failed to conduct daily tank inspection of discharge control system, monitoring equipment and waste level. 22 CCR 66262.34(d)(2); 40 CFR 265.201(c)(1-3), 262.34(d)(3)
- ☐ 3030028 Failed to conduct weekly hazardous waste tank inspection(s) to detect signs of leakage and ensure that the construction materials, fixtures and surrounding areas of the tank are in good condition. 22 CCR 66262.34(d)(2); 40 CFR 265.201(c)(4 & 5), 262.34(d)(3)
- ☐ 3050007 Failed to properly remove all waste upon closure, decontaminate, and document the closure of a hazardous waste tank system. 22 CCR 67383.3; 40 CFR 262.34(d)(3), 265.201(f)
- ☐ HMD1612 Hazardous waste improperly stored in a tank system causing leaks, corrosion, or failure. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(3), 265.201(b)
- ☐ HMD1614 Failed to pre-notify the CUPA in writing prior to closing a hazardous waste tank system. 22 CCR 67383.3(a)(1)
- ☐ HMD1615 Failed to properly accumulate ignitable or reactive waste in a tank system. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(3), 265.201(g)

HAZARDOUS WASTE REQUIREMENTS FOR SQGS AND LQGS

RECORD KEEPING/OPERATIONAL REQUIREMENTS

#		VIOLATION DESCRIPTION
	☐ HMD0131	Unified Program Facility Permit not obtained &/or maintained for the generation of hazardous waste. SDCC 68.905
	☐ HMD0150	Failed to submit complete and accurate Facility Information in CERS. 27 CCR 15188(b-c); SDCC 68.904(b)
	☐ 3030053	Failed to maintain waste analysis records, analytical records &/or waste determination results for at least 3 years. 22 CCR 66262.40(c)
	☐ 3010002	Failed to obtain &/or maintain an active EPA ID Number. 22 CCR 66262.12(a)
	☐ 3010008	Failed to properly complete a uniform hazardous waste manifest. 22 CCR 66262.23(a)
	☐ 3010009	Failed to submit an Exception Report to DTSC for hazardous waste manifest. HSC 25123.3(h)(2); 22 CCR 66262.42(b), (c), &/or (d)
	☐ 3010010	Failed to maintain copies of Uniform Hazardous Waste Manifest, consolidated manifest, or Bills of Lading for 3 years. HSC 25160.2(b)(3), 25185(a)(4); 22 CCR 66262.40(a), 66262.23(a)(3)
	☐ 3010011	Failed to send copy of the uniform hazardous waste manifest to DTSC within 30 days of shipment. 22 CCR 66262.23(a)(4)
	☐ 3010013	Failed to meet the consolidated manifesting requirements for waste shipment. HSC 25160.2(b)(3) &/or (c)
	☐ 3010014	Failed to retain at the generator's place of business disposal records of spent lead-acid batteries for at least 3 years. 22 CCR 66266.81(a)(4)(A) &/or (B)
	☐ 3030006	Failed to determine if a hazardous waste is restricted or prohibited from land disposal and has to be treated. 22 CCR 66268.7(a)(1)
	☐ 3010016	Failure of recycler who recycles more than 100 kilograms per month of a recyclable material to submit the biennial Recyclable Materials Report (RMR) in CERS when claiming exclusion or exemption. HSC 25143.10(a), (c) &/or (d)
	☐ HMD0149	Failed to keep disposal receipts for drained used oil filters and/or drained fuel filters for 3 years. HSC 25250.22; 22 CCR 66266.130(c)(5)
	☐ HMD0152	Failed to report &/or update the required inventory information for hazardous waste(s) generated at the facility in CERS. SDCC 68.904(a)(2)
	☐ HMD0140	Failed to have Land Disposal Restriction documentation onsite for 3 years. 22 CCR 66268.7(a)(8)
	☐ 3250005	Failed to obtain a Treatment, Storage and Disposal Facility (TSDF) permit or authorization to store/treat/dispose of hazardous waste. HSC 25201(a)
	☐ 3050005	Failed to have adequate records demonstrating claim of exemption or exclusion for recyclable materials. HSC 25143.2(f)
	☐ HMD0142	Failed to notify the CUPA in CERS for onsite hazardous waste treatment/tiered permitting. HSC 25201(a)
1	☒ HMD0138	Manifest signed by the TSDF not available for inspection. 22 CCR 66262.40(a); HSC 25185(a)(4)

DISPOSAL AND TRANSPORTATION

#		VIOLATION DESCRIPTION
	☐ 3010007	Failed to prepare a hazardous waste manifest for the transport of a waste for off-site transfer, treatment, storage, or disposal. HSC 25160(b)(1) or (2), 25160.2(b)(9); 22 CCR 66262.20(a)
	☐ 3030005	Failed to make a proper waste determination. 22 CCR 66262.11, 66262.40(c)
	☐ 3050001	Failed to use a DTSC registered hazardous waste transporter to transport hazardous waste. HSC 25163(a)
	☐ 3050002	Failed to properly dispose of hazardous waste at an authorized facility. HSC 25189.5(a)
	☐ HMD0308	Impermissible dilution of hazardous waste. 22 CCR 66268.3(a)
	☐ HMD0305	Disposed of used oil illegally. HSC 25250.5(a), 25189.5(a)
	☐ HMD0306	Failed to properly dispose of oil-based paint &/or hazardous waste latex paint liquid. HSC 25217.1, 25189.5(a)

STORAGE AND HANDLING

#		VIOLATION DESCRIPTION
	☐ 3030001	Failed to meet the management requirements when handling or storing spent lead-acid batteries. 22 CCR 66266.81(a)
	☐ 3030003	Failed to properly manage 'damaged' spent lead acid batteries so as to minimize the release of acid and lead and to protect the handlers and the environment 22 CCR 66266.81(b)
	☐ 3030004	Failed to properly manage, store, label &/or recycle used oil filters &/or used fuel filters. HSC 25250.22; 22 CCR 66266.130
	☐ 3050004	Generator intentionally contaminated used oil with another hazardous waste other than minimal amounts of fuel. HSC 25250.7(a), (c)
	☐ HMD0222	Failed to properly label Excluded Recyclable Materials (ERM) accumulated in a container or tank. HSC 25143.9(a)
	☐ HMD0216	Failed to label hazardous material container within 10 days after the container was discovered to be mislabeled or inadequately labeled. HSC 25124(b)(3)(A); 22 CCR 66262.34(f)
	☐ HMD0217	Failed to repackage and properly label damaged/deteriorated hazardous material container within 96 hours. HSC 25124(b)(3)(B); 22 CCR 66262.34(f)
	☐ HMD0219	Failed to properly segregate used oil &/or fuel drained from filters. HSC 25250.22(b)(4); 22 CCR 66266.130(c)(6)
	☐ 3030057	Failed to comply with hazardous waste satellite container regulation. 22 CCR 66262.34(e)
	☐ HMD0023	Failed to properly empty container, failed to manage non-empty container, or inner liner removed from a container. 22 CCR 66261.7(b), (d), (e) &/or (r)
	☐ 3030058	Failed to mark date on empty container larger than 5 gallons &/or manage it within one year. 22 CCR 66261.7(f)
	☐ 3030059	Failure of the owner or operator managing laboratory hazardous waste in a laboratory accumulation area to comply with the quantity limitations, management, training, or documentation requirements. HSC 25200.3.1(b)

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

Hazardous Materials and Hazardous Waste (continued)

UNIVERSAL WASTE HANDLER REQUIREMENTS

#	VIOLATION DESCRIPTION
☐ 3010004	Failed to obtain a California ID Number from DTSC or federal ID Number from USEPA prior to accumulating 5,000 kgs or more of Universal Waste. 22 CCR 66273.32(a-b)
☐ HMD0151	Failed to maintain universal waste handler training records for 3 years. 22 CCR 66273.36(c),(d)
☐ 3020003	Failed to properly train handlers of universal waste in universal waste management and response procedures. 22 CCR 66273.36(a),(b)
☐ 3030008	Failed to properly label or mark Universal Waste container, package, or pallet (excluding CESQUWG) 22 CCR 66273.34
☐ 3030011	Failed to properly dispose of Universal Waste within one year. 22 CCR 66273.35(a) &/or (b)
☐ HMD0147	Failed to keep records of offsite Universal Waste shipment(s) available for inspection for 3 years. 22 CCR 66273.39(c),(d)(2)
☐ 3030051	Failed to meet accumulation, labeling, marking, &/or containment standards for Universal Waste aerosol containers. HSC 25201.16(f)
☐ 3040004	Failed to manage universal waste in a manner to prevent release(s) to the environment. 22 CCR 66273.33; 66273.33.5
☐ HMD0307	Disposal of universal waste (UW) to an unauthorized point. HSC 25189.5(a); 22 CCR 66273.31(a), 66273.8(b)
☐ 3010005	Failure of a universal handler of electronic devices or CRTs from an offsite source to notify DTSC 30 days prior to acceptance. 22 CCR 66273.32(c)
☐ 3030055	Failure of certified appliance recycler (CAR) to properly remove and dispose of all materials that require special handling (MRSH). HSC 25211.3, 25212, 25212(c)

COUNTY OF SAN DIEGO

CORRECTIVE ACTION FORM TO DOCUMENT RETURN TO COMPLIANCE

INSPECTION DATE: **03/29/2018**
RECORD ID #: **DEH2003-HUPFP-202243**
SPECIALIST: **Rajkumar Devasirvatham**
INSPECTION CONTACT: **Max Maher**
TITLE: **Marina Manager**
PHONE: **(619) 761-1221**
E-MAIL: **max@driscollinc.com**

FACILITY NAME: **DRISCOLL'S WHARF**
ADDRESS: **4918 N HARBOR DR**
CITY/ZIP: **SAN DIEGO** / **92106**

VIOL#	DATE CORRECTED	INDICATE HOW VIOLATIONS WERE CORRECTED (Attach Any Supporting Documentation)	DUE DATE
#**1** HMD0138			04/28/2018

I certify under penalty of law that this facility has corrected all violations marked on the Compliance Inspection Report/Notice of Violation. I have personally examined and am familiar with the information submitted and believe the information is true, accurate and complete. I am authorized to file this certification for the facility, and am aware that there are significant penalties for submitting false information.

PRINTED NAME OF FACILITY REPRESENTATIVE	SIGNATURE		DATE SIGNED
TITLE OF FACILITY REPRESENTATIVE			

SEND COMPLETED FORM AND SUPPORTING DOCUMENTATION TO THE ADDRESS LISTED BELOW

COUNTY OF SAN DIEGO USE ONLY

REVIEWED BY: ______________________ DATE: ____________

SPECIALIST'S COMMENTS:

☐ All violations noted on date listed above were corrected

☐ Based On Information Provided By The Facility

☐ RTC entered by Specialist on: ____________

☐ Based On Field Verification By Specialist

☐ RTC entered by Office Assistant on: ____________

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
http://www.sdcdeh.org 858-505-6880

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

FACILITY NAME: **DRISCOLL'S WHARF**
ADDRESS: **4918 N HARBOR DR**
CITY/ZIP: **SAN DIEGO** /**92106**

RECORD ID #: **DEH2003-HUPFP-202243**
TIME START: **8:00 AM** END: **8:30 AM**
SPECIALIST: **Danielle Ceniceros**
INSPECTION CONTACT: **Valerie Law**
TITLE: **Marina Manager**
PHONE: **619-222-4930**
E-MAIL: **vlaw@driscollswharf.com**

On the above date, the County inspected your facility under the authority of the California Health and Safety Code (H&SC), to determine compliance with applicable provisions of the H&SC, the California Code of Regulations (CCR), and the San Diego County Code of Regulatory Ordinances (SDCC). **This report serves as a Notice to Comply (H&SC 25187.8 & 25404.1.2) for any minor violations as defined in H&SC 25404 and 25117.6.** This report may contain both minor and more significant (Class II) violations. Minor violations do not include repeat violations or violations remaining uncorrected for more than 30 days (or as specified below). Minor violations do not include knowing, willful, intentional, or chronic violations; nor do they include violations showing a pattern of neglect or disregard. The remarks below are intended to provide guidance to correct any violations indicated on the attached violation report. You must submit a written response to this report within 30 days (or as specified below) demonstrating that all violations have been corrected or include a written notice of disagreement that clearly states the reason for any disputed violations. Prompt correction can protect you from penalties for a "minor violation". Penalties can be imposed for each day in violation for all other violations even if they are corrected promptly. However, correction within 30 days (or as specified below) will make a penalty less likely.

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

☒ Unified Program Facility Permit Current	☒ Contingency Plan Available ☐ LQG ☒ SQG
☒ Hazardous Materials Business Plan Available	☒ Employee Training Records Available
☒ Employee Training is Adequate	☒ Universal Waste Managed Properly
☒ Waste Disposal Records Available for Review	☒ Waste Containers ☒ Closed ☒ Labeled
☒ Emergency Contacts Current ☐ Updated today	☒ Waste Containers in Good Condition
☒ Chemical Inventory/Map Current ☐ Updated today	Permit Expires On 05/31/2021

CONSENT TO CONDUCT INSPECTION GRANTED BY: Valerie Law TITLE: Marina Manager

INTRODUCTION:
This was a routine Certified Unified Program Agency (CUPA) compliance inspection conducted on March 18, 2021 by Environmental Health Specialist, Danielle Ceniceros at Driscoll's Wharf for the on-site management of Hazardous Materials and Hazardous Waste. The scope of this inspection includes the following: 1) Hazardous Materials Business Plan 2) Hazardous Waste Management requirements.

Consent was granted by: Valerie Law, Marina Manager for the following:

-conduct the inspection

This facility is a boating business that offers pierside, maintenance, and marine repair services.

<u>Inspection Summary:</u>

NOTE: the inspection was conducted on March 18, 2021. The inspection report was issued to the facility on March 18, 2021.

<u>Hazardous Materials Business Plan (HMBP):</u>

- Annual employee training records were available and reviewed for 2018, 2019, and 2020. Per Valerie Law, Marina Manager, the annual training for 2021 has not been completed, yet, but will be in the future.

- The HMBP was available for review on-site. The HMBP was submitted on March 17, 2021. Per the submittal, the facility is subject to the Hazardous Materials Business Plan and Hazardous Waste Generator requirements.

Hazardous Waste Generator Requirements:

- At the time of inspection, based on waste manifests and observations, this facility appears to be a small quantity generator [SQG] of hazardous waste.

- Per Valerie Law, Marina Manager, the hazardous waste storage area is inspected every morning at 6:00 am and at the end of the day, every day.

- Contingency Plan/Emergency information accessible via the HMBP.

- Per Hazardous Waste Tracking System, this facility's EPA ID # CAL000004624 and was active at the time of this inspection.

- Waste disposal records were available for review during the inspection. Based on records, this facility is using Asbury Environmental Services, Inc. DBA World Oil as their waste hauler. They average a waste pick up every month or as needed.

INSPECTION REMARKS:

This report was reviewed with Valerie Law, Marina Manager, during a phone call and was not signed due to current Public Health Orders and COVID-19 restrictions.

Local information and updates about COVID-19 are available online at:

https://www.sandiegocounty.gov/coronavirus.html

To receive text messages with COVID-19 information and updates, send "COSD COVID-19" to the number 468-311 on your mobile phone.

Helpful Websites:
• For guidance documents on hazardous materials-related topics,
go to: http://www.sandiegocounty.gov/content/sdc/deh/hazmat/hmd_publications.html
• For information on the California Environmental Reporting System (CERS),
go to: http://www.sandiegocounty.gov/content/sdc/deh/hazmat/hmd_cers.html
• If you have questions on: permit fees, business plan requirements, or hazardous waste regulations,
go to: http://www.sandiegocounty.gov/content/sdc/deh/hazmat.html
• To find out the latest San Diego County News and receive updates, subscribe to our govdelivery emails:
https://public.govdelivery.com/accounts/CASAND/subscriber/new

If you have any questions regarding this inspection, please contact Danielle Ceniceros, 619-804-2128, Danielle.Ceniceros@sdcounty.ca.gov

COUNTY OF SAN DIEGO

SUPPLEMENTAL COMPLIANCE INSPECTION REPORT

INSPECTION PHOTOS
None
INSPECTION ATTACHMENTS

	Document Name	Document Description
1		

All regulated businesses are required by law to submit their Unified Program-related information and business updates online through the California Environmental Reporting System (CERS). For additional information about CERS, go to: http://www.sandiegocounty.gov/deh/hazmat/hmd_cers.html

PRINTED NAME OF FACILITY REPRESENTATIVE **Valerie Law**	SIGNATURE		DATE SIGNED
TITLE OF FACILITY REPRESENTATIVE **Marina Manager**		**Signature Not Obtained**	

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
Phone: (858) 505-6880 http://www.sdcdeh.org

FACILITY NAME: *DRISCOLL'S WHARF
ADDRESS: * 4918 N HARBOR DR CITY/ZIP: *SAN DIEGO 92106

Each violation checked below is for the section(s) of the California Health and Safety Code (HSC), California Code of Regulations (CCR), or the San Diego County Code (SDCC) indicated in italics. Incorporated provisions of Title 40 of the Code of Federal regulations (CFR) are noted for reference. All violations must be corrected. Submit documentation of return to compliance to your Specialist. You may use the Corrective Action Form (HM-926) to document your return to compliance. Please call (858) 505-6880 or your Specialist if you have any questions. HMBP = Hazardous Materials Business Plan; CUPA = Certified Unified Program Agency; CERS = California Environmental Reporting System; SQG = Small Quantity Hazardous Waste Generator; LQG = Large Quantity Hazardous Waste Generator

HAZARDOUS MATERIALS REQUIREMENTS

#	VIOLATION DESCRIPTION
☐ 1010001	Failed to establish and implement a HMBP. HSC 25505(a) and 25507(a)
☐ 1010002	HMBP not submitted in CERS within the required timeframe. HSC 25508(a)(1)(A); 27 CCR 15188(a),(b),(d)
☐ 1010003	Business activities &/or Business Owner/Operator page not complete or accurate in CERS. 19 CCR 2652(a)(1); SDCC 68.904(b); HSC 25508(a)(1)(A), 25508(a)(3)
☐ 1010004	Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25507(a); 25508.1(a-b); 19 CCR 2654 (a) or (d)
☐ 1010005	Site map not submitted in CERS or not sufficient. HSC 25505(a)(2); 25508.1(f); 19 CCR 2652(a)(3)
☐ 1010006	Failed to update HMBP in CERS within 30 days of a substantial change to any portion of the HMBP, including inventory changes or facility information. HSC 25508.1(a-f); 19 CCR 2654(d); SDCC 68.904(c)(6)
☐ 1010008	HMBP not certified as complete and accurate in CERS by the required due date. HSC 25508.2, 19 CCR 2654(b)
☐ 1010010	Emergency response plan and procedures to mitigate a release or threatened release not adequate, not established or not submitted in CERS. HSC 25505(a)(3), 25508(a)(1)(A), 25508(a)(3); 19 CCR 2658
☐ 1010011	Failure to notify property owner in writing that the business is subject to the HMBP program. HSC 25505.1
☐ 1010012	Failure to provide a copy of HMBP to the property owner within five working days upon request from property owner. HSC 25505.1
☐ 1010014	Failure to submit emergency response plan in CERS, when not meeting agricultural handler exemption. HSC 25507.1(a) and 25508(a)(1)(A); 19 CCR 2670, 2671
☐ 1010015	Failure to submit employee training plan in CERS, when not meeting agricultural handler exemption. HSC 25507.1(a) and 25508(a)(1)(A)
☐ 1010016	HMBP not established or submitted in CERS, when not meeting the remote site exemption. HSC 25507.2 and 25508(a)(1)(A)
☐ 1020001	Employee training and/or plan for safety procedures in the event of a release or threatened release of a hazardous material not adequate, not established or not submitted in CERS. HSC 25505(a)(4), 25508(a)(1)(A), 25508(a)(3); 19 CCR 2658, 2659(a)
☐ 1030001	(AWM) Failure of agricultural handler to post warning signs on buildings where pesticides, petroleum, or fertilizers are stored, that are visible from any direction of probable approach, contain all required information, and are in appropriate language. HSC 6.95 25507.1(a)(2); 19 CCR 2670, 2671
☐ 1020002	Initial &/or annual employee training not conducted in safety procedures for a hazardous material release or threatened release &/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4); 19 CCR 2659(b)
☐ 1040001	Hazardous materials release or threatened release not immediately reported to the CUPA and OES upon discovery. HSC 25510(a); 19 CCR 2631(a)
☐ HMD1001	Unified Program Facility permit not obtained for hazardous materials. SDCC 68.904; 68.905; 68.906, 68.907; 68.907.1
☐ HMD1005	Emergency contact not provided or current in CERS. HSC 25508.1(f); SDCC 68.904(b)
☐ HMD1007	Highly toxic gas (TLV<10 ppm) not disclosed in CERS. SDCC 68.1113(a)
☐ HMD1008	Annual carcinogen/reproductive toxin list not submitted in CERS. SDCC 68.1113(b)
☐ 1010017	HMBP not readily available to facility personnel or the CUPA. HSC 25505(c)

HAZARDOUS WASTE REQUIREMENTS FOR SQGS ONLY

#	VIOLATION DESCRIPTION
☐ HMD0226	Did not accumulate waste in a container or tank. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(2)
☐ 3030007	Failed to properly label/date hazardous waste container &/or tank. 22 CCR 66262.34(f)
☐ 3030010	Accumulated waste too long (>180 or 270 days) or (>90 days). HSC 25201(a), 25123.3(h)(1); 22 CCR 66262.34 (b), 66262.34(d); 40 CFR 262.34(e) and/or (f)
☐ 3030013	Failed to accumulate hazardous waste in a container that is in good condition. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(2), 265.171
☐ 3030015	Failed to accumulate or store hazardous waste in a lined &/or compatible container. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(2), 265.172
☐ 3030017	Failed to properly close hazardous waste container(s). 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(2), 265.173
☐ 3030019	Failed to inspect hazardous waste storage area at least weekly. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(2), 265.174
☐ 3030022	Failed to properly separate incompatible waste. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(2), 265.177
☐ 3030030	Failed to maintain &/or operate facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(4), 265.31
☐ 3030036	Failed to maintain adequate aisle space. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(4), 265.35
☐ 3010022	Failed to post, next to the telephone, emergency information containing the location of emergency equipment, contact names and phone numbers. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(5)(ii)
☐ 3020001	Failure to ensure employees are thoroughly familiar with proper waste handling and emergency procedures during normal facility operations and emergencies. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(5)(iii)
☐ 3030032	Failed to maintain the following emergency response equipment or equivalent: 1) An internal communication or alarm system; 2) A communication device, such as a telephone; 3) Portable fire extinguishers, fire/spill control equipment and decontamination equipment; and 4) Water at adequate volume and pressure. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(4), 265.32
☐ 3030039	Failed to have an emergency coordinator on the premises or on call, and available during an emergency. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(5)(i)
☐ HMD0412	Failed to implement and/or coordinate emergency response measures during an emergency, spill/release. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(5)(iv)

HAZARDOUS WASTE TANK SYSTEMS FOR SQGS ONLY

#	VIOLATION DESCRIPTION

- [ ] 3030024 Failed to operate uncovered tank to ensure at least 2 ft. of freeboard to prevent overtopping, unless the tank is equipped with a containment structure, a drainage control system, or a diversion structure with a capacity that equals or exceeds the volume of the top 2 ft. of the tank. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(3), 265.201(b)(c)
- [ ] 3030025 Failed to provide an overfill protection device on continuously fed hazardous waste tank(s). 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(3), 265.201(b)(4)
- [ ] 3030027 Failed to conduct daily tank inspection of discharge control system, monitoring equipment and waste level. 22 CCR 66262.34(d)(2); 40 CFR 265.201(c)(1-3), 262.34(d)(3)
- [ ] 3030028 Failed to conduct weekly hazardous waste tank inspection(s) to detect signs of leakage and ensure that the construction materials, fixtures and surrounding areas of the tank are in good condition. 22 CCR 66262.34(d)(2); 40 CFR 265.201(c)(4 & 5), 262.34(d)(3)
- [ ] 3050007 Failed to properly remove all waste upon closure, decontaminate, and document the closure of a hazardous waste tank system. 22 CCR 67383.3; 40 CFR 262.34(d)(3), 265.201(f)
- [ ] HMD1612 Hazardous waste improperly stored in a tank system causing leaks, corrosion, or failure. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(3), 265.201(b)
- [ ] HMD1614 Failed to pre-notify the CUPA in writing prior to closing a hazardous waste tank system. 22 CCR 67383.3(a)(1)
- [ ] HMD1615 Failed to properly accumulate ignitable or reactive waste in a tank system. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(3), 265.201(g)

HAZARDOUS WASTE REQUIREMENTS FOR SQGS AND LQGS

RECORD KEEPING/OPERATIONAL REQUIREMENTS

\# VIOLATION DESCRIPTION

- [ ] HMD0131 Unified Program Facility Permit not obtained &/or maintained for the generation of hazardous waste. SDCC 68.904; 68.905; 68.907.1
- [ ] HMD0150 Failed to submit complete and accurate Facility Information in CERS. 27 CCR 15188(b-c); SDCC 68.904(b)
- [ ] 3030053 Failed to maintain waste analysis records, analytical records &/or waste determination results for at least 3 years. 22 CCR 66262.40(c)
- [ ] 3010002 Failed to obtain &/or maintain an active EPA ID Number. 22 CCR 66262.12(a)
- [ ] 3010008 Failed to properly complete a uniform hazardous waste manifest. 22 CCR 66262.23(a)
- [ ] 3010009 Failed to submit an Exception Report to DTSC for hazardous waste manifest. HSC 25123.3(h)(2); 22 CCR 66262.42(b), (c), &/or (d)
- [ ] 3010010 Failed to maintain copies of Uniform Hazardous Waste Manifest, consolidated manifest, or Bills of Lading for 3 years. HSC 25160.2(b)(3), 25185(a)(4); 22 CCR 66262.40(a), 66262.23(a)(3)
- [ ] 3010011 Failed to send copy of the uniform hazardous waste manifest to DTSC within 30 days of shipment. 22 CCR 66262.23(a)(4)
- [ ] 3010013 Failed to meet the consolidated manifesting requirements for waste shipment. HSC 25160.2(b)(3) &/or (c)
- [ ] 3010014 Failed to retain at the generator's place of business disposal records of spent lead-acid batteries for at least 3 years. 22 CCR 66266.81(a)(4)(A) &/or (B)
- [ ] 3030006 Failed to determine if a hazardous waste is restricted or prohibited from land disposal and has to be treated. 22 CCR 66268.7(a)(1)
- [ ] 3010016 Failure of recycler who recycles more than 100 kilograms per month of a recyclable material to submit the biennial Recyclable Materials Report (RMR) in CERS when claiming exclusion or exemption. HSC 25143.10(a), (c) &/or (d)
- [ ] HMD0149 Failed to keep disposal receipts for drained used oil filters and/or drained fuel filters for 3 years. HSC 25250.22; 22 CCR 66266.130(c)(5)
- [ ] HMD0152 Failed to report &/or update the required inventory information for hazardous waste(s) generated at the facility in CERS. SDCC 68.904(a)(2)
- [ ] HMD0140 Failed to have Land Disposal Restriction documentation onsite for 3 years. 22 CCR 66268.7(a)(8)
- [ ] 3250005 Failed to obtain a Treatment, Storage and Disposal Facility (TSDF) permit or authorization to store/treat/dispose of hazardous waste. HSC 25201(a)
- [ ] 3050005 Failed to have adequate records demonstrating claim of exemption or exclusion for recyclable materials. HSC 25143.2(f)
- [ ] HMD0142 Failed to notify the CUPA in CERS for onsite hazardous waste treatment/tiered permitting. HSC 25201(a)
- [ ] HMD0138 Manifest signed by the TSDF not available for inspection. 22 CCR 66262.40(a); HSC 25185(a)(4)
- [ ] 3010035 Failure to annually submit notification of generator's intent to remotely consolidate hazardous waste. HSC 25110.10(d)

DISPOSAL AND TRANSPORTATION

\# VIOLATION DESCRIPTION

- [ ] 3010007 Failed to prepare a hazardous waste manifest for the transport of a waste for off-site transfer, treatment, storage, or disposal. HSC 25160(b)(1) or (2), 25160.2(b)(9); 22 CCR 66262.20(a)
- [ ] 3030005 Failed to make a proper waste determination. 22 CCR 66262.11, 66262.40(c)
- [ ] 3050001 Failed to use a DTSC registered hazardous waste transporter to transport hazardous waste. HSC 25163(a)
- [ ] 3050002 Failed to properly dispose of hazardous waste at an authorized facility. HSC 25189.5(a)
- [ ] HMD0308 Impermissible dilution of hazardous waste. 22 CCR 66268.3(a)
- [ ] HMD0305 Disposed of used oil illegally. HSC 25250.5(a), 25189.5(a)
- [ ] HMD0306 Failed to properly dispose of oil-based paint &/or hazardous waste latex paint liquid. HSC 25217.1, 25189.5(a)

STORAGE AND HANDLING

\# VIOLATION DESCRIPTION

- [ ] 3030001 Failed to meet the management requirements when handling or storing spent lead-acid batteries. 22 CCR 66266.81(a)
- [ ] 3030003 Failed to properly manage 'damaged' spent lead acid batteries so as to minimize the release of acid and lead and to protect the handlers and the environment 22 CCR 66266.81(b)
- [ ] 3030004 Failure to properly manage used oil filters and/or fuel filters in accordance with the requirements. HSC 25250.22; 22 CCR 66266.130
- [ ] 3050004 Generator intentionally contaminated used oil with another hazardous waste other than minimal amounts of fuel. HSC 25250.7(a), (c)
- [ ] HMD0222 Failed to properly label Excluded Recyclable Materials (ERM) accumulated in a container or tank. HSC 25143.9(a)
- [ ] HMD0216 Failed to label hazardous material container within 10 days after the container was discovered to be mislabeled or inadequately labeled. HSC 25124(b)(3)(A); 22 CCR 66262.34(f)
- [ ] HMD0217 Failed to repackage and properly label damaged/deteriorated hazardous material container within 96 hours. HSC 25124(b)(3)(B); 22 CCR 66262.34(f)
- [ ] HMD0219 Failed to properly segregate used oil &/or fuel drained from filters. HSC 25250.22(b)(4); 22 CCR 66266.130(c)(6)
- [ ] 3030057 Failed to comply with hazardous waste satellite container regulation. 22 CCR 66262.34(e)
- [ ] HMD0023 Failed to properly empty container, failed to manage non-empty container, or inner liner removed from a container. 22 CCR 66261.7(b), (d), (e) &/or (r)

- [ ] 3030058 Failed to mark date on empty container larger than 5 gallons &/or manage it within one year. 22 CCR 66261.7(f)
- [ ] 3030060 Failure of the owner or operator managing laboratory hazardous waste in a laboratory accumulation area to comply with the accumulation, storage, management, training, and/or record-keeping requirements. HSC 25200.3.1(b) and/or (c)

UNIVERSAL WASTE HANDLER REQUIREMENTS

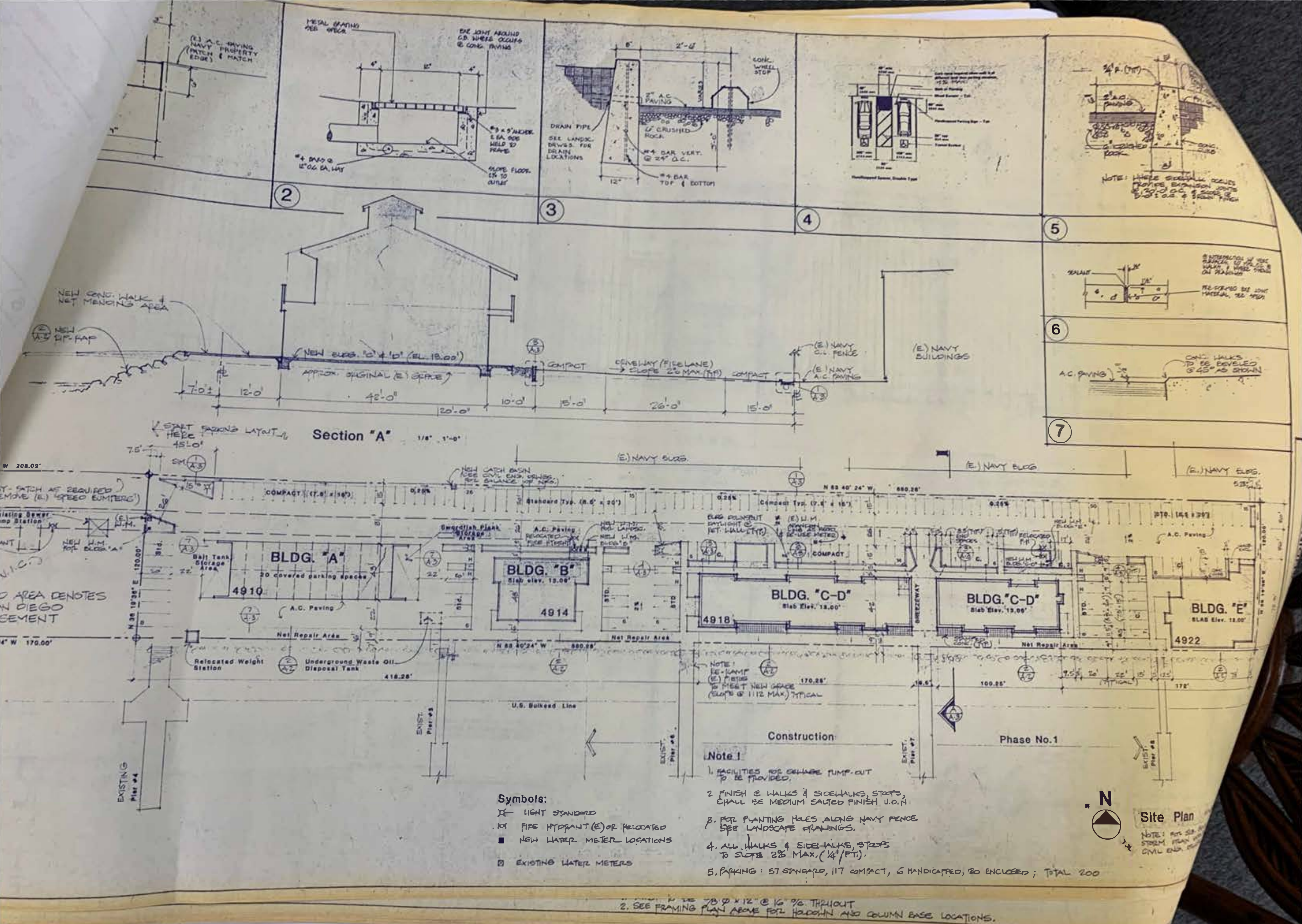
VIOLATION DESCRIPTION

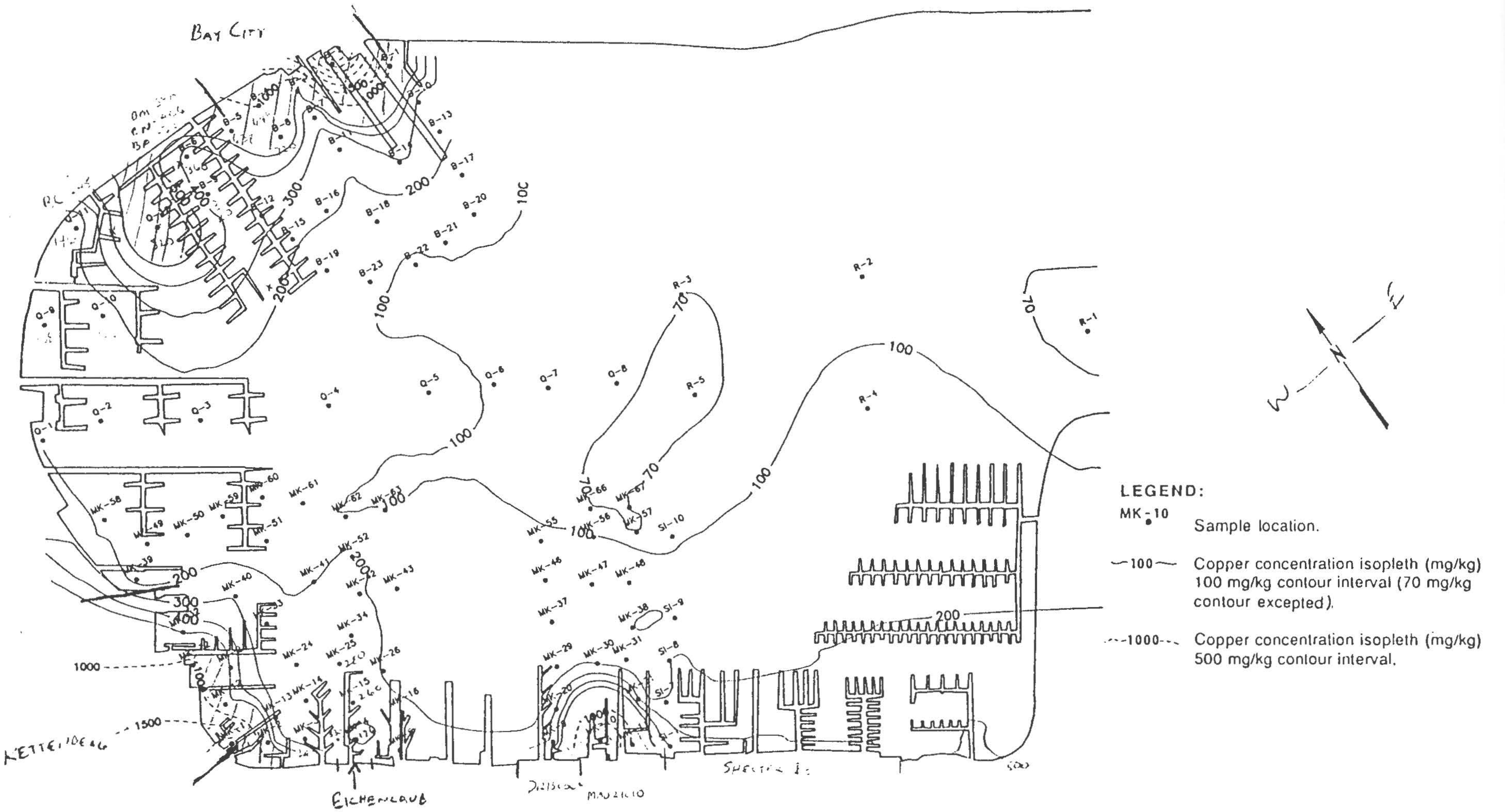
- [ ] 3010004 Failed to obtain a California ID Number from DTSC or federal ID Number from USEPA prior to accumulating 5,000 kgs or more of Universal Waste. 22 CCR 66273.32(a-b)
- [ ] HMD0151 Failed to maintain universal waste handler training records for 3 years. 22 CCR 66273.36(c),(d)
- [ ] 3020003 Failed to properly train handlers of universal waste in universal waste management and response procedures. 22 CCR 66273.36(a),(b)
- [ ] 3030008 Failed to properly label or mark Universal Waste container, package, or pallet (excluding CESQUWG) 22 CCR 66273.34
- [ ] 3030011 Failed to properly dispose of Universal Waste within one year. 22 CCR 66273.35(a) &/or (b)
- [ ] HMD0147 Failed to keep records of offsite Universal Waste shipment(s) available for inspection for 3 years. 22 CCR 66273.39(c),(d)(2)
- [ ] 3030051 Failed to meet accumulation, labeling, marking, &/or containment standards for Universal Waste aerosol containers. HSC 25201.16(f)
- [ ] 3040004 Failed to manage universal waste in a manner to prevent release(s) to the environment. 22 CCR 66273.33; 66273.33.5
- [ ] HMD0307 Disposal of universal waste (UW) to an unauthorized point. HSC 25189.5(a); 22 CCR 66273.31(a), 66273.8(b)
- [ ] 3010005 Failure of a universal handler of electronic devices or CRTs from an offsite source to notify DTSC 30 days prior to acceptance. 22 CCR 66273.32(c)
- [ ] 3010020 Failure of a universal waste handler to submit an annual report that includes all required information to DTSC by February 1 of every year . 22 CCR 66273.32(d)
- [ ] 3010006 Failure of the universal waste handler who sends electronic devices or CRTs to any foreign destination to notify DTSC 60 days prior to export and send a copy to the CUPA. 22 CCR 66273.40(a)(3)

CERTIFIED APPLIANCE RECYCLER REQUIREMENTS

VIOLATION DESCRIPTION

- [ ] 3010033 Failure to obtain Certified Appliance Recycler certification (CAR) from DTSC. HSC 25211.4
- [ ] 3010034 Failure of certified appliance recycler (CAR) to provide documentation that all materials that require special handling (MRSH) have been properly removed and managed. HSC 25211.2, 25211.3
- [ ] 3030055 Failure of certified appliance recycler (CAR) to properly remove and dispose of all materials that require special handling (MRSH). HSC 25211.3, 25212 (a), (b), and/or (c)


Section "A"
BLDG. "A"
20 covered parking spaces
4910
BLDG. "B"
4914
BLDG. "C-D"
4918
BLDG. "C-D"
BLDG. "E"
4922
(E) NAVY BLDG.
Net Repair Area
Relocated Weight Station
Underground Waste Oil Disposal Tank
U.S. Bulkead Line
Construction
Phase No.1
Site Plan
Symbols:
LIGHT STANDARD
FIRE HYDRANT (E) OR RELOCATED
NEW WATER METER LOCATIONS
EXISTING WATER METERS
Note!
1. FACILITIES FOR SEWAGE PUMP-OUT TO BE PROVIDED.
2. FINISH @ WALKS & SIDEWALKS, STOOPS, SHALL BE MEDIUM SALTED FINISH U.O.N.
3. FOR PLANTING HOLES ALONG NAVY FENCE SEE LANDSCAPE DRAWINGS.
4. ALL WALKS & SIDEWALKS, STOOPS TO SLOPE 2% MAX. (1/4"/FT.)
5. PARKING: 57 STANDARD, 117 COMPACT, 6 HANDICAPPED, 20 ENCLOSED; TOTAL 200
2. SEE FRAMING PLAN ABOVE FOR HOLDOWN AND COLUMN BASE LOCATIONS.

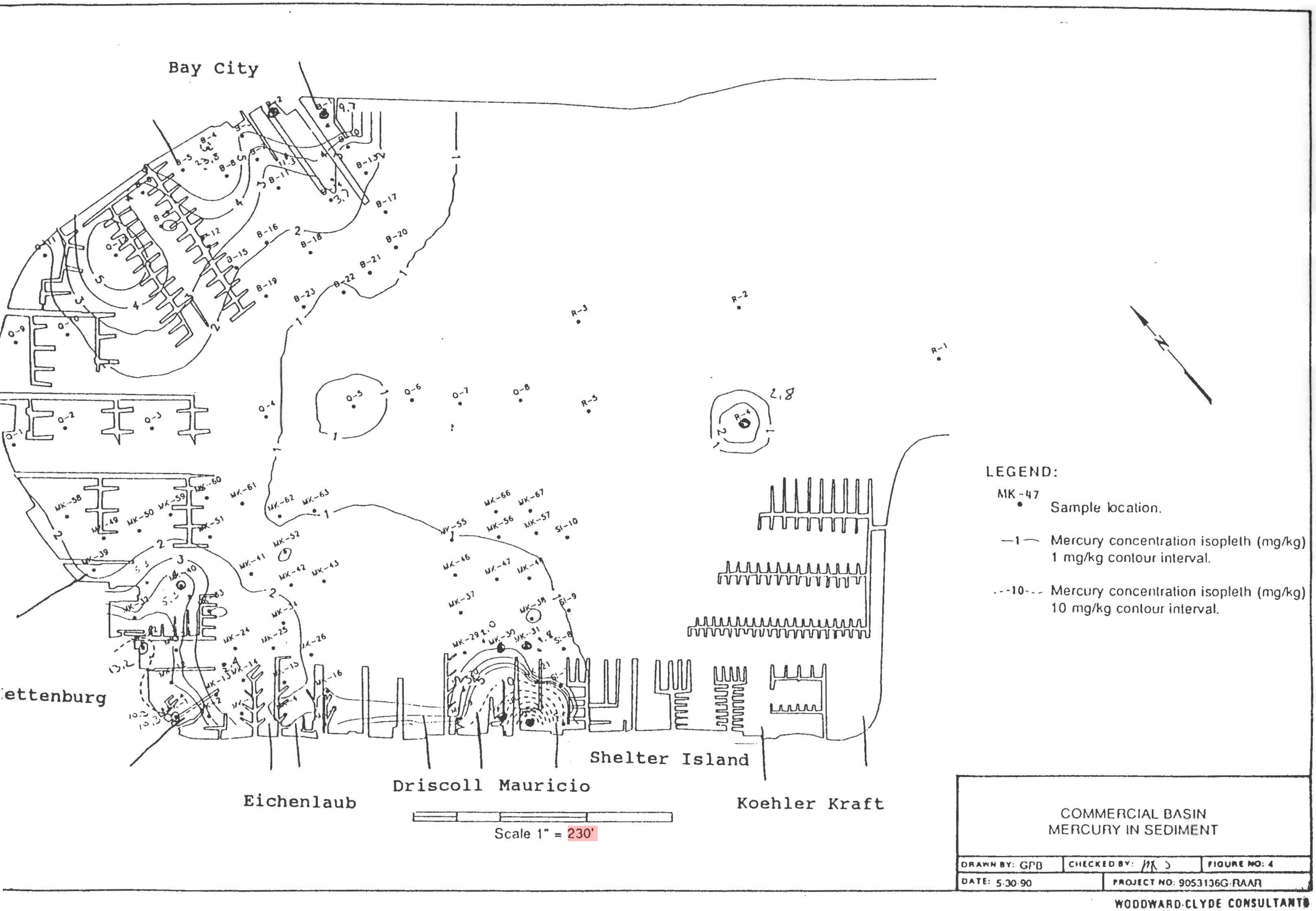


Scale 1" = 230'

COMMERCIAL BASIN
COPPER IN SEDIMENT

DRAWN BY: GPB	CHECKED BY: MK	FIGURE NO: 3
DATE: 5-30-90	PROJECT NO: 9053136G-RAAR	

WOODWARD-CLYDE CONSULTANTS



Bay City
Eichenlaub
Driscoll
Mauricio
Shelter Island
Koehler Kraft
Scale 1" = 230'
N
LEGEND:
MK-47
Sample location.
—1— Mercury concentration isopleth (mg/kg)
1 mg/kg contour interval.
- - -10- - - Mercury concentration isopleth (mg/kg)
10 mg/kg contour interval.
COMMERCIAL BASIN
MERCURY IN SEDIMENT
DRAWN BY: GPB
CHECKED BY:
FIGURE NO: 4
DATE: 5-30-90
PROJECT NO: 9053136G-RAAR
WOODWARD-CLYDE CONSULTANTS

AC - Ken

4/8 2:30

KEN — F.Y.I. HERE'S A COPY FOR ANY NOTES YOU MIGHT WANT TO INCLUDE IN THE OFFICIAL RESPONSE.

KA

JNE & ASSOCIATES, INC.
ENVIRONMENTAL CONSULTING

30 March 1993

Mr. Allen Haynie
Latham & Watkins
701 B St.
San Diego, Ca 92101

SAMPLING PLAN FOR DETERMINING SUITABILITY OF COMMERCIAL BASIN SEDIMENTS FOR UPLAND DISPOSAL

Dear Mr. Haynie,

Clean-Up and Abatement Order Nos. 88-78, 88-79, 88-86, and 89-31 require clean-up of sediments within leasehold regions of the Commercial Basin to levels of 530 mg/kg - dry weight copper and 4.8 mg/kg - dry weight mercury (Figure 1). Affected sediment extends to a depth of approximately three feet at Mauricio & Sons, two feet at Kettenburg Marine and Driscoll Custom Boats, and four feet at Bay City Marine. The cleanup action is proposed to be accomplished by dredging to remove the affected sediment. The dredge permit application will request an additional two-foot overdredge allowance at all sites. It is anticipated the proposed dredging operation will consist of mechanical clam shell dredging and depositing the material onto a barge. The barge will transport the dredged materials to a shore facility for disposal at an appropriate upland site.

As a result of the anticipated process, the entire soil column within the dredged mass will be thoroughly mixed. To provide an accurate characterization of the soils in this condition, samples will be collected from the affected areas and mixed together. Figures two through four indicate the approximate location of core samples within each leasehold. Two core samples will be collected from each leasehold and combined into one analytical sample per leasehold.

The composite sediment samples will be analyzed for hazardous waste substances as defined by California Code of Regulations, Title 22, Section 662619.24. Previous testing of sediments from the affected areas indicates that metals are the only substances of concern. Volatile organic compounds were not detected. One PCB (Aroclor 1254) was found in trace amounts. Since dioxin is historically not a problem in the San Diego Bay region and local laboratories can not provide dioxin analysis, we will not test for the presence of dioxin.

2608 SHELTER ISLAND DRIVE — SUITE 200 — SAN DIEGO, CA 92106
TELEPHONE (619) 222-0016 — FACSIMILE (619) 222-5736

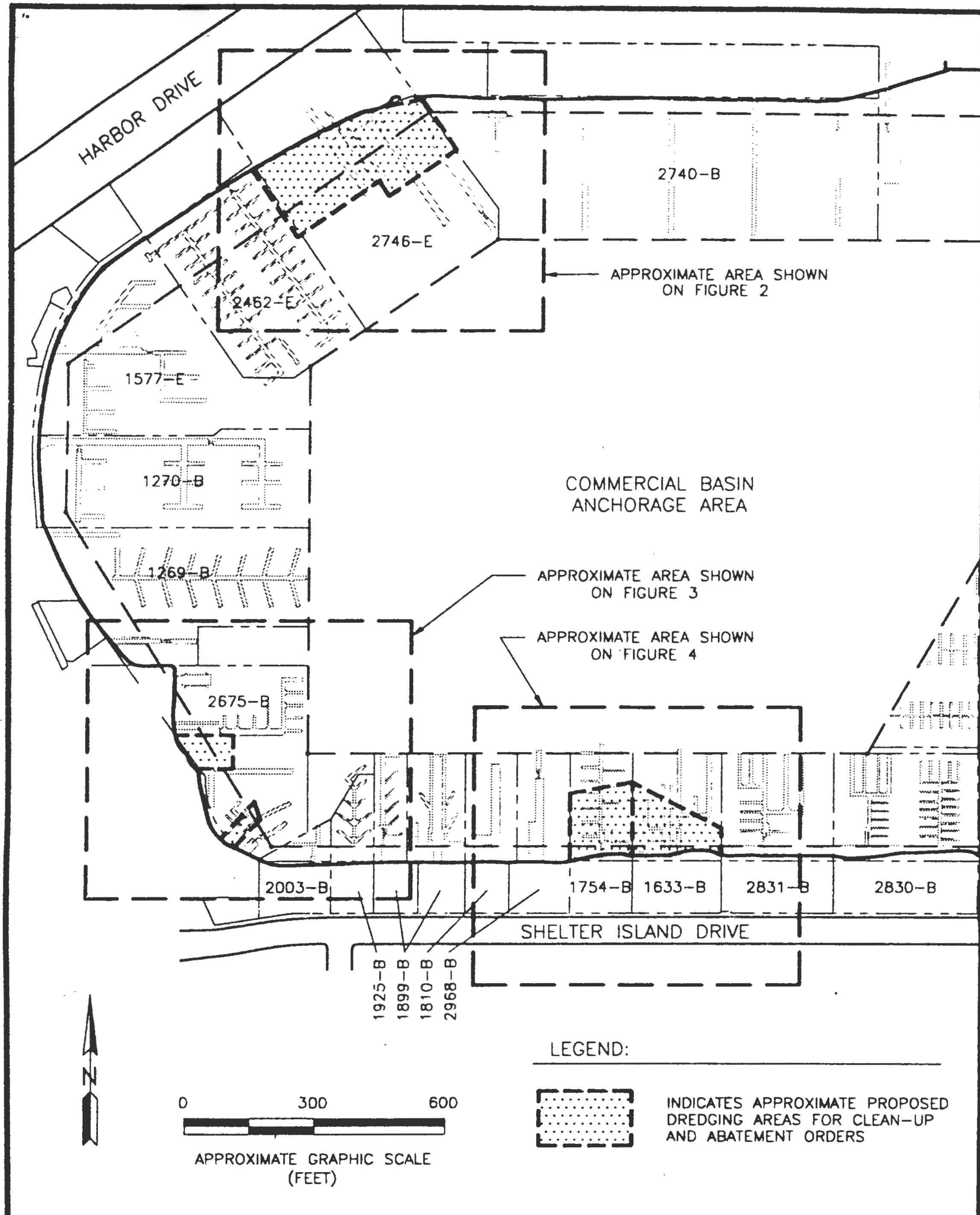
In addition to the above described testing, Greenfield Environmental is investigating the feasibility of physically separating the sand from the metal-bearing particles. If physical separation is feasible the volume of metal contaminated material would be reduced. Disposal options for the separated material would be determined after material characterization.

Costs for the proposed sampling program are attached. The cost for obtaining eight vibracore samples assumes that the work can be done immediately after the sampling team completes a current project. It is anticipated sampling will be performed either April 2 or 3. If sampling can not be done then the field work cost must be renegotiated.

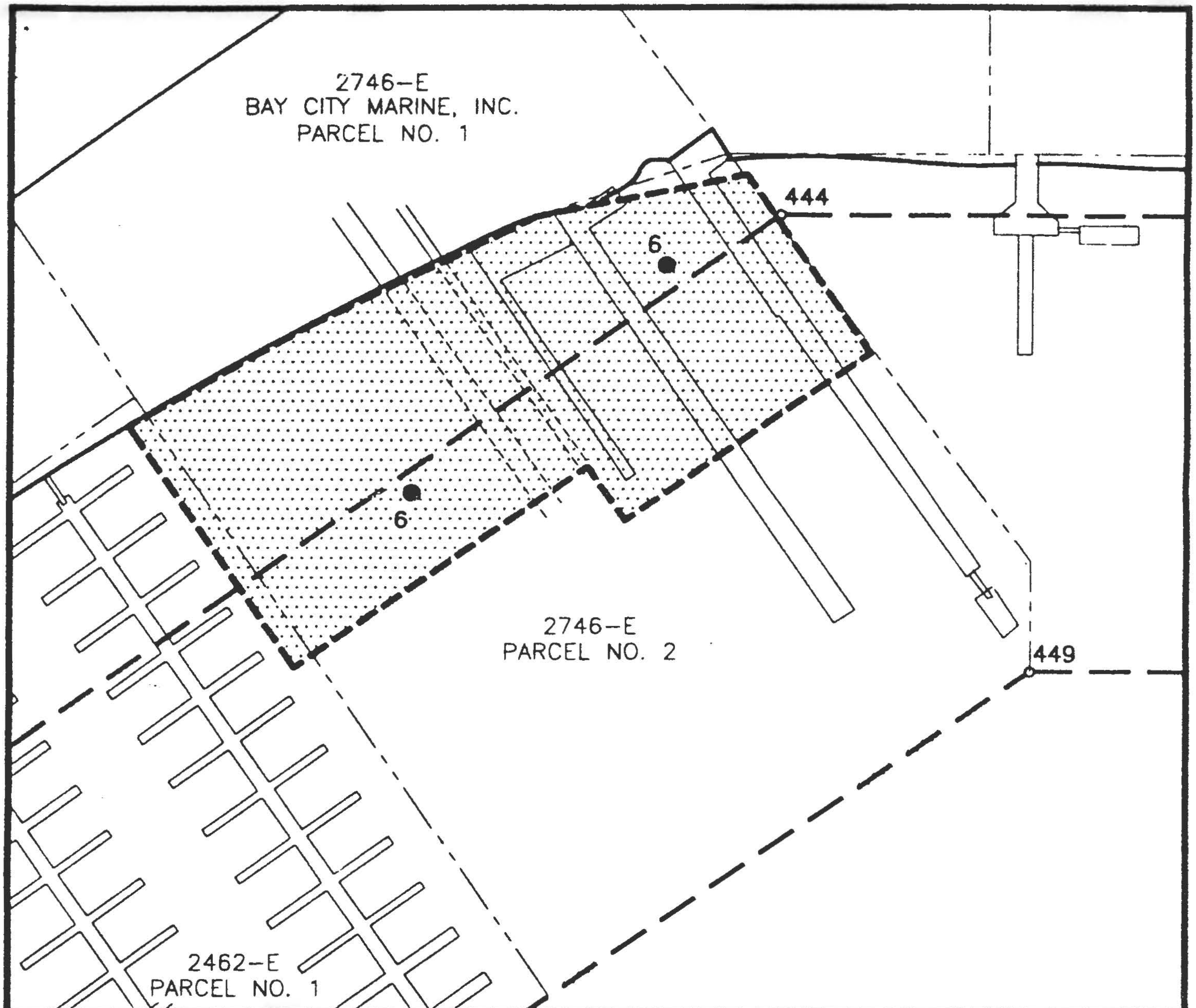
If you have any questions please do not hesitate to call me at (619) 222-0016.

Cordially,

Jean A. Nichols, Ph.D.



JNE & Associates **Environmental Consulting** 2806 SHELTER ISLAND DRIVE, SUITE 200 SAN DIEGO, CALIFORNIA 92106	**SITE PLAN** **COMMERCIAL BASIN**	FIGURE **1**
CHECKED BY: [signature] FN: BASIN2(1)		
PROJECT NO. 93015 DATE: 3/29/93		



LEGEND:

INDICATES APPROXIMATE PROPOSED DREDGING AREAS FOR CLEAN-UP AND ABATEMENT ORDERS

●6 INDICATES APPROXIMATE LOCATION OF CORE SAMPLE FOR UPLAND DISPOSAL TESTING (NUMBER INDICATES DEPTH OF CORE IN FEET (INCLUDES 2-FOOT OVERDREDGE))

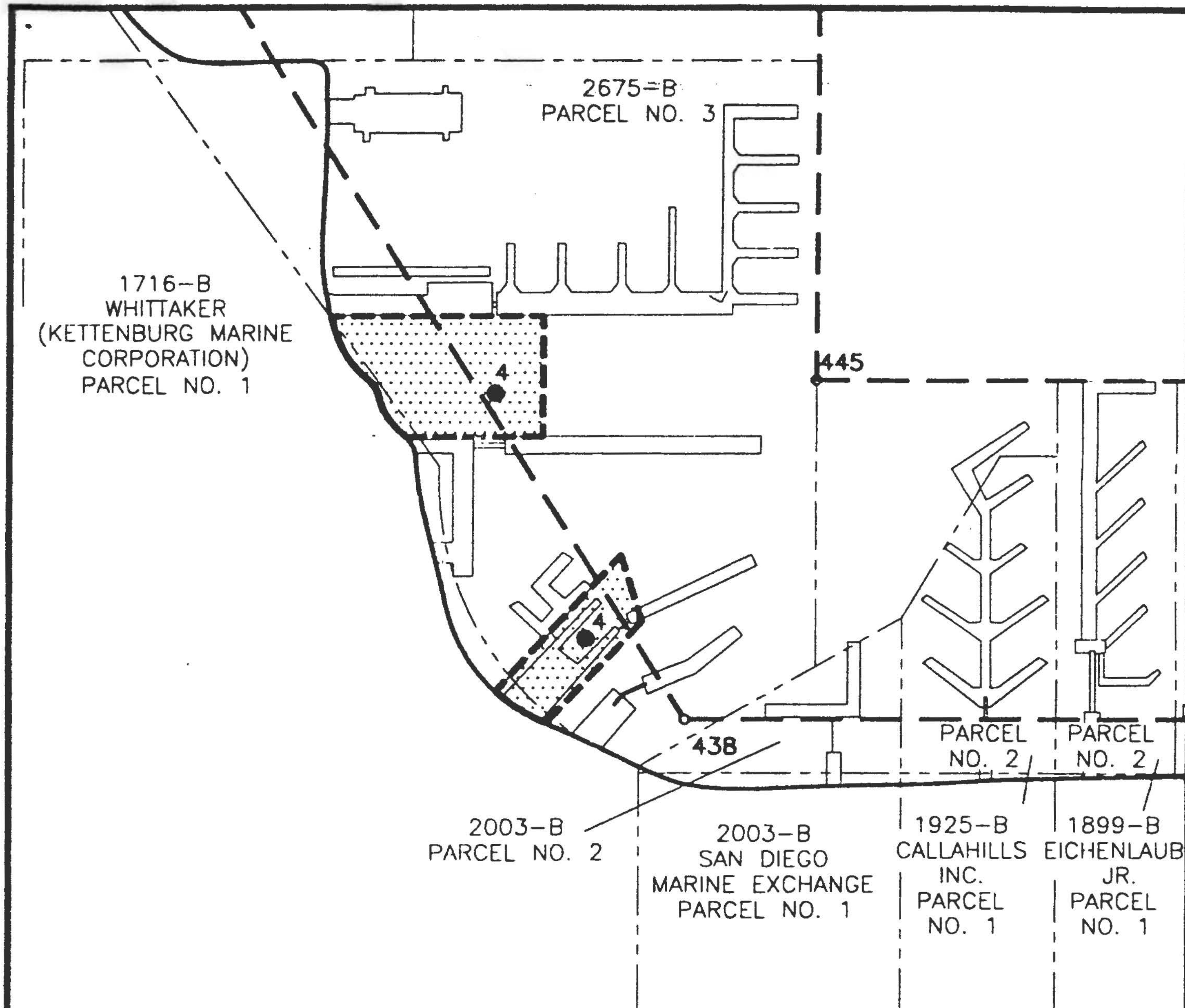
INDICATES U.S. PIERHEAD LINE

N

0 100 200

APPROXIMATE GRAPHIC SCALE (FEET)

JNE & Associates **Environmental Consulting** 2806 SHELTER ISLAND DRIVE, SUITE 200 SAN DIEGO, CALIFORNIA 92106		**PROPOSED SAMPLING LOCATIONS** **BAY CITY MARINE** **COMMERCIAL BASIN**	FIGURE **2**
CHECKED BY:	FN: BASIN2(2)		
PROJECT NO. 93015	DATE: 3/29/93		



LEGEND:

INDICATES APPROXIMATE PROPOSED DREDGING AREAS FOR CLEAN-UP AND ABATEMENT ORDERS

●4 INDICATES APPROXIMATE LOCATION OF CORE SAMPLE FOR UPLAND DISPOSAL TESTING (NUMBER INDICATES DEPTH OF CORE IN FEET (INCLUDES 2-FOOT OVERDREDGE))

INDICATES U.S. PIERHEAD LINE

N

0 100 200

APPROXIMATE GRAPHIC SCALE (FEET)

JNE & Associates
Environmental Consulting
2806 SHELTER ISLAND DRIVE, SUITE 200
SAN DIEGO, CALIFORNIA 92106

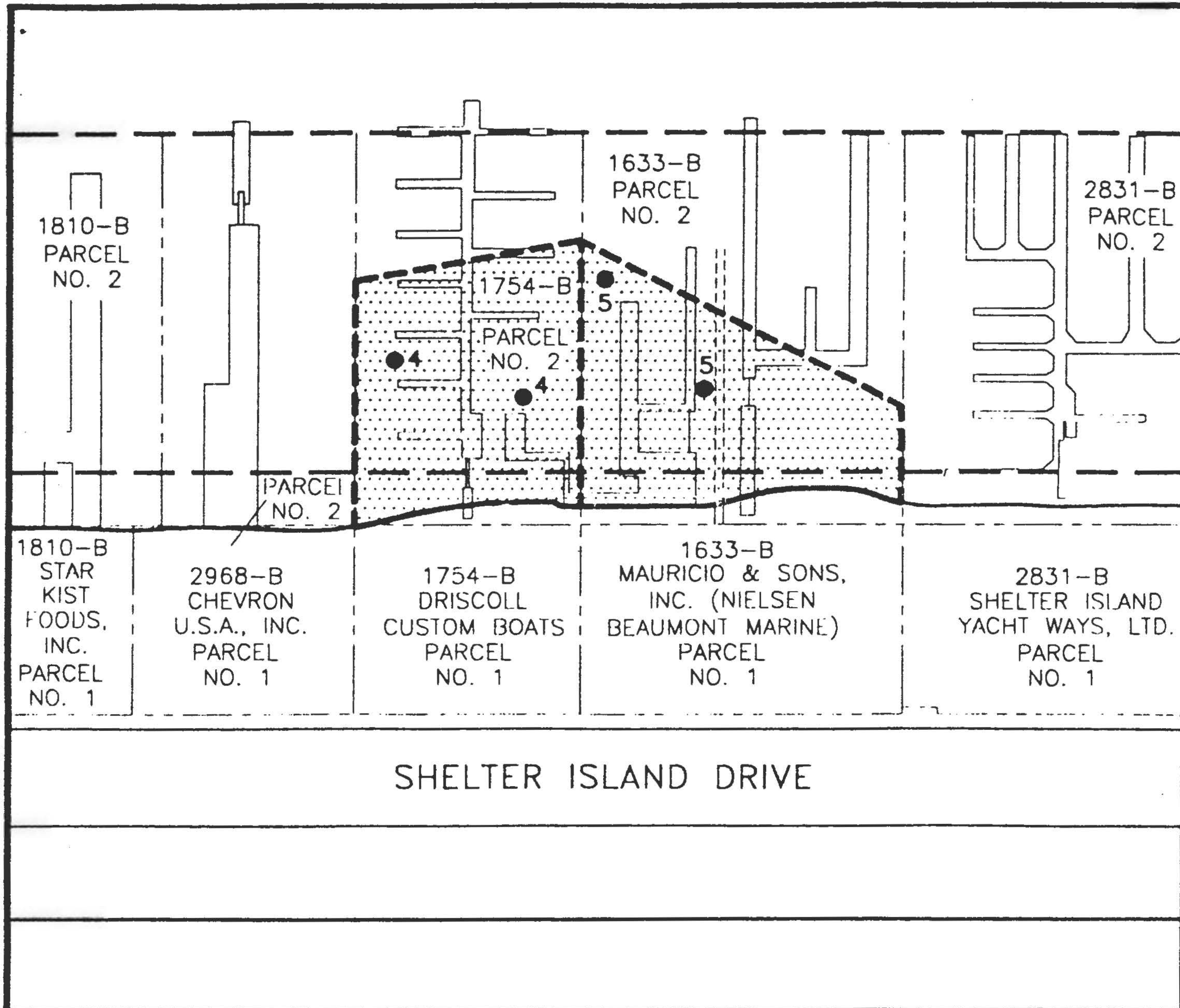
CHECKED BY:	FN: BASIN2(3)
PROJECT NO. 93015	DATE: 3/29/93

PROPOSED SAMPLING LOCATIONS
KETTENBURG MARINE

COMMERCIAL BASIN

FIGURE

3



LEGEND:

INDICATES APPROXIMATE PROPOSED DREDGING AREAS FOR CLEAN–UP AND ABATEMENT ORDERS

4 INDICATES APPROXIMATE LOCATION OF CORE SAMPLE FOR UPLAND DISPOSAL TESTING (NUMBER INDICATES DEPTH OF CORE IN FEET (INCLUDES 2–FOOT OVERDREDGE))

INDICATES U.S. PIERHEAD LINE

N

0 100 200

APPROXIMATE GRAPHIC SCALE (FEET)

JNE & Associates
Environmental Consulting
2806 SHELTER ISLAND DRIVE, SUITE 200
SAN DIEGO, CALIFORNIA 92106

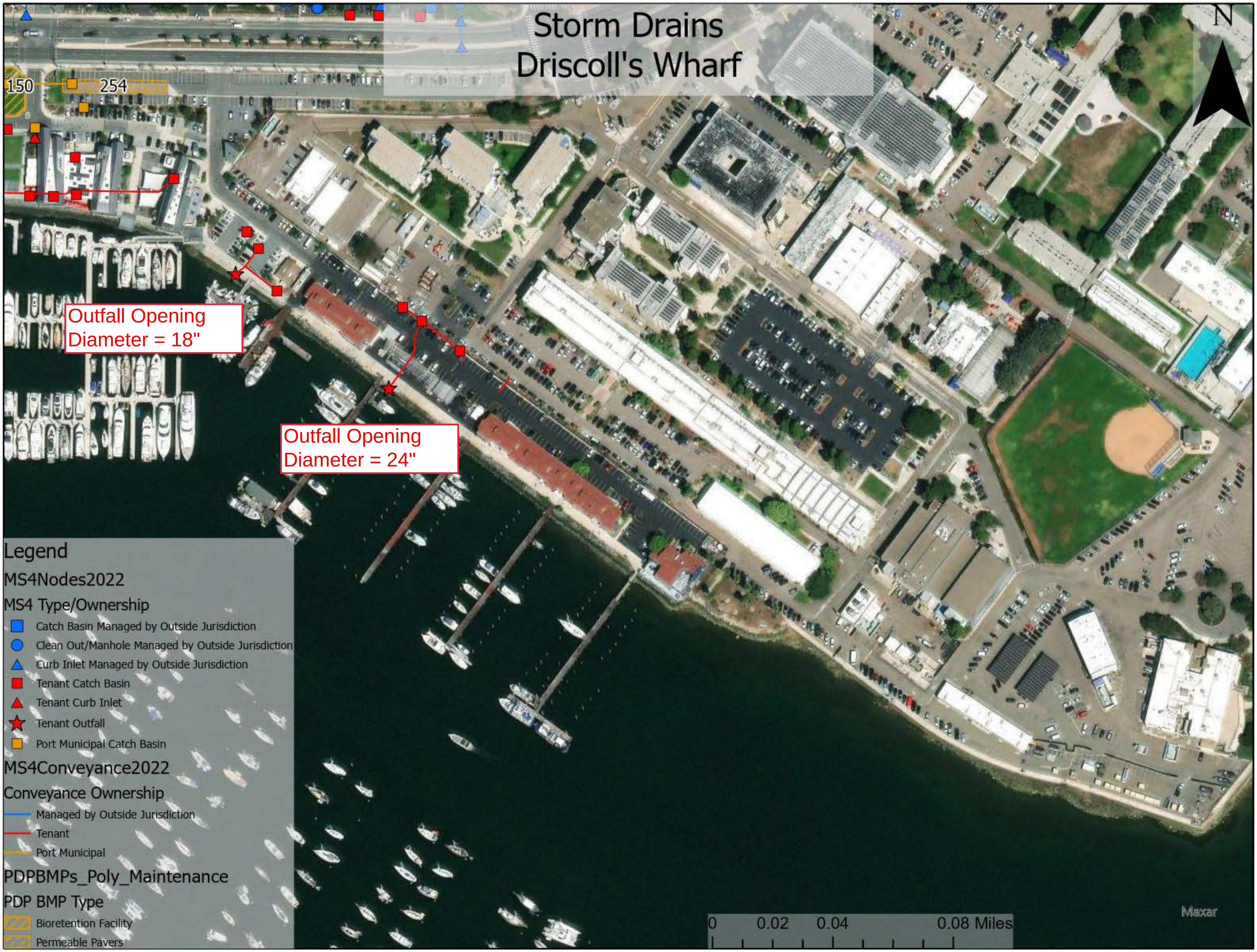
CHECKED BY:	FN: BASIN2(4)
PROJECT NO. 93015	DATE: 3/29/93

PROPOSED SAMPLING LOCATIONS DRISCOLL CUSTOM BOATS AND MAURICIO & SONS, INC.

COMMERCIAL BASIN

FIGURE

4


Storm Drains
Driscoll's Wharf
N
150
254
Outfall Opening
Diameter = 18"
Outfall Opening
Diameter = 24"
Legend
MS4Nodes2022
MS4 Type/Ownership
Catch Basin Managed by Outside Jurisdiction
Clean Out/Manhole Managed by Outside Jurisdiction
Curb Inlet Managed by Outside Jurisdiction
Tenant Catch Basin
Tenant Curb Inlet
Tenant Outfall
Port Municipal Catch Basin
MS4Conveyance2022
Conveyance Ownership
Managed by Outside Jurisdiction
Tenant
Port Municipal
PDPBMPs_Poly_Maintenance
PDP BMP Type
Bioretention Facility
Permeable Pavers
0 0.02 0.04 0.08 Miles
Maxar

APPENDIX D
HISTORICAL RESEARCH DOCUMENTATION

North Harbor Drive

4900 North Harbor Drive

San Diego, CA 92106

Inquiry Number: 7007244.8

June 06, 2022

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

06/06/22

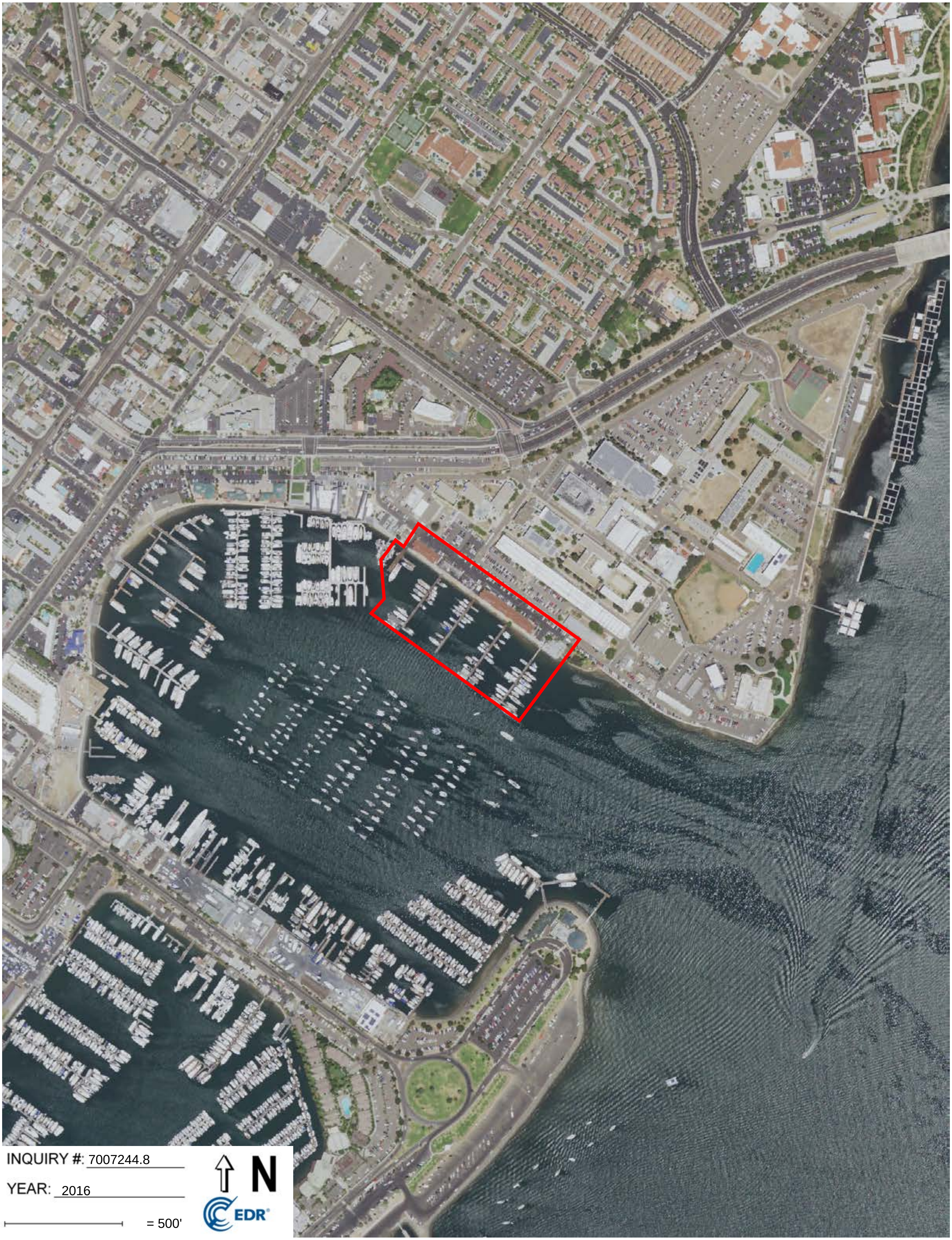
Site Name:	**Client Name:**
North Harbor Drive	Kleinfelder, Inc.
4900 North Harbor Drive	770 First Avenue, Suite 400
San Diego, CA 92106	San Diego, CA 92101
EDR Inquiry # 7007244.8	Contact: Jake Lippman

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2002	1"=500'	Acquisition Date: January 01, 2002	USGS/DOQQ
1997	1"=500'	Acquisition Date: October 16, 1997	USGS/DOQQ
1994	1"=500'	Acquisition Date: January 01, 1994	USGS/DOQQ
1990	1"=500'	Flight Date: September 06, 1990	USDA
1985	1"=500'	Flight Date: February 24, 1985	USDA
1979	1"=500'	Flight Date: January 27, 1979	EDR Proprietary Landiscor
1970	1"=500'	Flight Date: March 06, 1970	EDR Proprietary Landiscor
1966	1"=500'	Flight Date: April 21, 1966	USGS
1964	1"=500'	Flight Date: April 07, 1964	USDA
1953	1"=500'	Flight Date: April 14, 1953	USDA
1949	1"=500'	Flight Date: February 16, 1949	USDA
1928	1"=500'	Flight Date: November 01, 1928	EDR Proprietary Landiscor

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.


INQUIRY #: 7007244.8
YEAR: 2016
= 500'
N
EDR

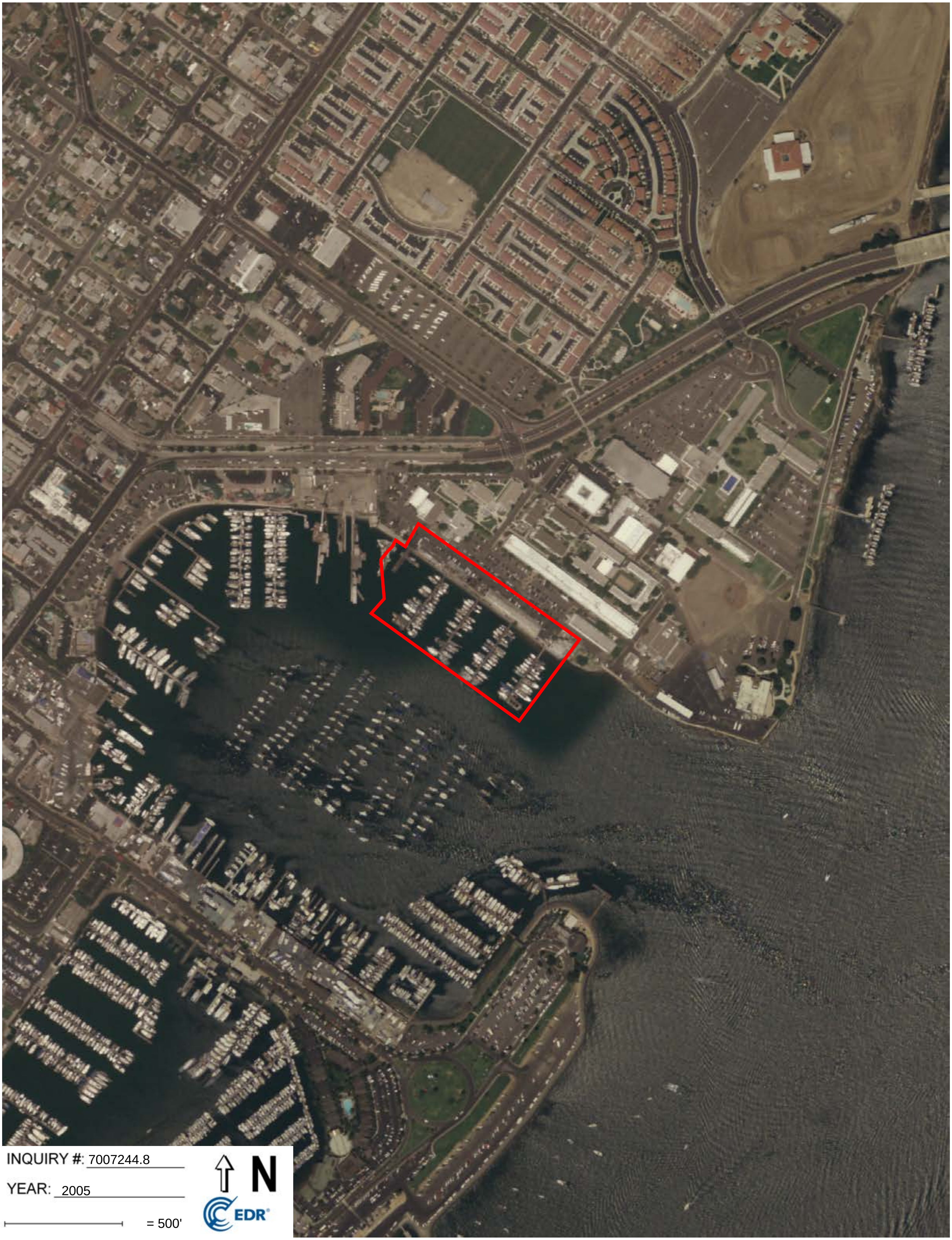

INQUIRY #: 7007244.8
YEAR: 2012
= 500'
N
EDR

INQUIRY #: 7007244.8

YEAR: 2009

= 500'

N



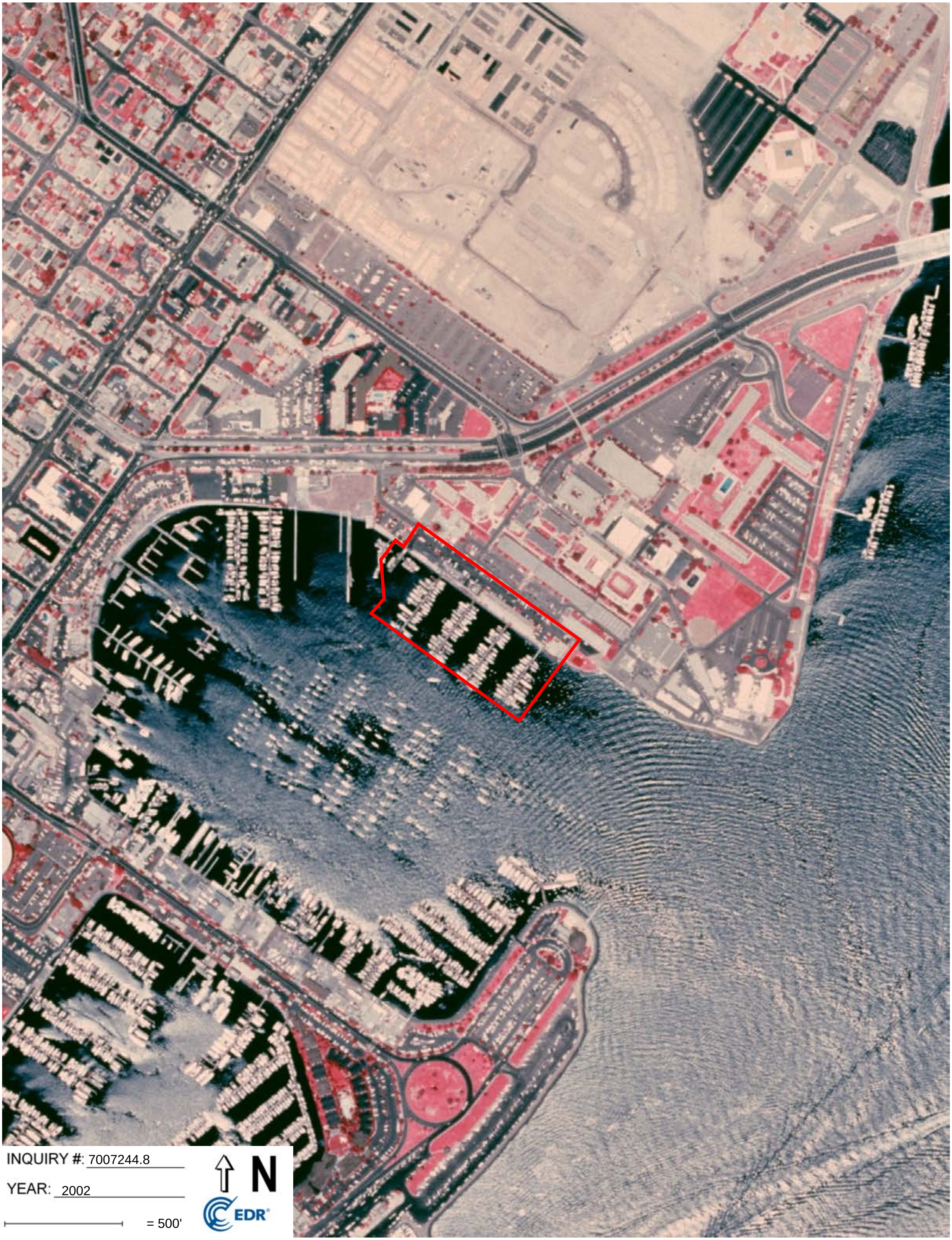
INQUIRY #: 7007244.8

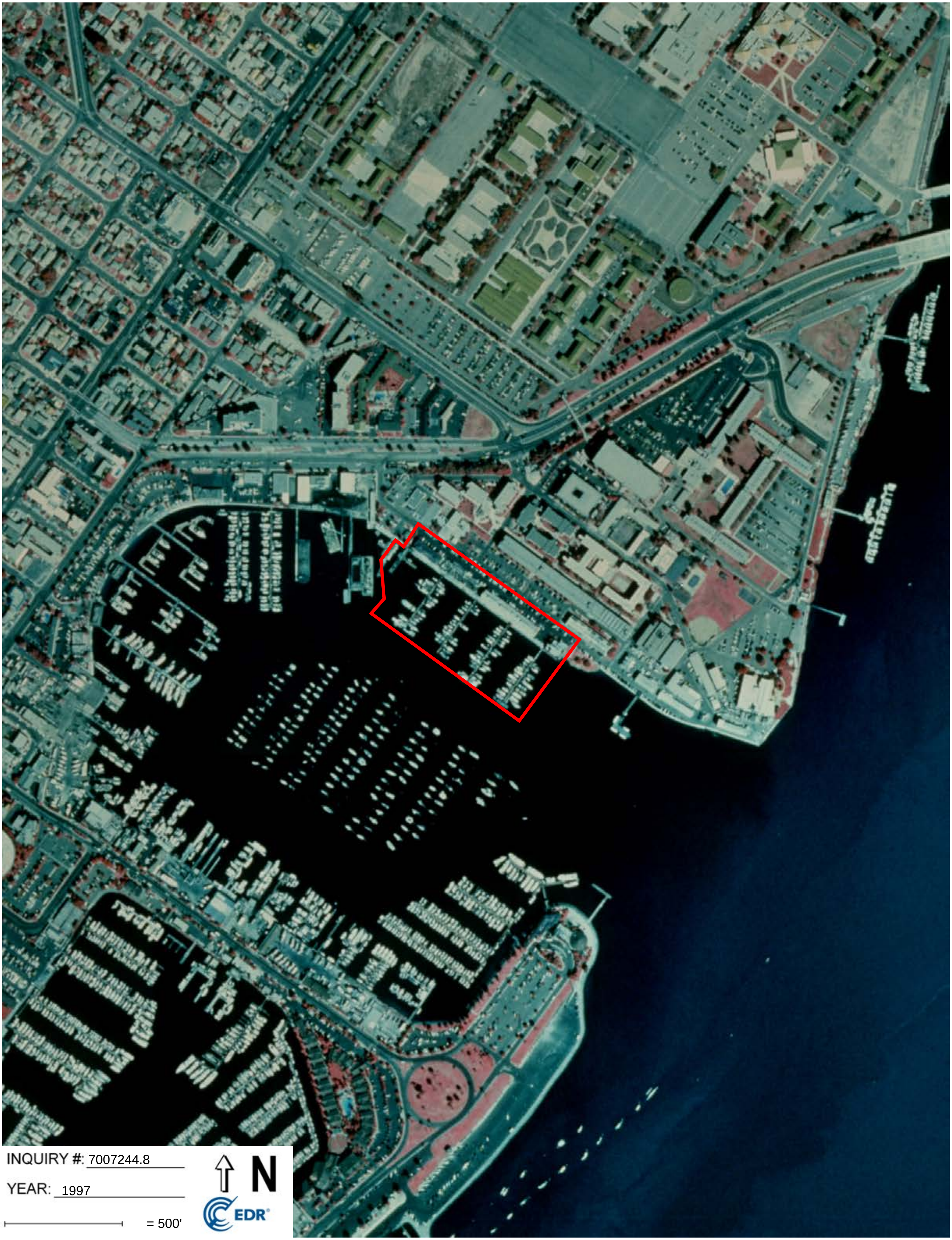
YEAR: 2005

= 500'

N

EDR


INQUIRY #: 7007244.8
YEAR: 2002
= 500'
N
EDR



INQUIRY #: 7007244.8

YEAR: 1997

= 500'

N

EDR

INQUIRY #: 7007244.8

YEAR: 1994

= 500'

N

EDR

INQUIRY #: 7007244.8

YEAR: 1990

= 500'

N

INQUIRY #: 7007244.8

YEAR: 1985

= 500'

N


INQUIRY #: 7007244.8
YEAR: 1979
= 500'
N
EDR

INQUIRY #: 7007244.8

YEAR: 1970

= 500'

N

INQUIRY #: 7007244.8
YEAR: 1966
= 500'
N
EDR

INQUIRY #: 7007244.8

YEAR: 1964

= 500'

N

EDR

INQUIRY #: 7007244.8

YEAR: 1953

= 500'

N

EDR

INQUIRY #: 7007244.8

YEAR: 1949

= 500'

N

EDR

INQUIRY #: 7007244.8

YEAR: 1928

= 500'

N

EDR

North Harbor Drive
4900 North Harbor Drive
San Diego, CA 92106

Inquiry Number: 7007244.5
June 07, 2022

The EDR-City Directory Abstract

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1903 through 2017. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer. Reproduction of City Directories without permission of the publisher or licensed vendor may be a violation of copyright.

Data by

infoUSA®

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	***Source***	***TP***	***Adjoining***	***Text Abstract***	***Source Image***
2017	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
2014	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
2009	Cole Information Services	X	X	X	-
2006	Haines Company, Inc.	-	X	X	-
	Haines Company, Inc.	X	X	X	-
2004	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
2000	Haines & Company	-	X	X	X

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
2000	Haines & Company	X	X	X	X
1999	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
1995	PACIFIC BELL WHITE PAGES	-	X	X	-
1994	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
1992	PACIFIC BELL WHITE PAGES	-	X	X	-
	PACIFIC BELL WHITE PAGES	X	X	X	-
1991	PACIFIC BELL WHITE PAGES	-	-	-	-
1989	Cole Information Services	-	X	X	-
	Pacific Bell	-	X	X	-
1985	PACIFIC BELL WHITE PAGES	-	X	X	-
1984	R. L. Polk & Co.	-	X	X	X
	R. L. Polk & Co.	X	X	X	X
1980	R. L. Polk & Co.	-	X	X	X
	R. L. Polk & Co.	X	X	X	X
1976	Luskey Brothers & Co., Inc.	-	-	-	-
1975	R. L. Polk & Co.	-	X	X	X
	R. L. Polk & Co.	X	X	X	X
1971	Community Directory Co.	-	-	-	-
1970	John M. Ducy	-	X	X	-
	John M. Ducy	X	X	X	-
1966	R. L. Polk & Co.	-	X	X	X
	R. L. Polk & Co.	X	X	X	X
1965	Luskey Brothers Co., Inc.	-	-	-	-
1962	Community Directory Co.	-	-	-	-
1961	R. L. Polk & Co.	-	X	X	X
	R. L. Polk & Co.	X	X	X	X
1960	The Pacific Telephone Telegraph Co.	-	X	X	-
	The Pacific Telephone Telegraph Co.	X	X	X	-
1956	R. L. Polk & Co.	-	-	-	-
1955	R. L. Polk & Co.	-	X	X	-
	R. L. Polk & Co.	X	X	X	-
1952	R. L. Polk & Co. of California	-	X	X	X
1950	The Pacific Telephone & Telegraph Co.	-	-	-	-
1948	San Diego Directory Co.	-	X	X	X
1945	San Diego Directory Co.	-	X	X	-
1943	San Diego Directory Co.	-	X	X	X

EXECUTIVE SUMMARY

Year	*Source*	*TP*	*Adjoining*	*Text Abstract*	*Source Image*
1940	San Diego Directory Co.	-	-	-	-
1938	San Diego Directory Co.	-	X	X	X
1933	San Diego Directory Co.	-	X	X	X
1927	San Diego Directory Co.	-	X	X	X
1921	San Diego Directory Co. Inc.	-	-	-	-
1907	San Diego Directory Co.	-	-	-	-
1903	San Diego Directory Co.	-	-	-	-

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer. Reproduction of City Directories without permission of the publisher or licensed vendor may be a violation of copyright.

Data by
infoUSA®

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	***Type***	***Findings***
4930 North Harbor Drive	Client Entered	
4904 North Harbor Drive	Client Entered	X
4918 North Harbor Drive	Client Entered	X
4922 North Harbor Drive	Client Entered	X

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

4900 North Harbor Drive
San Diego, CA 92106

FINDINGS DETAIL

Target Property research detail.

HARBOR DR

4904 HARBOR DR

Year	Uses	Source
1960	S D Coml Fishing Boat Ow ners Inc	The Pacific Telephone Telegraph Co.
1955	S D Coml Fishing Boat Ow ners Inc	R. L. Polk & Co.

HARBOR DR N

4904 HARBOR DR N

Year	Uses	Source	
1984	Galletti Brothers Food fish unloading sta	R. L. Polk & Co.	Image pg. A6
	L & W Communication Co supplies sls serv & repr	R. L. Polk & Co.	Image pg. A6
	San Diego Commercial Marina Stge Yd	R. L. Polk & Co.	Image pg. A6
	Skelley Steve A	R. L. Polk & Co.	Image pg. A6
1980	L & W Communication Co supplies	R. L. Polk & Co.	Image pg. A11
	San Diego Commercial Marina Stge	R. L. Polk & Co.	Image pg. A11
	sis serv & repr	R. L. Polk & Co.	Image pg. A11
	Skelley Steve A	R. L. Polk & Co.	Image pg. A11
1975	San Diego Commercial Marina boat landing	R. L. Polk & Co.	Image pg. A18
1970	ASSN BOAT LANDING	John M. Ducy	
	BOAT LANDING	John M. Ducy	
	LAPACEK ERNEST	John M. Ducy	
	SAN DIEGO COMMERCIAL MARINA	John M. Ducy	
	WESTERN FISHING BOAT OWNERS	John M. Ducy	
1966	BOAT OWNERS INC BOAT	R. L. Polk & Co.	Image pg. A23
	LANDING	R. L. Polk & Co.	Image pg. A23

FINDINGS

Year	Uses	Source	
1966	LAPACEK ERNEST	R. L. Polk & Co.	Image pg. A23
	SAN DIEGO COMMERCIAL FISHING	R. L. Polk & Co.	Image pg. A23
1961	Lapacek Ernest	R. L. Polk & Co.	Image pg. A28
	SD Coml Fishing Boat Ow ners Inc	R. L. Polk & Co.	Image pg. A28

N HARBOR DR

4900 N HARBOR DR

Year	Uses	Source
2009	DRISCOLL INC	Cole Information Services

4904 N HARBOR DR

Year	Uses	Source
2017	MARC INC	Cole Information Services
2014	AMERICAN COMMUNICATION ENGLISH	Cole Information Services
	AMERICAN SEA FOOD CO	Cole Information Services
	GLOBAL CHEMICAL	Cole Information Services
	MARC INC	Cole Information Services
	SHUMAKER T A JR AIA	Cole Information Services
	T SHUMAKER	Cole Information Services
2009	AMERICAN COMMUNICATION ENGLISH	Cole Information Services
	AMERICAN SEA FOOD CO INC	Cole Information Services
	DRISCOLL YACHT & SHIP BROKERAGE	Cole Information Services
	T A SHUMAKER JR AIA	Cole Information Services
2006	AMER	Haines Company, Inc.
	AMER SEA OOD CO	Haines Company, Inc.
	COMMUNICATION	Haines Company, Inc.
	ENGLISH	Haines Company, Inc.
	ENGLISH AMER	Haines Company, Inc.
	SHUMAKERTAJR	Haines Company, Inc.
2004	AMERICAN SEA FOOD CO	Cole Information Services
	DON GILBERT	Cole Information Services
	GLOBAL AMERICAN LNGG INSTTT	Cole Information Services
	MARITECH OCEAN RANCHING	Cole Information Services

FINDINGS

Year	Uses	Source	
2004	MITCH HOBRON	Cole Information Services	
	PCFC YACHT EMBRDRY & IMPRNTBL	Cole Information Services	
	RONALD YOUNG	Cole Information Services	
2000	ACTION SIX PACK	Haines & Company	Image pg. A1
	AMERSEAFOODCO	Haines & Company	Image pg. A1
	CENTER FOR	Haines & Company	Image pg. A1
	CHARTERS	Haines & Company	Image pg. A1
	DRISCOLLS WHARF	Haines & Company	Image pg. A1
	EMBROIDERY&IMPRNTBLE	Haines & Company	Image pg. A1
	GILBERT Don	Haines & Company	Image pg. A1
	GLOBAL AMERICAN	Haines & Company	Image pg. A1
	HOBRONMitch A	Haines & Company	Image pg. A1
	LANGUAGE INST	Haines & Company	Image pg. A1
	MARITECHINC	Haines & Company	Image pg. A1
	NAUT A CARE	Haines & Company	Image pg. A1
	PAC YACHT	Haines & Company	Image pg. A1
	PERFORMANCETECH	Haines & Company	Image pg. A1
	YOUNG RONALD N	Haines & Company	Image pg. A1
1999	ACTION SIX PACK CHARTERS	Cole Information Services	
	CENTER FOR PERFORMANCE TECHNOLOGY	Cole Information Services	
	GILBERT DON	Cole Information Services	
	GLOBAL AMERICAN LANGUAGE INSTITUTE	Cole Information Services	
	MANSON CONSTRUCTION	Cole Information Services	
	MARITECH INCORPORATED	Cole Information Services	
	MATSON MARITIME SCHOOL USCG EXAMS	Cole Information Services	
	NAUT A CARE	Cole Information Services	
	PACIFIC YACHT EMBROIDERY & IMPRINTABLES	Cole Information Services	
1994	AMERICAN SEA FOOD CO	Cole Information Services	
	FISHERMANS WHARF FISH MARKET	Cole Information Services	
	GILBERT, DON	Cole Information Services	
	HOBRON, MITCH A	Cole Information Services	
	INTERNATIONAL MARINE SUPPLY	Cole Information Services	

FINDINGS

Year	Uses	Source
1994	K WELTON GENERAL CONTRACTOR	Cole Information Services
1992	American Sea Food Co	PACIFIC BELL WHITE PAGES
	American Search	PACIFIC BELL WHITE PAGES
	Bruce Mc Donald Construction Management	PACIFIC BELL WHITE PAGES
	Bruce Michael & Diessa	PACIFIC BELL WHITE PAGES
	Continental Marine Services	PACIFIC BELL WHITE PAGES
	Fishermans Wharf Fish Market	PACIFIC BELL WHITE PAGES
	Gilbert Don	PACIFIC BELL WHITE PAGES
	Hobron Mitch A	PACIFIC BELL WHITE PAGES
	Hobscheld Mark & Kimberly.	PACIFIC BELL WHITE PAGES
	Hobson B	PACIFIC BELL WHITE PAGES
	Hobson B	PACIFIC BELL WHITE PAGES
	Hobson Bob & Cathy	PACIFIC BELL WHITE PAGES
	Hobson Brad & Carrie	PACIFIC BELL WHITE PAGES
	Hobson C..	PACIFIC BELL WHITE PAGES
	Maritech Inc	PACIFIC BELL WHITE PAGES
	Mc Donald Bruce Construction Management	PACIFIC BELL WHITE PAGES
	obson CW	PACIFIC BELL WHITE PAGES
	Ridder Fred	PACIFIC BELL WHITE PAGES
	Ridderbush David W	PACIFIC BELL WHITE PAGES

4918 N HARBOR DR

Year	Uses	Source
2017	AQUARIUS YACHT SERVICES	Cole Information Services
	BAGGAGE CLAIMERS	Cole Information Services
	BARCLAY MANAGEMENT	Cole Information Services
	BAY PUMP	Cole Information Services
	CELERGY NETWORKS INC	Cole Information Services
	CLERGY NETWORKS	Cole Information Services
	DEL MAR PACIFIC GROUP	Cole Information Services
	FOREVERFIANCES INVITATIONS	Cole Information Services
	INTELLIGENT SOLUTIONS LLC	Cole Information Services
	INTERPAC YACHTS INC	Cole Information Services

FINDINGS

Year	*Uses*	*Source*
2017	SEAPOWER INCORPORATED	Cole Information Services
	TPG PARTNERS INC	Cole Information Services
2014	BAGGAGE CLAIMERS	Cole Information Services
	BARCLAY MANAGEMENT	Cole Information Services
	BAY PUMP	Cole Information Services
	CELERGY NETWORKS INC	Cole Information Services
	CLERGY NETWORKS	Cole Information Services
	COE LAURA DESIGN	Cole Information Services
	DEL MAR PACIFIC GROUP	Cole Information Services
	DEL MAR PACIFIC GROUP LLC	Cole Information Services
	FRNY HOLDINGS INC	Cole Information Services
	HOPE FL ARCHITECTURE & PLANNING	Cole Information Services
	INTERPAC YACHTS INC	Cole Information Services
	PEARL RIVER PACKAGING	Cole Information Services
	SCHLECH PETER	Cole Information Services
	SPORTS ARENAS	Cole Information Services
	TPG PARTNERS INC	Cole Information Services
2009	BAY PUMP	Cole Information Services
	DRISCOLLS MARINA LTD	Cole Information Services
	DRISCOLLS WHARF	Cole Information Services
	INTERPAC YACHTS INC	Cole Information Services
	LAURA COE DESIGN ASSOCIATES	Cole Information Services
	MARITECH OCEAN RANCHING INC	Cole Information Services
2006	6 BUILDING	Haines Company, Inc.
	ALLEN Carol	Haines Company, Inc.
	ASSIST 2 SELL	Haines Company, Inc.
	BANKALUKvI lex R	Haines Company, Inc.
	BASSHAM Laurel	Haines Company, Inc.
	BLOCKER Bermie	Haines Company, Inc.
	BOATSIDE	Haines Company, Inc.
	COE LAURA DESIGN	Haines Company, Inc.
	COZZA Franlr	Haines Company, Inc.

FINDINGS

Year	Uses	Source	
2006	MANAGMENT ROYALFLUSH&	Haines Company, Inc.	
	MCCONNELI George	Haines Company, Inc.	
	NEPTUNE MARINE	Haines Company, Inc.	
	Robert Jr	Haines Company, Inc.	
	SERVICES SCHLECH PETER	Haines Company, Inc.	
	TEAM TADROS	Haines Company, Inc.	
	TRIMBLE Gorden	Haines Company, Inc.	
	YACHT RPR&RFNSH QUANTUM FIISK	Haines Company, Inc.	
2004	CHIEF DENNY	Cole Information Services	
	COZZA DESIGN INC	Cole Information Services	
	D & L SERVICES	Cole Information Services	
	DRISCOLLS WHARF	Cole Information Services	
	LA FEEM	Cole Information Services	
	LAURA COE DESIGN ASSOCS	Cole Information Services	
	NATHAN ROADS MARINE	Cole Information Services	
	SCAMIT	Cole Information Services	
	TEAM TADROS	Cole Information Services	
2000	COE LAURA DESIGN	Haines & Company	Image pg. A1
	COZZA Frank	Haines & Company	Image pg. A1
	DRISCOLL MARINE	Haines & Company	Image pg. A1
	FOAM Dan	Haines & Company	Image pg. A1
	HARRISAr	Haines & Company	Image pg. A1
1999	B LIN GRAPHC DESIGN	Cole Information Services	
	COE LAURA DESIGN	Cole Information Services	
	DRISCOLL MARINE OFFICE	Cole Information Services	
	LOVELL BRIAN B LIN GRPHC DESIGN	Cole Information Services	
	YOUNG RONALD N ARCHT	Cole Information Services	
1994	BENEDICT, GARY	Cole Information Services	
	FISHERMANS VILLAGE	Cole Information Services	
	OLD SAN DIEGO FISHING VILLAGE	Cole Information Services	
1992	B Lin graphc desgn	PACIFIC BELL WHITE PAGES	
	B Lloyd Enterprises jw lry	PACIFIC BELL WHITE PAGES	

Year	Uses	Source	
1992	Benedict Gary	PACIFIC BELL WHITE PAGES	
	Coe Laura Design	PACIFIC BELL WHITE PAGES	
	Lenz Richard	PACIFIC BELL WHITE PAGES	
	Lenz Richard A	PACIFIC BELL WHITE PAGES	
	Lenz Robert & Judy	PACIFIC BELL WHITE PAGES	
	Lenz Robt K	PACIFIC BELL WHITE PAGES	
	Lovell Brian B Lin grphc desgn	PACIFIC BELL WHITE PAGES	
	Old San Diego Fishing Village	PACIFIC BELL WHITE PAGES	
	Old San Diego Plumbing	PACIFIC BELL WHITE PAGES	
	Security Off Shore	PACIFIC BELL WHITE PAGES	

4922 N HARBOR DR

Year	Uses	Source	
2017	SEMANTIC RESEARCH INC	Cole Information Services	
2014	SEMANTIC RESEARCH INC	Cole Information Services	
2009	SEMANTIC RESEARCH INC	Cole Information Services	
	TENELEVEN INC	Cole Information Services	
2004	OCCUPANT UNKNOWN	Cole Information Services	
2000	BLUE CRAB REST THE	Haines & Company	Image pg. A1
	LOGISTECH INC	Haines & Company	Image pg. A1
	MAXCAP ASSOCIATES	Haines & Company	Image pg. A1
1999	BLUE CRAB RESTAURANTS THE	Cole Information Services	
	LOGISTECH INCORPORATED	Cole Information Services	
	MAXCAP ASSOCIATES	Cole Information Services	
1994	BLUE CRAB RESTAURANT	Cole Information Services	
1992	Australian Challenge For The Americas Cup	PACIFIC BELL WHITE PAGES	

N HERBOR DR

4918 N HERBOR DR

Year	Uses	Source
1992	Fshermans Village	PACIFIC BELL WHITE PAGES

FINDINGS

North Harbor Drive

4904 North Harbor Drive

Year	Uses	Source	
2006	AMER	Haines Company, Inc.	
	AMER SEA OOD CO	Haines Company, Inc.	
	COMMUNICATION	Haines Company, Inc.	
	ENGLISH	Haines Company, Inc.	
	ENGLISH AMER	Haines Company, Inc.	
	SHUMAKERTAJR	Haines Company, Inc.	
2000	ACTION SIX PACK	Haines & Company	Image pg. A1
	AMERSEAFOODCO	Haines & Company	Image pg. A1
	CENTER FOR	Haines & Company	Image pg. A1
	CHARTERS	Haines & Company	Image pg. A1
	DRISCOLLS WHARF	Haines & Company	Image pg. A1
	EMBROIDERY&IMPRNTBLE	Haines & Company	Image pg. A1
	GILBERT Don	Haines & Company	Image pg. A1
	GLOBAL AMERICAN	Haines & Company	Image pg. A1
	HOBRONMitch A	Haines & Company	Image pg. A1
	LANGUAGE INST	Haines & Company	Image pg. A1
	MARITECHINC	Haines & Company	Image pg. A1
	NAUT A CARE	Haines & Company	Image pg. A1
	PAC YACHT	Haines & Company	Image pg. A1
	PERFORMANCETECH	Haines & Company	Image pg. A1
	YOUNG RONALD N	Haines & Company	Image pg. A1
1992	American Sea Food Co	PACIFIC BELL WHITE PAGES	
	American Search	PACIFIC BELL WHITE PAGES	
	Bruce Mc Donald Construction Management	PACIFIC BELL WHITE PAGES	
	Bruce Michael & Diessa	PACIFIC BELL WHITE PAGES	
	Continental Marine Services	PACIFIC BELL WHITE PAGES	
	Fishermans Union Of America Pacific & Caribbean Area	PACIFIC BELL WHITE PAGES	
	Fishermans Wharf Fish Market	PACIFIC BELL WHITE PAGES	
	Gilbert Don	PACIFIC BELL WHITE PAGES	

FINDINGS

Year	Uses	Source	
1992	Hobron Mitch A	PACIFIC BELL WHITE PAGES	
	Hobscheld Mark & Kimberly.	PACIFIC BELL WHITE PAGES	
	Hobson B	PACIFIC BELL WHITE PAGES	
	Hobson B	PACIFIC BELL WHITE PAGES	
	Hobson Bob & Cathy	PACIFIC BELL WHITE PAGES	
	Hobson Brad & Carrie	PACIFIC BELL WHITE PAGES	
	Hobson C..	PACIFIC BELL WHITE PAGES	
	Maritech Inc	PACIFIC BELL WHITE PAGES	
	Mc Donald Bruce Construction Management	PACIFIC BELL WHITE PAGES	
	obson CW	PACIFIC BELL WHITE PAGES	
	Ridder Fred	PACIFIC BELL WHITE PAGES	
	Ridderbush David W	PACIFIC BELL WHITE PAGES	
1984	Galletti Brothers Food fish unloading sta	R. L. Polk & Co.	Image pg. A6
	L & W Communication Co supplies sls serv & repr	R. L. Polk & Co.	Image pg. A6
	San Diego Commercial Marina Stge Yd	R. L. Polk & Co.	Image pg. A6
	Skelley Steve A	R. L. Polk & Co.	Image pg. A6
1980	L & W Communication Co supplies	R. L. Polk & Co.	Image pg. A11
	San Diego Commercial Marina Stge	R. L. Polk & Co.	Image pg. A11
	sis serv & repr	R. L. Polk & Co.	Image pg. A11
	Skelley Steve A	R. L. Polk & Co.	Image pg. A11
1975	San Diego Commercial Marina boat landing	R. L. Polk & Co.	Image pg. A18
1970	ASSN BOAT LANDING	John M. Ducy	
	BOAT LANDING	John M. Ducy	
	LAPACEK ERNEST	John M. Ducy	
	SAN DIEGO COMMERCIAL MARINA	John M. Ducy	
	WESTERN FISHING BOAT OWNERS	John M. Ducy	
1966	BOAT OWNERS INC BOAT	R. L. Polk & Co.	Image pg. A23
	LANDING	R. L. Polk & Co.	Image pg. A23
	LAPACEK ERNEST	R. L. Polk & Co.	Image pg. A23
	SAN DIEGO COMMERCIAL FISHING	R. L. Polk & Co.	Image pg. A23
1961	Lapacek Ernest	R. L. Polk & Co.	Image pg. A28
	SD Coml Fishing Boat Ow ners Inc	R. L. Polk & Co.	Image pg. A28

FINDINGS

Year	Uses	Source	
1960	S D Coml Fishing Boat Ow ners Inc	The Pacific Telephone Telegraph Co.	
1955	S D Coml Fishing Boat Ow ners Inc	R. L. Polk & Co.	

4918 North Harbor Drive

Year	Uses	Source	
2006	6 BUILDING	Haines Company, Inc.	
	ALLEN Carol	Haines Company, Inc.	
	ASSIST 2 SELL	Haines Company, Inc.	
	BANKALUKvl lex R	Haines Company, Inc.	
	BASSHAM Laurel	Haines Company, Inc.	
	BLOCKER Bermie	Haines Company, Inc.	
	BOATSIDE	Haines Company, Inc.	
	COE LAURA DESIGN	Haines Company, Inc.	
	COZZA Franlr	Haines Company, Inc.	
	MANAGMENT ROYALFLUSH&	Haines Company, Inc.	
	MCCONNELl George	Haines Company, Inc.	
	NEPTUNE MARINE	Haines Company, Inc.	
	Robert Jr	Haines Company, Inc.	
	SERVICES SCHLECH PETER	Haines Company, Inc.	
	TEAM TADROS	Haines Company, Inc.	
	TRIMBLE Gorden	Haines Company, Inc.	
	YACHT RPR&RFNSH QUANTUM FIISK	Haines Company, Inc.	
2000	COE LAURA DESIGN	Haines & Company	Image pg. A1
	COZZA Frank	Haines & Company	Image pg. A1
	DRISCOLL MARINE	Haines & Company	Image pg. A1
	FOAM Dan	Haines & Company	Image pg. A1
	HARRISAr	Haines & Company	Image pg. A1
1992	B Lin graphc desgn	PACIFIC BELL WHITE PAGES	
	B Lloyd Enterprises jw lry	PACIFIC BELL WHITE PAGES	
	Benedict Gary	PACIFIC BELL WHITE PAGES	
	Coe Laura Design	PACIFIC BELL WHITE PAGES	
	Lenz Richard	PACIFIC BELL WHITE PAGES	
	Lenz Richard A	PACIFIC BELL WHITE PAGES	

FINDINGS

Year	Uses	Source	
1992	Lenz Robert & Judy	PACIFIC BELL WHITE PAGES	
	Lenz Robt K	PACIFIC BELL WHITE PAGES	
	Lovell Brian B Lin grphc desgn	PACIFIC BELL WHITE PAGES	
	Old San Diego Fishing Village	PACIFIC BELL WHITE PAGES	
	Old San Diego Plumbing	PACIFIC BELL WHITE PAGES	
	Security Off Shore	PACIFIC BELL WHITE PAGES	

4922 North Harbor Drive

Year	Uses	Source	
2000	BLUE CRAB REST THE	Haines & Company	Image pg. A1
	LOGISTECH INC	Haines & Company	Image pg. A1
	MAXCAP ASSOCIATES	Haines & Company	Image pg. A1
1992	Australian Challenge For The Americas Cup	PACIFIC BELL WHITE PAGES	

4930 North Harbor Drive

Year	Uses	Source

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

5043 NORTH HARBOR DR

5 5043 NORTH HARBOR DR

Year	*Uses*	*Source*
1992	N ORTH CHIN A RE S TAURAN T	PACIFIC BELL WHITE PAGES

E HARBOR DR

4987 E HARBOR DR

Year	*Uses*	*Source*
1989	Engineering	Cole Information Services

HARBOR DR

4960 HARBOR DR

Year	*Uses*	*Source*
1960	Makipaa Mike	The Pacific Telephone Telegraph Co.
	Harbor Boat & Yacht Co	The Pacific Telephone Telegraph Co.
	Carsten David H Harbor Boat & Yacht Co	The Pacific Telephone Telegraph Co.
1955	Harbor Boat & Yacht Co	R. L. Polk & Co.
	Jelusich Antone F Harbor Boat & Yacht Co	R. L. Polk & Co.
	Carsten David H Harbor Boat & Yacht Co	R. L. Polk & Co.

4980 HARBOR DR

Year	*Uses*	*Source*
1960	Jelusich Antone F Harbor Boat & Yacht Co	The Pacific Telephone Telegraph Co.

5005 HARBOR DR

Year	*Uses*	*Source*
1960	Scott Jas C	The Pacific Telephone Telegraph Co.
	Point Loma Shores Motor Lodge	The Pacific Telephone Telegraph Co.
1955	Point Loma Shores Motor Lodge	R. L. Polk & Co.

FINDINGS

5051 HARBOR DR

Year	Uses	Source
1960	Communication & Graphics Inc	The Pacific Telephone Telegraph Co.

5055 HARBOR DR

Year	Uses	Source
1960	Ofc	The Pacific Telephone Telegraph Co.
	Ofc	The Pacific Telephone Telegraph Co.
	Ofc	The Pacific Telephone Telegraph Co.
1955	Everist Guy V MD	R. L. Polk & Co.

5057 HARBOR DR

Year	Uses	Source
1960	STRATOS DIV FAIRCHILD ENGEINE & ARPLANCE CORP	The Pacific Telephone Telegraph Co.
1955	Kimmerling Don F MD	R. L. Polk & Co.

5061 HARBOR DR

Year	Uses	Source
1960	Dryden Associates	The Pacific Telephone Telegraph Co.
	Astronde Inc	The Pacific Telephone Telegraph Co.
	Baja Bay Corporation	The Pacific Telephone Telegraph Co.
1955	New man Thos R MD	R. L. Polk & Co.

5063 HARBOR DR

Year	Uses	Source
1960	PERRY KILSBY INC	The Pacific Telephone Telegraph Co.
	LADISH PAC DIV LADISH CO	The Pacific Telephone Telegraph Co.
	Keller A F mfr rep	The Pacific Telephone Telegraph Co.
	Koch Victor	The Pacific Telephone Telegraph Co.

5065 HARBOR DR

Year	Uses	Source
1960	Crane & Mac Donald	The Pacific Telephone Telegraph Co.
	Davis Ronald K Hester & Davis archts	The Pacific Telephone Telegraph Co.
	Hester Henry H Hester & Davis archts	The Pacific Telephone Telegraph Co.

FINDINGS

HARBOR DR N

4823 HARBOR DR N

Year	Uses	Source	
1984	Butler Charles Chevron	R. L. Polk & Co.	Image pg. A6
1980	Butler Charles Chevron	R. L. Polk & Co.	Image pg. A11
1975	Standard Stations Inc	R. L. Polk & Co.	Image pg. A18
1970	STANDARD STATIONS INC	John M. Ducy	
1966	STANDARD STATIONS INC GAS	R. L. Polk & Co.	Image pg. A23

4855 HARBOR DR N

Year	Uses	Source	
1980	Jackie & Liela beauty oprs	R. L. Polk & Co.	Image pg. A11
	Kaiser Setskuo beauty opr	R. L. Polk & Co.	Image pg. A11
1975	Jolly King Restaurants genl ofcs	R. L. Polk & Co.	Image pg. A18
	Grow n Supply Co hotel & restr sup	R. L. Polk & Co.	Image pg. A18
	Regency Inc adv & pub relations	R. L. Polk & Co.	Image pg. A18
	Royal Inns Of America Inc genl ofcs	R. L. Polk & Co.	Image pg. A18
	Lost Knight Inc cocktail lounge oprs	R. L. Polk & Co.	Image pg. A18
1970	JOLLY KING RESTAURANTS GENL	John M. Ducy	
	CROWN SUPPLY CO HOTEL & RESTR	John M. Ducy	
	ROYAL INNS OF AMERICA GENL OFCS	John M. Ducy	

4865 HARBOR DR N

Year	Uses	Source	
1984	Seasons Pt Loma	R. L. Polk & Co.	Image pg. A6

4871 HARBOR DR N

Year	Uses	Source	
1980	Sambos Restaurant	R. L. Polk & Co.	Image pg. A11
1975	Sambas Restaurant restr	R. L. Polk & Co.	Image pg. A18
1970	SAMBOS RESTAURANT	John M. Ducy	

4873 HARBOR DR N

Year	Uses	Source	
1984	Lost Knight cocktail lounge	R. L. Polk & Co.	Image pg. A6

FINDINGS

Year	Uses	Source	
1980	Lost Knight cocktail lounge	R. L. Polk & Co.	Image pg. A11

4875 HARBOR DR N

Year	Uses	Source	
1984	Sand N Sea liquors ret	R. L. Polk & Co.	Image pg. A6
	Harbor View Associates	R. L. Polk & Co.	Image pg. A6
	Mc Bride Margt Literary Agent	R. L. Polk & Co.	Image pg. A6
	Seapoint Hotel The motel	R. L. Polk & Co.	Image pg. A6
1980	Royal Quality Inn Of Point Loma	R. L. Polk & Co.	Image pg. A11
	motel	R. L. Polk & Co.	Image pg. A11
	Sand N Sea liquors ret	R. L. Polk & Co.	Image pg. A11
	Harbor View Associates	R. L. Polk & Co.	Image pg. A11
	Green Don Hair Fashions	R. L. Polk & Co.	Image pg. A11
	Systems Consultants Inc eng	R. L. Polk & Co.	Image pg. A11
	consults data process	R. L. Polk & Co.	Image pg. A11
	Bernal Travel Agency	R. L. Polk & Co.	Image pg. A11
	California Developers Insurance	R. L. Polk & Co.	Image pg. A11
	Agency ins agcy	R. L. Polk & Co.	Image pg. A11
	Dico Insurance Agency ins agcy	R. L. Polk & Co.	Image pg. A11
	Me Bride Margt Literary Agent	R. L. Polk & Co.	Image pg. A11
1975	Executive Mens Fashions tailor	R. L. Polk & Co.	Image pg. A18
	Royal Inn Of Point Loma motel	R. L. Polk & Co.	Image pg. A18
	Brew er Ronald	R. L. Polk & Co.	Image pg. A18
	Sand N Sea liquors ret	R. L. Polk & Co.	Image pg. A18
	Green Don Hair Fashions	R. L. Polk & Co.	Image pg. A18
1970	JAY JAS SPORTSWEAR WOMENS CLO	John M. Ducy	
	ROYAL INN OF POINT LOMA MOTEL	John M. Ducy	
	HOUSEMAN E N	John M. Ducy	
	SAND N SEA LIQUORS RET	John M. Ducy	
	SETSUKO SALON BEAUTY SHOP	John M. Ducy	

4960 HARBOR DR N

Year	Uses	Source	
1984	Bay City Marine Inc	R. L. Polk & Co.	Image pg. A6

FINDINGS

Year	Uses	Source	
1980	Harbor Boat & Yacht Co boat bldrs	R. L. Polk & Co.	Image pg. A11
	Harbor Boat & Yacht Fuel Dock	R. L. Polk & Co.	Image pg. A11
1975	Harbor Boat & Yacht Co boat bidrs repr	R. L. Polk & Co.	Image pg. A18
1970	BLORS REPR	John M. Ducy	
	HARBOR BOAT & YACHT CO BOAT	John M. Ducy	
1966	BLDRS REPR	R. L. Polk & Co.	Image pg. A23
	HARBOR BOAT 6 YACHT CO BOAT	R. L. Polk & Co.	Image pg. A23
1961	Harbor Boat & Yacht Co	R. L. Polk & Co.	Image pg. A28

4975 HARBOR DR N

Year	Uses	Source	
1984	Boise Cascade Point Loma lbr ret	R. L. Polk & Co.	Image pg. A6
1980	Boise Cascade Point Loma lbr ret	R. L. Polk & Co.	Image pg. A11
1975	Westys Point Loma lbr ret	R. L. Polk & Co.	Image pg. A18
1970	WESTYS POINT LOMA LBR RET	John M. Ducy	
1966	WESTYS POINT LOMA LUMBER CO	R. L. Polk & Co.	Image pg. A23
1961	Point Loma Lbr Co	R. L. Polk & Co.	Image pg. A28

5005 HARBOR DR N

Year	Uses	Source	
1984	Posada Inn At Point Loma hotel	R. L. Polk & Co.	Image pg. A6
1980	Posada Inn At Point Loma hotel	R. L. Polk & Co.	Image pg. A11
1975	Posada Inn Of Point Loma	R. L. Polk & Co.	Image pg. A18
1970	POINT LOMA SHORES MOTEL	John M. Ducy	
1966	DRURY THOS H	R. L. Polk & Co.	Image pg. A23
	POINT LOMA SHORES MOTEL	R. L. Polk & Co.	Image pg. A23
1961	Worthington Richd E psychologist	R. L. Polk & Co.	Image pg. A28
	Lareau Richd J archt	R. L. Polk & Co.	Image pg. A28
	Fireside Bldg Maintenance Corp	R. L. Polk & Co.	Image pg. A28
	Berman Emanuel A real est	R. L. Polk & Co.	Image pg. A28
	Benjamin Donald A dance tchr	R. L. Polk & Co.	Image pg. A28
	Point Loma Shores Mtr Lodge	R. L. Polk & Co.	Image pg. A28

FINDINGS

5043 HARBOR DR N

Year	Uses	Source	
1984	North China Restaurant	R. L. Polk & Co.	Image pg. A6
1980	Chinese Pavilion restr	R. L. Polk & Co.	Image pg. A11
1975	Chinese Pavilion restr	R. L. Polk & Co.	Image pg. A18

5055 HARBOR DR N

Year	Uses	Source	
1984	a Western Fishboat Ow ners Assn	R. L. Polk & Co.	Image pg. A6
	American Fishermens Research Foundation	R. L. Polk & Co.	Image pg. A6
	b Ralston Purina Co Van Camp Sea Food Co	R. L. Polk & Co.	Image pg. A6
	c Mar Azul Enterprises Inc mktg research	R. L. Polk & Co.	Image pg. A6
	Tuna Ventures fish brokerage	R. L. Polk & Co.	Image pg. A6
	d V G Travel travel agcy	R. L. Polk & Co.	Image pg. A6
	e Cavell Realty	R. L. Polk & Co.	Image pg. A6
	f Harbor Marine Ins Agcy	R. L. Polk & Co.	Image pg. A6
	h Wood Gary & Associates solar htg & cleaning equip sls	R. L. Polk & Co.	Image pg. A6
	j Fishermans Union Local 33 I L W U labor orgn	R. L. Polk & Co.	Image pg. A6
1980	a Western Fishboat Ow ners Assn	R. L. Polk & Co.	Image pg. A11
	American Fishermens Research	R. L. Polk & Co.	Image pg. A11
	Foundation	R. L. Polk & Co.	Image pg. A11
	b Ralston Purina Co Van Camp Sea	R. L. Polk & Co.	Image pg. A11
	Food Co	R. L. Polk & Co.	Image pg. A11
	c Mar Azul Enterprises Inc mktg	R. L. Polk & Co.	Image pg. A11
	research	R. L. Polk & Co.	Image pg. A11
	Tuna Ventures fish brokerage	R. L. Polk & Co.	Image pg. A11
	d Doerings Yacht Upholstery	R. L. Polk & Co.	Image pg. A11
	e Cavell Realty	R. L. Polk & Co.	Image pg. A11
	f Fathoms Plus shell fish traps mfrssis	R. L. Polk & Co.	Image pg. A11
	g Point Loma Marine Inc	R. L. Polk & Co.	Image pg. A11
	communications	R. L. Polk & Co.	Image pg. A11
	Harbor Marine Ins	R. L. Polk & Co.	Image pg. A11
	Marine Communications Serv Co sia	R. L. Polk & Co.	Image pg. A11

FINDINGS

Year	Uses	Source	
1980	h Radar Service Center boat radar	R. L. Polk & Co.	Image pg. A11
	Vacant	R. L. Polk & Co.	Image pg. A11
	j Fishermans Union Local 33 I L W	R. L. Polk & Co.	Image pg. A11
	U labor orgn	R. L. Polk & Co.	Image pg. A11
1975	Western Fishboat Ow ners Assn organization	R. L. Polk & Co.	Image pg. A18
	Ralston Purina Co Van Camp Sea	R. L. Polk & Co.	Image pg. A18
	Food Division	R. L. Polk & Co.	Image pg. A18
	Apollo Fisheries Serv Inc mgmnt consultants	R. L. Polk & Co.	Image pg. A18
	Tuna Ventures fish brokerage	R. L. Polk & Co.	Image pg. A18
	Edo Corp electronic equip repr	R. L. Polk & Co.	Image pg. A18
	Cavell Realty	R. L. Polk & Co.	Image pg. A18
	Scull Wm R realtor	R. L. Polk & Co.	Image pg. A18
	Military Insurance Service auto ins	R. L. Polk & Co.	Image pg. A18
	Point Pacific Marine Ins agts	R. L. Polk & Co.	Image pg. A18
	Marine Communications Serv Co sis rep	R. L. Polk & Co.	Image pg. A18
	Southw est Marine Architects & Engineering Inc	R. L. Polk & Co.	Image pg. A18
	Delaney Pauline E real est	R. L. Polk & Co.	Image pg. A18
	Fishermans Union Local 33 I L W U labor orgn	R. L. Polk & Co.	Image pg. A18
1970	A APPLIED OCEANOGRAPHICS INC	John M. Ducy	
	RESEARCH DEVELOPMENT	John M. Ducy	
	RALSTON PURINA CO VAN CAMP SEA	John M. Ducy	
	FOOD DIVISION	John M. Ducy	
	C HAMILTON & MAYNARD CONSTN CO	John M. Ducy	
	SCHWENN DONALD B ARCHTS INC	John M. Ducy	
	INTERNATL MARINE SERVICES LTD	John M. Ducy	
	YACHT CHARTER	John M. Ducy	
	E CAVELL REALTY	John M. Ducy	
	G PERROTT J R E ASSOCS FINANCIAL	John M. Ducy	
	PLANNING	John M. Ducy	
	H SOUTHWEST MARINE ARCHITECTS	John M. Ducy	
	ENGINEERING INC	John M. Ducy	

FINDINGS

Year	Uses	Source	
1970	BORGEN CO THE PUBLIC RELATIONS	John M. Ducy	
	& ADV	John M. Ducy	
	MASON LUTE & ASSOCS PUBLIC	John M. Ducy	
	RELATIONS & ADVERTISING	John M. Ducy	
	J WORTHINGTON RICHD E	John M. Ducy	
	PSYCHOLOGIST	John M. Ducy	
	KINNON WM PSYCHOLOGIST	John M. Ducy	
1966	PERRY C HAMLIN INC INS	R. L. Polk & Co.	Image pg. A23
	VAN CAMP SEA FOOD CO	R. L. Polk & Co.	Image pg. A23
	BUTLER 6 SCHROEDER LWYR	R. L. Polk & Co.	Image pg. A23
	CAVELL REALTY	R. L. Polk & Co.	Image pg. A23
	BOOZ ALLEN APPLIED RESEARCH	R. L. Polk & Co.	Image pg. A23
	MASTER SYSTEM CORP	R. L. Polk & Co.	Image pg. A23
	CONSULTANTS	R. L. Polk & Co.	Image pg. A23
	VACANT	R. L. Polk & Co.	Image pg. A23
	LAREAU RICHD J 6 ASSOCIATES	R. L. Polk & Co.	Image pg. A23
	ARCHT	R. L. Polk & Co.	Image pg. A23
	WORTHINGTON RICHD E	R. L. Polk & Co.	Image pg. A23
	PSYCHOLOGIST	R. L. Polk & Co.	Image pg. A23
	KINNON WM D PSYCHOLOGIST	R. L. Polk & Co.	Image pg. A23
	SCOTT INTERSECT	R. L. Polk & Co.	Image pg. A23
	SCOTT INTERSECT	R. L. Polk & Co.	Image pg. A24

JARVIS ST

2804 JARVIS ST

Year	Uses	Source	
1945	Southw estrn Yacht Club	San Diego Directory Co.	
1943	Southw estern Yacht Cl Ob	San Diego Directory Co.	Image pg. A39

2806 JARVIS ST

Year	Uses	Source
2017	JAMES SLAVIN	Cole Information Services
2004	HELEN LOGAN	Cole Information Services

FINDINGS

Year	Uses	Source	
2000	No Current Listing	Haines & Company	Image pg. A2
1994	NEUMAN, LINDA	Cole Information Services	
1984	How e Robt	R. L. Polk & Co.	Image pg. A7
1980	How e Robt	R. L. Polk & Co.	Image pg. A12
1975	Vacant	R. L. Polk & Co.	Image pg. A19
1970	MAXFIELD BURT E	John M. Ducy	
1966	NO RETURN	R. L. Polk & Co.	Image pg. A25
1961	Johnson Susanna T Mrs	R. L. Polk & Co.	Image pg. A29
1960	Johnson Gerald A Maj	The Pacific Telephone Telegraph Co.	
1952	Weaver G A jr	R. L. Polk & Co. of California	Image pg. A32

2809 JARVIS ST

Year	Uses	Source	
2017	CHARLES GREEN	Cole Information Services	
2014	JAMES MCCRAKEN	Cole Information Services	
2009	OCCUPANT UNKNOWN	Cole Information Services	
2004	OCCUPANT UNKNOWN	Cole Information Services	
	A BETTER SOLUTION VIDEO & DVD	Cole Information Services	
2000	No Current Listing	Haines & Company	Image pg. A2
1984	Furlong Philip B	R. L. Polk & Co.	Image pg. A7
1980	N Furlong Philip B	R. L. Polk & Co.	Image pg. A12
1975	Holmes Florene Mrs	R. L. Polk & Co.	Image pg. A19
1970	GRIFFIN CLIFFORD S	John M. Ducy	
1966	LOVE MARG A	R. L. Polk & Co.	Image pg. A25
1961	Love Mary A	R. L. Polk & Co.	Image pg. A29
1955	Mango Betty	R. L. Polk & Co.	

2810 JARVIS ST

Year	Uses	Source
2017	JERRY MAXFIELD	Cole Information Services
2014	SCARLETE CADENA	Cole Information Services
2009	MARIA VALENCIA	Cole Information Services
2004	ALICE FONTENOT	Cole Information Services
	DAGO CHOPPERS WEAR	Cole Information Services

FINDINGS

Year	Uses	Source	
1999	MARIA VALENCIA	Cole Information Services	
1984	Johnston Keith R	R. L. Polk & Co.	Image pg. A7
1980	Johnston Keith R	R. L. Polk & Co.	Image pg. A12
1975	Maderios Edw in G	R. L. Polk & Co.	Image pg. A19
1970	CUI ADOLFO B	John M. Ducy	
1966	HAYWARD CHARLES A	R. L. Polk & Co.	Image pg. A25
1961	Allen Margt E Mrs	R. L. Polk & Co.	Image pg. A29
1960	Holt John A III Ltjg	The Pacific Telephone Telegraph Co.	
1955	Buchardt Jack R	R. L. Polk & Co.	
1952	Smith H A	R. L. Polk & Co. of California	Image pg. A32

2811 JARVIS ST

Year	Uses	Source	
2017	DENISE VENTURA	Cole Information Services	
2014	DENISE VENTURA	Cole Information Services	
2009	DENISE VENTURA	Cole Information Services	
2004	MATTHEW ALTSCHUL	Cole Information Services	
2000	PEREZ Rober M	Haines & Company	Image pg. A2
1999	DENISE VENTURA	Cole Information Services	
	OCCUPANT UNKNOWN	Cole Information Services	
1984	Kirkpatrick Moira	R. L. Polk & Co.	Image pg. A7
1980	Vacant	R. L. Polk & Co.	Image pg. A12
1975	Vargas Mary D Mrs	R. L. Polk & Co.	Image pg. A19
1970	CAMPOS ELIAS	John M. Ducy	
1966	PRESCOTT JAMES	R. L. Polk & Co.	Image pg. A25
1961	Mc Mahon Jack	R. L. Polk & Co.	Image pg. A29

2812 JARVIS ST

Year	Uses	Source	
2017	WILLIAM PERRY	Cole Information Services	
2014	WILLIAM PERRY	Cole Information Services	
2004	VANGIE MCDOUGALL	Cole Information Services	
2000	No Current Listing	Haines & Company	Image pg. A2
1999	OCCUPANT UNKNOWN	Cole Information Services	

FINDINGS

Year	Uses	Source	
1984	Mann Barry	R. L. Polk & Co.	Image pg. A7
1980	No Return	R. L. Polk & Co.	Image pg. A12
1975	Sterling S J Mrs	R. L. Polk & Co.	Image pg. A19
1970	DURAN SYLVESTER A	John M. Ducy	
1966	ROBERTSON WM J JR	R. L. Polk & Co.	Image pg. A25
1961	Funderburk John	R. L. Polk & Co.	Image pg. A29
1960	Fannin Farrell Ltjg	The Pacific Telephone Telegraph Co.	
1955	Anderson Harold R	R. L. Polk & Co.	
1952	Cates Fredk	R. L. Polk & Co. of California	Image pg. A32

2815 JARVIS ST

Year	Uses	Source	
2017	GILBERT MELZER	Cole Information Services	
2014	GILBERT MELZER	Cole Information Services	
2000	No Current Listing	Haines & Company	Image pg. A2
1999	OCCUPANT UNKNOWN	Cole Information Services	
1984	Artz Mabel M	R. L. Polk & Co.	Image pg. A7
1980	Artz Mabel M	R. L. Polk & Co.	Image pg. A12
1975	Arta Mabel M	R. L. Polk & Co.	Image pg. A19
1970	ARTZ MABEL M	John M. Ducy	
1966	PECK DOROTHY	R. L. Polk & Co.	Image pg. A25
1961	Baker Vivian A	R. L. Polk & Co.	Image pg. A29
1960	Baker Vivian A	The Pacific Telephone Telegraph Co.	
1955	Sperl Elmer	R. L. Polk & Co.	

2817 JARVIS ST

Year	Uses	Source	
2017	RUHI KEON	Cole Information Services	
2014	RUHI KEON	Cole Information Services	
2009	OCCUPANT UNKNOWN	Cole Information Services	
2004	MARK WORTH	Cole Information Services	
2000	No Current Listing	Haines & Company	Image pg. A2
1994	RODRIGUEZ, JUAN	Cole Information Services	
1992	Rodriguez Juan	PACIFIC BELL WHITE PAGES	

FINDINGS

Year	Uses	Source	
1984	Johnson S K	R. L. Polk & Co.	Image pg. A7
1980	Johnson S K	R. L. Polk & Co.	Image pg. A12
1975	Watson Ralph G	R. L. Polk & Co.	Image pg. A19
1970	POWELL MARIE M MRS	John M. Ducy	
1966	LACKO JOHN M	R. L. Polk & Co.	Image pg. A25
1961	Wall Elsie R	R. L. Polk & Co.	Image pg. A29
1955	Espinola Laura F Mrs	R. L. Polk & Co.	

2818 JARVIS ST

Year	Uses	Source	
2017	ARON BAKER	Cole Information Services	
2014	BEN BAKER	Cole Information Services	
2004	OCCUPANT UNKNOWN	Cole Information Services	
1994	SMITH, MERWIN	Cole Information Services	
1992	Smith Michael....................	PACIFIC BELL WHITE PAGES	
	Smith Michael........................	PACIFIC BELL WHITE PAGES	
	Smith Merw in	PACIFIC BELL WHITE PAGES	
1989	Case G	Cole Information Services	
1984	Case Grace H	R. L. Polk & Co.	Image pg. A7
1980	Case Grace H	R. L. Polk & Co.	Image pg. A12
1975	Harding Darrell G	R. L. Polk & Co.	Image pg. A19
1970	VACANT	John M. Ducy	
1966	VACANT	R. L. Polk & Co.	Image pg. A25
1961	Vacant	R. L. Polk & Co.	Image pg. A29
1960	Haynes Marjorie S	The Pacific Telephone Telegraph Co.	
1955	Koenig Donald D Ens	R. L. Polk & Co.	

2819 JARVIS ST

Year	Uses	Source	
2017	CHRIS HAM	Cole Information Services	
2014	OCCUPANT UNKNOWN	Cole Information Services	
2009	STAN HOWELL	Cole Information Services	
2004	OCCUPANT UNKNOWN	Cole Information Services	
2000	NUNES Courney	Haines & Company	Image pg. A2

FINDINGS

Year	*Uses*	*Source*	
1999	STAN HOWELL	Cole Information Services	
1994	GONCALVES, AURORA	Cole Information Services	
1992	Goncalves Aurora	PACIFIC BELL WHITE PAGES	
1989	Blackw ood Donna R	Cole Information Services	
1984	Ow ens Todd	R. L. Polk & Co.	Image pg. A7
1980	Cornman Mary Mrs	R. L. Polk & Co.	Image pg. A12
1975	Cornnan M	R. L. Polk & Co.	Image pg. A19
1970	FARMER MERTON	John M. Ducy	
1966	VACANT	R. L. Polk & Co.	Image pg. A25
1961	Sperl Elmer R	R. L. Polk & Co.	Image pg. A29
1960	Anderson W A	The Pacific Telephone Telegraph Co.	
	Sperl Ann	The Pacific Telephone Telegraph Co.	
1955	Anderson W A Apts	R. L. Polk & Co.	
	Bingham Robt B Mrs	R. L. Polk & Co.	

2820 JARVIS ST

Year	*Uses*	*Source*	
2017	KATHLEEN MYKING	Cole Information Services	
2014	KATHLEEN MYKING	Cole Information Services	
2009	KATHLEEN MYKING	Cole Information Services	
2004	MAUREEN BARNEY	Cole Information Services	
2000	No Current Listing	Haines & Company	Image pg. A2
1999	KATHLEEN MYKING	Cole Information Services	
1984	De Mott Barbara	R. L. Polk & Co.	Image pg. A7
1980	De Mott Barbara	R. L. Polk & Co.	Image pg. A12
1975	Walker Arth M	R. L. Polk & Co.	Image pg. A19
1970	VACANT	John M. Ducy	
1966	VACANT	R. L. Polk & Co.	Image pg. A25
1961	Jones Jas A	R. L. Polk & Co.	Image pg. A29
1960	Crain Richard H	The Pacific Telephone Telegraph Co.	
	Eberhart Glen	The Pacific Telephone Telegraph Co.	

FINDINGS

2821 JARVIS ST

Year	Uses	Source	
2014	CAITLAN SHANKLES	Cole Information Services	
2009	OCCUPANT UNKNOWN	Cole Information Services	
2006	POWER Rand	Haines Company, Inc.	
2004	RAND POWER	Cole Information Services	
2000	No Current Listing	Haines & Company	Image pg. A2
1999	OCCUPANT UNKNOWN	Cole Information Services	
1984	Stellar David	R. L. Polk & Co.	Image pg. A7
1980	N Brannick Kimberly A	R. L. Polk & Co.	Image pg. A12
1975	Ferreira Belmira S Mrs	R. L. Polk & Co.	Image pg. A19
1970	KELLEY MAE V MRS	John M. Ducy	
1966	MUTT ALL HARRY	R. L. Polk & Co.	Image pg. A25
1961	Mynatt Walter L	R. L. Polk & Co.	Image pg. A29
1960	Mynatt Walter L	The Pacific Telephone Telegraph Co.	
1955	Marin Raymond R	R. L. Polk & Co.	

2822 JARVIS ST

Year	Uses	Source	
2014	OCCUPANT UNKNOWN	Cole Information Services	
2009	OCCUPANT UNKNOWN	Cole Information Services	
2004	OCCUPANT UNKNOWN	Cole Information Services	
2000	COOK Kassey	Haines & Company	Image pg. A2
1999	OCCUPANT UNKNOWN	Cole Information Services	
1994	ODONNELL, M A	Cole Information Services	
1992	ODonnell MA	PACIFIC BELL WHITE PAGES	
1989	ODonnell M A	Cole Information Services	
1984	Kelley Mae V	R. L. Polk & Co.	Image pg. A7
1980	N Kelley Mae V	R. L. Polk & Co.	Image pg. A12
1975	Ellis Harold R	R. L. Polk & Co.	Image pg. A19
1970	ELLIS HAROLD R	John M. Ducy	
1966	ELLIS HAROLD R	R. L. Polk & Co.	Image pg. A25
1961	Murray Marie A Mrs	R. L. Polk & Co.	Image pg. A29
1960	Murray Marie A Mrs	The Pacific Telephone Telegraph Co.	

FINDINGS

Year	Uses	Source	
1955	Fresquez D M Mrs	R. L. Polk & Co.	

2823 JARVIS ST

Year	Uses	Source	
2017	PHILLIP MANSON	Cole Information Services	
2014	PHILLIP MANSON	Cole Information Services	
2004	NATHAN WIGGERS	Cole Information Services	
2000	WALKER Bonnie L	Haines & Company	Image pg. A2
1984	Tynen Mary Ellen	R. L. Polk & Co.	Image pg. A7
1980	N Tynen Mary Ellen	R. L. Polk & Co.	Image pg. A12
1975	Viegas Mae Mrs	R. L. Polk & Co.	Image pg. A19
1970	STEINSIEK EDNA MRS	John M. Ducy	
1966	STEINSIEK EDNA MRS	R. L. Polk & Co.	Image pg. A25
1961	Stafford Donald R	R. L. Polk & Co.	Image pg. A29
1960	Hermenau Paul	The Pacific Telephone Telegraph Co.	
1955	Cassidy Wm G	R. L. Polk & Co.	

2825 JARVIS ST

Year	Uses	Source	
2017	ROBERTA HILL	Cole Information Services	
2014	BOBBI HILL	Cole Information Services	
2009	ROBERTA HILL	Cole Information Services	
2004	ROBERTA HILL	Cole Information Services	
2000	No Current Listing	Haines & Company	Image pg. A2
1999	ROBERTA HILL	Cole Information Services	
1989	Mc Laughlin Wes	Cole Information Services	
1984	Davis Kenneth	R. L. Polk & Co.	Image pg. A7
1980	N Miettinen J N	R. L. Polk & Co.	Image pg. A12
1975	Kawamoto Sakayo S	R. L. Polk & Co.	Image pg. A19
1970	VACANT	John M. Ducy	
1966	JACOBS BESSIE C MRS	R. L. Polk & Co.	Image pg. A25
1961	Vacant	R. L. Polk & Co.	Image pg. A29

FINDINGS

2827 JARVIS ST

Year	***Uses***	***Source***	
2017	LEE BIERSACH	Cole Information Services	
2009	OCCUPANT UNKNOWN	Cole Information Services	
2004	OCCUPANT UNKNOWN	Cole Information Services	
2000	No Current Listing	Haines & Company	Image pg. A2
1999	OCCUPANT UNKNOWN	Cole Information Services	
1994	BIERSACH, LEE	Cole Information Services	
1992	Biersach Lee	PACIFIC BELL WHITE PAGES	
1984	Hernandez Sherene	R. L. Polk & Co.	Image pg. A7
1980	Hernandez Sherene	R. L. Polk & Co.	Image pg. A12
1975	Martinez Lloyd M	R. L. Polk & Co.	Image pg. A19
1970	RYAN MARY MRS	John M. Ducy	
1966	EVANS JOSEPH	R. L. Polk & Co.	Image pg. A25
1961	Gomez Marina Mrs	R. L. Polk & Co.	Image pg. A29
1960	Gomez Marina	The Pacific Telephone Telegraph Co.	

2829 JARVIS ST

Year	***Uses***	***Source***	
2017	MORENA CALVO	Cole Information Services	
2014	LISA HAND	Cole Information Services	
2009	OCCUPANT UNKNOWN	Cole Information Services	
2004	HOLLY DAY	Cole Information Services	
1999	OCCUPANT UNKNOWN	Cole Information Services	
1984	Ghiq Sharon	R. L. Polk & Co.	Image pg. A7
1980	N Seamans Arth F	R. L. Polk & Co.	Image pg. A12
1975	Poe Dennis L	R. L. Polk & Co.	Image pg. A19
1970	MC KAY KATHLEEN K MRS	John M. Ducy	
1966	MC KAY KATHLEEN MRS	R. L. Polk & Co.	Image pg. A25
1961	Griffith Mary Mrs	R. L. Polk & Co.	Image pg. A29
1960	Chirico Mathew	The Pacific Telephone Telegraph Co.	
1952	Kettenburg G W III	R. L. Polk & Co. of California	Image pg. A32

FINDINGS

2831 JARVIS ST

Year	Uses	Source	
2017	JIM KINKADE	Cole Information Services	
2014	JIM KINKADE	Cole Information Services	
2009	JIM KINKADE	Cole Information Services	
2004	JIM KINKADE	Cole Information Services	
2000	No Current Listing	Haines & Company	Image pg. A2
1999	JIM KINKADE	Cole Information Services	
1984	No Return	R. L. Polk & Co.	Image pg. A7
1980	N Murdy M	R. L. Polk & Co.	Image pg. A12
1975	Kelley Mae V Mrs	R. L. Polk & Co.	Image pg. A19
1970	BESWICK ALMENA MRS	John M. Ducy	
1966	BESWICK ALMENA MRS	R. L. Polk & Co.	Image pg. A25
1961	Vacant	R. L. Polk & Co.	Image pg. A29
1955	Mitchell Franklin T	R. L. Polk & Co.	

2836 JARVIS ST

Year	Uses	Source	
2006	RODRIGUES Manuel	Haines Company, Inc.	
2000	RODRIGUES Manuel Jr	Haines & Company	Image pg. A2
1994	RODRIGUES, MANUEL JR	Cole Information Services	
1989	Rodrigues Manuel Jr	Cole Information Services	
1984	Rodrigues Manuel Jr	R. L. Polk & Co.	Image pg. A7
1980	Rodrigues Manuel Jr	R. L. Polk & Co.	Image pg. A12
1975	Burke Donald A	R. L. Polk & Co.	Image pg. A19
1970	MOJICA VICTOR J	John M. Ducy	
1966	MOJICA VICTOR J	R. L. Polk & Co.	Image pg. A25
1961	Amijo Rudolph Z	R. L. Polk & Co.	Image pg. A29
1955	Beck Jos Mrs	R. L. Polk & Co.	

2838 JARVIS ST

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	ALBERT SALAZAR	Cole Information Services
2006	No Current Listing	Haines Company, Inc.

FINDINGS

Year	Uses	Source	
2004	PATRICIA CRUZ	Cole Information Services	
2000	No Current Listing	Haines & Company	Image pg. A2
1999	OCCUPANT UNKNOWN	Cole Information Services	
	ALBERT SALAZAR	Cole Information Services	
1984	Mitchell Tom G	R. L. Polk & Co.	Image pg. A7
1980	Vacant	R. L. Polk & Co.	Image pg. A12
1975	No Return	R. L. Polk & Co.	Image pg. A19
1970	BARTOLOME ALFONSO S	John M. Ducy	
1966	BENOIT DON W	R. L. Polk & Co.	Image pg. A25
1961	Vacant	R. L. Polk & Co.	Image pg. A29
1955	Prentice Hillyer Jr	R. L. Polk & Co.	

2840 JARVIS ST

Year	Uses	Source	
2017	PETER BUTLER	Cole Information Services	
2014	MANDY LAROWE	Cole Information Services	
2009	PETER BUTLER	Cole Information Services	
2004	JAMES WALTERS	Cole Information Services	
	PETER BUTLER	Cole Information Services	
2000	No Current Listing	Haines & Company	Image pg. A2
1999	PETER BUTLER	Cole Information Services	
1989	Orozco Rigoberto	Cole Information Services	
1984	Ackerly Christin	R. L. Polk & Co.	Image pg. A7
1980	Ackerly Christin	R. L. Polk & Co.	Image pg. A12
1975	Richardson James E	R. L. Polk & Co.	Image pg. A19
1970	BARRIOS MARIA MRS	John M. Ducy	
1966	CABALES EDMUND R	R. L. Polk & Co.	Image pg. A25
1961	Da Luz Jose F	R. L. Polk & Co.	Image pg. A29
1960	Chamberlain John R	The Pacific Telephone Telegraph Co.	
1952	Reece G W	R. L. Polk & Co. of California	Image pg. A32

2842 JARVIS ST

Year	Uses	Source
2017	SANTIAGO VENEGAS	Cole Information Services

FINDINGS

Year	Uses	Source	
2014	OCCUPANT UNKNOWN	Cole Information Services	
2009	OCCUPANT UNKNOWN	Cole Information Services	
2006	No Current Listing	Haines Company, Inc.	
2004	ANTHONY SCHMIDT	Cole Information Services	
1999	OCCUPANT UNKNOWN	Cole Information Services	
1984	Medina Manul J	R. L. Polk & Co.	Image pg. A7
1980	Medina Manul J	R. L. Polk & Co.	Image pg. A12
1975	Pens Anita	R. L. Polk & Co.	Image pg. A19
1970	MAGLALANG AURELIO Z	John M. Ducy	
1966	BUSTRA BENJ L	R. L. Polk & Co.	Image pg. A25
1961	Mallory Leonard H	R. L. Polk & Co.	Image pg. A29
1960	Zofrea Jos	The Pacific Telephone Telegraph Co.	
1952	Swanson Raymond	R. L. Polk & Co. of California	Image pg. A32

2843 JARVIS ST

Year	Uses	Source	
1966	LEE APARTMENTS	R. L. Polk & Co.	Image pg. A25
	BOYER GERALD	R. L. Polk & Co.	Image pg. A25
	VACANT APTS	R. L. Polk & Co.	Image pg. A25
	HOLLIDAY GARY	R. L. Polk & Co.	Image pg. A25
	JAMES CARL L	R. L. Polk & Co.	Image pg. A25
	DUNCAN DAVID	R. L. Polk & Co.	Image pg. A25
	VACANT	R. L. Polk & Co.	Image pg. A25
	LE CORNO JOHN	R. L. Polk & Co.	Image pg. A25
	VACANT	R. L. Polk & Co.	Image pg. A25
	DOWNING ROY	R. L. Polk & Co.	Image pg. A25
	VACANT	R. L. Polk & Co.	Image pg. A25
	ADAMECK RICHD	R. L. Polk & Co.	Image pg. A25
	LAMB KENNETH	R. L. Polk & Co.	Image pg. A25
1961	Lee Apartments	R. L. Polk & Co.	Image pg. A29
	Vacant	R. L. Polk & Co.	Image pg. A29
	James Walter E	R. L. Polk & Co.	Image pg. A29
	Vacant	R. L. Polk & Co.	Image pg. A29

FINDINGS

Year	Uses	Source	
1961	Brow ning Cortland L	R. L. Polk & Co.	Image pg. A29
	Hair Ruby M C Mrs	R. L. Polk & Co.	Image pg. A29
	Johnson Allegra C Mrs	R. L. Polk & Co.	Image pg. A29
	Vacant	R. L. Polk & Co.	Image pg. A29
	Vacant	R. L. Polk & Co.	Image pg. A29
	Vacant	R. L. Polk & Co.	Image pg. A29
	Vacant	R. L. Polk & Co.	Image pg. A29
	Vacant	R. L. Polk & Co.	Image pg. A29
	Vacant	R. L. Polk & Co.	Image pg. A29
	Vacant	R. L. Polk & Co.	Image pg. A29
	Lash Jackie E	R. L. Polk & Co.	Image pg. A29
	Vacant	R. L. Polk & Co.	Image pg. A29
	Jackson Jack B	R. L. Polk & Co.	Image pg. A29
	Vacant	R. L. Polk & Co.	Image pg. A29
1960	Jones Gary	The Pacific Telephone Telegraph Co.	
	Hair Ruby M C	The Pacific Telephone Telegraph Co.	
1955	Lee Apts	R. L. Polk & Co.	
1952	Staubitz Glenn	R. L. Polk & Co. of California	Image pg. A33
	Lee Apts	R. L. Polk & Co. of California	Image pg. A32
	Aldy Robt	R. L. Polk & Co. of California	Image pg. A32
	Bartle Raymond	R. L. Polk & Co. of California	Image pg. A32
	Berry Richd	R. L. Polk & Co. of California	Image pg. A32
	Cook Robt	R. L. Polk & Co. of California	Image pg. A32
	Dow dy Herbert	R. L. Polk & Co. of California	Image pg. A32
	Fletcher Jas	R. L. Polk & Co. of California	Image pg. A32
	Flinn R F	R. L. Polk & Co. of California	Image pg. A32
	Gambino Michl	R. L. Polk & Co. of California	Image pg. A32
	Hart R C	R. L. Polk & Co. of California	Image pg. A32
	Koch Don	R. L. Polk & Co. of California	Image pg. A32
	New ingham Vernon	R. L. Polk & Co. of California	Image pg. A33
	Shenck Robt	R. L. Polk & Co. of California	Image pg. A33
1948	Lee Apartments	San Diego Directory Co.	Image pg. A36

FINDINGS

Year	Uses	Source	
1948	Abele Edw	San Diego Directory Co.	Image pg. A36
	Braga A A	San Diego Directory Co.	Image pg. A36
	Brannon Jas	San Diego Directory Co.	Image pg. A36
	Ferriera Manuel	San Diego Directory Co.	Image pg. A36
	Franks Frank	San Diego Directory Co.	Image pg. A36
	Grappella Antonio	San Diego Directory Co.	Image pg. A36
	Godfrey H E	San Diego Directory Co.	Image pg. A36
	Knox I R	San Diego Directory Co.	Image pg. A36
	Mathis C H	San Diego Directory Co.	Image pg. A36
	Medlin A W	San Diego Directory Co.	Image pg. A36
	Pauls A L	San Diego Directory Co.	Image pg. A36
	Slick Jew el Mrs	San Diego Directory Co.	Image pg. A36
	Snyder M G	San Diego Directory Co.	Image pg. A36
	Sutton John	San Diego Directory Co.	Image pg. A36

KEATS ST

2801 KEATS ST

Year	Uses	Source	
1927	Converse J P	San Diego Directory Co.	Image pg. A46

2810 KEATS ST

Year	Uses	Source
2017	JOE KASTEN	Cole Information Services
	KRYSTLE ROBINSON	Cole Information Services
	DONALD MUNSON	Cole Information Services
	GLENN HYZAK	Cole Information Services
2014	AIDA ALBERRO	Cole Information Services
	MADELINE PAPPAS	Cole Information Services
	KEVIN BOWLER	Cole Information Services
	RENE NOIR	Cole Information Services
	KARINA WESTRA	Cole Information Services
	JOE KASTEN	Cole Information Services
	MINDY NGUYEN	Cole Information Services

FINDINGS

Year	*Uses*	*Source*	
2014	DONALD MUNSON	Cole Information Services	
2009	SHERRY BRADLEY	Cole Information Services	
	ANGELIA KROENING	Cole Information Services	
	ANDREA WISE	Cole Information Services	
	RENE NOIR	Cole Information Services	
2006	HILL Katrina	Haines Company, Inc.	
	PHILLIPS William R	Haines Company, Inc.	
2004	CONSUELO WOODLAND	Cole Information Services	
	KRISTY POLLARD	Cole Information Services	
	ANDREA WISE	Cole Information Services	
	WILLIAM PHILLIPS	Cole Information Services	
2000	PILCHENMarcI	Haines & Company	Image pg. A3
1999	SHERRY BRADLEY	Cole Information Services	
	RENE NOIR	Cole Information Services	
	ANDREA WISE	Cole Information Services	
	ANGELIA KROENING	Cole Information Services	
1992	Cassilly Frank	PACIFIC BELL WHITE PAGES	
	Cassin & Ass Ociates	PACIFIC BELL WHITE PAGES	
	Miller Paul H & Daw n	PACIFIC BELL WHITE PAGES	
1989	Kennedy Michael	Cole Information Services	
	Lee Chris & Danna	Cole Information Services	
	Merrill J L	Cole Information Services	
1984	Keats Manor apts	R. L. Polk & Co.	Image pg. A8
	Gamoke Deborah	R. L. Polk & Co.	Image pg. A8
	Salvani Antonio B	R. L. Polk & Co.	Image pg. A8
	Ona Elmer V	R. L. Polk & Co.	Image pg. A8
	Watters L A	R. L. Polk & Co.	Image pg. A8
	Vacant	R. L. Polk & Co.	Image pg. A8
	Ouellette P	R. L. Polk & Co.	Image pg. A8
	Ghiringhelli S	R. L. Polk & Co.	Image pg. A8
	Magistrado F	R. L. Polk & Co.	Image pg. A8
1980	N Stew art Debbie	R. L. Polk & Co.	Image pg. A13

FINDINGS

Year	*Uses*	*Source*	
1980	N Goodman Christine	R. L. Polk & Co.	Image pg. A13
	Vacant	R. L. Polk & Co.	Image pg. A13
	N Aflaque Lourdes	R. L. Polk & Co.	Image pg. A13
	N Wong Robt	R. L. Polk & Co.	Image pg. A13
	Plowman Shirley	R. L. Polk & Co.	Image pg. A13
	Keats Manor apts	R. L. Polk & Co.	Image pg. A13
	I N na Elmer V	R. L. Polk & Co.	Image pg. A13
	N r Salvani Antonio B	R. L. Polk & Co.	Image pg. A13
1975	Keats Manor apts	R. L. Polk & Co.	Image pg. A20
	Vacant	R. L. Polk & Co.	Image pg. A20
	Vacant	R. L. Polk & Co.	Image pg. A20
	Vacant	R. L. Polk & Co.	Image pg. A20
	Vacant	R. L. Polk & Co.	Image pg. A20
	Fobian Velma C	R. L. Polk & Co.	Image pg. A20
	Jerau Teresa F	R. L. Polk & Co.	Image pg. A20
	Hardy Lawrence A	R. L. Polk & Co.	Image pg. A20
	Leyva Dona G	R. L. Polk & Co.	Image pg. A20
1970	KEATS MANOR APTS	John M. Ducy	
	HARRIS FRANK	John M. Ducy	
	ALEXANDER MARVIN L	John M. Ducy	
	WAYMAN SAML E	John M. Ducy	
	PREAMEUX FRED	John M. Ducy	
	HANSON BARRY	John M. Ducy	
	COLEMAN ALEXIS MRS	John M. Ducy	
	COMPTON DAVID	John M. Ducy	
	MC COY VESTINA L MRS	John M. Ducy	
1966	KEATS MANOR APTS	R. L. Polk & Co.	Image pg. A26
	VACANT	R. L. Polk & Co.	Image pg. A26
	PAGLIA WM	R. L. Polk & Co.	Image pg. A26
	PRICE DAVID	R. L. Polk & Co.	Image pg. A26
	SUTTER ARLEEN M	R. L. Polk & Co.	Image pg. A26
	MC INTYRE JACKOUELINE	R. L. Polk & Co.	Image pg. A26

FINDINGS

Year	Uses	Source	
1966	SARTORI HOWARD	R. L. Polk & Co.	Image pg. A26
	ROBERTS ZONNA MRS	R. L. Polk & Co.	Image pg. A26
	MC COY VESTINA MRS	R. L. Polk & Co.	Image pg. A26
1961	Vacant	R. L. Polk & Co.	Image pg. A30
1960	Holloway Ida E	The Pacific Telephone Telegraph Co.	
1955	Holloway Isa E	R. L. Polk & Co.	
1952	Hollaway Isa E	R. L. Polk & Co. of California	Image pg. A34
1948	Vacant	San Diego Directory Co.	Image pg. A37
1943	Baker W S	San Diego Directory Co.	Image pg. A40
1938	Reves J C	San Diego Directory Co.	Image pg. A42

2811 KEATS ST

Year	Uses	Source	
1970	DICK CHARLES M	John M. Ducy	
1966	KILGORE EVAN A	R. L. Polk & Co.	Image pg. A26
1961	Hurst Donald B	R. L. Polk & Co.	Image pg. A30
1960	Hurst Donald B	The Pacific Telephone Telegraph Co.	
1955	Hurst Donald B	R. L. Polk & Co.	
1952	Mac Donald Norman	R. L. Polk & Co. of California	Image pg. A34
1948	Macdonald N L	San Diego Directory Co.	Image pg. A37
1943	Mac Donald N L	San Diego Directory Co.	Image pg. A40
1938	Mac Donald N T	San Diego Directory Co.	Image pg. A42
1933	Mac Donald N L	San Diego Directory Co.	Image pg. A44

2812 KEATS ST

Year	Uses	Source
2017	OFELIA ALVARADO	Cole Information Services
	JANE DULONG	Cole Information Services
	KEVIN FLEMING	Cole Information Services
	KIMBERLY DAVIS	Cole Information Services
	ANDREA WISE	Cole Information Services
	DAVID ORSTROM	Cole Information Services
	EDDIE GONZALES	Cole Information Services
2014	EDDIE GONZALES	Cole Information Services

FINDINGS

Year	Uses	Source	
2014	ANDREA WISE	Cole Information Services	
	TONI DIMON	Cole Information Services	
	MARIA ALVARADO	Cole Information Services	
	PHILIP EVANS	Cole Information Services	
	LEON HUGHES	Cole Information Services	
	KIMBERLY DAVIS	Cole Information Services	
2009	WILLIAM PUGLIESE	Cole Information Services	
	EDDIE GONZALES	Cole Information Services	
2006	MINARDAntone	Haines Company, Inc.	
2004	KANA IGARASHI	Cole Information Services	
	WILLIAM SANTOS	Cole Information Services	
	JEANE DONOGHUE	Cole Information Services	
	FAUD MAKHMUDOV	Cole Information Services	
	ROSALIND KOVACS	Cole Information Services	
2000	SANTOS Wm P	Haines & Company	Image pg. A3
1999	EDDIE GONZALES	Cole Information Services	
	WILLIAM PUGLIESE	Cole Information Services	
1994	CORVERA, EDUARDO M	Cole Information Services	
	SEEVERS, ELMER R	Cole Information Services	
1992	Morey Michael R	PACIFIC BELL WHITE PAGES	
	Santos Wm P	PACIFIC BELL WHITE PAGES	
	Santoso C	PACIFIC BELL WHITE PAGES	
	Santosuosso M	PACIFIC BELL WHITE PAGES	
	Santo Tomas Federico	PACIFIC BELL WHITE PAGES	
1989	Santos Wm P	Cole Information Services	
	Taylor Stephen L	Cole Information Services	
1984	Apartments	R. L. Polk & Co.	Image pg. A8
	Vacant	R. L. Polk & Co.	Image pg. A8
	Diehl Stacey J	R. L. Polk & Co.	Image pg. A8
	Vacant	R. L. Polk & Co.	Image pg. A8
	Santos Wm P	R. L. Polk & Co.	Image pg. A8
	Aflague Lourdes	R. L. Polk & Co.	Image pg. A8

FINDINGS

Year	Uses	Source	
1984	Hainey F	R. L. Polk & Co.	Image pg. A8
	Aldrich M	R. L. Polk & Co.	Image pg. A8
1980	N Frasier Shane S	R. L. Polk & Co.	Image pg. A13
	N Perez Nestor	R. L. Polk & Co.	Image pg. A13
	Apartments	R. L. Polk & Co.	Image pg. A13
	Hamilton Richard P	R. L. Polk & Co.	Image pg. A13
	N Hoffmann Lennart	R. L. Polk & Co.	Image pg. A13
	Jorgenaen Michi J	R. L. Polk & Co.	Image pg. A13
	Vacant	R. L. Polk & Co.	Image pg. A13
	N Flores Nestor	R. L. Polk & Co.	Image pg. A13
1975	Apartments	R. L. Polk & Co.	Image pg. A20
	Jordan Cecil	R. L. Polk & Co.	Image pg. A20
	Russell Mary A	R. L. Polk & Co.	Image pg. A20
	Sebastiani Nick	R. L. Polk & Co.	Image pg. A20
	Gunn John	R. L. Polk & Co.	Image pg. A20
	Spruce Charlene V	R. L. Polk & Co.	Image pg. A20
	Venuto Anthony	R. L. Polk & Co.	Image pg. A20
	Di Beneditto Adelina Mrs	R. L. Polk & Co.	Image pg. A20
1970	MERCADO FERNANDO E	John M. Ducy	
	VIRAMONTES ROBT	John M. Ducy	
	APARTMENTS	John M. Ducy	
	WESTON STEPH K	John M. Ducy	
	DORNOES ROY	John M. Ducy	
	THOMPSON SCOTT	John M. Ducy	
	BARKER BERNIE	John M. Ducy	
	VAN DERLINDEN BETTY	John M. Ducy	
1966	APARTMENTS	R. L. Polk & Co.	Image pg. A26
	BURROWS WM G JR	R. L. Polk & Co.	Image pg. A26
	BOYD CALVIN	R. L. Polk & Co.	Image pg. A26
	BYRON GEO H	R. L. Polk & Co.	Image pg. A26
	PRICE ANN	R. L. Polk & Co.	Image pg. A26
	VACANT	R. L. Polk & Co.	Image pg. A26

Year	Uses	Source	
1966	JONES WM	R. L. Polk & Co.	Image pg. A26
	SIRAND MONIQUE	R. L. Polk & Co.	Image pg. A26

2821 KEATS ST

Year	Uses	Source	
2017	ROBERT WILHELM	Cole Information Services	
	NATALIYA RATOSH	Cole Information Services	
	MICHAEL PITTMAN	Cole Information Services	
	PILAR MARQUEZ	Cole Information Services	
	ELAYNE KNAUER	Cole Information Services	
	BRENDAN COTTER	Cole Information Services	
	CHRISTY SANTOS	Cole Information Services	
2014	JESSE DUSABLON	Cole Information Services	
	CINDY IZADI	Cole Information Services	
	MAX MAHER	Cole Information Services	
	MICHAEL PITTMAN	Cole Information Services	
2009	ANTICA CHROMAN	Cole Information Services	
	FRED PARK	Cole Information Services	
	SAMUEL ROJAS	Cole Information Services	
2006	GROUP CHROMANAntica	Haines Company, Inc.	
	MANAGEMENT	Haines Company, Inc.	
	BLUE RIVER	Haines Company, Inc.	
2004	ANTHONY BOWNES	Cole Information Services	
	JENNIFER CIMARUSTI	Cole Information Services	
	SUSAN MECODANGELO	Cole Information Services	
2000	MURRAY Sue	Haines & Company	Image pg. A3
	KUBISHTA Bryan	Haines & Company	Image pg. A3
	GROSS Roy	Haines & Company	Image pg. A3
1999	SAMUEL ROJAS	Cole Information Services	
	ANTICA CHROMAN	Cole Information Services	
	FRED PARK	Cole Information Services	
1994	DUMAINE, ANDRE	Cole Information Services	
	BARTHEL, G	Cole Information Services	

FINDINGS

Year	***Uses***	***Source***	
1994	FISCHER, JOSEPH	Cole Information Services	
	GREECY, ALFRED	Cole Information Services	
1992	Mc Gow an Paul	PACIFIC BELL WHITE PAGES	
	Barthel Georgeana	PACIFIC BELL WHITE PAGES	
	Dumaine Andre	PACIFIC BELL WHITE PAGES	
	Greecy Alfred	PACIFIC BELL WHITE PAGES	
	Greed C	PACIFIC BELL WHITE PAGES	
	Gross Roy	PACIFIC BELL WHITE PAGES	
	Marsh M	PACIFIC BELL WHITE PAGES	
	Mc Gow an Patrick J	PACIFIC BELL WHITE PAGES	
1989	Dockter M E	Cole Information Services	
	Finan John J	Cole Information Services	
	Gross Roy	Cole Information Services	
1984	Ring J	R. L. Polk & Co.	Image pg. A8
	Cullinan Eliz K	R. L. Polk & Co.	Image pg. A8
	Apartments	R. L. Polk & Co.	Image pg. A8
	Fisher R	R. L. Polk & Co.	Image pg. A8
	Willis Alw yn	R. L. Polk & Co.	Image pg. A8
	Jones M	R. L. Polk & Co.	Image pg. A8
	Sherman Joel H	R. L. Polk & Co.	Image pg. A8
	Rhoades Golda S Mrs	R. L. Polk & Co.	Image pg. A8
	Akers Kathleen	R. L. Polk & Co.	Image pg. A8
	Tunney Stanley N	R. L. Polk & Co.	Image pg. A8
	Sharp L	R. L. Polk & Co.	Image pg. A8
	Gross Roy R	R. L. Polk & Co.	Image pg. A8
1980	Apartments	R. L. Polk & Co.	Image pg. A13
	I N Sow ersby N	R. L. Polk & Co.	Image pg. A13
	N Bow den Jan T	R. L. Polk & Co.	Image pg. A13
	N Jones M	R. L. Polk & Co.	Image pg. A13
	Katsuyama David M	R. L. Polk & Co.	Image pg. A13
	N Rhoades Golda S Mrs	R. L. Polk & Co.	Image pg. A13
	Sherman Joel H	R. L. Polk & Co.	Image pg. A13

FINDINGS

Year	Uses	Source	
1980	N Racine John D	R. L. Polk & Co.	Image pg. A13
	N Sharp L	R. L. Polk & Co.	Image pg. A13
	Gross Roy R	R. L. Polk & Co.	Image pg. A13
	Thomas How ard W	R. L. Polk & Co.	Image pg. A13
	Cullinan Eliz K	R. L. Polk & Co.	Image pg. A13
1975	Melton J B	R. L. Polk & Co.	Image pg. A20
	Apartments	R. L. Polk & Co.	Image pg. A20
	Hayes Edna	R. L. Polk & Co.	Image pg. A20
	Fernande Robt C	R. L. Polk & Co.	Image pg. A20
	Katsuyama David M	R. L. Polk & Co.	Image pg. A20
	Rhoads Golda S Mrs	R. L. Polk & Co.	Image pg. A20
	De Grave Robt J	R. L. Polk & Co.	Image pg. A20
	Sherman Joel H	R. L. Polk & Co.	Image pg. A20
	Hill Fredk A	R. L. Polk & Co.	Image pg. A20
	Dubbs David R	R. L. Polk & Co.	Image pg. A20
	Thomas How ard W	R. L. Polk & Co.	Image pg. A20
	Bishop Walter B	R. L. Polk & Co.	Image pg. A20

2823 KEATS ST

Year	Uses	Source	
2000	No Current Listing	Haines & Company	Image pg. A3
1970	VACANT	John M. Ducy	
1966	RANSOM DONOVAN JR	R. L. Polk & Co.	Image pg. A26
1961	Ransom Donavan	R. L. Polk & Co.	Image pg. A30
1955	Gibbons M M	R. L. Polk & Co.	
1952	Gibbons M M Mrs	R. L. Polk & Co. of California	Image pg. A34
1948	Gibbons Maude Mrs	San Diego Directory Co.	Image pg. A37
1945	Harris Chancey r	San Diego Directory Co.	

2826 KEATS ST

Year	Uses	Source	
2000	No Current Listing	Haines & Company	Image pg. A3
1970	CASA VERDE APTS	John M. Ducy	
	STORM JOHN	John M. Ducy	

FINDINGS

Year	Uses	Source	
1970	Y 6 SNODORASS RICHD	John M. Ducy	
1966	HOUGH JAMES	R. L. Polk & Co.	Image pg. A26
	CASA VERDE APTS	R. L. Polk & Co.	Image pg. A26
	GAVIN RICHD	R. L. Polk & Co.	Image pg. A26
1961	Vacant	R. L. Polk & Co.	Image pg. A30
	1/2 Vacant	R. L. Polk & Co.	Image pg. A30
1960	Currie Joyce	The Pacific Telephone Telegraph Co.	
	Moeser W C	The Pacific Telephone Telegraph Co.	

2827 KEATS ST

Year	Uses	Source	
2017	SABRINA SELLAN	Cole Information Services	
	MARK FREEMAN	Cole Information Services	
	DAVE WITT	Cole Information Services	
	HAYLEY RAFNER	Cole Information Services	
2014	JOHN JOHNSON	Cole Information Services	
	LARRY RUSSELL	Cole Information Services	
	MARK FREEMAN	Cole Information Services	
	LUZ LUNA	Cole Information Services	
	DAVE WITT	Cole Information Services	
2009	MARK FREEMAN	Cole Information Services	
	LARA SPEIRS	Cole Information Services	
	RENATA AIDAR	Cole Information Services	
2006	o FREEMAN Mark S	Haines Company, Inc.	
2004	MARK FREEMAN	Cole Information Services	
	ALFRED CHANDLER	Cole Information Services	
	MARIA C MARCANO	Cole Information Services	
	MARIA MARCANO	Cole Information Services	
	WENDY DELEDDA	Cole Information Services	
2000	FREEMAN Mark S	Haines & Company	Image pg. A3
	RUFFIN Gerearon	Haines & Company	Image pg. A3
1999	RENATA AIDAR	Cole Information Services	
	LARA SPEIRS	Cole Information Services	

FINDINGS

Year	Uses	Source	
1999	MARK FREEMAN	Cole Information Services	
1994	POINTS, SHANE M	Cole Information Services	
	BROWN, MICHEAL	Cole Information Services	
1992	Points Shane M & Tonya	PACIFIC BELL WHITE PAGES	
1989	Jenkins V	Cole Information Services	
1984	Apartments	R. L. Polk & Co.	Image pg. A8
	Brashear James	R. L. Polk & Co.	Image pg. A8
	Salazar M	R. L. Polk & Co.	Image pg. A8
	Gam Nancy	R. L. Polk & Co.	Image pg. A8
	Johnson Dave	R. L. Polk & Co.	Image pg. A8
	Ruby Mark	R. L. Polk & Co.	Image pg. A8
	Lesher Randall	R. L. Polk & Co.	Image pg. A8
	Harnack James A	R. L. Polk & Co.	Image pg. A8
1980	Apartments	R. L. Polk & Co.	Image pg. A13
	N Polega Genevieve	R. L. Polk & Co.	Image pg. A13
	N Cooley Robt P	R. L. Polk & Co.	Image pg. A13
	N Bradford Mark	R. L. Polk & Co.	Image pg. A13
	Sw eat Clyde	R. L. Polk & Co.	Image pg. A13
	N Romano Rip	R. L. Polk & Co.	Image pg. A13
	N Disney Debbie	R. L. Polk & Co.	Image pg. A13
	Harnack James A	R. L. Polk & Co.	Image pg. A13
1975	Apartments	R. L. Polk & Co.	Image pg. A20
	Overtruf Charles E	R. L. Polk & Co.	Image pg. A20
	Davis Gary L	R. L. Polk & Co.	Image pg. A20
	Vacant	R. L. Polk & Co.	Image pg. A20
	Richards Charles F	R. L. Polk & Co.	Image pg. A20
1970	NEPRUD LEIF	John M. Ducy	
	HOLMES ROBT	John M. Ducy	
	BLACK CHARLES	John M. Ducy	
	STRAVALEXIS DEO	John M. Ducy	
	BARCSCZESKI PETER	John M. Ducy	
	WILSON WANDA	John M. Ducy	

FINDINGS

Year	Uses	Source	
1970	I FOWLES JOSEPH J	John M. Ducy	
	LONG ENID F APARTMENTS	John M. Ducy	
1966	LONG ENID F APARTMENTS	R. L. Polk & Co.	Image pg. A26
	HOFFER RUTH MRS	R. L. Polk & Co.	Image pg. A26
	NAGEL ALLEN	R. L. Polk & Co.	Image pg. A26
	BORGER JACK	R. L. Polk & Co.	Image pg. A26
	VACANT	R. L. Polk & Co.	Image pg. A26
	LEWIS JAMES B	R. L. Polk & Co.	Image pg. A26
	STROMBERG JOSEPH	R. L. Polk & Co.	Image pg. A26
	LONG ENID F MRS	R. L. Polk & Co.	Image pg. A26
1961	Vacant	R. L. Polk & Co.	Image pg. A30
1952	Mc Call Carmen	R. L. Polk & Co. of California	Image pg. A34
1948	Mc Call Carner Mrs	San Diego Directory Co.	Image pg. A37
1945	Mc Call Carmen r	San Diego Directory Co.	
1943	Mc Call C L	San Diego Directory Co.	Image pg. A40
1938	Mc Call Claude	San Diego Directory Co.	Image pg. A42
1933	Beach I B	San Diego Directory Co.	Image pg. A44

2828 KEATS ST

Year	Uses	Source	
1970	LUCERO JUAN M	John M. Ducy	
	NO RETURN	John M. Ducy	
1966	GLEASON JOHN A	R. L. Polk & Co.	Image pg. A26
	CRAMER SANDRA	R. L. Polk & Co.	Image pg. A26
1961	1/2 Preston Herbert A	R. L. Polk & Co.	Image pg. A30
	Mc Clenahan Jerome	R. L. Polk & Co.	Image pg. A30
1960	Sterzer E A	The Pacific Telephone Telegraph Co.	
	Sterzer Fran	The Pacific Telephone Telegraph Co.	

2830 KEATS ST

Year	Uses	Source
2017	MONICA DILLARD	Cole Information Services
	ELISE WATERS	Cole Information Services
	THOMAS HEIN	Cole Information Services

FINDINGS

Year	Uses	Source	
2017	ASYIA SALEHI	Cole Information Services	
	DAWN DUGAL	Cole Information Services	
	BRYON COWART	Cole Information Services	
	PETER OTOOLE	Cole Information Services	
	ESTEBAN HOLGUIN	Cole Information Services	
	HELEN BUFFINGTON	Cole Information Services	
2014	KEVIN LIVINGSTON	Cole Information Services	
	BRYON COWART	Cole Information Services	
	KENNETH MARBLE	Cole Information Services	
	THOMAS HEIN	Cole Information Services	
	ALBERT MEYERS	Cole Information Services	
	PETER CRAVOTTA	Cole Information Services	
	MONICA DILLARD	Cole Information Services	
2009	J GARDER	Cole Information Services	
	STEVEN ROSS	Cole Information Services	
	THOMAS HEIN	Cole Information Services	
	THOMAS HEIN ENTERPRISES	Cole Information Services	
	BYRON COWART YACHT MANAGEMENT	Cole Information Services	
	BRYON COWART	Cole Information Services	
2006	o COWART Byron J	Haines Company, Inc.	
2004	BRYON COWART	Cole Information Services	
	ROBIN COFFMAN	Cole Information Services	
	RICHARD BROWDER	Cole Information Services	
	STEVEN ROSS	Cole Information Services	
	DAN SILVERSTEEN	Cole Information Services	
	LEE ADAMS	Cole Information Services	
2000	RUIZ Peler	Haines & Company	Image pg. A3
	SIMONEAUG Robl Jr	Haines & Company	Image pg. A3
	WHITE Denie	Haines & Company	Image pg. A3
1999	J GARDER	Cole Information Services	
	BRYON COWART	Cole Information Services	
	STEVEN ROSS	Cole Information Services	

FINDINGS

Year	Uses	Source	
1999	THOMAS HEIN	Cole Information Services	
1994	DIETRICH, STEVE	Cole Information Services	
	ROBB, DARREN J	Cole Information Services	
	FULLINGTON, GERRY	Cole Information Services	
1992	Dietsch Andy..	PACIFIC BELL WHITE PAGES	
	Fullington Gerry	PACIFIC BELL WHITE PAGES	
	Fullington V	PACIFIC BELL WHITE PAGES	
	Dietrich Steve & Wendy	PACIFIC BELL WHITE PAGES	
	Dietrich T	PACIFIC BELL WHITE PAGES	
	Dietrick John A Jr................	PACIFIC BELL WHITE PAGES	
	Dietrick Michael & Stephanie	PACIFIC BELL WHITE PAGES	
1989	Cannon Dorann	Cole Information Services	
	Mueller Thomas	Cole Information Services	
	Parsons H Kenw ood	Cole Information Services	
	Trenkle J R	Cole Information Services	
1984	Casa Verde apts	R. L. Polk & Co.	Image pg. A8
	A Ilariucci E	R. L. Polk & Co.	Image pg. A8
	B Robinson Henry	R. L. Polk & Co.	Image pg. A8
	C Cramer Patrick	R. L. Polk & Co.	Image pg. A8
	D How ell P	R. L. Polk & Co.	Image pg. A8
	E Siems Mark A	R. L. Polk & Co.	Image pg. A8
	F Graybush L	R. L. Polk & Co.	Image pg. A8
	G Burris Wm M	R. L. Polk & Co.	Image pg. A8
	J Cook Thos	R. L. Polk & Co.	Image pg. A8
	K Watts Curtis	R. L. Polk & Co.	Image pg. A8
	L Rellinger Daw n	R. L. Polk & Co.	Image pg. A8
	M Winner Hal S	R. L. Polk & Co.	Image pg. A8
1980	D N Porquez Genevieve	R. L. Polk & Co.	Image pg. A13
	E N Siems Mark A	R. L. Polk & Co.	Image pg. A13
	F N Midland Steven	R. L. Polk & Co.	Image pg. A13
	G Winner Hal S	R. L. Polk & Co.	Image pg. A13
	N Watts Curtis W	R. L. Polk & Co.	Image pg. A13

FINDINGS

Year	Uses	Source	
1980	J Jameson Ralph	R. L. Polk & Co.	Image pg. A14
	K Wells Rodney	R. L. Polk & Co.	Image pg. A14
	L N Miller Leroy Jr	R. L. Polk & Co.	Image pg. A14
	M Dorsey Bobbie J Mrs	R. L. Polk & Co.	Image pg. A14
	Casa Verde apts	R. L. Polk & Co.	Image pg. A13
	A N Herdendorf Lynn	R. L. Polk & Co.	Image pg. A13
	B N Lucas Luanne M	R. L. Polk & Co.	Image pg. A13
	C N Mantle Robt V	R. L. Polk & Co.	Image pg. A13
1975	Casa Verde apts	R. L. Polk & Co.	Image pg. A20
	C De Mott Barbara Mrs	R. L. Polk & Co.	Image pg. A20
	J Vacant	R. L. Polk & Co.	Image pg. A20
1970	MARQUES RICHD	John M. Ducy	
	LAKES PHILLIP	John M. Ducy	
1966	FISHER ASTRID A MRS	R. L. Polk & Co.	Image pg. A26
	TODD MARY E	R. L. Polk & Co.	Image pg. A26
1961	Wilson Dw ayne E	R. L. Polk & Co.	Image pg. A30
	1/2 Fisher Lucille M Mrs	R. L. Polk & Co.	Image pg. A30
1960	Rasmus R L Dr	The Pacific Telephone Telegraph Co.	
	Serkow ich Hal B	The Pacific Telephone Telegraph Co.	

2832 KEATS ST

Year	Uses	Source	
1970	HICKS DAVID	John M. Ducy	
	B DESIRA EMMANUEL F	John M. Ducy	
1966	OSMONDSON MARGO MRS	R. L. Polk & Co.	Image pg. A26
	FITZSIMMONS WM	R. L. Polk & Co.	Image pg. A26
1961	1/2 Gilfoil Wm J	R. L. Polk & Co.	Image pg. A30
	Goings Wilber E	R. L. Polk & Co.	Image pg. A30

2834 KEATS ST

Year	Uses	Source	
1970	K COX JAMES	John M. Ducy	
	WHITAKER KENT P	John M. Ducy	
1966	GALLAWAY GEORGIA	R. L. Polk & Co.	Image pg. A26

FINDINGS

Year	Uses	Source	
1966	MC ARDLE JOHN P	R. L. Polk & Co.	Image pg. A26
1961	1/2 Morgan K Ronald	R. L. Polk & Co.	Image pg. A30
	Agnitsch Gerald H	R. L. Polk & Co.	Image pg. A30
1960	Rubsam Pierre F	The Pacific Telephone Telegraph Co.	
	Barr Marianne	The Pacific Telephone Telegraph Co.	
	Burson Evelyn	The Pacific Telephone Telegraph Co.	
1948	Vacant	San Diego Directory Co.	Image pg. A37
	1/2 Vacant	San Diego Directory Co.	Image pg. A37
1943	Muench A E	San Diego Directory Co.	Image pg. A40
	Mullen Jos	San Diego Directory Co.	Image pg. A40
1938	1/2 Smith T K	San Diego Directory Co.	Image pg. A42
	Mondary Everett	San Diego Directory Co.	Image pg. A42
	Block Henry	San Diego Directory Co.	Image pg. A42
1933	1/2 Major Frank	San Diego Directory Co.	Image pg. A44
	Vacant	San Diego Directory Co.	Image pg. A44

2836 KEATS ST

Year	Uses	Source	
1970	& KOENIOSTEIN C T	John M. Ducy	
	SCHENCK JOHN B	John M. Ducy	
1966	CARLSON STEVEN G	R. L. Polk & Co.	Image pg. A26
	STONE CLARENCE E	R. L. Polk & Co.	Image pg. A26
1961	1/2 Yates Carol E	R. L. Polk & Co.	Image pg. A30
	Holmes Jos R	R. L. Polk & Co.	Image pg. A30

2838 KEATS ST

Year	Uses	Source
2017	JEFFREY TUBBS	Cole Information Services
2014	PATRICK SECREST	Cole Information Services
	JEFFREY TUBBS	Cole Information Services
2009	PATRICK SECREST	Cole Information Services
	RAQUEL URIBE	Cole Information Services
	CASSIDY SITTER	Cole Information Services
	FRANKIE OXENDINE	Cole Information Services

FINDINGS

Year	Uses	Source	
2006	No Current Listing	Haines Company, Inc.	
2004	BARBARA KNIGHT	Cole Information Services	
	JOSEPH LIVESAY	Cole Information Services	
	GEORGE HAWES	Cole Information Services	
2000	PITTMAN Michael L	Haines & Company	Image pg. A3
	GARZA Griselda	Haines & Company	Image pg. A3
	FISH Scott	Haines & Company	Image pg. A3
1999	CASSIDY SITTER	Cole Information Services	
	FRANKIE OXENDINE	Cole Information Services	
	RAQUEL URIBE	Cole Information Services	
	PATRICK SECREST	Cole Information Services	
1989	Macfarlane Mavis	Cole Information Services	
	Mac Farlane & Mac Farlane Property Investment	Cole Information Services	
	Tolley John	Cole Information Services	
1984	D Pettersen Michl	R. L. Polk & Co.	Image pg. A8
	C Blackman Steven	R. L. Polk & Co.	Image pg. A8
	B Harritt Sherry	R. L. Polk & Co.	Image pg. A8
	A Lopez Lupe	R. L. Polk & Co.	Image pg. A8
	Apartments	R. L. Polk & Co.	Image pg. A8
1980	D N Patrouch Lance	R. L. Polk & Co.	Image pg. A14
	C N Blackman Steven	R. L. Polk & Co.	Image pg. A14
	Apartments	R. L. Polk & Co.	Image pg. A14
	A N Coleman Steve R	R. L. Polk & Co.	Image pg. A14
	B N Lopez Lupe	R. L. Polk & Co.	Image pg. A14
1970	RANKIN R H	John M. Ducy	
1966	VACANT	R. L. Polk & Co.	Image pg. A26
1955	De La Paz Arthur	R. L. Polk & Co.	
1952	De La Paz Arth	R. L. Polk & Co. of California	Image pg. A34
1948	Wilson B D	San Diego Directory Co.	Image pg. A37
1943	Kightlinger G M	San Diego Directory Co.	Image pg. A40
1938	Kightllnger G M Co	San Diego Directory Co.	Image pg. A42
1933	Kightlinger G M	San Diego Directory Co.	Image pg. A44

FINDINGS

2840 KEATS ST

Year	*Uses*	*Source*	
2000	No Current Listing	Haines & Company	Image pg. A3
1970	B ODOM RALPH E	John M. Ducy	
	APARTMENTS	John M. Ducy	
	A WILKINSON ROET	John M. Ducy	
	D VACANT	John M. Ducy	
	C BURKE HELEN MRS	John M. Ducy	
1966	WALLACE ROBT B	R. L. Polk & Co.	Image pg. A26
1961	Morgan K Ronald	R. L. Polk & Co.	Image pg. A30
1955	Headley A C	R. L. Polk & Co.	
1952	Hodges F S	R. L. Polk & Co. of California	Image pg. A34
1948	Vacant	San Diego Directory Co.	Image pg. A37

2844 KEATS ST

Year	*Uses*	*Source*	
2014	OCCUPANT UNKNOWN	Cole Information Services	
2009	OCCUPANT UNKNOWN	Cole Information Services	
2006	x SCOTT ST	Haines Company, Inc.	
	No Current Listing	Haines Company, Inc.	
2000	No Current Listing	Haines & Company	Image pg. A3
1984	Heyniger Wm M	R. L. Polk & Co.	Image pg. A8
1980	Hirst Wm B III	R. L. Polk & Co.	Image pg. A14
1975	Montoya Walter B	R. L. Polk & Co.	Image pg. A20
1970	GRAY JEANIE MRS	John M. Ducy	
1966	LEGER ALAN H	R. L. Polk & Co.	Image pg. A26
1961	Davis Peter Q	R. L. Polk & Co.	Image pg. A30
1960	Miller Chrystal E Mrs	The Pacific Telephone Telegraph Co.	
1955	Field W B	R. L. Polk & Co.	
1952	Field W B	R. L. Polk & Co. of California	Image pg. A34
1948	Sacrenty K G	San Diego Directory Co.	Image pg. A37

FINDINGS

N HARBOR DR

4823 N HARBOR DR

Year	Uses	Source	
2006	BUTLER CHEVRON	Haines Company, Inc.	
2004	BUTLER CHEVRON	Cole Information Services	
	OCCUPANT UNKNOWN	Cole Information Services	
2000	BUTLER CHEVRON	Haines & Company	Image pg. A1
	BUTLER Joseph A	Haines & Company	Image pg. A1
1999	BUTLER CHEVRON	Cole Information Services	
1994	BUTLER CHEVRON	Cole Information Services	
1992	Butler Chevron	PACIFIC BELL WHITE PAGES	

4855 N HARBOR DR

Year	Uses	Source	
2000	No Current Listing	Haines & Company	Image pg. A1

4865 N HARBOR DR

Year	Uses	Source	
2017	POINT LOMA CAFE	Cole Information Services	
	BAYSIDE BAR	Cole Information Services	
2014	POINT LOMA CAFE	Cole Information Services	
	BAYSIDE BOTTLE SHOP	Cole Information Services	
	BAYSIDE BAR	Cole Information Services	
2009	POINT LOMA CAFE	Cole Information Services	
2006	POINT LOMA CAFE	Haines Company, Inc.	
	BAYSIDE BAR THE	Haines Company, Inc.	
2000	BAYSIDEBARTHE	Haines & Company	Image pg. A1
	RED HEN CENTERY	Haines & Company	Image pg. A1
	KTCHN	Haines & Company	Image pg. A1
1999	BAYSIDE BAR THE	Cole Information Services	
	RED HEN COUNTRY KITCHEN	Cole Information Services	
1994	RED HEN COUNTRY KITCHEN	Cole Information Services	

FINDINGS

4873 N HARBOR DR

Year	Uses	Source	
2000	No Current Listing	Haines & Company	Image pg. A1
1994	LOST KNIGHT	Cole Information Services	
1992	Lost Knight The	PACIFIC BELL WHITE PAGES	

4875 N HARBOR DR

Year	Uses	Source	
2017	INERGY LOCKSMITH	Cole Information Services	
	BAYSIDE BOTTLE SHOP	Cole Information Services	
	BARTELL	Cole Information Services	
	HOLIDAY INN	Cole Information Services	
	SAN DIEGO CENTRAL RESERVATIONS	Cole Information Services	
	BARTELL HOTELS	Cole Information Services	
	AUTO REPAIR & SERVICE	Cole Information Services	
	HOLIDAY INN SAN DIEGO BAYSIDE	Cole Information Services	
2014	BARTELL HOTELS	Cole Information Services	
	HOLIDAY INN	Cole Information Services	
	SAN DIEGO CENTRAL RESERVATIONS	Cole Information Services	
2006	HOLIDAY ININ SAN	Haines Company, Inc.	
	BARTELL HOTELS	Haines Company, Inc.	
	LIQUOR SEAPOINT BOTTLE	Haines Company, Inc.	
	GO SANDN SEA	Haines Company, Inc.	
2004	ROBERT AMARO	Cole Information Services	
	LEE BARTELL FOUNDATION	Cole Information Services	
	HOLIDAY INN SAN DIEGO BAYSIDE	Cole Information Services	
	SEAPOINT BOTTLE SHOP	Cole Information Services	
	BARTELL HOTELS	Cole Information Services	
2000	SEAPOINT BOTTLESHP	Haines & Company	Image pg. A1
	SANDN SEA LIQUOR	Haines & Company	Image pg. A1
	RESERVOTEL	Haines & Company	Image pg. A1
	HOLIDAY INNSAN DGO	Haines & Company	Image pg. A1
	BARTELL HOTELS	Haines & Company	Image pg. A1
1999	OCCUPANT UNKNOWN	Cole Information Services	

FINDINGS

Year	Uses	Source
1999	BARTELL HOTELS	Cole Information Services
	SEAPOINT BOTTLE SHOP	Cole Information Services
	RESERVOTEL	Cole Information Services
	SAND N SEA LIQUOR	Cole Information Services
1994	SEAPOINT HOTEL	Cole Information Services
	RESERVOTEL	Cole Information Services
	BARTELL HOTELS	Cole Information Services
	SEAPOINT BOTTLE SHP	Cole Information Services
1992	S E APOIN T HOTE L	PACIFIC BELL WHITE PAGES
	Seapoint Bottle Shop	PACIFIC BELL WHITE PAGES
	Sandn Sea Liquor	PACIFIC BELL WHITE PAGES
	Resetco James & Jean	PACIFIC BELL WHITE PAGES
	Reservotel	PACIFIC BELL WHITE PAGES
	Bartell Kyle W.......................	PACIFIC BELL WHITE PAGES
	Bartell Jas P & Elaine	PACIFIC BELL WHITE PAGES
	BARTE LL HOTE LS	PACIFIC BELL WHITE PAGES

4904 N HARBOR DR

Year	Uses	Source
2017	MARC INC	Cole Information Services
2014	GLOBAL CHEMICAL	Cole Information Services
	MARC INC	Cole Information Services
	SHUMAKER T A JR AIA	Cole Information Services
	T SHUMAKER	Cole Information Services
	AMERICAN SEA FOOD CO	Cole Information Services
	AMERICAN COMMUNICATION ENGLISH	Cole Information Services
2009	AMERICAN SEA FOOD CO INC	Cole Information Services
	DRISCOLL YACHT & SHIP BROKERAGE	Cole Information Services
	T A SHUMAKER JR AIA	Cole Information Services
	AMERICAN COMMUNICATION ENGLISH	Cole Information Services
2004	AMERICAN SEA FOOD CO	Cole Information Services
	MITCH HOBRON	Cole Information Services
	RONALD YOUNG	Cole Information Services

FINDINGS

Year	Uses	Source	
2004	DON GILBERT	Cole Information Services	
	GLOBAL AMERICAN LNGG INSTTT	Cole Information Services	
	PCFC YACHT EMBRDRY & IMPRNTBL	Cole Information Services	
	MARITECH OCEAN RANCHING	Cole Information Services	
1999	PACIFIC YACHT EMBROIDERY & IMPRINTABLES	Cole Information Services	
	NAUT A CARE	Cole Information Services	
	CENTER FOR PERFORMANCE TECHNOLOGY	Cole Information Services	
	ACTION SIX PACK CHARTERS	Cole Information Services	
	MANSON CONSTRUCTION	Cole Information Services	
	MATSON MARITIME SCHOOL USCG EXAMS	Cole Information Services	
	GLOBAL AMERICAN LANGUAGE INSTITUTE	Cole Information Services	
	GILBERT DON	Cole Information Services	
	MARITECH INCORPORATED	Cole Information Services	
1994	GILBERT, DON	Cole Information Services	
	HOBRON, MITCH A	Cole Information Services	
	AMERICAN SEA FOOD CO	Cole Information Services	
	INTERNATIONAL MARINE SUPPLY	Cole Information Services	
	K WELTON GENERAL CONTRACTOR	Cole Information Services	
	FISHERMANS WHARF FISH MARKET	Cole Information Services	

4948 N HARBOR DR

Year	Uses	Source
2014	CHIEF DENNEY	Cole Information Services
2009	CHIEF DENNEY	Cole Information Services
1999	CHIEF DENNEY	Cole Information Services

4950 N HARBOR DR

Year	Uses	Source	
2000	PHILIPSERVICESINC	Haines & Company	Image pg. A1
1994	SAN DIEGO BOAT REPAIR	Cole Information Services	

FINDINGS

4960 N HARBOR DR

Year	Uses	Source	
2006	DRISCOLL WHARF	Haines Company, Inc.	
2000	DRISCOLL MARINA	Haines & Company	Image pg. A1
1999	SCOTT B JONES YACHT & SHIP BROKERS	Cole Information Services	
	ABEJON ROTARY POWER CORPORATION	Cole Information Services	
	DRISCOLL MARINA OFFICE	Cole Information Services	
1994	DRISCOLL MARINA	Cole Information Services	
	POINT LOMA CONSTRUCTORS	Cole Information Services	
	AMERICA CUBED FNDTN	Cole Information Services	
1992	America Cubed Foundation	PACIFIC BELL WHITE PAGES	

4975 N HARBOR DR

Year	Uses	Source	
2000	No Current Listing	Haines & Company	Image pg. A1
1960	Point Loma	The Pacific Telephone Telegraph Co.	
	POINT LOMA LUMBER CO	The Pacific Telephone Telegraph Co.	
1955	Point Loma Lumber Co	R. L. Polk & Co.	

4980 N HARBOR DR

Year	Uses	Source
2017	ROLAND TINOCO	Cole Information Services
	POINT LOMA MARINA	Cole Information Services
	MARINA SAILING	Cole Information Services
2014	KARLTON HARRIS	Cole Information Services
	PIER 32 MARINA	Cole Information Services
	POINT LOMA MARINA LLC	Cole Information Services
	BUSS PAUL	Cole Information Services

4990 N HARBOR DR

Year	Uses	Source
2017	JIMMYS FAMOUS AMERICAN TAVERN	Cole Information Services
	DISH NETWORK	Cole Information Services
	FRASER YACHTS	Cole Information Services
2014	DISH NETWORK	Cole Information Services

FINDINGS

Year	Uses	Source
2014	JIMMYS FAMOUS AMERICAN TAVERN	Cole Information Services
	FRASER YACHTS	Cole Information Services

5000 N HARBOR DR

Year	Uses	Source
2017	QUALIFIED YACHT BROKERAGE	Cole Information Services
	JONES WAYNE C YACHT & SHIP BROKER IN	Cole Information Services
	GRINDLE DANIEL WLAW OFFICES	Cole Information Services
2014	GRINDLE DANIEL WLAW OFFICES OF	Cole Information Services
	PACIFIC OCEAN MARINE INSURANCE BROKE	Cole Information Services
	BRAND SAVANTS INC	Cole Information Services
	JONES WAYNE C BROKER	Cole Information Services
	SUN HARBOR MARINA	Cole Information Services
	JONES WAYNE C YACHT & SHIP BROKER IN	Cole Information Services
2009	SUN HARBOR MARINA	Cole Information Services
	TIM BURKS	Cole Information Services
	METZGER DIRK	Cole Information Services
	QUALIFIED YACHT BROKERAGE INC	Cole Information Services
	CHAPMAN WOODWORKS	Cole Information Services
	LAW OFFICE OF DANIEL W GRINDLE	Cole Information Services
2006	KULPAEd	Haines Company, Inc.
	LAWOFC OF HINESMichael	Haines Company, Inc.
	LAWOFC OF GRINDLE DANIELW	Haines Company, Inc.
	GRINDLE DANIEL W	Haines Company, Inc.
	GRINDLE DANIEL W	Haines Company, Inc.
	CONSULTING SILVER MARK	Haines Company, Inc.
	ATTY MURPHYS MARINE	Haines Company, Inc.
	CONSULTING SUN HARBOR	Haines Company, Inc.
	ATTY METZGER DIRK	Haines Company, Inc.
	METZGERDIRK	Haines Company, Inc.
	CANVAS QUALIFIED YACHT	Haines Company, Inc.

FINDINGS

Year	Uses	Source	
2006	MARINA TULLOS George	Haines Company, Inc.	
	BROKERAGE INC QUALIFIED YACHT	Haines Company, Inc.	
	BROKERAGE INC SILVERMARK	Haines Company, Inc.	
1999	TIM BURKS	Cole Information Services	

5005 N HARBOR DR

Year	Uses	Source	
2017	BEST WESTERN	Cole Information Services	
	COPY MACHINES SERVICE & REPAIR	Cole Information Services	
2014	BEST WESTERN POSADA AT THE YACHT HAR	Cole Information Services	
	BEST WESTERN	Cole Information Services	
2009	REX INVESTMENT CO LTD	Cole Information Services	
	BEST WESTERN YACHT HARBOR HOTEL	Cole Information Services	
2006	BESTWSTRN PSOA	Haines Company, Inc.	
	THE YACHT HRBR	Haines Company, Inc.	
	BEST WESTERN AT	Haines Company, Inc.	
	ATTHEYCHTHR	Haines Company, Inc.	
2004	BEST WESTERN POSADA AT THE Y	Cole Information Services	
2000	BESTWESTERN	Haines & Company	Image pg. A1
	POSADA INN	Haines & Company	Image pg. A1
1999	BEST WESTERN POSADA AT THE YACHT HARBOR	Cole Information Services	
	BEST WESTERN POSADA AT THE YATCH HARBOR	Cole Information Services	
1994	BEST WESTERN INN	Cole Information Services	
1992	POS ADAIN N	PACIFIC BELL WHITE PAGES	
	BE S T W E S TE RN POS ADA IN N	PACIFIC BELL WHITE PAGES	

5043 N HARBOR DR

Year	Uses	Source	
2004	128 INC	Cole Information Services	
2000	NORTH CHINA RSTRNT	Haines & Company	Image pg. A1
1999	NORTH CHINA RESTAURANT	Cole Information Services	
1994	NORTH CHINA RESTAURANT	Cole Information Services	

FINDINGS

5050 N HARBOR DR

Year	Uses	Source
2017	MARVEL LOCKSMITH	Cole Information Services
	PIZZA NOVA	Cole Information Services
	LETS TALK HOOK UP INC	Cole Information Services
2014	LETS TALK HOOK UP INC	Cole Information Services
	PIZZA NOVA	Cole Information Services
2009	PIZZA NOVA	Cole Information Services
	LETS TALK HOOK UP INC	Cole Information Services
2006	TRIDENT FUNOING	Haines Company, Inc.
	CORPORATION	Haines Company, Inc.
	LETS TALK HOOK	Haines Company, Inc.
	UP INC PIZZANOVA	Haines Company, Inc.

5055 N HARBOR DR

Year	Uses	Source
2017	HARBOR MARINE INSURANCE AGENCY	Cole Information Services
	CALIFORNIA COUNSEL GROUP INC	Cole Information Services
	EXCEL LONGRANGE SPORTFISHING	Cole Information Services
	OFFICE OF C R BARCLAY	Cole Information Services
2014	CALIFORNIA COUNSEL GROUP INC	Cole Information Services
	HARBOR MARINE INSURANCE AGENCY	Cole Information Services
	EXCEL LONGRANGE SPORTFISHING	Cole Information Services
	OFFICE OF C R BARCLAY	Cole Information Services
2009	TUB SCRUB MARINE SERVICE INC	Cole Information Services
	AMERICAN MASSAGE CENTER	Cole Information Services
	F L HOPE ARCHITECTURAL & PLANNING	Cole Information Services
2006	AMER MASSAGE	Haines Company, Inc.
	CENTER AQUARIUS YACHT	Haines Company, Inc.
	MAINTENANCE BLUELAGOON	Haines Company, Inc.
	MARINE SERVICES CA MICRO SYSTEMS	Haines Company, Inc.
	CALIFORNIA	Haines Company, Inc.
	MARINE SERVICES HOPEFL	Haines Company, Inc.
	ARCHITECTURES	Haines Company, Inc.

FINDINGS

Year	***Uses***	***Source***	
2006	PLANNING NATURAL HEALTH	Haines Company, Inc.	
	CENTER	Haines Company, Inc.	
	TUB SCRUB MARINE	Haines Company, Inc.	
	SERVICES INC	Haines Company, Inc.	
2004	AMERICAN MASSAGE CTR	Cole Information Services	
	FARMERS INSURANCE	Cole Information Services	
	HOPE F LELAND ARCHTCTR & PLNNG	Cole Information Services	
	NATURAL HLTH CTR & STRS MANAG	Cole Information Services	
	PACIFIC WELLNESS GROUP	Cole Information Services	
	MARINE SERVICE	Cole Information Services	
	TONY MANRIQUEZ	Cole Information Services	
	CALIFORNIA MARINE SERVICES	Cole Information Services	
	NATURAL HEALTH CTR AMRCN MSG	Cole Information Services	
	HARBOR MARINE INSURANCE INC	Cole Information Services	
2000	A DIVING SERVICE	Haines & Company	Image pg. A1
	AMER MASSAGE	Haines & Company	Image pg. A1
	CENTER	Haines & Company	Image pg. A1
	CA MARINE SERVICES	Haines & Company	Image pg. A1
	CLARKRICHARDD	Haines & Company	Image pg. A1
	HARBOR MARINE INS	Haines & Company	Image pg. A1
	MANRIQUEZTONYJR	Haines & Company	Image pg. A1
	NATURALHEALTH	Haines & Company	Image pg. A1
	CENTER	Haines & Company	Image pg. A1
	POWER&WIND MARINE	Haines & Company	Image pg. A1
	ELECTRONICS	Haines & Company	Image pg. A1
	TERRAPIN 0 DIVING	Haines & Company	Image pg. A1
	TUB SCRUB MARINE	Haines & Company	Image pg. A1
	SERVICES	Haines & Company	Image pg. A1
	VIKING MECHANICAL	Haines & Company	Image pg. A1
	WESTRN BOAT SALES	Haines & Company	Image pg. A1
	ZARKOSR G	Haines & Company	Image pg. A1
1999	TONY MANRIQUEZ	Cole Information Services	

FINDINGS

Year	***Uses***	***Source***
1999	TUB SCRUB MARINE SERVICES	Cole Information Services
	SCOPE INSTRUMENTS	Cole Information Services
	TERRAPIN DIVING	Cole Information Services
	A DIVING SERVICE	Cole Information Services
	HARBOR MARINE INSURANCE AGENCY INCORPORATED	Cole Information Services
	AMERICAN MASSAGE CENTER	Cole Information Services
	WESTERN BOAT SALES	Cole Information Services
	ZARKOS R GEORGE INS AGT HBR MRNE INS AGENCY INCORPORATED	Cole Information Services
	MANRIQUEZ TONY JR	Cole Information Services
1994	GRANT, JAMES	Cole Information Services
	AMERICAN MARINE CONSULTANTS	Cole Information Services
	MID AMERICA PROPERTIES	Cole Information Services
	HORNETS NEST	Cole Information Services
	CBC OCEAN ENGINEERING	Cole Information Services
	WESTERN BOAT SALES	Cole Information Services
	HARBORSIDE SERVICES	Cole Information Services
	VIDEO PASSPORT	Cole Information Services
	BODY BALANCE	Cole Information Services
	HARBOR MARINE INSURANCE INC	Cole Information Services
	JAMES L GRANT	Cole Information Services
	TUNA VENTURES INC	Cole Information Services
	SCOPE INSTRUMENTS	Cole Information Services
	HOWARD D SACKS	Cole Information Services
	MYRLE M CAVELL	Cole Information Services
	SEA JAY ENTERPRISES	Cole Information Services
	POINT PACIFIC FINANCIAL	Cole Information Services
1992	AME RICAN MARIN E CON S ULTAN TS IN C	PACIFIC BELL WHITE PAGES
	American Marine Service Co	PACIFIC BELL WHITE PAGES
	Boaters Netw ork	PACIFIC BELL WHITE PAGES
	Body Balance	PACIFIC BELL WHITE PAGES
	BODY BE AUTIFUL DE TAILIN G CE N TE R	PACIFIC BELL WHITE PAGES

FINDINGS

Year	Uses	Source
1992	C B C Ocean Engineering	PACIFIC BELL WHITE PAGES
	Cavell Myrle M rl est brkr	PACIFIC BELL WHITE PAGES
	Grant James L rl est	PACIFIC BELL WHITE PAGES
	HARBOR MARIN E IN S URAN CE AGE N CY IN C	PACIFIC BELL WHITE PAGES
	Hornets Nest The	PACIFIC BELL WHITE PAGES
	Maugeri Sebastian	PACIFIC BELL WHITE PAGES
	Maugeri Sebastian Fish Broker	PACIFIC BELL WHITE PAGES
	i Mid America Properties	PACIFIC BELL WHITE PAGES
	Mid Atlantic Financial Services	PACIFIC BELL WHITE PAGES
	Point Pacific Financial	PACIFIC BELL WHITE PAGES
	Southw estern Boat Sales	PACIFIC BELL WHITE PAGES

5058 N HARBOR DR

Year	Uses	Source
2009	TRIDENT FUNDING CORP	Cole Information Services

5060 N HARBOR DR

Year	Uses	Source
2017	LO PRESTE DUNN SPORTFISHING	Cole Information Services
	OEX POINT LOMA	Cole Information Services
	GRINDLE DANIEL WLAW OFFICES	Cole Information Services
2014	OEX POINT LOMA	Cole Information Services
	ROCKWOOD & ZOZISKA LLP	Cole Information Services
	CABRILLO YACHT SALES	Cole Information Services
2009	CABRILLO YACHT SALES	Cole Information Services
	CRUISUNG WORLD PACIFIC	Cole Information Services
	ROCKWOOD & NOZISKA LLP	Cole Information Services
2006	FNCTNL EXRCSE ROCKWOOD	Haines Company, Inc.
	GROUNDWORKS	Haines Company, Inc.
	NOZISKA LLP	Haines Company, Inc.

5065 N HARBOR DR

Year	Uses	Source	
2000	MARINESYSTEMS	Haines & Company	Image pg. A1

FINDINGS

N HARBOR DR O S

5005 N HARBOR DR O S

Year	*Uses*	*Source*
1995	Best Western Posada Inn	PACIFIC BELL WHITE PAGES

N HARBOR DR S

5055 N HARBOR DR S

Year	*Uses*	*Source*
1985	AZURE SEAS CRUISE RESERVATIONS	PACIFIC BELL WHITE PAGES

N HARBOR OR 224 997

5055 N HARBOR OR 224 997

Year	*Uses*	*Source*
1992	HARBORVIE W CHATE AU	PACIFIC BELL WHITE PAGES
	Harborside Services	PACIFIC BELL WHITE PAGES

N HARBOR PRAIRIE

4904 N HARBOR PRAIRIE

Year	*Uses*	*Source*
1992	Fishermans Union Of America Pacific & Caribbean Area	PACIFIC BELL WHITE PAGES

NIMITZ BLVD

2777 NIMITZ BLVD

Year	*Uses*	*Source*
2017	TODD KEEGAN	Cole Information Services
	MATHEW GLOVER	Cole Information Services
	DANIEL SCHWEIGER	Cole Information Services
	KEISHA BENTON	Cole Information Services
	MARY TULBERT	Cole Information Services
	JASON KARBUSKY	Cole Information Services
	GWYNETH GOYETTE	Cole Information Services
	GARRETT GOTTSCHALK	Cole Information Services

FINDINGS

Year	*Uses*	*Source*
2017	LISA PERCIVAL	Cole Information Services
	LINDA MARSHALLREA	Cole Information Services
	MARTIN JOSEPH	Cole Information Services
	MARK ANOCHE	Cole Information Services
	CHRISTINE INSABELLA	Cole Information Services
	BROOKE DAY	Cole Information Services
	LESLIE BERNAL	Cole Information Services
	TORAN VAGHARI	Cole Information Services
	MARYJO LASERNA	Cole Information Services
	IRENE SLEZACEK	Cole Information Services
	JESSICA COLLIER	Cole Information Services
	TARA GUZZETTA	Cole Information Services
2014	ALDO RODRIGUEZ	Cole Information Services
	ROXANNE NELSEN	Cole Information Services
	MARLENE BOLTE	Cole Information Services
	JAMES CARTER	Cole Information Services
	LIZMARIE SERRANO	Cole Information Services
	PIN ZHOU	Cole Information Services
	CAREY WORTHY	Cole Information Services
	PAMELA COLLINS	Cole Information Services
	MARTIN JOSEPH	Cole Information Services
	SUSANNE TYLER	Cole Information Services
	SAMANTHA BAILEY	Cole Information Services
	STEPHEN CSANADI	Cole Information Services
	GEORGIN STEVENS	Cole Information Services
	GWYNETH GOYETTE	Cole Information Services
	KEISHA BENTON	Cole Information Services
	THOMAS CHURCH	Cole Information Services
	SAMANTHA JORDAN	Cole Information Services
	JOSEPH MARTIN	Cole Information Services
	GLORIA CABALLERO	Cole Information Services
	JESSICA MORASCO	Cole Information Services

FINDINGS

Year	Uses	Source
2014	TROY LEOS	Cole Information Services
	LESLIE BERNAL	Cole Information Services
2009	OCEAN BEACH YOGA	Cole Information Services
	JOSEPH MARTIN	Cole Information Services
	MARINE TECH	Cole Information Services
	EVODIO NIETO	Cole Information Services
	ERIN KEEGAN	Cole Information Services
	REBECCA SUSSMAN	Cole Information Services
	F DAVIS	Cole Information Services
	CIB MESTAS	Cole Information Services
	S FRISBEE	Cole Information Services
	DEBRA LOTT	Cole Information Services
	GEORGIN STEVENS	Cole Information Services
2006	POINT LOMA MANOR ABDULLA Bana	Haines Company, Inc.
	ELSMERE Jeremy	Haines Company, Inc.
	MARTINJoseph D	Haines Company, Inc.
	NIETO Evodio Juarez	Haines Company, Inc.
	SUSSMAN Rebecca	Haines Company, Inc.
	TREVINOR	Haines Company, Inc.
2004	GENE DAVENPORT	Cole Information Services
	STACEY SHEPARD	Cole Information Services
	CHARLES BASCH	Cole Information Services
	LINDA SLOBODNIK	Cole Information Services
	DAVID VALENTI	Cole Information Services
	EDWARD LAI	Cole Information Services
	JOSE PALMER	Cole Information Services
	CIB MESTAS	Cole Information Services
	CORY LANSFORD	Cole Information Services
	PAMELA COLE	Cole Information Services
	K BROWN	Cole Information Services
	ROBERT MILLER	Cole Information Services
	MANDY NORTHCUTT	Cole Information Services

FINDINGS

__Year__	*__Uses__*	*__Source__*	
2004	CHERYL MANSFIELD	Cole Information Services	
	EVODIO NIETO	Cole Information Services	
	JEREMY MCMINIS	Cole Information Services	
	C GONZALEZ	Cole Information Services	
	JENEENE PASCHALL	Cole Information Services	
	JACQUELINE CALLAHAN	Cole Information Services	
	JOHNNY PITTMAN	Cole Information Services	
	SARAH WARREN	Cole Information Services	
	RICKY MILES	Cole Information Services	
	JESSICA ZEHENDNER	Cole Information Services	
	PETER NEUSCH	Cole Information Services	
	REBECCA SUSSMAN	Cole Information Services	
	GINA STEVENS	Cole Information Services	
	JESSICA WILEY	Cole Information Services	
	BRIAN DEVINEY	Cole Information Services	
	CARL JONES	Cole Information Services	
	BRENDA LONGACRE	Cole Information Services	
	JOSEPH MARTIN	Cole Information Services	
2000	APARTMENTS	Haines & Company	Image pg. A4
	BECKKelly A	Haines & Company	Image pg. A4
	BOLGER M	Haines & Company	Image pg. A4
	BURKHALTERR	Haines & Company	Image pg. A4
	GRAYJoan E	Haines & Company	Image pg. A4
	JAHR Ryan L	Haines & Company	Image pg. A4
	MEAT Coffey Tracay D	Haines & Company	Image pg. A4
	MILLER Roberd	Haines & Company	Image pg. A4
	NIETOEvodio Juarsz	Haines & Company	Image pg. A4
	PIUS Sanilianna	Haines & Company	Image pg. A4
	SAKIEWICZZbignlew	Haines & Company	Image pg. A4
1999	JOSEPH MARTIN	Cole Information Services	
	EVODIO NIETO	Cole Information Services	
	ERIN KEEGAN	Cole Information Services	

FINDINGS

__Year__	*__Uses__*	*__Source__*
1999	GEORGIN STEVENS	Cole Information Services
	REBECCA SUSSMAN	Cole Information Services
	CIB MESTAS	Cole Information Services
	MICHAEL MARLYERE	Cole Information Services
	S FRISBEE	Cole Information Services
	DEBRA LOTT	Cole Information Services
	F DAVIS	Cole Information Services
1994	LYELL, JASON	Cole Information Services
	HILL, E L	Cole Information Services
	MCCARL, TODD	Cole Information Services
1992	Henderson Cecil Buff	PACIFIC BELL WHITE PAGES
	Henderson Charles A . 6........	PACIFIC BELL WHITE PAGES
	i Maley T	PACIFIC BELL WHITE PAGES
	Maley Thomas F	PACIFIC BELL WHITE PAGES
	Mc Cari Todd	PACIFIC BELL WHITE PAGES
	Middag John M	PACIFIC BELL WHITE PAGES
	Middaugh A........	PACIFIC BELL WHITE PAGES
	Middaugh Carl A A..........	PACIFIC BELL WHITE PAGES
	Middaugh D E	PACIFIC BELL WHITE PAGES
	Middaugh Kerry	PACIFIC BELL WHITE PAGES
	Middaugh M	PACIFIC BELL WHITE PAGES
	Tapscott James C	PACIFIC BELL WHITE PAGES
1989	Bailey Corw yn	Cole Information Services
	Crow dus Andrae	Cole Information Services
	Dionne Earl H	Cole Information Services
	Ellis Tracy	Cole Information Services
	Friendly Tracy & Frederick	Cole Information Services
	Gomes Allan	Cole Information Services
	Mc Carty William	Cole Information Services
	Pow ers John A	Cole Information Services
	Row e Timothy P	Cole Information Services
	Sanders Stanley M	Cole Information Services

FINDINGS

Year	Uses	Source	
1989	Steyn Andrew	Cole Information Services	
	Varga Joe & Debbie	Cole Information Services	
	Welker Robert & Penny	Cole Information Services	
	Yeager Ned	Cole Information Services	
1984	F American International Foreign Frt Forw arders	R. L. Polk & Co.	Image pg. A9
	Point Loma Manor apts	R. L. Polk & Co.	Image pg. A9
	Bailey T L	R. L. Polk & Co.	Image pg. A9
	Tow ne Brian L	R. L. Polk & Co.	Image pg. A9
	Schw amb F	R. L. Polk & Co.	Image pg. A9
	Ramirez A	R. L. Polk & Co.	Image pg. A9
	Vacant	R. L. Polk & Co.	Image pg. A9
	Vacant	R. L. Polk & Co.	Image pg. A9
	Vacant	R. L. Polk & Co.	Image pg. A9
	Vacant	R. L. Polk & Co.	Image pg. A9
	Kasa Jean	R. L. Polk & Co.	Image pg. A9
	Mc Allister M J	R. L. Polk & Co.	Image pg. A9
	Mc Queen J S	R. L. Polk & Co.	Image pg. A9
	Potts T S	R. L. Polk & Co.	Image pg. A9
	Vacant	R. L. Polk & Co.	Image pg. A9
	Vacant	R. L. Polk & Co.	Image pg. A9
	Vacant	R. L. Polk & Co.	Image pg. A9
	Barleyman J T	R. L. Polk & Co.	Image pg. A9
	Vacant	R. L. Polk & Co.	Image pg. A9
	Mc Lain J	R. L. Polk & Co.	Image pg. A9
	Vacant	R. L. Polk & Co.	Image pg. A9
	Cookingham Brian	R. L. Polk & Co.	Image pg. A9
	Scott J M	R. L. Polk & Co.	Image pg. A9
	Moses W	R. L. Polk & Co.	Image pg. A9
	Vacant apts	R. L. Polk & Co.	Image pg. A9
	Henson J C	R. L. Polk & Co.	Image pg. A9
	Gallagher D F	R. L. Polk & Co.	Image pg. A9
	Randazzo R	R. L. Polk & Co.	Image pg. A9

FINDINGS

Year	Uses	Source	
1984	Hutchinson Thomas A	R. L. Polk & Co.	Image pg. A9
	A Ghio Charles C & Associates ins	R. L. Polk & Co.	Image pg. A9
	B No Return	R. L. Polk & Co.	Image pg. A9
	C Enesco Inc	R. L. Polk & Co.	Image pg. A9
	D Semcor Incorporated	R. L. Polk & Co.	Image pg. A9
	E Hertz Corp Sls Ofc sls ofc rent a car serv	R. L. Polk & Co.	Image pg. A9
1980	equip	R. L. Polk & Co.	Image pg. A16
	E Hertz Corp Sis Ofc sis ofc rent a	R. L. Polk & Co.	Image pg. A16
	car serv	R. L. Polk & Co.	Image pg. A16
	F American International Foreign	R. L. Polk & Co.	Image pg. A16
	Frt Forw arders	R. L. Polk & Co.	Image pg. A16
	Point Loma Manor apts	R. L. Polk & Co.	Image pg. A15
	N Leak Oscar	R. L. Polk & Co.	Image pg. A15
	N Tow ne Brian	R. L. Polk & Co.	Image pg. A15
	N Kalish Abraham	R. L. Polk & Co.	Image pg. A15
	Stauffer John	R. L. Polk & Co.	Image pg. A15
	N Clark Raymond	R. L. Polk & Co.	Image pg. A15
	N Wheeler Lorie	R. L. Polk & Co.	Image pg. A15
	N Meo Geo	R. L. Polk & Co.	Image pg. A15
	N OBrien Joy	R. L. Polk & Co.	Image pg. A15
	Kasa Jean	R. L. Polk & Co.	Image pg. A15
	Goddard E K	R. L. Polk & Co.	Image pg. A15
	N Lopez E	R. L. Polk & Co.	Image pg. A15
	N Golliver La Daw ns	R. L. Polk & Co.	Image pg. A15
	N Harvey Mahamed	R. L. Polk & Co.	Image pg. A15
	N Johnson Willy	R. L. Polk & Co.	Image pg. A15
	N Cox Richard	R. L. Polk & Co.	Image pg. A15
	N Miller Richard	R. L. Polk & Co.	Image pg. A15
	N Shippee Bill	R. L. Polk & Co.	Image pg. A15
	N Good Dan	R. L. Polk & Co.	Image pg. A15
	Vallejo Alfredo	R. L. Polk & Co.	Image pg. A15
	N Gubustein Robert	R. L. Polk & Co.	Image pg. A15

FINDINGS

Year	Uses	Source	
1980	N vercash Steve	R. L. Polk & Co.	Image pg. A15
	N Alvarez Hector	R. L. Polk & Co.	Image pg. A15
	N Elliaon Virgil	R. L. Polk & Co.	Image pg. A15
	N Ashley Whitey	R. L. Polk & Co.	Image pg. A15
	N Borror Joseph	R. L. Polk & Co.	Image pg. A15
	N Pelak David	R. L. Polk & Co.	Image pg. A15
	N Sbaradella Paul	R. L. Polk & Co.	Image pg. A15
	N Londin Christine	R. L. Polk & Co.	Image pg. A15
	N Sw andt Carl	R. L. Polk & Co.	Image pg. A15
	Me Lain Jerry L	R. L. Polk & Co.	Image pg. A15
	N Brundt David	R. L. Polk & Co.	Image pg. A15
	N Silverton Ronald	R. L. Polk & Co.	Image pg. A15
	Weaver Lon	R. L. Polk & Co.	Image pg. A15
	N Kaw ata Eric	R. L. Polk & Co.	Image pg. A15
	N Hutchinson Thomas A	R. L. Polk & Co.	Image pg. A15
	A Ghio Charles C & Associates ins	R. L. Polk & Co.	Image pg. A15
	B Seaport Recruiting Group exec emp	R. L. Polk & Co.	Image pg. A15
	C Enesco Inc	R. L. Polk & Co.	Image pg. A15
	D Gould Incorporated Electrical	R. L. Polk & Co.	Image pg. A16
	Products Group mfr electronic	R. L. Polk & Co.	Image pg. A16
1975	Creed Diane	R. L. Polk & Co.	Image pg. A21
	Gass Paula	R. L. Polk & Co.	Image pg. A21
	Neuman James	R. L. Polk & Co.	Image pg. A21
	Dean Harley	R. L. Polk & Co.	Image pg. A21
	Vacant	R. L. Polk & Co.	Image pg. A21
	Gunderson Kenneth	R. L. Polk & Co.	Image pg. A21
	Vallejo Alfredo	R. L. Polk & Co.	Image pg. A21
	Livingston Carl	R. L. Polk & Co.	Image pg. A21
	No Return	R. L. Polk & Co.	Image pg. A21
	Keeler J Timothy	R. L. Polk & Co.	Image pg. A21
	Turner Michi	R. L. Polk & Co.	Image pg. A21
	Miller Robt W	R. L. Polk & Co.	Image pg. A21

FINDINGS

Year	Uses	Source	
1975	Faudskar Sam	R. L. Polk & Co.	Image pg. A21
	Vacant	R. L. Polk & Co.	Image pg. A21
	Maxw ell Ann Mrs	R. L. Polk & Co.	Image pg. A21
	Myers Max	R. L. Polk & Co.	Image pg. A21
	Jackson Richd	R. L. Polk & Co.	Image pg. A21
	Tow nsend Dan	R. L. Polk & Co.	Image pg. A21
	Mc Alpine Larry	R. L. Polk & Co.	Image pg. A21
	Kvangness Richd K	R. L. Polk & Co.	Image pg. A21
	Mc Clintock Richd	R. L. Polk & Co.	Image pg. A21
	Mc Donald Joseph C	R. L. Polk & Co.	Image pg. A21
	Blain Charles F	R. L. Polk & Co.	Image pg. A21
	Point Loma Manor apts	R. L. Polk & Co.	Image pg. A21
	Vacant	R. L. Polk & Co.	Image pg. A21
	Felmoca Jimmy	R. L. Polk & Co.	Image pg. A21
	Vacant	R. L. Polk & Co.	Image pg. A21
	Stauffer John	R. L. Polk & Co.	Image pg. A21
	Osburn Jo V	R. L. Polk & Co.	Image pg. A21
	Suarex Louis	R. L. Polk & Co.	Image pg. A21
	Bernabo Aldo	R. L. Polk & Co.	Image pg. A21
	Robinson Allen	R. L. Polk & Co.	Image pg. A21
	Vacant	R. L. Polk & Co.	Image pg. A21
	Haberman Steve	R. L. Polk & Co.	Image pg. A21
	Haas Jan	R. L. Polk & Co.	Image pg. A21
	Bradshaw Jack	R. L. Polk & Co.	Image pg. A21
1970	HOUSE OF LEE APTS	John M. Ducy	
	LOWE OLIVE MRS	John M. Ducy	
	VACANT	John M. Ducy	
	SMITH FRED W	John M. Ducy	
	CONTARDO ROSANNE	John M. Ducy	
	BOLIN LINDA L	John M. Ducy	
	RILEY THOS	John M. Ducy	
	GRAY LION	John M. Ducy	

Year	Uses	Source
1970	SUNKIN DONALD	John M. Ducy
	MOODY NOEL K	John M. Ducy
	BURCHILL LAURENCE	John M. Ducy
	ROGERS CHRISTINE	John M. Ducy
	VACANT	John M. Ducy
	PRESTON EDW	John M. Ducy
	NO RETURN	John M. Ducy
	MUCHINSKE MARY	John M. Ducy
	LEASE NORMAN E	John M. Ducy
	OBAKER JEAN	John M. Ducy
	TAYLOR MELVIN J	John M. Ducy
	BURKE TIMOTHY	John M. Ducy
	COPELAND SUSAN N	John M. Ducy
	ARMBRUSTER ALF J	John M. Ducy
	BROWN LONNY	John M. Ducy
	KREFT LARRY	John M. Ducy
	HARRISON WM L	John M. Ducy
	WILSON ROBT N	John M. Ducy
	SWANSON BARBARA	John M. Ducy
	CLULEY JUSTINE	John M. Ducy
	HOUCHEN LOUIS	John M. Ducy
	HUNTINGTON WM	John M. Ducy
	PARKS LINDLE	John M. Ducy
	VACANT	John M. Ducy
	LARVA JAY	John M. Ducy
	CLARK J A	John M. Ducy
	VACANT	John M. Ducy

SHAFTER ST

1618 SHAFTER ST

Year	Uses	Source
2014	DAVID SILLAS	Cole Information Services

FINDINGS

Year	Uses	Source	
2009	DAVID SILLAS	Cole Information Services	
2006	SILLAS David	Haines Company, Inc.	
2004	DAVID SILLAS	Cole Information Services	
2000	SILLASDavid	Haines & Company	Image pg. A5
1999	DAVID SILLAS	Cole Information Services	
1994	SILLAS, DAVID	Cole Information Services	
1989	Sillas David	Pacific Bell	
1984	Sillas David	R. L. Polk & Co.	Image pg. A10
1980	N Sw ank Lon F	R. L. Polk & Co.	Image pg. A17
1975	Brunk Richd L	R. L. Polk & Co.	Image pg. A22
1970	MC PHEE ALAN L	John M. Ducy	
1966	VACANT	R. L. Polk & Co.	Image pg. A27
1961	Silva Frank	R. L. Polk & Co.	Image pg. A31

1620 SHAFTER ST

Year	Uses	Source	
2014	DANIEL CRUZ	Cole Information Services	
2006	No Current Listing	Haines Company, Inc.	
2004	ELAINE TAKADA	Cole Information Services	
2000	No Current Listing	Haines & Company	Image pg. A5
1999	OCCUPANT UNKNOWN	Cole Information Services	
1989	Maley Michael & Bernadette	Cole Information Services	
1984	Strange W C	R. L. Polk & Co.	Image pg. A10
1980	Sw eet David B	R. L. Polk & Co.	Image pg. A17
1975	Guillory Shirley	R. L. Polk & Co.	Image pg. A22
1970	CLONINGER CLAUDIA	John M. Ducy	
1966	VACANT	R. L. Polk & Co.	Image pg. A27
1961	Vacant	R. L. Polk & Co.	Image pg. A31

1622 SHAFTER ST

Year	Uses	Source
2014	BRIAN GONZALEZ	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2006	LEMONS Dereck	Haines Company, Inc.

FINDINGS

Year	Uses	Source	
2004	DEREK LEMONS	Cole Information Services	
2000	No Current Listing	Haines & Company	Image pg. A5
1994	BRANDON, DON	Cole Information Services	
1992	Brandon Donald M MD	PACIFIC BELL WHITE PAGES	
	Brandon Don	PACIFIC BELL WHITE PAGES	
1984	Rego Armando	R. L. Polk & Co.	Image pg. A10
1980	Da Rosa Filomena Mrs	R. L. Polk & Co.	Image pg. A17
1975	Da Rosa Januario G	R. L. Polk & Co.	Image pg. A22
1970	DAROSA JANUARIO G	John M. Ducy	
1966	CARROLL DANL P	R. L. Polk & Co.	Image pg. A27
1961	Rosa Januario G	R. L. Polk & Co.	Image pg. A31

1642 SHAFTER ST

Year	Uses	Source	
1948	Vacant	San Diego Directory Co.	Image pg. A38

1662 SHAFTER ST

Year	Uses	Source	
1970	VACANT	John M. Ducy	
1966	VACANT	R. L. Polk & Co.	Image pg. A27
1961	Robnson Mary T Mrs	R. L. Polk & Co.	Image pg. A31
1952	Robinson M T Mrs pet dlr	R. L. Polk & Co. of California	Image pg. A35
	Cushman Ula M	R. L. Polk & Co. of California	Image pg. A35
1948	Robinson M T Mrs	San Diego Directory Co.	Image pg. A38
1943	AEInrhaua Aug	San Diego Directory Co.	Image pg. A41
1938	Binhaus Aug Co	San Diego Directory Co.	Image pg. A43

1672 SHAFTER ST

Year	Uses	Source	
1970	BREEN VANCE M	John M. Ducy	
1966	VACANT	R. L. Polk & Co.	Image pg. A27
1961	Peters James S	R. L. Polk & Co.	Image pg. A31
1952	Malone H L	R. L. Polk & Co. of California	Image pg. A35
1948	Azevedo A P	San Diego Directory Co.	Image pg. A38

FINDINGS

Year	Uses	Source	
1943	Azov N da Therc s M rs	San Diego Directory Co.	Image pg. A41
1938	Londo Frank	San Diego Directory Co.	Image pg. A43

1674 SHAFTER ST

Year	Uses	Source	
1970	PAUGH CARL	John M. Ducy	
1966	PAUGH CARL	R. L. Polk & Co.	Image pg. A27
1961	Paugh Carl	R. L. Polk & Co.	Image pg. A31
1952	Nelson L B	R. L. Polk & Co. of California	Image pg. A35
1948	Buehler F W	San Diego Directory Co.	Image pg. A38
1943	Buehler F W	San Diego Directory Co.	Image pg. A41
1938	ACaldw ell D G	San Diego Directory Co.	Image pg. A43

SHAFTR

1662 SHAFTR

Year	Uses	Source
1960	Robinson Mary Mrs	The Pacific Telephone Telegraph Co.
1955	Robinson Mary Mrs	R. L. Polk & Co.
1945	Einhaus August r	San Diego Directory Co.

SHAFTUR ST

1662 SHAFTUR ST

Year	Uses	Source	
1933	Einhaus Aug	San Diego Directory Co.	Image pg. A45

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
1618 SHAFTER ST	2017, 2006, 2000, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
1618 SHAFTER ST	2017, 2014, 2009, 2004, 1999, 1995, 1994, 1992, 1991, 1985, 1976, 1971, 1965, 1962, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
1620 SHAFTER ST	2017, 2014, 2009, 2004, 1999, 1995, 1994, 1992, 1991, 1985, 1976, 1971, 1965, 1962, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
1620 SHAFTER ST	2017, 2009, 2006, 2000, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
1622 SHAFTER ST	2017, 2014, 2009, 2004, 1999, 1995, 1994, 1991, 1989, 1985, 1976, 1971, 1965, 1962, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
1622 SHAFTER ST	2017, 2006, 2000, 1999, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
1642 SHAFTER ST	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
1662 SHAFTER ST	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1965, 1962, 1960, 1956, 1955, 1950, 1945, 1940, 1933, 1927, 1921, 1907, 1903
1662 SHAFTR	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1956, 1952, 1950, 1948, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
1662 SHAFTUR ST	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1927, 1921, 1907, 1903
1672 SHAFTER ST	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1965, 1962, 1960, 1956, 1955, 1950, 1945, 1940, 1933, 1927, 1921, 1907, 1903
1674 SHAFTER ST	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1965, 1962, 1960, 1956, 1955, 1950, 1945, 1940, 1933, 1927, 1921, 1907, 1903
2777 NIMITZ BLVD	2017, 2014, 2009, 2004, 1999, 1995, 1994, 1991, 1985, 1976, 1971, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2777 NIMITZ BLVD	2006, 2000, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903

FINDINGS

Address Researched	Address Not Identified in Research Source
2801 KEATS ST	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1921, 1907, 1903
2804 JARVIS ST	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2806 JARVIS ST	2017, 2014, 2009, 2006, 2004, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1976, 1971, 1965, 1962, 1956, 1955, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2806 JARVIS ST	2014, 2009, 2006, 2000, 1999, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2809 JARVIS ST	2006, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2809 JARVIS ST	2017, 2014, 2009, 2006, 2004, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1976, 1971, 1965, 1962, 1960, 1956, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2810 JARVIS ST	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1976, 1971, 1965, 1962, 1956, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2810 JARVIS ST	2006, 2000, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2810 KEATS ST	2017, 2014, 2009, 2004, 1999, 1995, 1994, 1991, 1985, 1976, 1971, 1965, 1962, 1956, 1950, 1945, 1940, 1933, 1927, 1921, 1907, 1903
2810 KEATS ST	2006, 2000, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2811 JARVIS ST	2017, 2014, 2009, 2006, 2004, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1976, 1971, 1965, 1962, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2811 JARVIS ST	2006, 2000, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2811 KEATS ST	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1965, 1962, 1956, 1950, 1945, 1940, 1927, 1921, 1907, 1903
2812 JARVIS ST	2017, 2014, 2009, 2006, 2004, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1976, 1971, 1965, 1962, 1956, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2812 JARVIS ST	2009, 2006, 2000, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2812 KEATS ST	2006, 2000, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2812 KEATS ST	2017, 2014, 2009, 2004, 1999, 1995, 1994, 1991, 1985, 1976, 1971, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903

FINDINGS

Address Researched	Address Not Identified in Research Source
2815 JARVIS ST	2017, 2014, 2009, 2006, 2004, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1976, 1971, 1965, 1962, 1956, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2815 JARVIS ST	2009, 2006, 2004, 2000, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2817 JARVIS ST	2017, 2014, 2009, 2006, 2004, 1999, 1995, 1994, 1991, 1989, 1985, 1976, 1971, 1965, 1962, 1960, 1956, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2817 JARVIS ST	2006, 2000, 1999, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2818 JARVIS ST	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1991, 1985, 1976, 1971, 1965, 1962, 1956, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2818 JARVIS ST	2009, 2006, 2000, 1999, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2819 JARVIS ST	2006, 2000, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2819 JARVIS ST	2017, 2014, 2009, 2006, 2004, 1999, 1995, 1994, 1991, 1985, 1976, 1971, 1965, 1962, 1956, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2820 JARVIS ST	2017, 2014, 2009, 2006, 2004, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1976, 1971, 1965, 1962, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2820 JARVIS ST	2006, 2000, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2821 JARVIS ST	2017, 2006, 2000, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2821 JARVIS ST	2017, 2014, 2009, 2004, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1976, 1971, 1965, 1962, 1956, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2821 KEATS ST	2017, 2014, 2009, 2004, 1999, 1995, 1994, 1991, 1985, 1976, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2821 KEATS ST	2006, 2000, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2822 JARVIS ST	2017, 2014, 2009, 2006, 2004, 1999, 1995, 1994, 1991, 1985, 1976, 1971, 1965, 1962, 1956, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2822 JARVIS ST	2017, 2006, 2000, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903

FINDINGS

Address Researched	Address Not Identified in Research Source
2823 JARVIS ST	2009, 2006, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2823 JARVIS ST	2017, 2014, 2009, 2006, 2004, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1976, 1971, 1965, 1962, 1956, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2823 KEATS ST	2017, 2014, 2009, 2006, 2004, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1965, 1962, 1960, 1956, 1950, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2825 JARVIS ST	2017, 2014, 2009, 2006, 2004, 1999, 1995, 1994, 1992, 1991, 1985, 1976, 1971, 1965, 1962, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2825 JARVIS ST	2006, 2000, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2826 KEATS ST	2017, 2014, 2009, 2006, 2004, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1965, 1962, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2827 JARVIS ST	2017, 2014, 2009, 2006, 2004, 1999, 1995, 1994, 1991, 1989, 1985, 1976, 1971, 1965, 1962, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2827 JARVIS ST	2014, 2006, 2000, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2827 KEATS ST	2006, 2000, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2827 KEATS ST	2017, 2014, 2009, 2004, 1999, 1995, 1994, 1991, 1985, 1976, 1971, 1965, 1962, 1960, 1956, 1955, 1950, 1940, 1927, 1921, 1907, 1903
2828 KEATS ST	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1965, 1962, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2829 JARVIS ST	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1976, 1971, 1965, 1962, 1956, 1955, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2829 JARVIS ST	2006, 2000, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2830 KEATS ST	2006, 2000, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2830 KEATS ST	2017, 2014, 2009, 2004, 1999, 1995, 1994, 1991, 1985, 1976, 1971, 1965, 1962, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2831 JARVIS ST	2017, 2014, 2009, 2006, 2004, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1976, 1971, 1965, 1962, 1960, 1956, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2831 JARVIS ST	2006, 2000, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903

FINDINGS

Address Researched	Address Not Identified in Research Source
2832 KEATS ST	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1965, 1962, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2834 KEATS ST	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1965, 1962, 1956, 1955, 1952, 1950, 1945, 1940, 1927, 1921, 1907, 1903
2836 JARVIS ST	2017, 2014, 2009, 2004, 1999, 1995, 1994, 1992, 1991, 1985, 1976, 1971, 1965, 1962, 1960, 1956, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2836 JARVIS ST	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2836 KEATS ST	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1965, 1962, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2838 JARVIS ST	2017, 2014, 2009, 2004, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1976, 1971, 1965, 1962, 1960, 1956, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2838 JARVIS ST	2017, 2006, 2000, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2838 KEATS ST	2006, 2000, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2838 KEATS ST	2017, 2014, 2009, 2004, 1999, 1995, 1994, 1992, 1991, 1985, 1976, 1975, 1971, 1965, 1962, 1961, 1960, 1956, 1950, 1945, 1940, 1927, 1921, 1907, 1903
2840 JARVIS ST	2017, 2014, 2009, 2006, 2004, 1999, 1995, 1994, 1992, 1991, 1985, 1976, 1971, 1965, 1962, 1956, 1955, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2840 JARVIS ST	2006, 2000, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2840 KEATS ST	2017, 2014, 2009, 2006, 2004, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1965, 1962, 1960, 1956, 1950, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2842 JARVIS ST	2017, 2014, 2009, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1976, 1971, 1965, 1962, 1956, 1955, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2842 JARVIS ST	2006, 2000, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2843 JARVIS ST	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1965, 1962, 1956, 1950, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2844 KEATS ST	2017, 2014, 2009, 2004, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1976, 1971, 1965, 1962, 1956, 1950, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
2844 KEATS ST	2017, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903

FINDINGS

Address Researched	Address Not Identified in Research Source
4823 HARBOR DR N	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1976, 1971, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4823 N HARBOR DR	2017, 2014, 2009, 2004, 1999, 1995, 1994, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4823 N HARBOR DR	2017, 2014, 2009, 2006, 2000, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4855 HARBOR DR N	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1976, 1971, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4855 N HARBOR DR	2017, 2014, 2009, 2006, 2004, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4865 HARBOR DR N	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4865 N HARBOR DR	2017, 2014, 2009, 2004, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4865 N HARBOR DR	2006, 2004, 2000, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4871 HARBOR DR N	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1976, 1971, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4873 HARBOR DR N	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4873 N HARBOR DR	2017, 2014, 2009, 2006, 2004, 1999, 1995, 1994, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4873 N HARBOR DR	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4875 HARBOR DR N	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1976, 1971, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4875 N HARBOR DR	2017, 2014, 2009, 2004, 1999, 1995, 1994, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4875 N HARBOR DR	2009, 2006, 2000, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4904 N HARBOR DR	2006, 2000, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903

FINDINGS

Address Researched	Address Not Identified in Research Source
4904 N HARBOR PRAIRIE	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4948 N HARBOR DR	2017, 2006, 2004, 2000, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4950 N HARBOR DR	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4950 N HARBOR DR	2017, 2014, 2009, 2006, 2004, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4960 HARBOR DR	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1956, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4960 HARBOR DR N	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1976, 1971, 1965, 1962, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4960 N HARBOR DR	2017, 2014, 2009, 2004, 1999, 1995, 1994, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4960 N HARBOR DR	2017, 2014, 2009, 2006, 2004, 2000, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4975 HARBOR DR N	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1976, 1971, 1965, 1962, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4975 N HARBOR DR	2017, 2014, 2009, 2006, 2004, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1956, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4980 HARBOR DR	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4980 N HARBOR DR	2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4987 E HARBOR DR	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
4990 N HARBOR DR	2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
5 5043 NORTH HARBOR DR	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
5000 N HARBOR DR	2017, 2014, 2009, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903

FINDINGS

Address Researched	**Address Not Identified in Research Source**
5000 N HARBOR DR	2006, 2004, 2000, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
5005 HARBOR DR	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1956, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
5005 HARBOR DR N	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1976, 1971, 1965, 1962, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
5005 N HARBOR DR	2017, 2014, 2009, 2004, 1999, 1995, 1994, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
5005 N HARBOR DR	2006, 2000, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
5005 N HARBOR DR O S	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
5043 HARBOR DR N	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1976, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
5043 N HARBOR DR	2017, 2014, 2009, 2006, 2004, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
5043 N HARBOR DR	2017, 2014, 2009, 2006, 2000, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
5050 N HARBOR DR	2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
5050 N HARBOR DR	2017, 2014, 2009, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
5051 HARBOR DR	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
5055 HARBOR DR	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1956, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
5055 HARBOR DR N	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1976, 1971, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
5055 N HARBOR DR	2017, 2014, 2009, 2004, 1999, 1995, 1994, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
5055 N HARBOR DR	2006, 2000, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903

FINDINGS

Address Researched	Address Not Identified in Research Source
5055 N HARBOR DR S	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
5055 N HARBOR OR 224 997	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
5057 HARBOR DR	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1956, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
5058 N HARBOR DR	2017, 2014, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
5060 N HARBOR DR	2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
5060 N HARBOR DR	2017, 2014, 2009, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
5061 HARBOR DR	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1956, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
5063 HARBOR DR	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
5065 HARBOR DR	2017, 2014, 2009, 2006, 2004, 2000, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903
5065 N HARBOR DR	2017, 2014, 2009, 2006, 2004, 1999, 1995, 1994, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
4900 North Harbor Drive	1995, 1991, 1989, 1985, 1976, 1971, 1965, 1962, 1956, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903

Source Page Images Appendix

N HARBOR DR 2000

NORTH AV 92116 CONT
4523 XXXX OO
4525 XXXX OO
4531 BANKS K A 619-298-3116 5
4533 GRAHAM Ben 619-299-6303 +9
GRAHAM Debbie 619-299-6303 +9
MCCRIGHT John 619-260-3635 7
4536 •JIMENEZ James 619-298-7921 7
4538 XXXX OO
4539 XXXX OO
4540 RIDLEY C 619-297-8173 +9
4541 XXXX OO
4542 XXXX OO
4543 TERSTAL Cindy 619-291-6781 8
4544 XXXX OO
4548 XXXX OO
4549 DORSEY Jas C 619-298-1285
4551½ JOB D 619-295-2447
JOB J 619-295-2447
4553 FOUNTAIN Frank 619-297-2691
4554 DUTTON David 619-542-1214 +9
SANCHEZ Bernard 619-295-7515 +9
4555 XXXX OO
4558 XXXX OO
4560 .... APARTMENTS
DONAHUE Betty J 619-298-2104 4
FISHER Toby 619-298-7255
MARTIN S J 619-296-5708 7
NASRAT Mohamad H 619-291-3743 +9
REPKIN Victor 619-688-1720 5
WALTERS David 619-298-5756 +9
4560 ....
4561 WARNEKE Gene 619-291-5747 8
4565 PACATTE A 619-692-0857 6
4567 LEIFERT Mary 619-297-3584 8
4569 XXXX OO
4571 XXXX OO
4574 XXXX OO
4575 WILLIAMS Mary 619-297-9388 +9
4576 XXXX OO
4583 PHILLIPS Thomas 619-692-0627 6
4584 STAMMERJOHN T S 619-296-3653
4585 XXXX OO
X MADISON AV
4604 XXXX OO
4610 XXXX OO
4612 MEREDITH Lisa M 619-291-3448 +9
4617 KMOSENA E A 619-298-2678 5
4620 CABANAS D K 619-284-9677 1
RASMUSSEN Thomas O 619-542-1259 0
WASSON David 619-296-1683
4621 .... APARTMENTS
BASS Ronald 619-298-4599 8
DAYLO Marie 619-260-1536 5
HO Minh N 619-296-5193 +9
HUMPHREY Linda F 619-296-9158 +9
SHAFER Jeramy W 619-298-8179 +9
4621 ....
4622 XXXX OO
4624 XXXX OO
4629 •ELLERBROCK Thomas J OO 7
4632 XXXX OO
4634 LEE Erik 619-692-1562 +9
4634½ SITOMER A 619-260-1508 +9
4635 MAKI Marilee L 619-295-0826 8
4637 XXXX OO
4638½ WILKERSON Michael 619-295-7462 5
4640 BALES Wm A 619-291-8580
4641 XXXX OO
4643 •JONES Jay D OO +9
RICHMOND Greg 619-299-4385 8
4645 •CRUSE Donald D OO +9
4646 ZIEGLER Howard 619-296-1186
4647½ BOOZIER Gregory L 619-298-5266 +9
4648 XXXX OO
4650 XXXX OO
4651 XXXX OO
4653 RICHMOND M 619-297-8513 8
4655 RYAN Theodore 619-542-1247 +9
4656 HARDMAN Alan C 619-260-1344 +9
4658 XXXX OO
4659 TARANTO Angela 619-542-1950 +9
4662 XXXX OO
4664 XXXX OO
4666 XXXX OO
X ADAMS AV
★ 1 BUS 143 RES 34 NEW

NORTH AV 91945 LEMON GROVE

WEALTH CODE 1 0

6915 XXXX OO
6917 XXXX OO
6919 ★AFFORDABLE SALON EQUIPMENT 619-589-1661 8
6921 XXXX OO
6923 XXXX OO
6925 XXXX OO
6929 ★BOB'S BARBER SHOP 619-465-3954 +9
★SOLUTIONS HAIR SALON 619-462-0662 7
6931 ★TWIN CITY TAX SERVICES 619-461-6250 8
6933 ★AFFORDABLE BRAIDS&NAILS 619-465-3646 8
6935 ★AUTO VILLA 619-667-3801 8
6969 ★CARLIN PLUMBING 619-462-2193 2
★CUSTEAU GRAPHICS 619-464-0911 1
★CUSTEAU'S G INTRS 619-469-8274
★CUSTEAU SIGNS 619-464-0911 1
DUNHAN Paul E 619-697-2550 5
6975 ★ANYTIME RESTORATION 619-237-7070 5
★BUILDING RESTORATION INC 619-464-6213
7149 XXXX OO
7151 XXXX OO
X MASSACHUSETTS AV
X VISTA AV
7241 XXXX OO
X CITRUS
7271 WONG C 619-462-6292 +9
WONG T 619-462-6292 +9
7291 XXXX OO
7295 XXXX OO
7321 XXXX OO
X HARRIS
7331 ★AUTO PARTS DEALER DELIVERIES 619-463-9889 8
★AUTO SERVICE NETWRK 619-669-8182 4
★O E PARTS NETWORK 619-668-8181 4
7371 XXXX OO
7395 XXXX OO
X WEST
7407 XXXX OO
X CORONA
7500 MINCEY Kiah 619-460-5026 +9
7501 XXXX OO

NORTH AV 91945 CONT
7502 XXXX OO
7504 XXXX OO
7512 AGON Imperatriz 619-464-0667 8
7514 XXXX OO
7519 XXXX OO
7525 XXXX OO
7530 REDMAN Shelley 619-698-3651 +9
SANDLE Breanna A 619-644-5586 +9
7535 XXXX OO
7537 XXXX OO
7545 XXXX OO
7560 BALY Duraid S 619-667-8811 +9
MARTINEZ Daniel M 619-460-0186 +9
SOLISSALINAS Ana Rosa 619-697-2360 6
7561 XXXX OO
7565 XXXX OO
7572 ★LEMON GRV VET HSPTL 619-463-0301
★QUINES E P JR DVM 619-463-0301 1
7575 XXXX OO
7580 ★CUSTOM WIRE PRDCTS 619-469-2328
7581 XXXX OO
7584 XXXX OO
7586 ★STANORD TRANSMISSIONS LMN GRVE 619-589-5457 5
7588 XXXX OO
7590 XXXX OO
X BUENA VISTA AV
7605 XXXX OO
7620 ★BONKS GEN ATMTV RPR 619-697-1233 2
★CHARLIE'S AUTOBRAKE&WHL ALIGN 619-460-4682
★TOLLEYS FRGN CAR SV 619-461-3365
7621 MAYS Desiree 619-461-5519 +9
7622 ★DAKOTA INVSTGN 619-463-0871 0
★WESTRN ACCOUNT SERVICE INC 619-463-0257
7623 XXXX OO
7625 XXXX OO
7626 XXXX OO
7636 ★MAGIC AUTO BODY&UPHOLSTERY 619-698-8732 +9
★METZ PATTERNS 619-461-8499
7637 XXXX OO
7639 •KNAPP Kerry A OO +9
X ALLISON LN
7657 ★SIMPSON TILE CO 619-461-2464 0
7658 •CARRASCO C R OO +9
7664 •ALCALA Arnulfo OO +9
7666 ★LEMON GROVE'S AUTO BDOY&PAINT 619-698-6966 6
7667 •AGUILERA Juan J OO +9
7668 XXXX OO
7669 XXXX OO
7672 XXXX OO
X OLIVE
7704 ★DEANCO 619-461-1821 +9
7750 XXXX OO
7752 ★CURRENT COPY 619-460-0183 +9
★ELDORADO JANITORIAL SERVICES 619-464-3126 8
★I G S HEALTH EQUIPMENT 619-462-2863 +9
★LEMON GROVE SELF STORAGE 619-464-4918
★SENTRY LEMON GROVE 619-464-4918 0
★WESTEL COMMNCTNS 619-463-8138
7764 ★INTERIOR PLANT SERV 619-464-0398 2
X COSTA BELLA
X MAIN
X LEMON GROVE AV
X LEMON GROVE WAY
7800 XXXX OO
7807 XXXX OO
7815 XXXX OO
7825 ★ARMATURE SERVICE 619-469-6104
★BROADWAY AUTO ELEC 619-461-4565
7839 ★BAYLIS R B CYCLES 619-463-6611 5
7841 XXXX OO
7845 XXXX OO
7850 ★JAY MACHINE INC 619-465-8133 8
7852 XXXX OO
7867 ★IDEAL WIPING RAG CO 619-468-6722
7872 XXXX OO
7875 XXXX OO
7885 ★EXPO FIESTA 619-698-0470 7
X GROVE
7907 ★MERRILL TED S&SONS 619-464-3997 +9
7930 ...... MIRA MONTE TRLR PK
FOUNTAIN Jim 619-465-3682
GROVES Lawrence 619-465-4419 +9
HOLMES Rose M 619-461-6015 +9
MANCUSO Sylvia 619-462-6063 8
ORTIZ Clemente Jr 619-461-7226 +9
RUBALCABA Manuel 619-460-9158 5
WEBB June C 619-461-3867 6
7930 ....
7937 ★BARNES FIRE EQUIP 619-463-6060 2
RENARD Robert O 619-697-1633 +9
7951 ★LEWIS ENGRAVING 619-465-6892 1
★ULRICI GARY 619-465-8892 1
7952 ★D&M WELDING 619-460-1710 3
7953 XXXX OO
7965 ★T-FOUR TILE 619-461-5232 +9
7973 ★A B C DRYWALL 619-461-6846 8
★A B C FRAMERS 619-461-6749 8
7975 XXXX OO
7977 XXXX OO
7987 XXXX OO
★ 50 BUS 74 RES 23 NEW

NORTH CT 92116 SAN DIEGO

4715 ABBOTT Lance P 619-542-8416 +9
★ 0 BUS 1 RES 1 NEW

NORTH LN 92173 SAN YSIDRO

WEALTH CODE 2 0

X BEYER BLVD
415 CABRAL Maria P 619-428-1468
X AVENIDA DE LA CRUZ
★ 0 BUS 1 RES 0 NEW

NORTH LN 92021 EL CAJON

WEALTH CODE 5 0

X LACRESTA BLVD
X SUNCREST BLVD
127 XXXX OO
138 •MEDINGER B L 619-588-5175
139 XXXX OO
X LAVETA AV
211 XXXX OO
X MADERA VERDE PL
219 •OGIER Robt W 619-444-5377
225 XXXX OO
229 MARTINEZ Anthony J 619-441-7362 +9
238 XXXX OO
243 XXXX OO
X SCENIC DR
252 •FABER Pete 619-440-1780 0
260 •DEAN C OO +9
X ALLEGRA DR
306 XXXX OO
321 •GALYON Glen 619-447-8186
330 MAUSER John R 619-579-5357 +9
353 •WOLVIN Rick 619-444-2798 1
403 KENNELL Tommy L 619-579-7784 0
REESE Ronald 619-440-5936
421 •RUSSELL Robert E OO +9
★ 0 BUS 18 RES 4 NEW

NORTH LN 92040 LAKESIDE

WEALTH CODE 4 0

11500 XXXX OO
11541 •KIRST James H OO +9
X GOLDEN RIDGE RD
11605 •RUEHS Allen D 619-443-9980
11607 XXXX OO
11618 •COVERSTON Carl 619-561-6203
★ 0 BUS 5 RES 1 NEW

NORTHAVEN AV 92110 SAN DIEGO

WEALTH CODE 7 0

X PENROSE
X DUNHAVEN
4903 ATNIP D 619-275-5506 7
ATNIP David 619-275-5734 7
ATNIP Martha 619-275-5734 7
4910 XXXX OO
4915 XXXX OO
4918 XXXX OO
4925 •ROBINSON Gary C OO 7
4926 CONNOR Leigh 619-275-7377 4
MOYERS Michael 619-275-7377 4
4934 ATKINSON Thos G 619-276-5976
X TOKALON
4942 •WILSON Alan J 619-275-0750 5
4956 GROSS Edw W 619-276-0207
4964 •KENNEDY Craig D OO 7
4972 XXXX OO
4973 •HEVERON Robert G OO 7
4980 •HANKEL P L 619-276-6740
4983 •KARR David C OO +9
4993 XXXX OO
4996 XXXX OO
X FAIRFIELD
5002 XXXX OO
5010 MOONEY Frances 619-276-3821
WALKER Bob 619-276-3821
5011 •KACZUR Harry L 619-278-3962
5021 MITCHELL Sumner T 619-276-3791
5026 XXXX OO
5035 WOODS Kristin L 619-276-2717 +9
5042 XXXX OO
5047 •DUQUETTE Mary OO 7
5052 XXXX OO
5059 XXXX OO
5062 XXXX OO
5071 •MCOMIE D B Cdr Usn 619-276-2586
5072 WILLIAMS Kevin 619-275-2332 +9
5081 XXXX OO
5082 •MOORE James R OO 7
5093 BURNS Robert A 619-276-6018
X MILTON
X AUGUST
★ 0 BUS 36 RES 3 NEW

NORTH BARCELONA (92) 91977 SPRING VALLEY

X BARCELONA S
X CAMPO RD
3916 ★ED HANSONS MUFFLER 619-698-7030 2
★HANSON'S ED MUFFLER SERVICE 619-698-7030 2
X SAN JUAN
★ 2 BUS 0 RES 0 NEW

NORTH CORDOBA 91977 SPRING VALLEY

SEE CORDOBA N

NORTHCOTE RD 92071 SANTEE

WEALTH CODE 2 8

9002½ MCCLANAHAN Michiyo 619-449-7033 5
9007 •SCHUTZA Scott A OO 7
9008 •EMERY Craig OO 8
9014 XXXX OO
9022 XXXX OO
9026 •MCGEHEE S C 619-562-6953
9044 XXXX OO
9045 •LOKEN John A OO 8
9050 •BAUER Alexander H 619-448-1683
9051 XXXX OO
9057 •RUSK Ronald C OO 7
9065 •STROMAN Ronald OO 7
9074 XXXX OO
9075 •ENGLISH Mindy OO +9

NORTHCOTE RD 92071 CONT
X HUNTINGRIDE CIR
X LEA TERRACE DR
X CANYON PARK DR
X ROBINRIDGE WAY
9105 •FALK Brad 619-562-1670 +9
9108 •MANN Larry E OO 8
9111 •RUETE Tim 619-448-0203 8
9112 HARRISON Ivan 619-448-3312
•HARRISON Rosemary 619-448-3312
9115 HOLMES Cynthia 619-258-1236 8
9116 •CAMACHO Fabiola OO 8
9120 •MUSSAD Maurice OO 7
9121 •MCCONNELL Bradley L OO +9
9124 •MAJESKI Penny OO 8
9127 •THOMPSON Shane D OO +9
9128 BASS Jas A 619-449-0197
•BASS Steve 619-449-8010
9132 •MCCALLA John W OO 7
9133 •DAILEY Roy T 619-449-2608
9135 XXXX OO
9136 XXXX OO
9139 •MARTIN Nancy S OO 7
9151 •BERNARDI Robert M OO 7
9152 •HOWLAND Mark 619-449-5129 5
X VIA TERESA
9210 PETTIS Gordon 619-258-9327 6
•PETTIS Kelley 619-258-9327 6
9216 •NICOLL Robert OO +9
9219 •VOEPEL Randy OO 7
9222 •LOPEZ Joseph R OO 8
9228 XXXX OO
9231 XXXX OO
9234 •NASH Debra K OO 7
9240 •SKINNER Gale N OO +9
9245 •CALKINS Barbara 619-258-0378 +9
9252 XXXX OO
9258 •TAYLOR Franklin L 619-448-7125 2
X VIA MADONNA
X MEADOW TERRACE DR
★ 0 BUS 46 RES 7 NEW

NORTHCREST CIR (92) 92071 SANTEE

WEALTH CODE 4 0

9312 XXXX OO
9325 BALISTRERI Rosalie 619-448-3476 6
•BALISTRERI Steve 619-448-3476 6
9331 BIDINGER Brian M 619-258-7163
BIDINGER Sherry 619-258-7163
9337 •HOKSTAD Gerald W 619-449-1403 2
★ 0 BUS 6 RES 0 NEW

NORTHCREST CT (92) 92071 SANTEE

WEALTH CODE 4 0

8568 •LEISER Lon A OO 7
8578 •PRITCHARD Joe 619-596-0620 3
8588 •MESSINGER Keith D OO 7
8598 XXXX OO
8608 XXXX OO
★ 0 BUS 5 RES 0 NEW

NORTHCREST RD 92021 EL CAJON

WEALTH CODE 4 0

X LACRESTA BLVD
131 •TYER Larry 619-447-1503
132 •BUTTELL Rita I OO +9
147 •TWOMBLEY L R OO +9
164 XXXX OO
177 •FISHER John S 619-444-0454
★ 0 BUS 5 RES 2 NEW

NORTHGATE 92114 SAN DIEGO

WEALTH CODE 4 2

X SUNSWEPT
302 XXXX OO
309 XXXX OO
310 •ENGEN Randy S OO 7
316 •MANARANG Elmer G OO 8
324 PARKER Phelis 619-470-4574 7
327 •HUGO S S OO +9
332 •BIRD Robert B OO 6
340 •NASSET L O 619-479-1649
348 •SEBO Wilfred N 619-479-6837
355 ALMAZAN Danny 619-479-1738 +9
356 •UODRIGUEZ David OO 7
363 •HADFIELD John W OO 7
364 •WAY Donald G OO 7
371 •CALMA Jeffrad I 619-470-7412 +9
372 •HARDEN Melinda V 619-470-1613 8
377 •LESTER Randy P 619-475-7864
380 •RENTERIA E OO 7
388 •PADILLA B N OO 7
389 •GARCIA Ruben O 619-479-5087
396 •WILLIAMS Dora A OO 7
X SHADY OAK RD
X WINDWARD
★ 0 BUS 20 RES 3 NEW

NORTH GRANADA AV 91977 SPRING VALLEY

WEALTH CODE 6 0

X CAMPO RD
X CASA DE ORO BLVD
X GRANADA AV S
3920 ★ALPHA KAPPA ALPHA HEAD START 619-670-6101 +9
X SAN JUAN
3937 WILLIAMS B O Usn 619-670-0121 5
•WILLIAMS Benny D 619-660-5201 5
3941 •LESLIE Linda L OO +9
3945 BLACK Richard 619-660-5295 4
3948 •MILLHOUSE K 619-660-0778 2
3952 •LIZALDE Deborah S OO +9

NORTH GRANADA AV 91977 CONT
3956 MORGA Jose A 619-670-3225 +9
3962 •FREEMAN Dean A OO +9
3967 TAYLOR Earl D 619-660-6189 8
3968 •KIRK Adrian D OO +9
3975 •TAIT Bonnie J OO +9
3983 MCLAEN Harry W 619-660-0454
3984 ★A 1 MOVING&STORAGE 619-670-5544
•SCHLICHT Ted J 619-660-2244
3990 •LACUESTA Aaron 619-660-8266 8
3991 XXXX OO
3997 •JENSEN Roy P 619-670-6152
X SIERRA MADRE RD
★ 2 BUS 16 RES 7 NEW

NORTH HARBOR DR 92101 SAN DIEGO

525 ★CHART HOUSE 619-233-7391
570 ★HARBOR EXCURSIONCHARTERS 619-234-4111
X MARKET W
X G W
700 •GRIOLE John O OO +9
740 ★INTL LAW OFFICES P H FLOURNOY 619-232-0054 6
750 ★FISH MARKET RESTAURANTS 619-232-3474 0
★FISH MARKET RSTRNTS 619-234-4867 3
★TOP OF THE MARKET 619-234-4867 1
X BROADWAY W
X 8TH AV
937 ★TAKE A BREAK CAFE 619-231-9766 8
★US NAVY N ISL PROJ HANDCLASP 619-532-1492
★US NAVY SPLY CNTRCT 619-532-2690 5
★US NAVY SPLY EMPLOYMENT OFC 619-532-2743
★US NAVY SPLY EOE 619-532-1680
★US NAVY SPLY GENERAL INFO 619-532-1011
★US NAVY SPLY INVSTG 619-532-3203
★US NAVY SPLY OFCR CONSTR ENGRG 619-532-2311 8
960 ★US NAVY MLTRY SEALFT SHIP INFO 619-556-3134 8
1009 XXXX OO
1050 ★BAY CAFE 619-595-1083 4
★SD HARBOR EXCURSION 619-595-1083 4
1140 XXXX OO
1150 ★BUDD'S GIFTS 619-231-9560 8
1200 XXXX OO
1240 XXXX OO
1306 ★MARITIME EDUCATION 619-234-7827 8
★SD MARITIME EDUCATION 619-234-7827 6
1341 XXXX OO
1355 ★ACE PARKING 619-544-9350 6
★ELEPHANT AND CASTLE 619-234-9977 6
★HAZELWOODS 619-233-1108 2
★HAZELWOODS MARKET BY THE BAY 619-234-9663 7
★HAZELWOODS ON BAY 619-231-9866 5
★HOLIDAY INN 619-232-3861 1
★MIDWAY AIRCRAFT CARRIER MUSEUM 619-702-7700 8
★SD AIRCRAFT CARRIER MUSEUM 619-702-7700 6
★SHELLS RESTAURANT 619-232-3861
1360 ★ANTHONY'S FISH GROTTOS FISHTTE 619-232-5105
★ANTHONYS FISH GRTTO 619-232-5103
X ASH W
1492 ★BERKELEY FERRYBOAT 619-234-9153
★MARITIME MUSEUM 619-234-9153 8
★SD MARITIME MUSEUM 619-234-9153
★STAR OF INDIA 619-234-9153
1795 XXXX OO
X GRAPE W
1820 XXXX OO
X HAWTHORN W
2102 XXXX OO
X LAUREL W
X WINSHIP LN
2701 ★TELEDYNE R AERONTCL 619-291-7311
★TELEDYNE RYAN LAB 619-260-4460
★TELESIS FED CRDT UN 619-260-4475 5
2710 ...... BUILDING
BOWYER Quinn M 619-294-7055 +9
BOYD Michael A 619-683-9368 8
BOYLE Michael J Jr 619-291-5155 +9
CARSON William 619-291-1729 8
CASTILLO Lorenzo 2D 619-291-8581 +9
DENISI Chris 619-298-8526 +9
HOLOREN Tanya M 619-260-0882 +9
ICARDI Glen 619-291-6287 +9
KLEEMAN Cheryl 619-260-0514 +9
LYONS Kyle 619-574-1402 +9
ROSS Jack 619-296-2270 +9
★US CG ACTIVITIES 619-683-6301 8
★US CG ADMINISTRATION-PER-SONNEL 619-683-6330 8
★US CG AIDS TO NAVIGATION 619-683-6358 8
★US CG AVIATION MNTNC CONTROL 619-683-6444 8
★US CG CDML FISHING SAFETY 619-683-6497 8
★US CG COMMUNICATION CENTER 619-683-6466 8
★US CG ELECTRONIC SUPPORT UNIT 619-683-6383 8
★US CG EXCHANGE 619-683-6325 8
★US CG MEDICAL 619-683-6380 8
★US CG PORT OPERATIONS 619-683-6495 6
★US CG PUBLIC WORKS 619-683-6394 8
★US CG SHIPPING&RECEIVING 619-683-6409 8
★US CG SURFACE OPERATIONS 619-683-6312 8
VELASQUEZ Vincent V 619-692-2064 +9
2710 ....
2716 ★US CG MARINE SAFETY OFFICE 619-683-6500 8
★US TRANS CG REPORT OIL DSCHRGE 619-683-6505 8
2798 ★S I P C O SVS&MARNE 619-595-0261 5
2800 XXXX OO
2930 XXXX OO
2980 XXXX OO
3180 ★AVIS RENT A CAR 619-688-5000 6
3202 ★CELLULAR PHONE RENTALS 619-298-2212 7

NORTH HARBOR DR 92101 CONT
★HERTZ DISTRICT SALES 619-543-9004 6
★HERTZ RENT A CAR 619-220-5222 7
★SHARED TECH CELLULR PHONE RNTL 619-298-2212 7
3225 ★PINNER CONSTRUCTION CO 619-296-9026 +9
3280 ★NATL CAR RENTAL 619-497-6777 6
X STILLWATER RD
3380 XXXX OO
3665 ...... SAN DIEGO INTL ARPT
★AIRPORT TERMINAL SERVICES INC 619-298-9528 6
★DYNAIR 619-220-0445 6
★HUNTLEIGH USA CORP 619-298-2865 4
★INTL TOTAL SERVICES 619-297-7346 4
★MCDONALD'S 619-260-3026 6
★MCDONALD'S 619-260-0651 +9
★SD INTL AIRPORT HARBOR POLICE 619-686-8000 6
★SMART CARTE INC 619-692-9567 6
★TRAVELERS EXCHANGE 619-295-1501 5
★US AIRWAYS 619-231-5500 +9
★US AIRWAYS AIR CARGO 619-231-5526 6
★VICTORIA'S CUISINE ARPRT EAST 619-688-9864 7
3665 ....
3705 ★LINDBERG PARKING INC 619-291-2087 6
★LINDBERGH PARKING INC 619-291-1343 6
3707 ★A M R SERVICES 619-231-7230 5
★IMAGES OF CA 619-294-8442 7
★LA SALSA 619-296-3789 7
★NETWORK SYSTEMS ENGINEERING 619-298-7392 6
★SERVICE PERFORMANCE CORP 619-298-6793 8
★U S O AIRPORT CENTER 619-296-3192
★U S O CLUB 619-298-3192
3835 ★EXPRESS BODY CARE 619-294-7684 +9
★MCDONALD'S 619-260-1126 +9
★SPIRIT SAN DIEGO 619-296-1126 +9
★SUNGLASS HUT INTL 619-293-3617 +9
★SWIFT AIR SERVICE OPERATIONS 619-231-7685 +9
★SWIFT AIR SERVICES 619-231-7310 +9
3865 XXXX OO
3871 XXXX OO
3875 XXXX OO
3885 ★AVIS RENT A CAR INS 619-231-7162 1
4077 XXXX OO

ZIP CODE 92106 SAN DIEGO

4823 ★BUTLER CHEVRON 619-225-1553
•BUTLER Joseph A OO +9
4855 XXXX OO
4865 ★BAYSIDE BAR THE 619-225-0255 7
★RED HEN CNTRY KTCHN 619-226-0255 2
4873 XXXX OO
4875 ★BARTELL HOTELS 619-224-1556
★HOLIDAY INN SAN DGO 619-224-3621 5
★RESERVOTEL 619-224-8454 1
★SAND 'N SEA LIQUOR 619-223-7091 6
★SEAPOINT BOTTLE SHP 619-223-7091
4904 ★ACTION SIX-PACK CHARTERS 619-223-2278 +9
★AMER SEA FOOD CO 619-226-1500 0
★CENTER FOR PERFORMANCE TECH 619-523-1195 +9
★DRISCOLL'S WHARF 619-222-8259 +9
GILBERT Don 619-226-3448 0
★GLOBAL AMERICAN LANGUAGE INST 619-223-3223 6
HOBRON Mich A 619-226-6580 2
★MARITECH INC 619-225-3448 0
★NAUT-A-CARE 619-223-2364 +9
★PAC YACHT EMBROIDERY&IMPRNT-BLE 619-226-8033 +9
★YOUNG RONALD N 619-222-9256 +9
4918 ★CDE LAURA DESIGN 619-223-0909
COZZA Frank 619-222-6487 5
COZZA Frank 619-222-2293 +9
★DRISCOLL MARINE 619-226-2500 3
FOAM Dan 619-523-5628 +9
HARRIS Art 619-222-4609 5
4922 ★BLUE CRAB REST THE 619-224-3000
★LOGISTECH INC 619-523-2950 5
★MAXCAP ASSOCIATES 619-223-5917 5
4950 ★PHILIP SERVICES INC 619-758-9830 +9
4960 ★DRISCOLL MARINA 619-226-2500 3
4975 XXXX OO
5005 ★BEST WESTERN POSADA INN 619-224-3254
5043 ★NORTH CHINA RSTRNT 619-224-3568
5055 ★A DIVING SERVICE 619-222-3483 8
★AMER MASSAGE CENTER 619-226-0378 6
★CA MARINE SERVICES 619-222-3483 +9
★CLARK RICHARD D 619-226-0378 +9
★HARBOR MARINE INS 619-222-2212
★MANRIQUEZ TONY JR 619-226-0378 +9
★NATURAL HEALTH CENTER 619-226-0378 +9
★POWER&WIND MARINE ELECTRONICS 619-226-9600 8
★TERRAPIN DIVING 619-222-3483 8
★TUB SCRUB MARINE SERVICES 619-222-3483 8
★VIKING MECHANICAL 619-758-9327 +9
★WESTERN BOAT SALES 619-222-4625 3
★ZARKOS R G 619-222-2212
5065 ★MARINE SYSTEMS TECH 619-226-6101 +9
X SCOTT
5102 ★POINT LOMA TRAVELODGE 619-223-8171 8
★TRAVELODGE 619-223-8171
5104 ...... APARTMENTS
★ATHENAS UPHOLSTERY 619-225-0673 1
BROWN Jeff 619-224-6501 +9
BURLESON J A 619-225-1537
★CABRILLO YACHT SLS 619-523-1745 4
CASSIE Jerry 619-523-4987 8
HARRELL Jerry L 619-224-6275
KANTOR Peter M 619-523-9941 +9
KINCADE William L 619-523-0630 +9
★MURPHYS MARINE CNVS 619-224-2220
STRATHMAN Ronald 619-523-4659 +9
★SUN HARBOR MARINA 619-222-1167
5104 ....
5120 ★PIZZA NOVA 619-226-0268 1
5135 ★ACUNA ROSAMARIA 619-224-3403 8
★COLLINS JOHN COMPANY THE 619-223-2442 7

JARVIS ST 2000

JAPATUL VLY RD 91901 CONT
23428 •MCDANIEL Mane L 619-445-4947
23441 XXXX OO
23444 ★ALPINE TILE&MARBLE 619-445-8959 +9
•BREWER Cheryl L 619-445-8151 +9
23453 •KEEFE George T OO +9
23460 XXXX OO
23461 •MUSGROVE Edith I OO +9
23469 YORK Wm D 619-445-1475 3
23471 •FIELDS Charles 619-445-4553
23475 LOESCHE A E 619-445-9360
23477 BARTLETT Ross A Dr 619-445-5681
23480 XXXX OO
23481 CARNES M 619-445-2184 +9
23489 •LOUIS Richard OO 8
23491 DRAA M A 619-659-1245 7
•DRAA M A 619-659-1215 7
23495 •ROBINSON Dorothy E OO +9
23497 •CENTLIVRE C L OO +9
23505 •MOMINEE Sandra L 619-445-7780 +9
23540 XXXX OO
23609 •WICKLUND Howard J OO +9
23613 •SMITH N G OO +9
23615 •PITTMAN William L OO +9
23617 •BROWN Don W OO +9
23633 •MOMINEE David E OO +9
23705 •INGRAM Gerald R 619-445-4595
23745 •DOLAN D 619-445-4182 4
23805 •KLOSKA Jerrold L OO +9
23855 •ROCKWOOD P OO +9
23861 WESTER Tom 619-445-4042
23862 XXXX OO
X CAMBELL RANCH RD
23864 •PEPLER Anne M OO +9
23911 •CARRELL George H 619-445-4317 1
23925 XXXX OO
23955 XXXX OO
23965 XXXX OO
23967 •CADDICK Jimmy N OO +9
23969 HOULIHAN Joseph P 619-445-3127
24019 XXXX OO
24025 XXXX OO
24171 ★CA ST TRANS MNTC 619-445-2673
NO# LAUGHLIN Clarice P 619-445-4404 7
NO# ★MARTIN ALFRED E 619-445-2201
NO# MAXWELL Larry D 619-445-4082
NO# MORGAN Richard C 619-445-4064
NO# PHILLIPS Nancy S 619-659-1062 +9
NO# STRAUP Chas R 619-445-3130 +9
NO# WILLIAMS Dudley 3D 619-445-9141
★ 5 BUS 71 RES 27 NEW

JAPATUL VSTA LN 91901 ALPINE

WEALTH CODE 8.0

6102 •ROOT George L 619-445-6132
★ 0 BUS 1 RES 0 NEW

JARAMA CT 92019 EL CAJON

WEALTH CODE 7.0

X WIND RIVER RD
2101 •FAUCHER Julie A OO 7
2102 •KALSOW Joann OO 7
2106 XXXX OO
2109 •MCKINNEY Lee 619-444-6095
2113 •CARSTENSEN Michael OO 7
2114 •DRESSEL Thos 619-588-0111 3
2117 •PONSEGGI L OO 7
2118 •HAYMAN Edgar J OO 7
2121 •SWARINGEN Sam P OO 7
2122 •PAUL Linda L OO 7
★ 0 BUS 10 RES 0 NEW

JARRETT CT (98) 92113 SAN DIEGO

4811 •WILSON S D OO +9
4825 •APHAYVONG K OO +9
4831 •GUILLORY James D OO +9
4839 •STOUDMIRE C L OO +9
4847 •PEREZ Joseph M OO +9
4853 •BOYD Rodney E OO +9
4861 SOURAPHOL Thipsavanh 619-266-7545 +9
4869 XXXX OO
4877 •MISISAVATH P OO +9
4883 WILLIAMS Beverly 619-264-5667 8
•WILLIAMS Isaac 619-264-5667 8
4891 •MESINA V P OO +9
4897 YOUNG Jerome K 619-266-4658 8
•YOUNG N T 619-266-4647 8
★ 0 BUS 14 RES 9 NEW

JARRETT LN 92021 EL CAJON

WEALTH CODE 5.0

X HIGHLINE TRL
X LACRESTA BLVD
107 XXXX OO
108 •EBERT Carl 3D 619-593-7908 7
111 •YOUNG James E OO 8
115 •VANDERSTAAY Jesse R 619-442-6187 +9
120 •LEWIS Randy E OO 8
214 •SCHULTZ Michael E OO +9
220 KOBLENTZ Miles 619-444-3219
223 LIBAL Cathi 619-579-5147 8
•LIBAL James 619-579-5147 8
226 MARTIN Cisela 619-440-0125 1
•VILLANI Phillip 619-440-0125 0
231 •MCCOY George S R 619-447-6290 5
236 GRUNER Carl O 619-442-9160
GRUNER Garen 619-442-5344 8
•GRUNER Lori 619-442-5344 8
243 XXXX OO
244 •YEAKLE Walter M OO 7
X SCENIC DR
310 •CHAFFIN C W OO +9
X LILAC DR
320 JOHNSON Diane 619-444-3216
•JOHNSON Tony 619-444-3216
★ 0 BUS 20 RES 3 NEW

JARRON PLAZA (91) 91910 CHULA VISTA

1055 COTE Delbert J 619-656-6720 +9
★ 0 BUS 1 RES 1 NEW

JARVIS 92106 SAN DIEGO

WEALTH CODE 2.7

X SHAFTER
2806 XXXX OO
2809 XXXX OO
2811 PEREZ Robert M 619-523-8774 +9
2812 XXXX OO
2815 XXXX OO
2817 XXXX OO
2819 NUNES Courtney 619-523-8459 +9
2820 XXXX OO
2821 XXXX OO
2822 COOK Kassey 619-224-3342 +9
2823 WALKER Bonnie L 619-224-8832 +9
2825 XXXX OO
2827 XXXX OO
2831 XXXX OO
2836 RODRIGUES Manuel Jr 619-223-0754
2838 XXXX OO
2840 XXXX OO
X SCOTT
2902 WRIGHT Eric M 619-758-1458 +9
2904 XXXX OO
2906 KOUTZ Tom 619-226-8191 3
2908 XXXX OO
2911 XXXX OO
2912 XXXX OO
2918 RECORD Aloha 619-224-8203 +9
2919 CURRY H L 619-222-6295
2931 ★FISHERMAN'S UNION 619-221-0202 4
AMER PACIFIC
★NICOLOFF JAMES M 619-523-3684 6
AIA
★NICOLOFF&ASSOCIAT- 619-523-3684 6
ES INC
★TUNA FISHERMENS 619-221-0142 5
X ROSECRANS
3010 ★ALEXANDER'S 619-222-3400 +9
PAINTING
3019 •LAROCCO Joseph C 3D 619-222-9491
3020 COLLINS Michael 619-226-1267 7
3023 OLIVER Larry 619-222-5750 +9
3025 XXXX OO
3027 XXXX OO
3028 XXXX OO
X LOCUST
3104 PHILLIPS Paul G 619-223-5261
3105 HAGAN John W 619-224-6485 7
3107 •DUFF Lei E OO +9
3109 XXXX OO
3110 BRAZ Orlando 619-223-3563
3111 XXXX OO
3112 •FELIZ Linne 619-523-6234 5
3113 XXXX OO
3115½ KAMPMAN John T 619-523-4243 +9
3119 XXXX OO
3120 XXXX OO
3121 RANIERI Jos J 619-223-0335
3123 XXXX OO
3127 FURUYA Takeye 619-224-5201
3128 •PLUMMER Charles H OO 7
3135 •SOUSA F J OO 8
3136 •SULLIVAN Martin C OO +9
3146 XXXX OO
X EVERGREEN
3204 •QUARESMA Manual A OO 7
3207 •NUNES M F OO 7
3212 •JOSEPH Emily L OO 7
3220 REBELO Jason 619-226-4562
•REBELO Joel 619-226-6257
3228 FONTES Jose S 619-224-9056
X WILLOW
X PLUM
3421 XXXX OO
3424 •MCCOLL David B 619-224-4674 5
3433 BROOKS Robert 619-226-6209
BROOKS Robert Chld 619-523-1619 7
BROOKS Vickie 619-226-6209
3434 •BRAZSKY Richard L OO 7
3444 XXXX OO
3448 XXXX OO
★ 5 BUS 63 RES 11 NEW

JASMINE 91911 CHULA VISTA

WEALTH CODE 7.0

X LANTANA AV
518 XXXX OO
526 •PELKEY Frank D 619-421-6629
530 •THURMAN Frank J 619-421-1005
536 •VELASQUEZ A V OO 8
540 •PERING Randall S 619-421-4206 3
PERING Randall S 619-482-0131 8
546 •THOMPSON Eric J OO +9
550 •ORTEGA Alfredo OO 8
556 •NOOTBAAR Lee 619-216-0626 8
560 XXXX OO
X CAMELLIA CT
X CARISSA CT
565 •VARGAS Armando OO 7
566 COLE Alko 619-656-1710 5
•COLE John 619-656-1710 5
X LILAC AV
★ 0 BUS 13 RES 1 NEW

JASMINE 92021 EL CAJON

WEALTH CODE 5.0

X COUNTRY CREST DR
1678 •MARIN Laurie A OO 7
1682 XXXX OO
X PEPPER DR
1702 •HOLLINGSWORTH Chris 619-442-8209 2
1709 •COLE Susan E OO 8
1713 •BLANKENSHIP L F 619-440-2087
1714 •ROOSA William F 619-447-2736
1725 •NAKANO Wayne K 619-440-0828
1726 XXXX OO
1731 HANSON William A 619-593-8856 5
1738 •NEGRI Mark M OO +9
1740 KELLER Bea 619-442-2754 +9
KELLER Warren 619-442-2754 +9
WARREN Keller 619-442-2754 7
1743 KAPA Wm 619-440-7675
X ARNHEIM CT
1747 •FLOREZ Lucy OO 7
1755 •OLSEN L G 619-444-2319 6
1761 •ZIETLOW David A 619-442-0073

JASMINE 92021 CONT
1766 STEWART Debra M 619-444-5666 +9
1773 XXXX OO
1778 •NOSRATPOUR Fariba OO 7
1786 •FORD Patricia L 619-593-8334 7
1787 •GIBSON B J 619-440-2021
GIBSON Jas J 619-588-1552 +9
1789 PARKER Don 619-444-5654 +9
1804 HARPER Blake 619-447-0995 +9
•REDMOND Donald Rev 619-444-1890
1805 PILON Alex 619-579-2799 0
1817 •DOUGLAS George S 619-593-5124 4
1828 XXXX OO
1829 XXXX OO
1830 XXXX OO
1831 •ALLEGRETTA Frank 619-442-5595
1833 •NG Won F 619-444-6218
1842 •ROACH Robt S 619-440-7127
1845 •SANDERS Earl 619-579-3870
1855 •MARCH Ronee D OO 7
1857 •SHAMSI Bahereh 619-444-4422
1868 XXXX OO
1869 •BRITTON David M 619-440-3946
1870 •RADY David M OO 7
1871 •SIGEARS Roger D OO 7
1882 •RODRIGUEZ John A OO +9
1883 •NOTTINGHAM Dennis 619-440-3613
NOTTINGHAM Dennis 619-588-4714 +9
1895 •BARWICK Darrell A OO 7
X CHATSBURY
1898 •COLE John J OO 7
1899 XXXX OO
1911 •ORTEGA Archie Jr 619-444-9920
1912 •GOLD Jeanne OO +9
1923 •PEDEN David L OO 7
1924 •PETERSEN James W OO 7
1935 CRESAP Dave 619-442-6062 8
•CRESAP Ellen 619-442-6062 8
1947 •ANDRIST Daniel A OO 7
1948 •BUSKA Bryan M OO 7
1950 XXXX OO
1961 •LONG Charles A 619-447-8433 2
1962 •ESPINOZA M 619-444-2631
1973 •DIAZ John C OO +9
1974 •PEKRUL Raymond A Jr 619-442-8482
1985 •STARK Claude T OO 7
1986 •LARSON Jeffrey M 619-579-0255 7
★ 0 BUS 62 RES 11 NEW

JASMINE WAY 91910 CHULA VISTA

WEALTH CODE 5.0

X SAYLOR DR
160 XXXX OO
167 XXXX OO
169 FONNER L P 619-427-2769 8
171 •SCALES Benjamin R 619-476-8208 3
172........ APARTMENTS
ARCHIBALD Frances K 619-427-1040
BACHRACH S S 619-691-8879
CONDON John C 619-426-5070 +9
COOPER Mildred D 619-422-0625 8
HORST Paul 619-426-4237 +9
KRATKY M 619-425-4106 3
MARTIN Margaret 619-409-1561 +9
MARTIN Robert 619-409-1561 +9
RICHEY Gerald 619-498-0380 +9
RIGGS John N 619-420-8677
RIGGS Marion 619-420-8677
STEWART Byron H 619-427-7056 +9
STEWART May 619-427-7056 +9
ZETTLER Warren B 619-425-2246 8
172........
173 NANN Chas A 619-420-6225 8
175 SEAVERNS Franklin O 619-426-9412 4
177 PINNEY Dollie 619-422-1859 7
•PINNEY Ralph 619-422-1859 7
X E
★ 0 BUS 22 RES 7 NEW

JASON 92154 SAN DIEGO

WEALTH CODE 5.0

X 15TH
1504 XXXX OO
1511 XXXX OO
1512 COX Jack 619-424-6231
•COX Patricia L 619-424-6231
1519 •MCCOLGAN Sean E 619-424-3330 1
1520 •DORADOAGUIL Ampelia OO 7
1527 •LIONBERGER Charles 619-429-6373
1528 •MOORE Donald L OO 7
1535 •ADA Jesus O OO 8
1536 •KELLEY Yuriko OO +9
1543 •LIZARRAGA Manuel 619-575-3446 6
1551 •ORIBELLO Eddie OO 8
1552 •TORRES Dolores OO 7
1559 XXXX OO
1560 •HELMBRECHT Gary 619-423-7538
1567 XXXX OO
1568 •NORTON Danny L OO 8
1576 •KEAN Ilda OO +9
1581 •PHAM Loan T OO +8
1582 ODONNELL Robert 619-575-9471
•ODONNELL Robert 619-575-0931
1589 STOKE Elaine 619-575-0500
STOKE Henry W 619-575-0500
1590 •MARTINEZ S A OO 7
1597 •POWNELL John W OO 6
X HERMES LN
1615 TOUSIGNANT Lila 619-575-2726
•TOUSIGNANT Michael 619-575-2726
1629 XXXX OO
1630 •ROTH Theodore E 619-423-5079 0
1635 XXXX OO
1644 •JOINER Orrin Cdr 619-423-3252
1645 •CORSI Jos A Cdr 619-429-5173
1655 XXXX OO
1660 •SCHAIBLE David Capt 619-423-2685
X TRANSITE AV
1731 •POE John F OO +9
1741 XXXX OO
1752 •WESTENDORF B 619-424-3112
1761 •PATTERSON Danny 619-429-8090 6
1762 ★ARROW APPLIANCE 619-239-1551 6
SERVICE
1772 GRAY Thos 619-423-4806
1781 MASON Lawanna 619-423-5336 +9
MASON Robert 619-423-5336 +9
•MASON Sue 619-429-5588
1782 XXXX OO
1791 •SIMMS William H 619-423-4486
X SIGNAL AV
1801 XXXX OO
1802 ★BROWN G E SERVICE 619-423-8760 8
★G E BROWN SERVICE 619-423-8760 +9
1810 •WHITTEKER Sam 619-575-5358

JASON 92154 CONT
1811 •MITCHELL Peggy A OO 8
1820 XXXX OO
1821 •DEOCAMPO Eliseo OO 7
1830 •STRICKEL G A 619-423-4401
STRICKEL Robert L 619-429-9706 +9
1831 LESLIE Anna L 619-424-9748
LESLIE Wm R 619-424-9748
1840 BAARSTAD Mark 619-429-6306
1841 •HAGE Harry Dennis 619-423-2640
1851 •BARCELLO Eddie W 619-575-9016 8
1861 XXXX OO
★ 3 BUS 56 RES 9 NEW

JASON PL 91910 CHULA VISTA

WEALTH CODE 3.0

X GARRETT AV
368 •HUANTE Alvaro H OO 7
374 •ANDERSEN G Jas 619-420-3720
375 •STONEHOUSE Don 619-420-4145
377 MARTIN Betty 619-420-3128
•MARTIN Theodore F 619-420-3128
★ 0 BUS 5 RES 0 NEW

JASPER AV 91911 CHULA VISTA

WEALTH CODE 5.0

1500 •GONZALEZ Irma OO 7
X JASPER CT
X ORANGE AV E
1501 •ESTRADA Joe OO 7
1502 •GORDSPE Edgar OO 7
1503 •AGUILAR Juan M 619-425-5623 8
1514 •VAZQUEZ Juan OO 7
1515 XXXX OO
1525 •KATHAN Geo L Jr 619-427-1306
1544 XXXX OO
1545 •KUNSKY David A 619-420-8895
1554 •ESPIRITU Carlos P OO 6
JASMIN Helen 619-476-0912 +9
1555 •FLETCHER Mitau K OO 7
1564 •MARTINEZ Armando G OO 7
1565 XXXX OO
1574 •MUGARTEGUI Antonio OO 8
1575 HUDSON James 619-476-7903 7
1584 XXXX OO
1585 XXXX OO
X JADE AV
1604 •LEGASPY Guadalupe 619-427-7304 4
1605 •MUNOZ Juan M OO 7
1610 BAXTER Gary 619-427-7239
•BAXTER Lynne 619-427-7239
1614 XXXX OO
1619 XXXX OO
1620 •ONG Camila G OO +9
1625 XXXX OO
1626 XXXX OO
1627 •MIRELES Gustavo R OO 7
1632 •FLAGSTAD Bryan J OO 7
1536 •LUEDTKE Sarah 619-422-3877
1538 •LEONARD John P OO 7
1540 •TOLBERT John OO 8
★ 0 BUS 32 RES 2 NEW

JASPER CT 91911 CHULA VISTA

WEALTH CODE 4.0

1460 •MARTA Jose L OO 8
1465 •MCMILLAN Nancy J OO 7
1466 •GEE Laura L OO 7
1474 •WATERMAN Harold F 619-420-8154
1484 XXXX OO
1494 BACON John 619-585-1649
X JASPER AV
X ORANGE AV E
★ 0 BUS 8 RES 0 NEW

JAVA LN 91945 LEMON GROVE

WEALTH CODE 6.0

X SARAWAK DR
1855 XXXX OO
1860 BUSTILLOS Gabriel 619-465-6627
•BUSTILLOS Grace 619-465-6627
1872 ★B STEINSTRA 619-469-4968 7
INC&ASSOCIATES
★STEINSTRA B INC&ASC 619-469-4968
1875 •PURA Jaime L 619-465-0577
1886 •LOMBAO Oscar A OO 7
1889 •PURA Della O OO 7
1903 •DECASTRO Antonio J OO 7
1910 •BROOKS Leland W 619-464-2369 6
★ 2 BUS 8 RES 0 NEW

JAVELIN WAY 91977 SPRING VALLEY

WEALTH CODE 5.0

X EUBANK LN
9901 VEERMAN Henri 619-303-1741 +9
VEERMAN Henri 619-303-1742 +9
9912 •COLBERT Timothy J 619-670-9739
9915 •DANIELS Andy 619-670-9915
9924 XXXX OO
9929 •WEIDETZ Carl J 3D 619-670-4364
9931 •NEAL Charles H OO +9
9950 •ALCANPARA Rayda P OO 7
9977 •RAMOS Maria OO 8
9986 XXXX OO
9997 •HERRILL W E 619-670-4476 2
X JAEGER RD
10001 •GEISLER Kinnon S OO 7
10009 •SALIWAN F C OO 7
10015 •BARBAT Salman O OO 7
10017 •TOPETE Raymond J OO 7
★ 0 BUS 15 RES 4 NEW

JAYKEN WAY 91911 CHULA VISTA

X MARSAT CT
1413 ★SEWING LABELS 619-423-5500 +9
★SIMI FASHIONS 619-429-9981 +9
1497 ★B C M ACCESSORIES 619-429-3473 5
★FERIA MAYA DSTRBTR 619-575-5043 5
1547 ★ELITE PICTURE 619-423-5888 6
FRAMES
★NEW LIFE PRINTING 619-424-9979 +9
1548 ★HEAVENLY ICE CREAM 619-423-0239 8
1563 ★CONTL LEATHER 619-575-8798
FSHNS
1564 ★L G B INC 619-424-3855
★NATUS CORP 619-424-3855 1
★PORTAL CRUZ 619-424-3855 8
1579 ★CHULA VST TOOLING 619-429-1715 8
INC
1580 ★O S I SECURITY 619-626-1000 8
DEVICES
1595 ★AERODYNE INC 619-424-3737 4
1596 ★AIR&HYDRAULIC EQUIP 619-575-8700 7
CO
★HYDRAULIC CONTROLS 619-575-8700 6
INC
X ANITA
★ 16 BUS 0 RES 3 NEW

JAYLEE AV 91977 SPRING VALLEY

WEALTH CODE 4.0

X CARLSBAD
8809 PORTILLO Matias 619-472-5994 7
PORTILLO Milandro 619-479-7463 8
8815 •CHESTNUT James M OO 7
8816 MITZEL Dale G Mrs 619-479-6868
•MITZEL Leola R 619-479-6868
8821 ROSE Kimino 619-475-5772
•ROSE Steven 619-475-5772
8822 XXXX OO
8827 XXXX OO
8828 •AFFLECK Patsy OO 7
8833 •BEAN Gregory J OO 7
8834 XXXX OO
8840 •BENRIMOJ Jacob OO 7
8845 •ACKERMAN Vinh C OO +9
8851 •BARRIOS M OO 7
8852 •BEETS Ronald OO 7
8858 •GARCIA Alfredo R OO 7
8863 •BAUMANN Edw Jr 619-479-1424
8869 •AMBROSE Lewis 619-479-8128
8870 XXXX OO
8875 XXXX OO
8876 •VANBUSKIRK Scott 619-479-5709
8878 XXXX OO
8881 •SOMMER Dale D OO 7
8882 •PARASKEVA A 619-479-6331 8
8887 XXXX OO
8888 XXXX OO
8893 •SHIPP Jack D OO 7
8894 RIVERA Francisco 619-267-8857 +9
X ELKELTON BLVD
★ 0 BUS 29 RES 2 NEW

JAYNIA PL 91945 LEMON GROVE

WEALTH CODE 5.0

X SAN MIGUEL AV
2711 •HINNERS Michael R 619-265-1046
2719 XXXX OO
2722 XXXX OO
X AMBER PL
2727 •RAMSEY Wayne 619-287-4234
2743 XXXX OO
2751 XXXX OO
X CEDRAL PL
★ 0 BUS 6 RES 0 NEW

JEAN DR 92115 SAN DIEGO

WEALTH CODE 5.9

4704 THOMASSEN R B 619-287-5364
•THOMASSEN Thomas B 619-287-3628
4720 •HALL R K OO 8
4725 •VITUS John 619-286-9959
4728 •PARRY Geo S 619-583-5950
4748 XXXX OO
4751 •LARSON Orville W OO 7
4758 MCQUAIDE John 619-229-0081 7
•MCQUAIDE Suzanne 619-229-0081 7
X ADAMS AV
4804 •RAMIREZ Antonia B OO +9
4807 XXXX OO
4814 XXXX OO
4826 •WILLIAMS Susan L OO 7
4829 •WOODS Timothy R OO 7
4834 MCGOVNEY Harold 619-582-0952 5
★ 0 BUS 15 RES 1 NEW

JEANETTE AV 91942 LA MESA

WEALTH CODE 4.0

X MARENGO AV
5701 ADNAN Syed M 619-589-8001 7
5707 XXXX OO
5710 •HOOVER Jos L 619-463-3376
5715 •LEA D 619-469-4002 +9
5720 •KINSELLA Dorothy H 619-469-5746
5723 •ALVARADO Diego E OO 8
5728 •ALDRIDGE Ann E OO 7
5729 •RILEY Kim S OO 7
5736 •WRIGHT Edw M 619-469-8205
5737 •DAOUINO Joao M OO 7
5745 •FESSIER Cindy 619-462-5076 +9
•FESSIER Peter 619-462-5076 +9
5750 XXXX OO
5759 •KAHAN Chas 619-465-0433
5767 •EARNEST Kenneth 619-460-0305
X CARLETTE
5783 •COLLAR Carol Lynn 619-465-5021
5789 HARTLEY Deb 619-303-1726 +9

JEANETTE AV 91942 CONT
HARTLEY Deborah 619-303-1682 +9
HARTLEY Deborah 619-698-2335 +9
X LAIRD
★ 0 BUS 19 RES 6 NEW

JEANNE RD 91945 LEMON GROVE

WEALTH CODE 5.0

7008 •WARNER Dant F 619-589-6181 8
7014 FLESHER Terry L 619-465-5678 +9
7019 LONG Donald L 619-461-1074 5
7022 GREAR Carl 619-644-1614 8
GREAR Shirley 619-644-1614 8
7023 NESTOR Carl 619-644-0841 +9
NESTOR Sonya 619-644-0841 +9
X CORNELIUS PL
★ 0 BUS 7 RES 3 NEW

JEANNE TER 92071 SANTEE

WEALTH CODE 3.0

10778 XXXX OO
10787 ERWIN Deborah 619-562-8861 7
ERWIN Mark 619-562-8861 7
10791 XXXX OO
10794 GIAMANCO P 619-562-2832 +9
KIEFNER Monique 619-562-4857
KIEFNER Scott 619-562-4857
X RIDERWOOD TER
★ 0 BUS 7 RES 1 NEW

JEANNINE LN 92021 EL CAJON

WEALTH CODE 2.0

X PERSIMMON AV
1259 KIMMINS Ronda 619-401-9872 7
1263 XXXX OO
1269 CARVER Barbara L 619-444-2533 6
★ 0 BUS 3 RES 0 NEW

JEB STUART RD 91906 CAMPO

427 BURRIS Anthony 619-478-2882 +9
428 XXXX OO
429 ★CAMPO SO BAPTIST CH 619-478-5941 2
431 GUNCHES John 619-478-2751 +9
GUNCHES Marnly 619-478-2751 +9
SAUCEDA Jose 619-478-2138 +9
524 XXXX OO
★ 1 BUS 6 RES 4 NEW

JEFF 92115 SAN DIEGO

WEALTH CODE 3.0

6206 MCMAHON J H 619-287-0642
6218 •WESLEY Shawn OO +9
6230 •BONAR Ivan E 619-582-8063
6235 •MIKLAVIC Carol OO 7
6248 XXXX OO
6251 XXXX OO
6261 •RAHDER Dave J 619-286-1329
6268 •MARTINEZ John P 619-583-8383
6269 DECKER Barbara 619-229-9640 +9
6280 HAMMOND William B 619-582-8949 +9
•HAMMOND Wm B 619-583-0233
6281 XXXX OO
6294 EWERT Bill 619-583-3053 8
LANGE Amy 619-583-3053 8
6295 •FOX Marty OO +9
6303 •WAGNER Carl A OO 7
6304 •BARRON Rosa M OO +9
6310 •SOE Philip 619-286-8911 1
6311 •KRUCHKOWSKI Steve 619-286-2858
6316 •SWITI John W OO 7
6317 BROOKS Rachel 619-286-7380 +9
6322 XXXX OO
6328 •FLAX Leida J OO 7
6329 XXXX OO
6336 •NEGULEFCU Irina OO 7
6342 •PILZ Robert OO 7
6343 •STRATTON Sally A OO 7
6348 XXXX OO
6354 •LONGBERG Norma D OO 8
6355 XXXX OO
6360 •FRAITAG Dorann OO 8
6361 •SKOGLUND W H 619-583-1890
6366 GALLEGOS Karen 619-287-3641 +9
•SHULT Roy E 619-582-8263
6367 REYES Enrick 619-582-2506 +9
6379 •SUGGETT J L 619-583-2599
6384 •GUZMAN Jesus 619-286-4919 6
6385 •DURANTE Thos G 619-286-7565
6390 •SALLE John OO 7
6391 •CLEMENCE Arthur G OO 7
6396 •GEARHART Thomas OO 7
★ 0 BUS 41 RES 8 NEW

JEFFER LN 91941 LA MESA

WEALTH CODE 9.0

X GRANDVIEW DR
4730 •SPEER Linda J OO
4750 MAIO Lawrence T 619-698-1399
MAIO Lawrence T 619-589-9669
MAIO Lawrence T 619-465-8824
4751 BRICKNER Grace 619-697-1096
•BRICKNER John S 619-697-1096
4791 •NEUMAN Donald R OO
4794 SEGAWA Tom 619-698-2651
4797 XXXX OO
★ 0 BUS 9 RES 0 NEW

JEFFERSON 92110 SAN DIEGO

WEALTH CODE 3.4

2320 XXXX OO

KEATS ST 2000

KATHERINE 92020 CONT..
2657 •GIESEMAN Ray 619-464-6865
2668 ★WILKENS NANCY 619-460-7592
2682 FUNKE Carl A 619-462-5058
2683 •WALSH Donald E 619-465-0222
X SEATTLE DR
2690 •MATSUMOTO Mana M OO +9
X BELLAIRE CT
2700 XXXX OO
2708 •VANDYNE David G OO 7
2721 •MURPHY Anna M OO 7
2733 •GEORGE Lily OO 7
2734 •FORTHUN Melvin 619-462-6995 8
X LOMA CT
2770 LEHAN June 619-668-0740 +9
•WELKER Bob 619-668-0740 4
2779 MADSEN Cal 619-466-0726
2785 XXXX OO
2793 XXXX OO
2794 XXXX OO
★ 1 BUS 39 RES 11 NEW

KATHERINE CT 92020 EL CAJON

WEALTH CODE 8.0

2504 XXXX OO
2507 XXXX OO
2532 XXXX OO
2544 •HARDISON James M OO +9
2548 XXXX OO
2552 •AGUIAR Antone L 619-698-9010
AGUIAR Antone L 619-464-3228
2564 •RUSH Michael J 619-698-7678
2568 •ZAWALNICKI Dawn M OO +9
2576 SUMMERS S 619-461-3023 8
•SUMMERS Stanley E 619-462-0817 1
2595 XXXX OO
2598 XXXX OO
★ 0 BUS 13 RES 2 NEW

KATHERINE PL 91941 LA MESA

WEALTH CODE 6.0

X 73RD
4604 •CONFORTI Donna M OO 7
GOOD Dennis 619-464-7616 +9
GOOD Donna 619-464-7616 +9
4605 XXXX OO
4609 •KELLER Dennis J OO 7
4610 •SHIELDS Gary L 619-465-7163 +9
•SHIELDS Gary L 619-303-1484 +9
4615 •GOMRINGER Gary W OO 7
4624 MCCLURE Andrew 619-465-7209 +9
4625 XXXX OO
4635 XXXX OO
4639 •MARTELL Glenn R OO 8
4640 •JOHNSON Richard A 619-466-7808
4645 •RAINS Ernest C 619-463-8390
4646 ★R H STUDIOS 619-697-9512 0
X SANTA MARIA DR
★ 1 BUS 14 RES 5 NEW

KATHLEEN PL 92105 SAN DIEGO

WEALTH CODE 2.0

X 56TH
2401 XXXX OO
2407 •FRANCIS Vannis 619-262-8513
2414 •TOOKS E M 619-262-8956
2415 •JOHNSONTHOMPSON L OO 7
2423 XXXX OO
2430 •SCHIMELPFENIG Paul 619-266-8141 1
2445 •WEBSTER Kim R OO 7
2446 MCDANIELTRAPP Randa 619-264-8655
2457 JOHNSON Betty 619-264-2781
•JOHNSON Willie 619-264-2781
2469 •JENKINS Calvin H 619-527-0491 6
2478 •SWIFT Sarah F OO 7
2481 •FULTON Albert OO 7
2493 MILLER Eric 619-266-8163 8
★ 0 BUS 14 RES 0 NEW

KATO 91942 LA MESA

WEALTH CODE 4.0

X MARENGO AV
8106 XXXX OO
X WAKE
X WENDI
8115 •SULLIVAN James A OO 7
8119 XXXX OO
8120 •CALVERT E R OO 7
8128 •BENSON John 619-697-0269
X HEIDI
8144 XXXX OO
8160 •HOWELL Paul A 619-464-0902
8161 •STRONG John 619-464-6335
X RAB
8168 ROBERTS Duane 619-462-5009 8
8176 •CARTY Susan G OO 7
8195 LACHEL Darren 619-697-7046 0
LACHEL Darren 619-697-6004 2
X DUGAN AV
★ 0 BUS 12 RES 0 NEW

KATY CT 91941 LA MESA

WEALTH CODE 7.0

4601 •NISAN H 619-668-0033 +9
•NISAN J 619-668-0033 +9
4602 •HASTINGS Steve OO 7
4612 XXXX OO
4626 •GAHRING Dean R OO 7
X MARKY WAY
4660 SCHWITZER Harver 619-697-4726
4681 XXXX OO
X GRANDVIEW DR
★ 0 BUS 7 RES 2 NEW

KAUSMAN 92139 SAN DIEGO

WEALTH CODE 4.0

PARADISE HILLS AREA

X GROSS
2709 •PERRY Sam F OO 7
2710 •ENGLISH Wayne A OO +9
2718 •BRYANT Isaac 619-470-1765
2725 XXXX OO
2726 XXXX OO
2735 •ANOUIANO Socorro OO 7
2745 BOYD Linda 619-472-8041 +9
2746 •NORTH Douglas F OO 7
2756 ELLIS W C 619-479-0733 0
•ELLIS W C Cdr 619-479-0790
2765 •KING Robt E USN Ret 619-479-3307
2775 •RILEY Raymond C Usn 619-479-1123
2776 XXXX OO
2785 XXXX OO
2786 XXXX OO
X DISSINGER AV
★ 0 BUS 15 RES 2 NEW

KAY JAY CT 92040 LAKESIDE

WEALTH CODE 3.0

X KAY JAY LN
13601 •GOTTSCH Leo W OO 7
13602 •HEREDIA Jennifer 619-561-3132 8
13607 NELSON Robt E 619-561-3438
13610 •WARDRIP Timothy R OO 7
13615 •BARNETT Steve E OO 7
13618 •CARLINO Anthony W OO 8
13619 XXXX OO
★ 0 BUS 7 RES 0 NEW

KAY JAY LN 92040 LAKESIDE

WEALTH CODE 3.0

X MAIN E
9053 •OSBURN Jimy 619-561-4573
9054 •EICHOLTZ Ronald D OO 7
9060 •WINING Karlene OO 8
9061 •JOHNSTON Mark 619-561-9023
9066 •ROBERTS Virgil R OO 7
9069 •THOMPSON William K OO 7
9076 XXXX OO
9077 WARD Jas E 619-561-2963
X KAY JAY CT
9084 •STALMER David OO 7
X LAS POTRAS WAY
9104 •CLELAND Matthew B OO 7
9112 •RAYBURN Reid A OO 7
9131 XXXX OO
X LAKEVIEW RD E
X LAKEVIEW TER
★ 0 BUS 12 RES 0 NEW

KAYMAR DR 92114 SAN DIEGO

WEALTH CODE 3.0

X MADRONE AV
361 •WILLIAMS Dorothy F OO +9
371 WASHINGTON Dian 619-262-1249
•WASHINGTON Mel 619-262-1249
381 XXXX OO
391 XXXX OO
X JACMAR AV
★ 0 BUS 5 RES 1 NEW

KEARNEY 91910 CHULA VISTA

WEALTH CODE 3.5

X 1ST AV
128 •SEYMOUR Willene J 619-420-9964
X ALPINE AV
132 VOIGTRITTER Karl 619-422-3080
138 •KINGMAN Frank K OO 7
142 •HAGAN Jim 619-425-8566 6
150 XXXX OO
158 •NEASE Michael H OO +9
X ELM AV
166 XXXX OO
170 •SCHWENCK Edwin J OO 7
176 XXXX OO
186 XXXX OO
189 •DREWETT Gerald E OO +9
X 2ND AV
218 •VARGAS Michael OO 7
X TWIN OAKS AV
X DELMAR AV
261 •VILLAGOMEZ Tony OO +9
270 BERG Joan M 619-420-1446 1
X CHURCH AV
283 XXXX OO
X 3RD AV
367 •OSBORN E O 619-422-0701
X GARRETT AV
398 XXXX OO
X 4TH AV
401 DUNKL Celia 619-420-4171
407 •SCHMERBAUCH Jennie 619-422-6258
411 •OUREN Dewayne M OO 7
415 •TAKAHASHI Robt F 619-426-6014
X GUAVA AV
419 •CRIPE T L OO 7
X FIG AV
423 •SCHNEEMANN Roland M OO 8
429 •COVINGTON Robert M OO 7
433 XXXX OO
437 XXXX OO
441 •TRAUBEL Oscar E OO 7
X BRIGHTWOOD AV

KEARNEY 91910 CONT.
X ELDER AV
X 5TH AV
NO# ★PENSKE TRUCK RENTAL 858-278-1343 7
★ 1 BUS 27 RES 3 NEW

KEARNEY AV 92113 SAN DIEGO

WEALTH CODE 0.4

X 19TH S
1726 XXXX OO
1734 XXXX OO
1742 XXXX OO
1752 SOLA Marcos 619-234-1097
1754 •GOURDIN Peter 619-234-7764 4
1756 XXXX OO
1770 ★OUR LADY GUADALUPE 619-233-3838
1772 XXXX OO
X BEARDSLEY
1810 XXXX OO
1812 •NAVA Jennie R OO +9
1816 XXXX OO
1818 XXXX OO
1820 •SORIA J Antonio 619-232-0398
1822 XXXX OO
1826 •SUAREZ Dolores M OO 7
1836 •ALONZO Maria D OO 7
1842 VALENCIAMANZO Adel 619-238-8365 5
1842½ LOPEZ Salvador 619-236-8735 7
1848 XXXX OO
1850 GALVAN Luis 619-234-5021 8
•GALVAN Nora 619-234-5021 8
1856 •VILLALVA Maria OO +9
1858 XXXX OO
1860 XXXX OO
1862 GARCIA Jesus 619-230-0055 7
1864 VILLALVA Maria 619-238-4796 8
1866 ★DANNYS PAINT&BDY SH 619-239-1585
X CROSBY
1932 XXXX OO
1940 XXXX OO
1950 XXXX OO
X DEWEY
2030 RIVERA Gaudencia 619-595-1563 7
2032 ALVARADO-F Jesus 619-231-3461 +9
2034½ ORTIZ Santiago 619-238-0108 5
2038 •VALDIVIA Hector 619-696-3487 7
2040 •PAZOS Frank 619-232-2709 +9
2042 XXXX OO
2044 KARAVASILES N 619-544-1058
2056 XXXX OO
2058 XXXX OO
2060 XXXX OO
2070½ •HERNANDEZ Abraham Lopez 619-234-4609 8
2078 XXXX OO
X EVANS S
2106 XXXX OO
2120 XXXX OO
2146 •WEBB Johnnie 619-234-5149
2148 XXXX OO
2152 MARTINEZ Rocio 619-234-6215 6
2160 •CASTILLO Estella 619-236-9604 8
2166 XXXX OO
2170 XXXX OO
2178 XXXX OO
2184 FLORES Jose Gilberto 619-696-6758 +9
2186 XXXX OO
2190 •FRANCO Frank OO +9
X SAMPSON
2202 OELEON Rolando R 619-232-4669 +9
GUTIERREZ Joanna 619-696-3497 8
SERNA Jose L 619-232-2725 8
2210 XXXX OO
2212 GARCIA Maria 619-232-1629 8
2214 XXXX OO
2218 SANCHEZ Josie 619-696-8855 +9
2220 XXXX OO
2230 •MESA Elvira OO +9
2236 •RODRIGUEZ Dani B 619-239-4204
2242 XXXX OO
2252 XXXX OO
2254 XXXX OO
2258 •AMBRIZ Rosa G OO 7
2262 XXXX OO
2266 XXXX OO
2272 BORDERS Jane 619-696-8104 +9
2274 XXXX OO
2284 ORTIZ Manuel J 619-232-3602
2290 BARAJAS Amelia 619-702-7192 +9
X SICARD
X MARCY AV
X LOGAN AV
X 27TH S
2395 XXXX OO
★ 2 BUS 72 RES 11 NEW

KEARNEY CT E 91910 CHULA VISTA

WEALTH CODE 7.0

214 RITCH Debora 619-420-7365
•RITCH John 619-420-7365
216 •HEBERT A W OO 7
217 XXXX OO
220 •FOLTZ B 619-420-9714 7
221 •HALE Mabel OO 7
226 XXXX OO
X MYRA AV
★ 0 BUS 7 RES 0 NEW

KEARSARGE RD 92037 LA JOLLA

WEALTH CODE 9.0

X ALBAHR DR
X CRESPO
1506 •GARNERO Alvaro L OO 7
1516 •HALKIN Hubert OO 7
1521 •WALTER Fritz 858-454-0917 2
1526 •STEVENS Mary C 858-454-6925
STEVENS Mary Chid 858-454-2730
1538 •DURHAM Robert J 858-459-7998
HOWARD D 858-459-1460 +9
X SOLEDAD AV
1598 •CAVALLARO Rosita M OO 7
1601 PATTERSON Colin D 858-459-8440 3
•PATTERSON L A 858-459-0039 4

KEARSARGE RD 92037 CONT
1606 ANGELMAN J D 858-454-4148
1610 •DAVIS Peter O OO +9
1626 •ROME Murray H OO +9
1630 •MCDONALD Steven P OO +9
1642 XXXX OO
1648 •BAKST Isaac OO 7
1657 XXXX OO
1665 WIESNER Mark G 858-551-3235 +9
1706 XXXX OO
1714 •ALLEN Daniel T 858-459-5401
1727 •MARILYN Carley OO 7
1730 •KAPLAN Robert H OO 7
1745 RUDEE M Lea 858-454-6239
★ 0 BUS 23 RES 6 NEW

KEATING 92110 SAN DIEGO

WEALTH CODE 5.1

X MCKEE
X INDIA
X TITUS
3553 XXXX OO
3557 GRACEY Peter N 619-297-5071 +9
3568 WILKIE Geoff 619-298-4092
X LINWOOD
3605 CASHMAN John 619-260-0924 +9
3609 •MITCHELL Edward OO 7
3611 ELLIOTT Harold W 619-299-1582 8
3620 XXXX OO
3622 XXXX OO
3624 XXXX OO
3625........ APARTMENTS
BOISONEAU L M 619-298-1658 +9
GORNY M 619-260-0447 8
GORNY Miroslaw 619-260-8471 7
JOHNSON Lee C 619-291-5019
MIDDLETON J F 619-291-6163
WALKER M J 619-297-1324
3625........
3626 XXXX OO
3628 XXXX OO
3630 HICKS James C 619-291-1130 +9
3632 XXXX OO
3634 MCCLOSKEY Scott 619-294-5800 4
3642 XXXX OO
3652 GOLDSCHMIDT Tracy 619-497-0572 6
3655 XXXX OO
3656 XXXX OO
3657 XXXX OO
3658 MARTIN E 619-294-2584 7
3659 GRANT Dawn P 619-291-4998 +9
3661 DITILLO Marisa 619-295-1037 8
3663 XXXX OO
3667 XXXX OO
3669 XXXX OO
3670 MAHAN Chris 619-294-2283
OVERTON Marcus L 619-291-0719 8
3671 XXXX OO
3673 XXXX OO
3675 FIETZE Arthur M 619-297-5685
ZUNKER Jane 619-297-5685
3676 FRANTZ Thomas 619-291-9293 8
•FRANTZ Thomas 619-291-9294 8
3677 XXXX OO
3678 •BOLMAN Peter 619-297-7860 5
3679 XXXX OO
3681 XXXX OO
3683 FLORACK Peter 619-294-4927 +9
3685 XXXX OO
3687 XXXX OO
3710 •MONCRIEF Douglas OO +9
3737 PEARSON Chad R 619-692-1583 8
3740 XXXX OO
X TORRANCE
3754 •KELLY Rory D OO +9
3765 XXXX OO
3766 XXXX OO
3768 •HOLMBERG James J 619-299-6546 7
3770 ★BURROWS DEAN 619-298-1992 +9
•FLITTON Alan R OO 7
3772 MORROW Phoebe 619-294-7079 +9
3776 LEE James W 619-299-4213 +9
3778 XXXX OO
3780 XXXX OO
3782 XXXX OO
3784 •PHILLIPS Lisa M OO +9
3786 XXXX OO
3787 BAUER Wm L 619-298-7338
CISNEROS Alma R 619-291-2072 +9
EFFIE J L 619-297-1433 +9
3789 KAESER Kyleen 619-297-3662 8
X NEALE
3812 ERENBURG K 619-297-5794 +9
JONES Christopher Todd 619-692-4105 +9
★ 1 BUS 67 RES 16 NEW

KEATS 92106 SAN DIEGO

WEALTH CODE 2.8

X SHAFTER
2810 PILCHEN Marc I 619-523-5278 +9
2812 SANTOS Wm P 619-223-4789
2821 GROSS Roy 619-222-2573
KURISHTA Bryan 619-224-5813 +9
MURRAY Sue 619-224-8027 7
2823 XXXX OO
2826 XXXX OO
2827 FREEMAN Mark S 619-523-1236 8
RUFFIN Gereron 619-222-9247 8
2830 RUIZ Peter 619-224-1938 6
SIMONEAU G Robt Jr 619-222-6013 7
WHITE Denis 619-523-0401 +9
2836 FISH Scott 619-224-1812 8
GARZA Griselda 619-221-0219 +9
PITTMAN Michael L 619-226-1382 6
2840 XXXX OO
2844 XXXX OO
X SCOTT
2905 XXXX OO
2909........ APARTMENTS
BOYD H James 619-223-9077
BOYD Magel 619-223-9077
CORLEY April M 619-758-0986 +9
JOHNSON Richard 619-224-3555 +9
KOKLICH Karl 619-224-3084 4
MOE Michael A 619-223-0206 +9
WALKER P A 619-221-3035 4
WINN Victor F 619-523-6436 +9
2909........
2929 XXXX OO
X ROSECRANS
3027 XXXX OO
3035 FLOOD Andrew M 619-223-2734 7
3045 •CARSON Glenn G OO +9
3047 XXXX OO
X LOCUST

KEATS 92106 CONT
3105 XXXX OO
3111 XXXX OO
3114 CATLETT Hubert A 619-226-2335 +9
3116 XXXX OO
3119 •SPIZMAN Mark OO +9
3120 HERRERA Alex 619-226-7536 5
3127 XXXX OO
3128 MARTIN M 619-224-6080 5
3130 PENADO Julia 619-224-6425 8
3134 GREGORY Ross 619-224-1864 2
3135 BRUNSON J W 619-224-9771
3136 XXXX OO
3143 XXXX OO
3144 XXXX OO
X EVERGREEN
3205 NUNES Domingos F 619-222-6713
•NUNES Eileen 619-224-6452
3211 •THOMSON Jas A 619-222-7409
3219 XXXX OO
3220 •ANTONIO Francisco 619-222-2780
3227 XXXX OO
3228 •LYERLA A E 619-223-8301
3235 •CRONE Grady A Mrs 619-223-7031
X WILLOW
X PLUM
3418 •TRAVIS Noel K 619-226-6777 5
3419 •NASCIMENTO Manuel 619-223-8813
3427 XXXX OO
3428 •GREEN Phillip L OO 7
3440 ALBERTSON Kenneth W 619-226-6901 +9
3441 LIES William C 619-224-2455
★ 0 BUS 59 RES 12 NEW

KEDZIE AV 92154 SAN DIEGO

WEALTH CODE 5.0

X PALM AV
710 •LOPEZ Paulo C OO 8
715 BERGEN Maryann 619-428-2407 +9
720 OSBORNE P E 619-690-5798
727 •MILLIS Danny 619-690-4265 7
730 XXXX OO
740 •INFANTE Conrado 619-690-1440
741 •BRANNEY F R 619-690-0118
750 •CONTRERAS Arturo OO 8
755 XXXX OO
760 •GUERRERO Rafael OO +9
767 •PALACIO J OO 7
770 •ZEPEDA Manuel 619-690-0389
779 •CORALDE Terry 619-690-0171
790 KELLY A M 619-690-6769
X RENE DR
★ 0 BUS 14 RES 2 NEW

KEELER AV 92113 SAN DIEGO

WEALTH CODE 1.5

4199 XXXX OO
4200 ★SOUTHEASTRN LITTLE LEAGUE 619-266-6206 4
4201 SARMIENTO Trinidad 619-262-6727 +9
4204 LOPEZ Cesar M 619-263-2964
4206 XXXX OO
4208 MCGREW Lucinda 619-527-9768 8
4211 XXXX OO
4212 XXXX OO
4213 XXXX OO
4222 ALATORRE Alberto Jr 619-263-2605 +9
4231 MEYERS R L 619-264-9232
•MEYERS W L 619-264-9232
4233 XXXX OO
4238 XXXX OO
4244 XXXX OO
X 43RD S
4316 THOMAS Ruby 619-262-5005
•THOMAS Ruby 619-263-1462
4317 REYES M 619-266-8976 +9
4322 •HENDRICKS W C 619-266-1403 6
4325 •MIRAMONTES Hector OO +9
SANDOVALMIRAMONTES Hector 619-262-1758 +9
4328 •ZAMBRANO Eva OO 7
4339 XXXX OO
4343 JONES J C 619-264-1545
4352 •GARCIA Jimmy OO 7
4355 •MCNALLY Alonzo E OO 7
4360 •ALLEN Lorella OO +9
ROBINSON Carlina 619-264-0695
4363 XXXX OO
4365 XXXX OO
4368 XXXX OO
4385 •SEGURA Celia 619-264-0424
4386 LYONS Dall M 619-264-1036 +9
X 44TH S
4404 •SEGURA Hector M OO 8
4405 RIVERA Josefa 619-264-3501 8
SALAZAR Jose 619-263-7065
4409 DAIC Ludwin 619-527-1924 7
•DIAZ Ludwin OO +9
4412 RODRIGUEZ Anacleto 619-266-2265
•RODRIGUEZ Gertrude 619-266-2265
4415 CAMPA Robert 619-527-8178 7
CAMPA Robert 619-527-5610 8
4422 SIMS L M 619-264-0717 8
4425 •HERNANDEZ Jesus F OO +9
4428 •WILLIAMS Nedra C OO 7
4433 XXXX OO
4434 •HUBERT L OO 7
4439 •JENKINS Sheila A OO 8
4440 MILLER Michael 619-264-5419 +9
4445 •NOLAN Latasaotosa 619-266-8085 +9
4446 •FLORES P M OO 7
4453 •COOPER Ethel L OO 7
4454 VARGAS Genoveva 619-264-1569 8
VARGAS Rosario 619-264-6045 4
4465 XXXX OO
X 45TH S
★ 1 BUS 54 RES 11 NEW

KEELER CT (97) 92113 SAN DIEGO

WEALTH CODE 0.0

1290 SMITH Jacqi 619-266-0158 8
SMITH Robert 619-266-0158 8
1294 XXXX OO
1295 XXXX OO
★ 0 BUS 4 RES 0 NEW

KEEMO CT (91) 92040 LAKESIDE

WEALTH CODE 6.0

8809 •TURNBULL Scott E 619-390-7349 1
8814 •ERICKSON Steve J 619-561-1629 1
8815 •NASCA Donna J OO 7
X KEEMO TER
★ 0 BUS 3 RES 0 NEW

KEEMO TER 92040 LAKESIDE

WEALTH CODE 6.0

12401 MURICO Kim 619-443-4807
MURICO Kim 619-561-2330
MURICO Kim 619-443-4814 7
MURICO Russ 619-443-4807
MURICO Russ 619-561-2330
MURICO Russ 619-443-4814 7
12415 •MARSH Timothy J OO 7
12416 MOORE J D 619-561-5644
•MOORE S A 619-561-5644
12429 XXXX OO
12430 •BELANGER John G OO +9
X KEEMO CT
12441 •HUERTA G M OO 7
12442 NIES Victoria 619-561-7283 +9
12454 •TERREBONNE Todd E OO 6
12489 XXXX OO
X VIA DIEGO TER
★ 0 BUS 15 RES 2 NEW

KEEN DR 92139 SAN DIEGO

WEALTH CODE 4.2

PARADISE HILLS AREA

X DUSK DR
2510 •SPILLMANN Luz E OO 7
2526 XXXX OO
2542 •PHILBROOK Michael 619-475-9773 1
2558 •SUNGAHID A C OO 7
2574 •MAPPS Jeff A OO 7
X VIEWPOINT DR
2601 •CORNISH Merle C 619-479-7263
2602 DULAC M M 619-479-5080
2610 •HICKS Keith M OO 8
2611 •MALLOY Susana B OO 7
2620 •NOBLES Norman R OO 7
2621 HERNANDEZ Carmen 619-475-7789
•HERNANDEZ Javier 619-475-7789
2629 XXXX OO
X CALLE QUEBRADA
2640 XXXX OO
2645 FRAUSTODELGADO Juan 619-267-2213 5
2648 •COWLISHAW Michael OO 7
★EAGLE MFG&ENGRG 619-479-4402 3
2653 •PREUSS Guy J OO 7
2659 XXXX OO
2664 •OHARA Joseph S OO +9
2667 XXXX OO
2675 •VELAZQUEZ Marco A OO 7
2682 •CESENA Miguel A OO 7
2692 •PASCOE John E OO 7
2693 XXXX OO
2702 BARRY Delores 619-479-7195
BARRY Geo 619-479-7195
2703 •HOBBS Glenn 619-479-1919
2710 •GONZALEZ Gilbert Jr 619-475-1093 4
2718 •MARKS Wm K 619-479-5023
2719 •HERNANDEZ Alberto 619-470-2651 8
2726 •DOMEZ Rafael M OO 7
2727 •SAMSON Ayvolyn OO 7
2734 SCIPIONE George Rev 619-475-4635
•SCIPIONE Ruth E 619-475-7162 6
2735 XXXX OO
X DISSINGER AV
2743 •WESLEY Dowell OO 7
2751 •TAUANUU Tisha OO 7
X HUTTON AV
2801 XXXX OO
2802 •CONNORS Walter J OO 7
2809 BARRAZA Marisela 619-470-8103 8
2812 •YALUNG Rodrigo T OO 7
2819 XXXX OO
2822 •MCKAY David M OO 7
2827 •WISHERD Bobby C OO 7
2830 •GAMPION P OO 7
2835 •CLAY Jack A OO 7
2836 •CASTILLANES Miguel OO +9
2843 XXXX OO
2846 ANDERSON Aj 619-267-3222 1
ANDERSON Wesley G 619-267-3222 1
2851 XXXX OO
2854 COATS Ralph 619-479-3603
2859 •BATES Ronald E OO 8
2862 •WEST Sylvia OO 7
2867 •AKEY Carol L OO 7
X LOCKFORD AV
2875 SMITH Betty 619-267-0708
•SMITH Thomas 619-267-0708
2883 XXXX OO
X PARKSIDE AV
★ 1 BUS 58 RES 2 NEW

KEENELAND ROW 92037 LA JOLLA

WEALTH CODE 9.0

9703 •LOOMIS Daniel 858-453-8220
9707 •DAMPIER Jack 858-452-5200 +
•DAMPIER Jack 858-452-6209 +
9711 SOLTERO Raluan G 858-457-4553 +
9712 •DIXON Ross 858-453-5750
9715 XXXX OO
9716 ★NUMAN DIMENSIONS IN MEDICAL ED 858-455-1402
MALONEY Orienne 858-455-1717
MALONEY William MD 858-455-1717
STRODE-Maloney Orienne 858-455-1717
9720 STEIGELFEST David 858-638-1933 +
9723 XXXX OO
9725 O'Neill Matthew 858-587-8767
9728 •LIMBER Peter 858-453-9927
9729 HARRIS Arlene 858-450-1756
•HARRIS Herbert 858-450-1756

TP	Adjoining	Source
-	✓	Haines & Company

NIMITZ BLVD 2000

..NIELSEN 92020 CONT..
2323 ★SAKKAB HANNA ARCHPRIEST 619-562-5065 +9
2331 ●JOHNSON Ralph Arvid 619-258-0643
2339 XXXX OO
2340 XXXX OO
2355 ●OSBORNE Ralph A OO +9
2363 ●FAULWETTER June OO +9
2364 ●FIGIEL Walter OO +9
2387 HOLDER Glen M 619-596-1961 +9
X NIELSEN CT
2407 JANTZ Herbert 619-449-8812 8
2411 ●RUIZ Pedro 619-562-8135
2414 XXXX OO
2415 ●METTI Patrick OO 8
2419 ●SOLIZ Rita A OO 7
2422 ●GILBERT C Y OO +9
2423 XXXX OO
2426 ●BROWN Eddy R 619-258-1579 6
2427 ●SACCONE E 619-258-9694
2430 ●SIM Ann G OO 8
2431 ★PIONEER COMMERCIAL CORP 619-448-0555 3
STEPHAN Razouk N 619-448-1499 3
2435 XXXX OO
2439 ●DAVIS Robert 619-448-7205
2443 ●SHAMIS Pyolr OO 7
2447 DALE Dick 619-562-7379
DALE Erica 619-562-7379
●DALE Julie 619-562-7379
2451 ●MCCARTNEY Alan OO +9
2455 BAILEY Micah 619-449-1058 5
●BAILEY Pat 619-449-1058 5
2458 XXXX OO
2459 TERNER L 619-258-3531 +9
TERNER S 619-258-3531 +9
2462 BUSBY Phillip Lyle 619-448-6604
2467 ●GLOVER George V OO 7
2470 ●JOOSTEN Andrew 619-448-4250 8
2471 ●SRAMMAS Larth 619-449-3830 +9
2474 ●UDA Jon 619-448-2455 0
2475 ●KARPATI George OO 8
2478 XXXX OO
X MANION
★ 2 BUS 53 RES 13 NEW

NIELSEN CT 92020 EL CAJON

WEALTH CODE 4.0

X NIELSEN
2332 ●PATTERSON Scott H 619-562-1511 0
2340 ●VANHERREWEGHE Carl 619-448-5763
★ 0 BUS 2 RES 0 NEW

NIGHT STAR CT (94) 91901 ALPINE

WEALTH CODE 5.0

X NIGHT STAR PL
2451 ●ANDERSON Jeffrey C OO 8
2456 ★PARADIGM INFO SERVS 619-445-0717 4
SCHEINER Gwen 619-445-0898 4
●SCHEINER Richard 619-445-0898 4
2460 ●CROWTHER Robt J 619-445-8728 4
CROWTHER Robt J 619-445-6170 8
★ 1 BUS 5 RES 0 NEW

NIGHT STAR PL (94) 91901 ALPINE

WEALTH CODE 5.0

X VICTORIA MEADWS DR
X NIGHT STAR CT
2468 ●MOSIER Darren J OO 8
2483 ●REYES Eduardo O OO 8
2487 XXXX OO
2488 ●CALLANAN L 619-445-0673 4
2489 ●SCHUMACHER James W OO 8
★ 0 BUS 5 RES 0 NEW

NILA LN 92020 EL CAJON

WEALTH CODE 8.0

463 ●PAYNE Matthew B OO +9
464 AZZU Ghisoon 619-444-4337 8
●AZZU Sam 619-444-4337 8
471 ●NORRIS B 619-447-3562
472 CONRAD Kathleen 619-444-7269
CONRAD Michel Tiffany 619-444-0474 8
●CONRAD Randall 619-444-7269
479 ●LEONARD Randall S OO 7
487 ROCKWELL Terry L 619-447-8628 +9
X AVENIDA ARRIBA
★ 0 BUS 9 RES 2 NEW

NILE 92104 SAN DIEGO

WEALTH CODE 2.9

2981 ●ANDRUS George Jr 619-282-3411
X QUINCE
3005 WINGARD K 619-641-7604 7
3013 XXXX OO
3019 BROTHERS C 619-283-7002
3020 BEAN Adrian M 619-516-3565 +9
3020½ ●MOODY B 619-284-5117 +9
3029 PANFIL Raymond C 619-282-5453
3030 SOBER H 619-528-1600 6
SOBER Pindell Randy 619-528-1600 6
3035 ●PONIO Gregory OO 7
3036 XXXX OO
3038 WHITAKER Angela 619-281-5177 +9
WHITAKER Paul 619-281-5177 +9
3045 HOLLENBACH Francis 619-284-0607
3046 ●TURNERKANGAS Alisa OO 7
3051 ●DUNNE Daniel J 619-563-1414 7
3053 XXXX OO
3054 XXXX OO
3056 YOUNG Jocelyn M 619-280-1539 +9
3057 ●COMPANIOTTE M L 619-281-4570
3062 SMITH Carl M 619-521-4875 8
3070 XXXX OO
3073 XXXX OO
3075 XXXX OO
3083 EBNER Robert 619-281-5881
●EBNER Wanona 619-281-5881

..NILE 92104 CONT..
3095 ●LATENDRESSE B 619-283-2450
X REDWOOD
3104 XXXX OO
3105 XXXX OO
3108 ●DRAKE D 619-516-1358 8
DRAKE D 619-561-3265 8
E Thompson 619-516-1358 8
3109 ●GRATE Lana E OO 7
3111 XXXX OO
3112 ●OBRIEN Anne T OO +9
3114 XXXX OO
3115 ●EVANS Michael K OO 7
3121 XXXX OO
3122 GIBSON Aaron 619-640-5803 +9
GIBSON Aaron 619-282-7402 +9
3124 XXXX OO
3125 GREEN Tavin V 619-516-4584 8
●STEENSON Linda L OO +9
3127 XXXX OO
3128 ●MCKIBBEN Shawn OO +9
3132 XXXX OO
3133 XXXX OO
3134 ●VANPOUCKER Leo J 619-283-6114 5
3136 XXXX OO
3137 XXXX OO
3139 XXXX OO
3140 ●BLANCHARD Neal OO +9
3146 ●GALEANA Thomas OO +9
3147 ●PENUELAS A L 619-282-8342
3205 ●BERKSTRESSER J R 619-280-2702
3206 XXXX OO
3208 XXXX OO
3210 XXXX OO
3217 ●NARVAEZ Rodolfo H OO +9
3219 XXXX OO
3220 BOMMARITO Ambrose 619-284-0903
3225 ●NAGY C R OO 7
3226 XXXX OO
3227 ●ENGLE Claudia M OO 7
3228 XXXX OO
3232 XXXX OO
3233 XXXX OO
3240 ALVAREZ Francisco O 619-282-9564 8
X THORN
3303 ●CHAVEZ Frank M 619-283-1942 8
3310...... APARTMENTS
FALZARANO Julia M 619-284-6351 3
HERBERT J 619-282-5365
POMPA Juan 619-516-1041 +9
RAGLAND S 619-280-8581 +9
THROOP Samantha 619-640-7941 +9
3310..........
3311 ●TRUELOVE Lisa G OO +9
3317 XXXX OO
3318 VALERIO Adolfo 619-282-9431 +9
3320 MEDVEDICK Stephen 619-282-4081
3322 XXXX OO
3323 XXXX OO
3324 XXXX OO
3330 ●CARDENAS Luci W OO 7
3333 MARTINEZ Robert B 619-282-2288 8
3335 ●MCCULLOUGH Evaline 619-285-1023 4
3336 XXXX OO
3338 XXXX OO
3342 ●WEDEKIND Eloise 619-280-9146
3344 XXXX OO
3345 CHURCH Angela 619-640-3874 +9
3347 FURLONG R 619-282-4752 +9
X MYRTLE AV
3403 ●SEVERNS P 619-282-9788
3404 XXXX OO
3406 MCCLELLAND Corrine L 619-284-2423 8
3411 GODWIN S A 619-280-1821
NIKOLAUS Hans L 619-280-1821 1
3414 XXXX OO
3416 XXXX OO
3418 XXXX OO
3419 HENSCHEID Chris 619-283-9703 +9
●SMART Joseph S OO 7
3420 VALDEZ Martha M 619-280-2421 +9
3422 XXXX OO
3424 XXXX OO
3426 XXXX OO
3435 ●BETEVIER Paul F OO 7
3438 BOOTH G W Jr 619-528-1955 5
3445 GONZALES Jan 619-282-9422
GONZALES Mario 619-282-9422
3446 NEYMAN Marie 619-281-5107
3447 XXXX OO
3502 XXXX OO
3510 JOHNSTON Kimberley I 619-640-9285 +9
3512 XXXX OO
3513 ●HELLERICH Jay T OO +9
3517 XXXX OO
3520 ●WHITE Christina 619-516-3259 +9
3521 MCLAREN Tamalene 619-281-1231 8
3522 ●PINA Kenneth A 619-283-2050 0
3526 XXXX OO
3527 XXXX OO
3533 XXXX OO
3538 ●BATSON Tammy OO +9
3539 ●MONDRAGON Manuel V OO 7
3542 ●JACOBS Irv OO +9
3543 ●ANDERSON Roxanne M OO +9
3546 BUENO Luiz C 619-282-3988 8
3550 XXXX OO
3551 FIECK Erin L 619-521-6779 +9
3552 XXXX OO
3558 MARTINI John 619-584-0901 +9
3559 XXXX OO
3560 ●GENTELLALLI Ramona 619-282-0303
3561 BLAISDELL Deanna 619-281-7274 8
BLAISDELL Richard 619-281-7274 8
3568½ CLARK John L Sr 619-516-4376 +9
3570 XXXX OO
3572 ANDREWS William 619-528-0733 +9
3574 XXXX OO
3576 XXXX OO
3578½ CLINTON Philip L 619-516-4946 8
3593 XXXX OO
3594 XXXX OO
X DWIGHT
3604 XXXX OO
3611 ●MARINAKIS Kostas 619-283-0459 0
3614 ●PINA Cathren 619-624-9600 8
3619 XXXX OO
3620 ●DODSON Elaine OO 7
3621 BAILEY William 619-640-2545 +9
3624 LOUGHNEY Christina 619-281-3756 +9
3631 XXXX OO
3633 XXXX OO
3634 XXXX OO
3642 ●HUBER Verna J 619-284-4884
3644 XXXX OO
3645 ●RODRIGUEZ Leticia D OO 7
3646 ●GRANDALSKI Lloe OO 7
3648 XXXX OO
3650 CARANO Richard 619-640-0488 +9
ROMERO Robert T 619-284-9192 +9
3652 XXXX OO
3653 ●DAVID Susan OO 7
3656 YAM Saing H 619-280-8072
3661 XXXX OO
3662 BATTELLE Tracy 619-516-4894 +9
3663 XXXX OO
3664 XXXX OO

..NILE 92104 CONT..
3667 ●STEIGER Anna 619-282-8331
3674 HORVITZ Jeffrey E 619-280-7151 8
HORVITZ Sarah 619-280-1384 +9
STEWART Aneatrah D 619-640-6595 +9
3677 XXXX OO
3682 ESCOBEDO Raymundo 619-280-6751 8
3695 TERRAZAS Julia 619-640-6585 +9
X LANDIS
3704 XXXX OO
3710 ●ENNIS Gail M OO +9
3718 ●WILLIS Warren E OO +9
3724 XXXX OO
3730 XXXX OO
3736 XXXX OO
3742 MAGANA Alfonso H 619-584-1374 8
3752 RIVAS Elena 619-281-4865 +9
★ 0 BUS 181 RES 43 NEW

NILE AV 91911 CHULA VISTA

WEALTH CODE 6.0

X EMERSON E
1165 DREDGE M 619-427-9347 +9
1168 XXXX OO
1169 ●SETTLE Frank L 619-426-6172
1172 XXXX OO
1173 ●BEALL John H 619-427-1564
1176 ●MOSSA Gary M OO 7
1182 ●SHEA Donald J 619-427-2182
1183 ●HUNT James W OO 7
1186 ●HUFF Jack S 619-420-8850
1187 ●COOK Ronald J OO 7
1190 ●MERSHON Eugene L 619-420-1768
1191 XXXX OO
X NILE CT
X OXFORD E
★ 0 BUS 12 RES 1 NEW

NILE CT 91911 CHULA VISTA

WEALTH CODE 6.0

X NILE AV
X OXFORD E
1204 ●WARIS William J 619-426-4552 7
1207 DYER Gary G 619-427-2358
1209 GONZALEZ Maria 619-427-6907
●GONZALEZ Simon 619-427-6907
1210 ●VANHOOK N R 619-420-0031
1215 XXXX OO
1216 ●NOJD E 619-426-1531
1217 ●JOLINE Beverly J OO 7
★ 0 BUS 8 RES 0 NEW

NILO WAY 92139 SAN DIEGO

WEALTH CODE 7.0

X OLAMAR WAY
1705 ●ASUNCION Russell L OO +9
1706 ●BOONE E N 619-475-4000
1711 XXXX OO
1714 ●LYTTON Roberta E OO 7
1719 ●VALENCIA Butch M OO +9
1720 ●DELOSSANTOS Kenneth 619-475-3220 8
1727 ●CHANDROO Teddy OO 7
1728 ●CHISHOLM Keith A OO 7
1733 ●BLANCAS Willie G OO +9
1734 ●GARDUNO O 619-267-0342 8
1741 ZOURA Faeez 619-479-7188 +9
1742 ●PERRINE Gale W OO 7
1748 ●LORIO Joseph A OO +9
X WESTBROOK AV
1755 ●CABALLERO Romeo R OO 8
1758 ●ESPANTO Glenn 619-472-5064 8
1761 XXXX OO
1762 ●DOMINGUEZ Denisa OO 7
1769 ●DELACRUZ Cornel 619-475-3735 1
1770 XXXX OO
1775 ●EOUSADA Adolf C OO 7
1784 ●OBANA C L OO 7
1785 ●GUINTO Betty J OO +9
1789 DELATORRE Roberto 619-472-5919 1
1790 ●BROOKS Karen H OO 7
1795 ●RABOY Marcelo L OO 7
1797 XXXX OO
★ 0 BUS 26 RES 8 NEW

NIMBUS LN 92110 SAN DIEGO

WEALTH CODE 7.0

X CIRRUS
1112 ●BROOKINS E 619-260-8282 +9
1113 XXXX OO
1115 ●EVELYN Rene H OO 7
1116 FRENCH D D 619-297-1576
OLSEN Charles D 619-297-1576
1117 ●CHAMPION Carl E OO 7
1132 ●ESSER Marian M 619-291-4615 0
1134 ●RUSH Trevor OO 8
1136 ●MCCLUSKEY David L OO 7
1142 XXXX OO
1144 ●POTTER William R OO 7
1146 ●SILBERMAN Craig A OO 7
★ 0 BUS 12 RES 1 NEW

NIMITZ BLVD 92106 SAN DIEGO

WEALTH CODE 1.8

2777...... APARTMENTS
BECK Kelly A 619-225-9907 +9
BOLGER M 619-523-5754 8
BURKHALTER R 619-223-7127 8
GRAY Joan E 619-523-3810 +9
JAHR Ryan L 619-758-1451 +9
MEAT-Coffey Tracey D 619-226-0504 +9
MILLER Robert 619-758-0901 +9
NIETO Evodio Juarez 619-222-6289 7
PIUS Santianna 619-222-6649 +9
SAKIEWICZ Zbigniew 619-223-9135 +9
2777..........
2811 ★C C D P S INC 619-523-3045 7

..NIMITZ BLVD 92106 CONT..
★GREER CONSTR CO 619-523-2201 2
★KRUPA MICHAEL C TAX CONSULTANT 619-223-1725 6
★REAL PROPERTIES GROUP 619-223-2244 7
★TACTIS LLC 619-222-5142 8
★TACTIS LLC 619-523-3650 8
2821 CVENGROS Robert J 619-223-7567 8
MILTON Manama A 619-758-9445 +9
2829 LAJARA Juan Carlos 619-523-0210 6
2845 ★ALBE JOHN A DDS INC 619-223-8179
★COLE FINANCIAL SERVICES 619-223-1655 8
★DONITA'S VACATIONS UNLIMITED 619-226-2776 8
★FEDERHART&ASSOC 619-226-0625 6
★INSITE ENVRNMNTL DSGN&ARCHTCTR 619-225-8905 6
★LAREAU RICHARD&ASC 619-222-0341 4
X SCOTT
2901 ★AIRPORT INN 619-224-3655 0
★HARBOR NIGHTS NIGHT CLUB&REST 619-523-5656 8
★HOTEL DIRECTORY AMER KORN AGNT 619-226-3115 6
★QUALITY INN AIRPORT 619-224-3655 4
X ROSECRANS
X LOCUST
3020 XXXX OO
3026 XXXX OO
3028 XXXX OO
3105 MEDEIROS Francisco 619-222-9745 2
3106 XXXX OO
3107 BAILEY Charles 619-222-2858 +9
3112 XXXX OO
3117 XXXX OO
3119 XXXX OO
3120 AUGUST Allen A 619-224-6447
AUGUST April Mae 619-221-9172 7
AUGUST Maria 619-224-6447
3121 PECHA Keith J 619-223-0120
3126 MENDEZ David 619-224-0246 +9
3128 XXXX OO
3129 ●REBELLO Angelo OO 6
3130 CLARK Dawnlee 619-523-1193 +9
3132 SCHWORM Philip 619-523-5706 +9
3134 ANGEL Maria Elena 619-226-1504 +9
3137 ARAGON Julio 619-224-1162 +9
3138 XXXX OO
3139 XXXX OO
3140 XXXX OO
X EVERGREEN
X LOWELL
3332 ●HALL M P 619-225-8452
3419 XXXX OO
3420 ●HERATY Peter 619-523-4860 +9
●HERATY Peter 619-523-4865 +9
X OLIPHANT
X CAPISTRANO
3615 XXXX OO
3625 XXXX OO
3633 XXXX OO
X POE
X CHATSWORTH BLVD

ZIP CODE 92107 SAN DIEGO

WEALTH CODE 6.0

3706 XXXX OO
3714 XXXX OO
X CENTRALOMA DR
X BERNICE DR
3774 ●OHLIN Kenneth G 619-222-8706
X ATASCADERO DR
X TENNYSON
3789 XXXX OO
3792 XXXX OO
3795 XXXX OO
X SEA COLONY CT
★ 18 BUS 49 RES 16 NEW

NINA CT 91977 SPRING VALLEY

WEALTH CODE 4.0

X HELIX
1942 MOLITOR Allan D 619-461-6807 +9
1966 BERTREM J Andrew 619-644-0081 +9
★ 0 BUS 2 RES 2 NEW

NINA RD 91945 LEMON GROVE

WEALTH CODE 4.0

2602 XXXX OO
2609 WILLOUGHBY Bryan 619-589-8586
WILLOUGHBY Helen 619-589-8586
2610 ●MORGAN Wm J 619-698-9725
2611 XXXX OO
2614 XXXX OO
2615 ●MARTINEZ Milton OO +9
2617 XXXX OO
2618 ●GUTIERREZ Gabriel OO 7
2621 XXXX OO
2622 ●BUCKLEY Leo T 619-469-9105
2623 MEDINA Estela 619-463-3294 3
2626 ●FLORES Everardo 619-460-0555
2634 XXXX OO
X SAN MIGUEL AV
★ 0 BUS 14 RES 1 NEW

NIPOMA 92106 SAN DIEGO

WEALTH CODE 7.0

X POINSETTIA DR
2708 ●ANDERSON Charles P OO 8
2709 BOEGE Joseph 619-224-4513 +9
2712 ●PURBAUGH Joseph R OO +9
2715 ●IMBRIE S D 619-225-1167
2716 ●SCHUETZ Daniel J OO +9
2720 YOUNG Reed 619-223-0155

..NIPOMA 92106 CONT..
●YOUNG Zella 619-223-0155
2721 ●KING Cecil 619-224-5548
2727 ●CHRISTY V L OO 7
2728 ●GRUBER Saml E 619-224-2390
2732 WILSON Stephen 619-226-4855 8
2733 ●TRUVER Mark B OO 7
2736 ●GRAHAM Alex G 619-222-4263
2739 ●GELB M Jack 619-222-4478
2740 EHMANN James 619-222-9994 +9
2745 NISSEN R O 619-222-3782 6
2746 ●HOLMAN Kenneth R OO +9
2751 XXXX OO
2752 XXXX OO
2757 ●TRUCKENMILLER Dale 619-223-0196
2758 MARTINEZ Peter R 619-758-9616 +9
2764 GRAVES Delbert B 619-222-7941
2769 AMBLER Byhoopes 619-222-7535 7
AMBLER Robert 619-222-7535 7
●AMBLER Robert L 619-224-7753 5
2770 ALTMAN Erik D 619-224-9890
IREDELL Theodore W 619-224-9890 2
2776 XXXX OO
X AMARYLLIS DR
2804 ●KUCK F J OO 7
2810 ●WOOD Glenn W Jr 619-222-2724
2811 ●MERRILL James E OO 7
2816 LAMB James K 619-222-7061
LAMB Melanie A 619-222-7061
2817 ●MACDONALD James D OO 8
2822 XXXX OO
2823 ●ROBINSON Scott 619-225-5884 4
2828 ★FLOODBERG DEVLP INC 619-223-1615 2
●FLOODBERG John E OO 8
★MISSN DUNES DVLP CO 619-223-1615 2
2829 ●CAUDILL Mike 619-523-2370 +9
KASIAH Michael R 619-523-2363 +9
2834 ●FEAGLE Robert 619-222-8146 0
2835 XXXX OO
2840 ●CIECHANOWSKI Eugene OO 7
2841 ●KARAUS E R OO 7
2846 ●WILLIAMSON Bernard 619-224-6688
2847 XXXX OO
2852 DAVIS Robt Eynon 619-223-1735
2853 MACY A 619-226-0857
MADIGAN Jeffrey 619-226-0857
2861 ●NELIUS Teckla R 619-223-7429
2875 ●QUON Marilyn OO 7
X NIPOMA PL
2911 ●BORNYEK George R OO 7
2917 ●LECLARE Charles F OO 7
2920 ●ABLES Kenneth E OO 7
2923 ●HAMMERS William E 619-223-1498
★ 2 BUS 54 RES 8 NEW

NIPOMA PL 92106 SAN DIEGO

WEALTH CODE 7.0

X NIPOMA
3802 ●AMANO Sam 619-223-0671
3806 ●DIAMOND Jane 619-225-8939 5
3809 ●CASEMIER Thomas A OO 7
3810 XXXX OO
3815 ●SANFORD Wm B 619-223-8272
3821 XXXX OO
3823 XXXX OO
3827 ●KENWORTHY A R Lcdr 619-222-4956
3829 XXXX OO
3831 XXXX OO
3839 DIETZLER John 619-222-4876 8
X LELAND
★ 0 BUS 11 RES 0 NEW

NIRVANA AV 91911 CHULA VISTA

X ENERGY WAY
1849 ★F J WILLERT CONTRACTING CO INC 619-421-1980 +9
1872 ★BUBBA'S PRODUCE 619-216-6206 +9
1879 ★ANAMAR SPORTS FISHING 619-216-3377 +9
★BORDER DISTRIBUTION 619-482-8658 4
★FRONTERA INTERNATIONAL INC 619-482-8658 4
1880 ★C&B STEEL 619-421-1158
1887 XXXX OO
1888 ★CROWN CHEMICAL CRP 619-421-6601
1891 ★G C E INDUSTRIES INC 619-421-1151 7
★GOLD COAST ENGR INC 619-421-1151
X OTAY VALLEY RD
★ 9 BUS 1 RES 3 NEW

NITA CT 91911 CHULA VISTA

931 KURUTZ Rosmary 619-426-8420 +9
★ 0 BUS 1 RES 1 NEW

NIXON PL 91910 CHULA VISTA

WEALTH CODE 2.0

202 PEACHER H A 619-422-2067
204 ●ROBERTS Roger D OO +9
208 ●STEAGALL C Jr 619-420-7642
209 BATTERTO Richard 619-422-0234
BATTERTON Richard 619-427-7451 8
211 SCHAFF D 619-422-1064 2
●SCHAFF Daniel 619-422-6756 2
X DELMAR AV N
265 ●ACTON Jss B Capt 619-422-1251
★ 0 BUS 8 RES 1 NEW

NOAKES E 92019 EL CAJON

WEALTH CODE 7.7

X HARBISON CANYON RD
117 WATSON Geo 619-445-9176
●WATSON Rose 619-445-9176
121 XXXX OO
X SILVERBROOK DR
224 ●HOLDEN C OO +9
234 ★DON SEAMAN CO 619-445-3932

..NOAKES E 92019 CONT..
●SEAMAN Don 619-445-3932
★SEAMAN DON CO 619-445-3932
X PATRICK DR
★ 2 BUS 5 RES 1 NEW

NOAKES W 92019 EL CAJON

WEALTH CODE 8.0

X HARBISON CANYON RD
105 XXXX OO
111 RATTAZZI R H 619-445-5355 +9
115 HOPKINS Robert 619-445-0542 4
116 LITTLE David 619-445-2326 3
LITTLE Michelle 619-445-2326 3
NELSON Mandy 619-445-6805 +9
119 ●PINKERTON Wm F 619-445-3076
120 ●SCHOLL Wm C 619-445-4722
123 BUIE Lori 619-445-4728 +9
126 JUDD David 619-445-1771 7
127 DEPALMER Perry L Jr 619-659-3230 +9
●RIOS Alfredo B OO +9
130 ●BOLZ T 619-445-8797
135 ●LAVULLIS Jacque L OO 7
X MILDRED WAY
205 ●ROYER Douglas OO +9
225 ●POLLARD James L OO +9
239 XXXX OO
251 ●STAINBROOK Dennis 619-445-1068 0
259 XXXX OO
X EDITHA DR
307 ●CRAMER Gary L OO +9
308 XXXX OO
311 ●KORDA Dana 619-445-8700
313 ●YOUNG Kevin OO +9
322 XXXX OO
325 ●POE Robt 619-445-3231
★ 0 BUS 25 RES 9 NEW

NOAKES RD 91941 LA MESA

WEALTH CODE 7.0

10600 ●TROCHANOWSKI A J 619-447-2348
10601 XXXX OO
10602 ENDEMAN Ronald L 619-440-2806
10604 RIEDMAN Richard M 619-442-6510
10611 ●SVIRSKY Maria OO 7
10620 TAYLOR Guy E 619-444-7019 +9
10625 ●PASTERKIEWICZ Kenne OO +9
10630 YIANNIS P 619-579-2499 +9
10635 ●HIGDON Thomas E 619-588-8494 6
10640 ●SELBY John R OO 7
X ALZEDA DR
10755 XXXX OO
★ 0 BUS 11 RES 3 NEW

NOBLE 91945 LEMON GROVE

WEALTH CODE 4.0

1816 XXXX OO
1818 XXXX OO
1830 ●DELEON Angel OO +9
1846 XXXX OO
1852 ●SEANEY Richard L 619-460-2736
1882 PEDLEY Parchehr 619-465-6131 5
X ELDORA
1904 XXXX OO
1906 XXXX OO
1925 HILDEBRANDT E 619-469-1033 2
1928 XXXX OO
1945 ●FLYNN Michael F OO +9
1948 XXXX OO
1957 ●CHENAULT Edward B OO 7
1960 ●SHEA Marsha E OO 7
1962 XXXX OO
1971 XXXX OO
1976 XXXX OO
1985 ●SPIVEY Jack 619-463-1710
1988 XXXX OO
X LAWFORD
2002 ●TOWNSEND James R OO +9
2010 ●REYES Rodolfo V 619-463-6908
2015 ●RANN Patrick A OO +9
2025 ●DOWELL Elmer A OO 7
2040 XXXX OO
2054 V E 619-461-5982 +9
2055 ●DEANDA Daniel C OO 8
RODRIGUEZ Maria 619-460-0536 +9
2060 ORTEGA Jose 619-465-6179 8
2067 WHITE Julius 619-465-6842 7
2075 MILLER Matt 619-698-0044
2080 ●GARCIA Robert OO +9
2090 ●TARDITI L J OO 8
2095 EISELE Patrick C 619-461-5628 8
★ 0 BUS 33 RES 7 NEW

NOCTURNE CT 91911 CHULA VISTA

WEALTH CODE 6.0

301 ●HELVIE Sheryl A OO 7
302 FROST Wm E 619-422-1639
ROSE Tncia A 619-427-4550 +9
305 ●DAVIS Calvin OO +9
306 ●VALDIVIA Hugo OO 6
309 XXXX OO
310 ●FUENTES Julio C OO +9
313 ●CAMPBELL Howard W 619-426-7675
314 ●ZOCH Donald G 619-422-8607
316 ●HATZ Jamie W OO +9
318 XXXX OO
319 ●WARNER Lynda W OO 8
320 ●WATERMAN Pamela 619-420-8924 8
322 ●ANDERSON C R 619-691-9590
X NOLAN AV
★ 0 BUS 14 RES 4 NEW

SHAFTER ST 2000

SHADOW HILL WAY (94) 92071 SANTEE

WEALTH CODE 2 0

X LARKRIDGE
11068 LAW Bill 619-562-1126 8
X HEATHERDALE
11132 ●RUSSELL Lee 619-258-4256 6
11139 ●NATION Faith A OO 7
11114 GARNER Beth 619-449-6025 8
★ 0 BUS 4 RES 0 NEW

SHADOW KNOLLS CT 92020 EL CAJON

WEALTH CODE 7 0

X SHADOW KNOLLS DR
1543 BRAEUNIG E C 619-444-3996 1
●BRAEUNIG E Chns 619-444-1248 4
1544 XXXX OO
1545 ●GALLIART Herbert H OO 8
★ 0 BUS 4 RES 0 NEW

SHADOW KNOLLS DR 92020 EL CAJON

WEALTH CODE 7 0

X CHASE AV E
X MONUMENT HILL RD
1504 XXXX OO
1509 MAUCK Bill 619-588-6168
●MAUCK Tina 619-588-6168
X SHADOW KNOLLS LN
1514 WIGFALL Dorris Edw 619-440-0332
●WIGFALL Mable L 619-440-0332
1517 XXXX OO
1521 XXXX OO
1524 XXXX OO
1530 ●LOMBARDO Sam J 619-440-1807
1531 ●JERMAN Matthew R OO +9
1535 ●SLOAN Evy B OO 7
1538 BARNES Gina 619-401-8986 +9
BARNES Mary 619-401-8986 +9
1541 XXXX OO
1544 ★MCKAY JAMES D 619-440-8708
MCKAY Jim 619-440-8708
●MCKAY Nan 619-440-8708
1547 ●WILLBANKS Robert H OO 8
1555 ●NASSER Jahed Y 619-447-5557
X SHADOW KNOLLS CT
1573 ●MARTINEZ James OO 8
1581 HATAY Mark 619-447-1798 8
HATAY Mark 619-447-8721 8
1582 XXXX OO
X SHADOW KNOLLS PL
★ 1 BUS 22 RES 3 NEW

SHADOW KNOLLS LN (90) 92020 EL CAJON

ND LISTINGS

SHADOW KNOLLS PL 92020 EL CAJON

WEALTH CODE 7 0

1801 ●ADAIR Raymond G 619-579-3572 5
1802 ●WILLIAMS Susann M OO 7
1809 ●GUERRANT A 619-440-1941 0
1810 ●BURSCH Hans H OO 7
1817 ●GORAYEB Shirley C OO 7
1824 XXXX OO
X SHADOW KNOLLS DR
1831 ●GUNN Lorenzo OO 8
1837 ●MOHEDIN Barzan OO 8
1843 GALVIN B 619-579-2529
★GALVIN BARRY 619-579-2677
●GALVIN M 619-579-2529
★ 1 BUS 10 RES 0 NEW

SHADOWLAWN 92110 SAN DIEGO

WEALTH CODE 3 0

X LOCUST
3110 XXXX OO
3111 ●RUSSELL E S OO 7
3120 XXXX OO
3121 MCRORY Michael P 619-223-7776 5
3130 XXXX OO
3141 XXXX OO
X EVERGREEN
3204 ARCHER Lynn V 619-523-5545 +9
3210 XXXX OO
2224 DANLY Edwin D 619-223-8447
DANLY Linda M 619-223-8447
3234 ●BHATTI Saleem A OO 7
X WING
★ 0 BUS 11 RES 1 NEW

SHADOW RNCH RD (90) 91941 LA MESA

WEALTH CODE 7 0

11304 ●MOLINA Amelia OO 7
11321 ●KRUEGER Ronald F OO 7
11335 ●DDISH David 619-660-8655 1
11348 ●KACHI Majid M 619-670-6737 0
11386 ●ALLSBROOK David N OO +9
11406 BOEDDEKER John 619-670-0052
BOEDDEKER Mary 619-670-0052
★BOEDDEKER PRDCTNS 619-670-0908 1
11413 ●ADIGOPULA V OO +9

SHADOW RNCH RD 91941 CONT.
11420 ●BAKER Lewis 619-670-1812 +9
●BAKER Lynn 619-670-1812 +9
11427 BEBLO Stephen A 619-670-5433 1
11434 ●BRIDGE John A OO +9
★HERITAGE POOLS 619-660-6121 1
11448 INNISS Bruce 619-670-3697
●INNISS Leah 619-670-3697
11462 GORDON Howard I 619-660-6020 +9
11476 XXXX OO
11490 ●RUSSO Karen 619-660-6167
RUSSO Mark 619-660-6167
11520 ●SALMO Deurayd N OO 8
11538 ●MARTIN Gilbert OO +9
11545 ●ATTISHA Raad Y OO 7
11555 OVERLUND J Philip 619-660-1125 +9
11559 ●DAVIS Maxie J OO 8
11574 ●CAYMIA Hani A OO 8
11577 ●MABRY Clarice L OO 8
11592 FONES Jim 619-670-3218 +9
★ 2 BUS 26 RES 9 NEW

SHADOW ROCK CT 91902 BONITA

WEALTH CODE 8.0

X BLACKSMITH RD
X FEATHER ROCK CT
4007 RUSSINO P W 619-421-9002
RUSSINO Thos B 619-421-7189
4013 ●HARRIS Steven OO 7
4014 ●BECKSTROM Jim OO 8
★ 0 BUS 4 RES 0 NEW

SHADOWSIDE LN 92019 EL CAJON

WEALTH CODE 7.0

1314 WEBB J C 619-579-9187
1315 ●REILLY L I 619-442-3206
X JAMACHA RD
1444 HUNTAMER David 619-447-0590
HUNTAMER Dustin 619-447-0590
●HUNTAMER Stephen B 619-447-5590
★ 0 BUS 5 RES 0 NEW

SHADOW VALLEY 91935 JAMUL

WEALTH CODE 8.0

2877 ●FONTAINE Paul D OO +9
2893 BROWN Don 619-669-1543
●BROWN Marcia 619-669-1543
★ 0 BUS 3 RES 1 NEW

SHADOW VLY RD 92020 EL CAJON

WEALTH CODE 9 0

11701 ●FISHER Richard D 619-442-8903
11702 XXXX OO
11710 ●PALMER P L OO 7
11711 ●MAUNU Howard E OO 7
11724 ●COHEN Kenneth OO 7
11731 ●VILLAESCUSA Martha OO 7
11734 ●HELPS Sharon K OO 7
11744 ●CRAWFORD George 619-442-7423
11751 ●JANET M OO 8
11755 XXXX OO
11765 ●JAMES Henry T 619-588-6556
11777 RODGERS C 619-444-5745 8
●RODGERS Chad 619-401-0977 8
11780 XXXX OO
X SHADOWGLEN RD
★ 0 BUS 14 RES 0 NEW

SHADOW VSTA WAY 92019 EL CAJON

WEALTH CODE 6.0

1522 XXXX OO
1524 ●NICKELL Dennis C OO 7
1526 ●BUFFO Charles R 619-442-6328
1528 XXXX OO
1530 ●VANDEWALKER Maxine OO +9
1532 ●HOPPE Kenneth R OO 7
★ 0 BUS 6 RES 1 NEW

SHADY LN 92021 EL CAJON

WEALTH CODE 6.1

X MAIN E
X MADISON AV E
220 .... CROWN TRAILER PK
AUGULETTO Donna 619-441-8495 8
★CROWN TRAILER PARK 619-447-7090
ELLIS Arlie F 619-579-8709 2
FLORES Valentin 619-444-4753 +9
GDULA Gerald 619-588-1890 6
GROSSMAN Clifford E 619-588-2905 8
HERRERA Santiago 619-593-4126 7
MURRAY Anthony B 619-447-4180 8
OWEN Rose 619-579-2773 +9
220 ....
233 .... VILLA CAPRI APTS
ADAMS Jermaine 619-590-0825 +9
ADAMS Jimmie L 619-590-1021 +9
ADAMS Tammy 619-590-0825 +9
ADKISON Brian L 619-447-8751 +9
AL-Sheikh Jim 619-447-8633 +9
APPLETON Barbara 619-401-7523 +9
APPLETON Russell 619-401-7523 +9
BANKS Thomas 619-590-0344 8
BARAJAS Leslie 619-442-3295 +9
EDMAN John R 619-447-2587 8
FENIZA Lorna A 619-447-8889 +9
FIGUEIREDO Edgar A 2D 619-579-5986 +9
FITZGERALD Charlette 619-593-2268 +9
FLUCKIGER S 619-444-3567 +9
MOXLEY Joann 619-401-8437 +9
MUDEK Andre 619-401-7429 +9
PHAN Thien 619-440-1715 6
ROGERS M 619-588-2712

SHADY LN 92021 CONT
SAKO Gerald A 619-401-7329 +9
SOUSA Edward M 619-440-2638 8
TRAMMELL David L 619-440-7524 +9
★VILLA CAPRI 619-442-1125
233 ....
244 .... APARTMENTS
BARKER Robert N 619-442-3259 +9
BEARDEN Harvil L 619-442-6387 +9
CORTEZ Carmen N 619-447-3648 2
HALE Carl 619-401-0809 8
IRWIN Janice 619-588-1680 +9
LUDWIG Fay 619-442-7129 5
MADDOX Ralph 619-442-5374 +9
MEASE Paul L 619-440-1353 0
MERKEL Sharon 619-444-5106 +9
MILLER Clayton H 619-444-3267 4
MOXHANZORICK Juan 619-440-2471
MUNAGOUE Domnador B 619-401-7948 +9
PUCKETT Russell R 619-442-6609 +9
STONE Robert J 619-401-8066 +9
244 ....
289 XXXX OO
301 .... COLONY COURT APTS
BROWN Hal 619-441-3793 7
BURNETT T M 619-447-2636 7
CATASUS Ireno 619-593-0557 +9
CLARKSON Helen 619-447-7647 +9
★COLONY COURT 619-444-4600 6
KASEMPONGTHONG Tanawat 619-440-8371 8
KERRIGAN Kerri-Ann 619-579-5653 +9
LOPEZ Socorro 619-440-2041 7
NAVES Misti L 619-444-3834 +9
PAUGA Joseph W 619-441-9505 +9
RINK Flor B 619-588-8498 +9
ROTHROCK Tom 619-593-8691 +9
SHIPLEY William L 619-442-7865 +9
SNOWTEN Cyisha M 619-593-0727 8
STAGGS James 619-590-0564 6
STEPIEN Arthur 619-579-7721 +9
TERRY Melissa 619-442-3860 6
TISDALE Dan 619-441-0763 8
TISDALE Dan 619-444-6152 +9
TISDALE Na 619-441-0763 8
TISDALE Na 619-444-6152 +9
VAIZ Raul 619-593-6815 +9
WALLIG Patricia A 619-440-5081 +9
WHITAKER Bobby E 619-440-5391 +9
WILCOX Donovan 619-593-8229 4
YOUNGS Amy 619-444-8356 +9
YOUSIF Khoshaba J 619-590-0639 8
301 ....
306 .... CASA EL CAJON APTS
BAKER E M 619-442-4263 +9
BREWER Venus G 619-579-7688 8
★CASA EL CAJON 619-440-1335 2
HENSON E 619-588-0519 +9
LEVIN Albert 619-441-6818 +9
MENELEY Lucille 619-401-7609 +9
NIEBOER Madelina 619-441-7530 7
POTTER B 619-579-5603 +9
★RIOS RUTH HAIR SALON 619-588-7020 7
TOPAZ Dan D Sr 619-593-4221 6
WALLING Joanne 619-444-2974 +9
WEEKS Norman 619-440-2533 +9
306 ....
308 XXXX OO
312 XXXX OO
314 GORGEES Kalid 619-588-2920 7
MELSITOV Mikhail 619-447-0197 +9
320 .... PHOENIX TERR APTS
ADAMS B 619-579-1984
AGNEW Elizabeth 619-440-7620 +9
BOERNER K 619-442-6219 4
BRADLEY Anyonna 619-590-0867 +9
BRADLEY Jay 619-440-5046
BRADLEY Theresa 619-440-5046
HOPKINS Richard 619-444-2838 8
LOIS Julia P 619-588-8335 +9
MCDERMOTT Joyce A 619-593-1761 8
MOHR Mary 619-444-5413 +9
SANDERS R W 619-442-6759
★SHADY TERRACE APARTMENTS 619-441-2551 +9
TALAMANTEZ M 619-447-6124 +9
ZWOLENSKI Belinda A 619-444-4883 +9
320 ....
338 XXXX OO
377 .... ANNIVERSARY APTS
★ANNIVERSARY APTS 619-447-5295
BERRELLEZ Javier 619-588-1500 +9
BLAKESLEY E 619-447-6102
BRILL Joel 619-401-6645 +9
BRILL Mona 619-401-6645 +9
DALE Harry L 619-447-9195
DIETZ Michael 619-440-4924 3
GOFORTH Janice L 619-401-9205 +9
GRANT K 619-593-8492 +9
HUCK Joan 619-444-0987 +9
JOHNSON Charlotte 619-442-8461
JOHNSON Jesse 619-442-8461
JOHNSON William B 619-579-0455 1
KOPPEL Jeanette 619-444-1409
KOPPEL Wm T 619-444-1409
MATHEWS Telena 619-447-5798 8
MONTE Domenic 619-590-0655 +9
PENNINGTON Jack 619-442-4761
RODRIGUEZ Mercedes 619-440-3595 +9
SCHUMAN E 619-447-6952
SHULZ Barbara 619-401-6606 +9
SHULZ Nick 619-401-6606 +9
STACEY Colette 619-447-6729
STACEY Joe 619-447-6729
THOMPSON B 619-444-1042
TURNER J 619-588-2544
WASINSKI F V 619-447-8250 7
WYLIE D M 619-447-1210
377 ....
380 .... APARTMENTS
KING James 619-447-2510 +9
KING Terry 619-447-2510 +9
MCCONNELL John 619-441-2400 5
MCKINNEY Margaret 619-588-6655 +9
MILLER Bonnie M 619-579-2097 +9
SAUNDERS John 619-444-0345 8
380 ....
385 XXXX OO
387 XXXX OO
388 .... APARTMENTS
BRASHEAR William 619-447-5345 +9
CLAY Richard D 619-593-6214 +9
COLE Ralph 619-590-1559 +9
CRUZ Ojeda Juvenal 619-444-5163 +9
DUMAWAY Keith 619-440-7952 +9
EASLEY B 619-579-2599 +9
FLORES Monica I 619-401-6692 +9
GONZALES Debra 619-444-2482 +9
GONZALES John 619-444-2482 +9
HASENSTEIN William C 619-401-7766 +9
JIMENEZ Victor 619-588-2879 +9
MARTINEZTORRES Israel 619-579-2787 +9
MCCLASKEY Trinity 619-593-7140 +9
OLIMONES Jose Ramon 619-593-7659 5
RIMMER Mike 619-593-1781 +9

SHADY LN 92021 CONT
SCHMITT Matthew A 619-401-6979 +9
SISSONS Forest 619-590-1693 +9
388 ....
389 JOHNSON Kelly K 619-593-8114 +9
MARQUEZ G 619-444-9243 8
MCINERNEY Richard 619-588-9202 4
POPHAM Mark 619-579-0593 +9
393 CRUZ Eloy 619-447-0742 7
SMIT C J 619-442-3929 +9
421 .... THE VILLAGE APTS
AIRSMAN Daniel B 619-447-8342 +9
CARDENAS Yolanda Lopez 619-579-6389 +9
CRANE Kathleen 619-401-2658 8
FOWLER John S 619-579-0722 +9
HERRING Kenneth 619-440-6895 8
SANDERS Nathan M 619-444-6974 +9
★VILLAGE THE 619-588-1563
WINDER Laura C 619-401-2586 +9
421 ....
422 COOPER B 619-442-9982 8
HOLT Warren C 619-593-8664 8
MULLIN Michael T 619-444-2062 +9
★SHADY LANE APTS 619-444-4938
SPENCE Nathan R 619-444-6748 +9
513 THOMAS Denzel W 619-440-6507 6
514 JAMES Frank B 619-444-2993 8
519 FRENCH H L 619-444-2902
KAYLIN Seymour 619-447-2204
PIVAL V 619-440-7236
520 XXXX OO
606 LEWIS N C 619-593-0460 +9
★ 9 BUS 174 RES 97 NEW

SHADY CREST CT 92020 EL CAJON

WEALTH CODE 8.0

1705 XXXX OO
1709 ●CASADY David L OO 7
1717 GRAEME Bud 619-448-1740
●GRAEME Norma 619-448-1740
1729 COHEN Jamie 619-596-7610 8
COHEN Todd 619-596-7610 8
X SHADY CREST PL
★ 0 BUS 6 RES 0 NEW

SHADY CREST PL 92020 EL CAJON

WEALTH CODE 8 0

X AVENIDA LADERA
1663 XXXX OO
1675 ●HAYHURST E G 619-582-0245
1678 XXXX OO
1692 ●BORJAN Cassie L OO 7
X SHADY CREST CT
1730 XXXX OO
1733 ●NICOLOSI Domenico 619-448-4555
1739 ●BARNES Jas Wm 619-448-1772
1744 CONWAY Robt J 619-448-1356
1749 ★MILLER ALLAN&ASSOC 619-448-8331
1756 JOHNSON Wayne A 619-449-5658
●JOHNSON Wayne A 619-449-0520 1
1778 ●GRAHAM Jas A 619-449-8636
1781 XXXX OO
★ 1 BUS 12 RES 0 NEW

SHADY ELM PL 92154 SAN DIEGO

WEALTH CODE 3.0

X ELM AV
918 XXXX OO
919 ●KIRKLAND John C 619-575-2059
928 CAMONA Maria R 619-575-3263 +9
MACIAS Elena 619-423-5023 +9
●MOLINA Reyes R OO 8
929 ●METHVIN Kenneth L OO 7
939 ●DUDAS Raymond J 619-575-5364
948 XXXX OO
949 ●CAFFEE Michael OO +9
959 ●PURSIFULL Kevin A OO 7
969 ●ISLAS H OO 7
X RED PINE DR
★ 0 BUS 11 RES 3 NEW

SHADY GLADE LN 92114 SAN DIEGO

WEALTH CODE 3.3

X CORALWOOD DR
7602 ●PEREZ Tina 619-479-9516 +9
7614 XXXX OO
7626 ●RIOS Vanessa 619-267-7753 +9
7627 XXXX OO
7638 ●VASQUEZ Jesus 619-475-5742 6
7650 ●SALCEDO Ricardo 619-479-6499 3
7653 ●WOMACK Frank A OO +9
7662 ●GOMEZ Lidia OO +9
7671 XXXX OO
7674 ●PADRIGAN Jimmy 619-472-5939 6
7683 ●SOLOMON Sami 619-470-2331
7686 BUGAWISAN Analiza L 619-479-8520 +9
●SAULOG R A OO +9
7693 ●YOUNG Toni M 619-470-1704 8
7696 VANPELT Jeremy L 619-479-0940 +9
X ARROWWOOD DR
7701 RODGERS A 619-479-6206
●RODGERS F 619-479-6206
7711 ●CHAVEZ Tomas 619-472-1533 2
7712 ELDER Reba 619-479-6977
ELDER Tony 619-479-6977
7722 DEMESA Cecilia A 619-479-1257 +9
7732 ●WEDGEWOOD Arthur J OO 8
7733 ●BENAVENTE Jose P OO 7
7742 ●FLEMING Chas O 619-475-0520
7752 ●STREETER Jerome OO 8
7753 ●HERNANDEZ Jose S OO +9
7762 TORRES Martha 619-267-5705 8
●URIBE Ricardo OO 8
7767 GARCIA Norma 619-472-8539 +9
7779 ROIZ Henry 619-479-3633
7782 ●EVANS William OO +9
7791 ●GARCIA Luis R OO 7
7792 ●PADILLA Raymond OO +9
★ 0 BUS 33 RES 12 NEW

SHADY OAK RD 92114 SAN DIEGO

WEALTH CODE 5 0

127 MANZANA Elvira 619-475-0568
●MANZANA Romeo 619-475-0568
137 ●EUFEMIA G D OO 7
146 ●TAPADAN Jose F OO 8
147 ●AYUYAO B A OO 7
154 ●ESCOBAR Edgardo 619-475-9109 2
162 ●DIMARUCUT G R OO 7
170 ●MACASIEB P F OO 7
177 XXXX OO
178 ●BAYUTAS Amel OO 7
186 ●FAVSTINO Diana D OO 7
187 ●WARD William OO 7
205 ●AQUINO Jose V OO 7
219 PASCUAL Efren 619-470-5650
●PASCUAL Elvira 619-470-5650
233 ●WILLIAMS Brian O OO +9
247 ●LIM Romeo R OO 7
261 ●FOJAS E C OO 7
275 ●JARAMILLO Rigoberto 619-267-8282 +9
289 ●PALACIOS Mike 619-472-8627 +9
X NORTHGATE
X WINDWARD
X BROOKHAVEN RD
★ 0 BUS 20 RES 3 NEW

SHADY PINE 91978 SPRING VALLEY

WEALTH CODE 5 0

X MOORPARK
2912 YALDA Kako 619-670-7764 +9
2918 ●EUGENIO Narciso P 619-670-1421
2924 ●ALLEN Jas 619-670-4749
2933 ●FLORA Ann OO 8
2936 ODISH Amer 619-660-9963 5
2939 ●CASTREJON Martha OO 8
2942 ●CHIARAVALLE Lynn OO 8
2945 STEVENS Christopher 619-660-1798 8
X PINE GROVE
2951 ●TAYLOR Cathy M. 619-660-8439
2954 ●POLITO Stephen M OO 8
2960 REED Charles 619-660-5490
REED Rebecca 619-660-5490
2966 HILANTO Adel 619-670-5698
●HILANTO Suad 619-670-5698
2967 ●WILLOUGHBY Paul G OO 8
2972 XXXX OO
2973 HELLER Dawn 619-670-0709
●HELLER Donald 619-670-0709
HELLER Donald 619-670-6268 7
2978 CHOPPIN Jack 619-670-3777 7
●CHOPPIN Linda 619-670-3777 7
2979 XXXX OO
★ 0 BUS 22 RES 1 NEW

SHADY SANDS RD 92119 SAN DIEGO

WEALTH CODE 6.0

X DICENZA LN
8054 NELSON Leslie 619-582-9071 8
●NELSON Mark 619-582-9071 8
8062 ●DIAMOND Nick L OO 8
8070 ●GARCIA Michael A OO 7
8079 RUNALLS Dan 619-265-8969 +9
RUNALLS Daniel 619-265-8962 +9
RUNALLS Terese 619-265-8969 +9
8087 DIXON Bruce D 619-287-8970 +9
X ROYAL GORGE DR
X WINDING CREEK DR
★ 0 BUS 8 RES 4 NEW

SHAFTER 92106 SAN DIEGO

WEALTH CODE 2.0

X UPSHUR
1055 ★DYNAMICS RESEARCH CORPORATION 619-523-3660 +9
★MAJA'S PIALTESBASED STUDIO 619-223-2025 8
★TAX TEMPORARIES INC 619-523-2565 7
1059 XXXX OO
1067 ★DRISCOLL CHARLES L 619-223-8167
★FLACHSENHAR JOHN J 619-223-8167
★WYATT FRANK MRN SRV 619-223-8167
1069 ★SCOTT B JONES YACHT&SHIP BRKRS 619-224-6025 +9
1071 ★WILSON FRANK&ASSOCIATES 619-222-5580 8
X CANON
1122 XXXX OO
X ADDISON
X SHELTER ISLAND DR
1229 ★FONTENEAU YACHT REPAIR&MNG 619-222-1632 7
1231 ★FISH'N CRUISE 619-224-2464 8
★SNYDER RON BROKER 619-224-2464
1233 XXXX OO
1235 ★THORYK ARCHITECTURE INC 619-523-9050 6
X CARLETON
X JARVIS
1618 SILLAS David 619-224-1367
1620 XXXX OO
1622 XXXX OO
X KEATS
★ 12 BUS 6 RES 2 NEW

SHAGGYBARK DR 92071 SANTEE

WEALTH CODE 6.0

X TIMBERLANE WAY
10002 ●PRESTON Julia S OO 7
10005 ●GAMEZ Ralph OO 7

SHAGGYBARK DR 92071 CONT.
10006 ●DORWORTH Richard L 619-448-1451
10011 ●BROWNELL Vernon OO 7
10012 ●BREESE Charles 619-596-1663 +9
10016 ●GRECO Vito T OO +9
10023 ●PERKINS Morris J OO 7
10024 ●MILLER David L 619-449-9358
10027 ●LYLE Gerald G OO 7
10028 ●KOLEBER Pamela OO 8
10033 XXXX OO
10034 ●WORTHINGTON Horace 619-562-1456
10041 ●STALNAKER John H OO 7
10042 ●GATHERCOLE John A 619-448-2984
10045 ●HILL Gary 619-449-0376
10046 HOFFMARK Jeannie 619-449-3659
●HOFFMARK Wm 619-449-3659
X IRONWOOD AV
10105 XXXX OO
10106 ●RAMSEY Richard T 619-449-2690
10111 XXXX OO
10112 ●HOTCHKISS Paul 619-258-5499 4
10117 XXXX OO
10118 ●MACARTHUR K A OO 7
10123 ●MCCULLAH C A 619-448-3139
10129 ●SCHATZ George E 619-562-8261
10130 ●QUENETTE Duane A OO +9
10135 NASRALLAH Musa 619-562-3879
10136 ●HAMILTON C 619-562-7790
10136 XXXX OO
10142 WHITNEY Donna J 619-448-4646
●WHITNEY Stephen A 619-448-4646
10148 ●SCHECK Ronald R 619-449-1756
★ 0 BUS 32 RES 3 NEW

SHALAMAR DR 92021 EL CAJON

WEALTH CODE 2.0

X PEPPER DR
7918 ●GROVE Rita A OO 7
7921 ●CALLEN Robert V 619-442-7853
7927 ●WILSON Randy 619-588-7433 6
7932 ●RONAN Linda K OO 7
7939 TAYLOR Ann 619-447-8506
●TAYLOR Frank 619-447-8506
7940 ●FLORES Calvin A OO 7
7948 ●WATKINS John D 619-442-5800
7960 TOMINIA Anthony T 619-447-7962
★ 0 BUS 9 RES 0 NEW

SHAMROCK 92105 SAN DIEGO

WEALTH CODE 0 0

2260 ●RICAUD Shannon M OO +9
2295 ●CRUZ Francisco J 619-284-3476 3
2297 BRYAN Charles S 619-584-4254 4
●BRYAN Charles S 619-584-1182 6
2303 ●STEELE Jesse OO +9
2309 XXXX OO
2314 XXXX OO
2315 WOODEN Willie J 619-281-9250
2317 ●LEDU Alberto OO 8
2320 XXXX OO
2323 ●HODGES Mark A 619-285-9063 8
2324 ●BAYTHAVONG Sunny OO +9
2331 XXXX OO
2333 WYETH Waylin 619-584-1215 +9
2335 ●HOOYEN D 619-283-3397
2342 ●PUGH Johnny OO 8
2345 ●ZLOCKI Michael J OO 7
2348 ●ROMANO Ann T OO 7
2351 ●YANNI Lisa M OO 7
2357 ●SHEPARD Ivory C OO 7
X SYCAMORE DR
2404 ●QUINTANILLA Oscar 619-281-0678 +9
2407 XXXX OO
2409 XXXX OO
2410 XXXX OO
2413 ●STUMP John W OO 7
2415 CARLSON Kristina 619-283-1307 +9
2422 XXXX OO
2428 ●BENSON Tom 619-283-0965 0
★TOM BENSON WOOD SCULPTURES 619-283-4690 7
2435 XXXX OO
★ 1 BUS 29 RES 6 NEW

SHAMROCK LN 92040 LAKESIDE

WEALTH CODE 2.0

9711 ●ULERY Carol L OO 7
9718 XXXX OO
9727 WYCKOFF Betty 619-443-3711
●WYCKOFF Chester K 619-443-3711
9730 PEIGHTAL Dorothy 619-443-5455
●PEIGHTAL William 619-443-5455
9736 XXXX OO
9743 PAUL H M 619-443-2705
●PAUL Sanford W Dr 619-443-2705
X WOODSIDE AV
★ 0 BUS 9 RES 0 NEW

SHANE PL 92115 SAN DIEGO

WEALTH CODE 4 0

6401 ●KEEN M M OO 7
6404 ●BROWN Stanley C 619-286-9657
6409 ●HUTH Robt D 619-583-8723
6417 XXXX OO
6420 XXXX OO
6425 ●MONSON Harold R 619-583-1680
6433 ●RUSH Donald E OO 7
6440 ●KOLENDER Marilyn OO 7
6441 XXXX OO
6449 ●KENNEDY Gwen I OO 7
6457 XXXX OO
X LADORNA
★ 0 BUS 11 RES 0 NEW

SHANESSEY RD 92019 EL CAJON

WEALTH CODE 4.0

1302 ●DAVIS Barbara B OO
1307 ●SPIRES Lawrence 619-447-5455

HARBOR DR N 1984

216
HARBISON AV —FROM 7200 BLK EL CAJON BLVD SOUTH

ZIP CODE 92115
4905 No Return
4915 No Return
4925 Hugg Celia ® 466-2806
4928★Quinn Wm J 465-4113
4930 No Return

904
HARBOR DR E —FROM PACIFIC HWY AT A POINT ½ BLK SOUTH OF W MARKET ST SOUTHEAST

ZIP CODE 92101
KETTNER BLVD BEGINS
5TH AV BEGINS
433 U S O Club 235-6503
501 Campbell Industries ship bldrs 233-7115
825 Port Of San Diego mtce ofcs 291-3900
8TH AV INTERSECTS
931 Papakube Densification Machinery (Mfg Plant) 286-7644
Paper Cube Co buy & sell wastepaper 233-5209
ZIP CODE 92113
1025 Van Camp Seafood Co (Cannery Div) 231-1911

905
SIGSBEE ST ENDS
1795 City Metropolitan Sewer Dist (Pump House No 5) 236-5600
BEARDSLEY ST INTERSECTS
1821 Vacant
1883 Vacant
CROSBY ST INTERSECTS
1905 Kelco Co (Whse)
1935 Kelco Co (Whse)
2025 Kelco Co (Eng Dept) 233-5149
2075 California Milling Corp flour 232-9121
SAMPSON ST INTERSECTS
2295 Atlantic Richfield Co oil producer & shipper 233-8979
San Diego Pipeline Co 232-2432
SICARD ST INTERSECTS
2351 Chevron-U S A Inc 232-3334
San Diego Petroleum Corp pet distr 234-5111
2405 Pan Pacific Fisheries (San Diego Ofc) tuna boat repr 239-3021
SD & AE RY CROSSES
BELT ST ENDS
2800 National Steel & Shipbuilding Co 232-4011
S 28TH ST ENDS
2805 Vacant
2931 National Steel & Shipbuilding Co (trans dept) 232-4011
3500 City Pumping Sta No 1

904
HARBOR DR N —FROM 500 E HARBOR ST NORTH ALONG SAN DIEGO BAY.

ZIP CODE 92101
570 Star & Crescent Boat Co chartering & renting serv 234-4111
W MARKET ST ENDS
650 United States Oceanography research
G ST INTERSECTS
W TUNA LA INTERSECTS
720 Fleet Landing pier 235-3534
930 Navy Pier
937 U S N Commander Naval Base San Diego (Admn Ofc) 235-3518
U S N Communications Sta 235-3374
U S N Commander Naval Base S D (Commander Ofc) 235-3511
Fleet Accounting & Disbursing Center-Pacific 235-3174
U S N Sup Center 235-3103
Chapman College (Liason Ofc) 232-7158
U S Naval Supply Center Building
960 U S Naval Reserve-Readiness Command Region 19 235-3811
Navy Pier Building
U S Military Sea Lift Command Unit 235-3731
W BROADWAY ST ENDS
1009 Berne's Hofbrau Inc tavern 234-1964
1011 International Longshoreman's Whsemn's Local 29 232-5772
1050 Shore Snack Bar 234-4111
Glorietta Boat-Ique gift shop 234-4111
San Diego Harbor Excursions 234-4111
1140 B Street Pier Office Building
Vacant
Rooms
1 Shreve & Hays Inc custom hse brokers 232-8941
4a Sterling George C Co mfrs rep 234-7796
4b Flight Classics custom made airplane mfr 234-5751
5 Petroleum Specialties Products fuel & oil conditioner sls 231-2728
6 Dunn J H Co mfr rep-food brokers 234-6578
6 De Anda Ruben coml illustrator 231-4702
7 Dept Of Commerce natl marine fisheries serv 293-6540
11 University Of California cooperative extension program 234-4033
STREET CONTINUED
1306 Benson Wm D model ship mkr 232-4887
Maritime Museum 234-9153
Star Of India Maritime Museum 234-9153
1355 Holiday Inn At The Embarcadero hotel 232-3861
At The Wharf Hair Designs For Men barber 232-7649
Bottle Hatch Liquor 234-8369
Embarcadero Room The restr & cocktail lounge 235-6411
Vacant
Greenway Brewer Newton Group Companies hotel mgmt 231-2427
Home Port The coffee shop 232-3861
Shell World ocean curios 236-1471
Ramsey's Gift Shop 234-3861
Vacant
Anthony's Harborside restr 232-6358
Johnson World Travel 236-0826
Sweater Box The womens clo 234-1314
1360 Anthony's Fish Grotto restr 232-5103
Anthony's Star Of The Sea Room cocktails 232-7408
W ASH ST ENDS
1820 Embarcadero Marine whol oil distr 233-6884
W GRAPE ST ENDS
W HAWTHORNE ST ENDS
2101 Lubach's Restaurant 232-5129
Netherlands Vice Consulate 232-8566
2201 Solar Turbines Intl 238-5500

906
W LAUREL ST ENDS
2700 Ye Dock Master (Stge)
2701 Teledyne-Ryan Aeronautical 291-7311
Teledyne-Ryan Electronics mfrs 560-6400
2710 U S Dept Of Trans (U S Coast Guard Air Sta) 293-5510
U S Dept-Trans Coast Guard (Reserve Training Cntr) 293-5866
US Dept Of Trans Coast Guard 293-5887
Dept Of Trans-U S Coast Guard (Marine Safety Ofcr) 293-5860
2930 Genl Dynamics Harbor Dr Fclty & Marine Tech Cntr (convair div)
2980 Vacant
3225 Pacific Southwest Airlines 574-2100
P S A Employees Federal Credit Union 297-3816
STILLWATER RD BEGINS
3380 Lockheed Missiles & Space Co (Ocean Laboratory) 569-8540
AIR LA BEGINS
3665 Commercial Building Maintenace 260-8310
Ace Auto Park 291-1343
Ozark Air Lines Inc 231-7379
Republic Airlines 231-7334
Sun Aire Airlines 291-3620
Allied Aviation Service Co porter serv 231-7680
Imperial Airlines 231-7060
Bar Chica cocktail lounge 231-5100
Budget Rent-A-Car 297-3318
Cabrillo Court restr 231-5100
California First Bank (Airport Ofc) 294-4340
Continental Airlines 231-5030
Marriot-Host East Terminal concessionaire 231-5100
Tele-Trip Co Inc travel ins 295-1501
National Car Rentals 231-7100
Pacific Southwest Airlines Inc 231-5505
Port Of San Diego (Lindbergh Field) 291-3900
Harbor Bar The cocktail lounge 231-5100
Travelers Aid Society & Airport Paging orgn-welfare 231-7361
United Air Lines 231-5600
Trans World Airlines 231-7343
3707 San Diego International Airport Lindberg Field 231-5220
American Airlines Inc 232-4051
Delta Airlines 239-3431
Conquistador Cocktail Lounge 231-5106
Host International Gift Shop 231-5103
Host International West Terminal concessionaire
Western Airlines 231-5353
3865 National Car Rental 231-7100
3871 Hertz Rent-A-Car 231-7000
3875 Avis Rent A Car System 231-7171
3901 Spanish Landing park
ZIP CODE 92106
4077 City Pumping Sta No 2 291-8208
4800 USn Fleet Anti Submarine Warfare Training Center 225-4405
US Navy Fleet Training Group 225-4102
U S Navy Training Command pacific fleet-training center 225-3401
Department Of Navy pacific fleet intell trng cntr 225-3326
4823 Butler Charles Chevron 225-1553
4865 Season's Pt Loma 222-2637
4873 Lost Knight cocktail lounge 223-3632
4875 Seapoint Hotel The motel 224-3621
Sand N Sea liquors ret 223-7991
Harbor View Associates 226-0451
Mc Bride Margt Literary Agent 225-0280
4904 San Diego Commercial Marina (Stge Yd)
L & W Communication Co supplies sls serv & repr 225-1522
Skelley Steve A
Galletti Brothers Food fish unloading sta 222-0760
4960 Bay City Marine Inc 474-8121
4975 Boise Cascade-Point Loma lbr-ret 223-7111
5005 Posada Inn At Point Loma hotel 224-3254
5043 North China Restaurant 224-3568
SCOTT ST INTERSECTS
5055a Western Fishboat Owners Assn 224-2475
American Fishermen's Research Foundation 224-7546
5055b Ralston Purina Co Van Camp Sea Food Co 224-3258
5055c Mar Azul Enterprises Inc mktg research 223-9850
Tuna Ventures fish brokerage 222-0318
5055d V G Travel travel agcy 234-0655
5055e Cavell Realty 223-3654
5055f Harbor Marine Ins Agcy 222-2212
5055h Wood Gary & Associates solar htg & cleaning equip sls 226-0933
5055i Vacant
5055j Fisherman's Union Local 33 I L W U labor orgn 223-0772
5104 Sun Harbor Marina
Melone Al Boat Covers 222-2694
True North Yachts yacht sales 222-1183
5120 Fisherman's Village restr 222-2876
5150 Tarantino's John Restaurant 224-3555

335
ROSECRANS ST INTERSECTS
5102 Point Loma Travelodge 223-8171
5104 True-North Yacht Co 222-1183
Benya John S
Melone Al Custom Covers uphol 222-2694
Melone Albert L
5120 Fishermans Village Seafood West 223-2876
5135 Office Bldg
Suites
A Hammett Lane & Madruga lwyrs 224-3202
STREET CONTINUED
5145 Snug Harbor Apartments
★Sumstine Chrles F 222-6307
5147★Gonsalves Francisco
5147½ Enriquez Evelyn M Mrs 224-6931
5149★Christie Richd
5149½★Bettencourt Antonio 226-0205
5150 Tarantino's John Restaurant 222-0010
SCOTT ST INTERSECTS

904
HARBOR DR W —FROM 100 HARBOR DR WEST

ZIP CODE 92101
803 San Diego Seaport Village shopping cntr 235-4013
803a Corner Collection antiques & gifts ret 232-7630
803b Poster Express antiques 232-9517
803c Magic Shop magicians sup ret 232-2921
803d Southpaw Shoppe The 239-1731
803e California Dreamin cards & gifts ret 233-3833
803f Stone Jeremiah
803g Bumper Snickers custom bumper stickers 232-2950
803h Wood Please all wood gifts ret 232-7618
803i Seaport Cruises Inc 234-4385
805a Art Bazaar 239-0855
805b Straw N' Stuff unique baskets pottery flowers 232-7204
807 Jolly Roger Restaurant 233-4300
809a Belgian Lion Kitchen Shoppe gourmet itchen items ret 239-5244
809b Puzzle Works puzzler & educ toys ret 230-1826
809c Fantasy World Of Toys toys 233-5414
809d El Macho Nacho restr 234-0998
809e Company Of Nuts The nuts & dried fruit ret 234-7688
809f San Diego Trust & Sav Bank (Seaport Village Ofc) seaport village ofc 238-6270
809g Crystal Palace Imports Corp 232-6096
813 His Lordchips Cookies cookies ret 234-6372
817a Shirtales t-shirts ret 235-0108
817b Soap Opera The soap & bath accessories ret 230-1300
817c Happy Holidays decorations 235-0301
817d Seaport Village Shell Co Ltd shells minerals marine art 234-1004
817e Something Special From Scandinavia gift shop 232-7160
817f La Casa Latina imported gifts clo ret 232-6049
821 Seaport Village Silversmith indian jwlry & recgs ret 232-0553
823a Montrose's-fine Jewelry 230-1919
823b Village Leather & Buckles Ltd leather goods & buckles ret 232-0504
825 Seaport Trading Co mediterranean india imports 237-1679
831 Harbor House Seafood Restr 232-1141
835a Whitt Krauss Objects Of Fine Art art gallery 232-2151
835b Fascination adult gift shop 232-6423
835c Upstart Crow & Co bookstore 232-4855
837a Skapa Designs hand crafted art & gifts ret 230-1355
837b Le Cadeau gift shop 232-0228
837c Apple Box The wooden toys ret 230-1818
837d Fudge House home made candy ret 234-6005
839 Holmes & Reynolds Development Co real est developers 233-1415
Mc Clenahan Geo R lwyr 231-3757
Hughes Van Vranken lwyr 231-3757
839a Shutterbug The camera & photo sup 232-2970
839b Personally Yours monograms accessories 234-2964
839c Village Mercantile kitchen wares & gifts 239-1740
839d Yankee's Landing ret apparel mens womens 234-2983
839e Freudian Slip lingerie & cosmetics 239-5804
849a Hug A Bear plush toys teddy bears 230-1362
849b Seabreeze Of Seaport Village womens clo 232-4488
849c Tile Shop The 233-3829
849d San Diego Seaport Village (Business Ofc) 235-4014
851a Photo Palace portrait photog 233-1496
851b Wee Willie Winkie Candle Shoppe 234-2440
851c Captain's Cove nautical gifts 234-5050
851d Max-Von Nikolaus Tobacconist tobacco & cigars 232-2938
851e Vacant
853a Kitty Corner young girls clo & gifts 233-6208
853b Village Hat Shop variety hats 233-7236
853c Super Shirts t shirts ret 233-3023
1 Seaport Travel Service 233-7601
855 Pollak Laura Galleries fine arts gallery 235-9763
857 Sega Center electronic game rm 232-6052
859a Village Ice Cream Maker 232-7221
859b A Few Of My Favorite Things gift shop 239-4101
859c Swings 'n Things hammocks swings 234-8995
861 Papaguyo restr 232-7581
863a Le Perfume Factory imported perfumes crystal 239-0801
863b Mugger The mug shop 233-4455
863c Vacant
865a Jolly Lolly lollipops & candy 234-2619
865b Safari Animal Collection gift shop 233-8577
865c Heart To Heart ret gifts 234-2989
867a Here Come The Clowns clown gifts 232-6053
867b Clear Horizon Glass Gallery blown glass & sculptured glass 234-0838
867c Seaport Kite Shop 232-2268
869 Sherre's Clothing ladies clothing ret
875 Broadway Flying Horses Carousel antique carousel 234-6133
879 Vacant
Vacant
879a Belgian Waffle Place restr 230-1880
879b Land Of China restr 234-1989
879c Mario's restr 234-0902
879e Greek Islands Cafe greek restr 239-5216
879f You Hot Dogs restr 239-5210
879g Viva Burgers 232-1055
881 Dimitri's Deli Wine & Cheese Shop delicatessen 232-7616
885 San Diego Pier Co restr 239-3968

904
HARBOR LA —FROM FT OF PACIFIC HWY NORTHWEST ALONG WATERFRONT

ZIP CODE 92101
535 Chesapeake Fish Co whol 238-0526
545 Camillo J J Brokerage Co seafood 238-1963
Deep Rock Abalone Co abalone processors 238-1963
J J's Jollyboat gift shop 238-0468
555 Anthony's Fishette fish mkt & restr 232-2933
565 People's Fish Co wholesale & ret 239-8158
585 Saccio's Fish Factory Restaurant restr 232-0151
San Diego Fish Co Inc seafood distr & processors 232-2095

904
HARBOR ST E —FROM 400 HARBOR DR SOUTHEAST

ZIP CODE 92101
601 Campbell Industries (Purch Dept)

906
HARBOR ISLAND DR —FROM SOUTH END OF HARBOR ISLAND NORTH

ZIP CODE 92101
HARBOR DR INTERSECTS
880 Reuben E Lee Sea Food Restaurant 291-1880
Reuben E Lee Sternwheeler Restaurant 291-1974
Reuben's Restaurant 291-5030
1380 Butterfield Stage Saloon cocktail lounge 291-2900
Fashion Quarter Sheraton Hotel clo 298-3331
Friend Of Harbor Island No 3 gifts-ret 291-3600
Sheppard's Restaurant 297-4355
Sheraton Grand Ballroom
Sundowner Lounge 291-2900
Sheraton Harbor Island Hotel 291-2900
★Filiault Don
Concierge tourist & guest serv 291-2900
Harbor Island Hairstyling 291-0999
Brigantine Rendezvous sea cruises charters 223-4105
1450 Rogers & Jordan ship & yacht brokers 298-7760
Cabrillo Isle Marina 297-6222
Boat Slips
★Abercrombie James E 297-6145
★Ball Ken 299-1517
★Beckett James 298-7970
★Beswick John L 298-2101
★Birer Eli 299-1615
★Bishop Winston 295-9418
★Bradt Kenneth L 299-8416
★Brown J Woodson 296-0642
★Bryant Bob 298-3051
★Byerly Danl 298-0999
★Carr Jack A 296-7492
★Carver Lee E 293-3016
★Chaplinski Kenneth A 291-8678
★Chapman Glenn L 295-2910
★Coe Thurston D 296-9008
★Coffman Walter 295-2374
★Colby Edw 574-7633
★Davison R W 291-8061
★Doede John 291-9091
★Drexel Frank R 295-7335
★Engelskjen Jeff 295-3004
★Englestad Richd 299-9378
★Fenton Martin 299-1084
★Franklin Richd H 294-9537
★Frazer G N
★Gordon Dale 295-8386
★Gordon Wm 294-9993
★Gunn Hanford 295-5075
★Haley Jack W 295-0596
★Horowitz Harold 295-1930
★Huff Victor 298-0768
★Kleinerman Ed 291-2720
★Machado Pablo Jr 298-1837
★Mc Gee Bud 295-0894
★Mc Laughlin T Wm 298-5635
★Mikus Michl 296-4684
★Moody Jerry 299-2559
★Myers Gary 295-9792
★Nielsen Robt N 296-4050
★Owen Terry 299-4352
★Plummer James R 299-4989
★Poulson H David 297-9568

JARVIS ST 1984

567
JAMESTOWN CT —FROM 1 WEST OF 5100 JAMESTOWN RD EAST

ZIP CODE 92117
4505★Coleman Stewart ◎
4506 Scales C Don ◎
4515 Trainor Donald T ◎ 276-1438
4516 Jenkins John L ◎ 272-4376

587
JAMESTOWN RD —FROM 5200 CONSTITUTION RD WEST THEN EAST

ZIP CODE 92117
5111 Ford Melvin E ◎ 274-0474
5121★Bimer Philip W ◎ 272-5518
REBEL RD INTERSECTS
5131 Calica Alex ◎ 275-1995
5141★Torkar Bob ◎ 273-1026
5151 Mahan Mary 273-4254
5161★Calica J
5197 Saiz Pedro Jr ◎
MILLWOOD RD INTERSECTS
5201 Palenske R A ◎ 273-6908
5202★Nelson Douglas 270-1346
5210★Neikirk John
5217 Wilkins Elroy W ◎ 276-3349
5220 Moffett Leonard ◎
5230 Ellingson Steph K Rev ◎ 274-3245
5231 Power Bernice Mrs ◎ 274-6496
5240★Decker John 483-3182
5241★Fernango Mark ◎ 274-3225
5250★Yahnke Wm ◎ 274-7295
JAMESTOWN CT BEGINS
5251 Lynch John G ◎ 270-0596
5260 Clayton Thos D ◎
5261 Newton Lynn E ◎
5270 Trombley Danl J ◎ 274-5867
5271 Vacant
5280 Casaels Danl 274-5867
5281 No Return
5291 Laurio Robt A ◎
JAMESTOWN WAY INTERSECTS
5301 Burdue Marion R ◎ 274-1589
5302★Terrell Tom 272-5370
5309 No Return
5312 Shepherd Donald K ◎ 273-4543
5317 No Return
5322 Binney Mike ◎ 270-4390
5325 Corbett Wm J 270-8845
5332 Nowak Edmond ◎ 274-5760
5335 No Return
5340 Rueckert Vera M Mrs ◎ 272-5108
5341★O'Hara Tom ◎ 270-4131
5348★Roddy John ◎
5358★Orrell Arth M ◎ 272-5537
5368 Clum Wm F 275-2804
5378 Michls Harold G 270-9180
5388 Cavan Instruments 483-2252
5398 Wells David L ◎ 276-5759
5408 Campbell Joseph S ◎
5418 Reynolds Donald L ◎ 273-1761
5428 Martin Clark ◎
5438 Hall D 273-7839
5448 Piccirelli Terry D ◎ 275-3848

567
JAMESTOWN WAY —FROM 1 WEST OF 5300 JAMESTOWN RD EAST

ZIP CODE 92117
4501★Macintyre Floyd B ◎ 273-7816
4510 Zimmerman Thos G ◎ 274-3609
4511 Overfield Kenneth W ◎ 273-4446
4520 Murphy Warren N ◎ 274-5858
4521 Lawler Edw J ◎ 273-2359
4530 No Return
4531★Pelton John ◎ 274-9210
4540 Wendler Wm E ◎ 272-3161

537
JAMIE AV —FROM 6820 DORIANA ST SOUTHEAST

ZIP CODE 92139
DOTI POINT DR ENDS
2156 Custodio Domingo ◎
2164 No Return
2172 No Return
2180 French Robin A ◎ 475-1233
2185 Delacruz Jimmy R ◎
2188 Curtis Chas ◎
2195 Rayad Cesar ◎ 479-2611
2196 No Return
FOWLER DR ENDS
2214 Quintanilla Ideomedia ◎ 475-0600
2215 Signo Victor ◎ 267-3743
2224★Ronde Robert ◎
2225 Vacant
2234★Wood Gary ◎
2235 Vacant
LEIGHTON CT BEGINS
2244 Tripp Michl F ◎ 479-1441
2254 Callado Levy C ◎ 475-3956
2264 Leonard John
WOODMAN ST INTERSECTS

54
JAMUL ST —FROM 462 CUYAMACA AV EAST

ZIP CODE 92113
4110★Valdes Fortunato ◎
4111 Hawkins Isa Mrs ◎ 264-0554
4114 Quadros Juan ◎ 262-8015
4117 Cherry Manuel ◎ 262-0458
4125 Thomas Mamie Mrs ◎ 263-1559
4132★Hake Jeffrey J 262-5257
4133 Hendrix Virginia Mrs ◎ 262-7176
4134★Jackson Judith
4141 Pimentel Efrian ◎ 264-8364
4149 Thompson Corean Mrs ◎ 264-9378
4153 Lagrone Priscilla Mrs ◎ 263-8525
4154 No Return
4157 Castillo Roberto
4158★Huston Rosealine
4160 Munir Adib 262-7280
4164 Tryon Mary K Mrs ◎ 264-2802
4170 Martinez Esperanza ◎ 262-3780
4172★Montiel Riegeal

183
JANAN WAY —FROM 6030 COZZENS ST EAST

ZIP CODE 92122
4310 Mayo Steph A ◎ 453-5708
4311 Beth Thos G ◎
4318 Vitalich Nicholas A Jr ◎ 453-5299
4319 Hefferon Thomas W ◎ 452-5094
4326 No Return
4327 Marincic Anthony F ◎ 453-2572

548
JANET PL —FROM 4640 LUCILLE DR WEST

ZIP CODE 92115
4615 Nelson Alric ◎ 583-5361

305
JANICE CT —FROM 9250 GEMINI AV NORTH

ZIP CODE 92126
10930★Loes Cesar ◎
10935 Vacant
10942 Taff Randall N ◎ 271-9058
10945 Vacant
10954 Ellertson Gary D ◎ 566-8146
10955 Cox Jim 693-1409
10965 Mumper Donald E ◎ 566-3451
10966 Henderson Clark 578-3455
10975★Weaver Edw H ◎ 566-8029
10978 Mc Millin Geo 578-1838
10985 Doliente Robt J ◎ 566-5139
10990 Avakian Vaughn V 566-2842
10995 Banfield Lorne ◎ 566-0941

57
JANNEY CT —FROM 1745 BURTON ST EAST

ZIP CODE 92111
6821 Cakerize Donald 560-0997
6822 No Return
6831 Lyons Sam ◎ 277-1771
6832 Kim Ikson ◎ 277-7190
6841 Barrera James ◎
6842 Montoya Larry ◎ 278-7527
6851 Weeks Troy R ◎ 292-9991
6852 Moran Guillermo ◎ 268-3701

269
JANUARY PL —FROM 4579 EXCALIBUR WAY NORTH

ZIP CODE 92122
8951★Le Compte A John ◎ 453-2398
8952★Hideo Dan 455-9549
8958★Hankins Dick 452-9756
8959 Haney Jim W ◎ 452-7473
8964 Mc Cormick Jay N 452-0597
8967 No Return
8974 Chu Hilbert K ◎ 452-9245
8975 Sanchez Fernando J
8984 Lewis Gary 276-7335
8993 Santonil Ross T 279-4657
8994 Woo Calvin
9005 No Return
9015★Rogers Will L ◎ 455-9954
9016 Hershenson Anna 455-5487
9025 Vacant
9030 Vacant
9035★Kaas J M 450-9835

171
JAPPA AV —FROM 4500 MELISA WAY EAST

ZIP CODE 92117
3214 No Return
3215 English Thos ◎ 273-0275
3225 Perritt Birtus D ◎
3234 Greaves Norma D Mrs
3235 No Return
3245 Crance Wm P ◎ 273-2768
3246 Clarke Donald J
3255 Sellars Joseph E ◎ 273-3882
3256 Gaines Robt H ◎ 273-2208
3265 Profeta Michl ◎ 276-0439
3266 Baumgartner Sophie S Mrs ◎ 273-0031
3276 Ryzdynski Beulah V Mrs ◎

335
JARVIS ST —FROM 2 SOUTH OF 1670 ROSECRANS ST NORTHWEST

ZIP CODE 92106
2806 Howe Robt 223-7236
2809 Furlong Philip B 224-3019
2810 Johnston Keith R
2811★Kirkpatrick Moira
2812★Mann Barry
2815 Artz Mabel M 222-9014
2817 Johnson S K 224-0396
2818 Case Grace H 224-4645
2819★Owens Todd 224-1256
2820 De Mott Barbara
2821★Stellar David 224-0153
2822 Kelley Mae V
2823 Tynen Mary-Ellen 223-8752
2825★Davis Kenneth
2827 Hernandez Sherene 222-5944
2829★Ghiq Sharon 224-7724
2831 No Return
2836 Rodrigues Manuel Jr 223-0764
2838★Mitchell Tom G 222-1391
2840 Ackerly Christin 222-8922
2842 Medina Manul J
SCOTT ST INTERSECTS
2901 No Return
2902 Clark Arron B 224-7731
2904 Campbell Glenn E 224-7238
2906 No Return
2908 Roy Rodney A
2911 Andrade Madelin M ◎ 222-8136
2912 Fickel Donna M 222-4039
2913 Motta Antone
2914 Jones Betty A Mrs 222-3371
2916★Pleskus A C 224-4319
2918 Pehl Linda 226-8258
2919 Curry Hilda Mrs ◎ 222-6295
Curry John E
2931 Yetter Emma G Mrs ◎ 224-5570
ROSECRANS ST INTERSECTS
3010★Akina Marilyn
3019 Loma Tree Service & Landscape Mtce 224-4968
Willis Yale 222-9589
3020★Bryant Roger 224-2277
3023★Rodrigues Janene
3025 No Return
3027★Booze Robin G 222-8035
3028★Bush Jeane
3029 Garsen Robt
3035★Winegar Robt
3036 Romero Lucia R
3037 Ruelas Alward
3045 Kublinski John W ◎
LOCUST ST INTERSECTS
3103 Snell Jeffrey H 223-9911
3104 Secord Deborah L 224-8396
3105 Mulholland Jeannette 224-7216
3107★Kenson S
3109 No Return
3110 Braz Orlando 223-3563
3110½ Bragadeste Alexandre 222-9704
3111★Luz Danl C 224-1112
3112 Sousa Maria T Mrs ◎ 222-6287
3113★Hafen Gregory 224-5532
3115 No Return
3115½★Catania Michl 223-8542
3117 Dos Passos Joao F 222-1561
3119 Medeiros Augusto
3120★Clark Paul D Jr ◎ 222-5773
3121 Ranieri Filomena Mrs ◎ 223-0335
3123 Olsen Bruce W 222-2223
3127 Furuya Geo ◎ 224-5201
3128★Plummer Charles H 222-5693
3135 Lucas Jose C ◎ 224-8661
3136 Whalin Mabel L ◎ 222-2109
Gervais Mabel L Mrs
3146 Silva Manuel J ◎ 223-0504
EVERGREEN ST INTERSECTS
3204 Quesma
3207 Nunes Mauricio F ◎ 223-3382
3212 Joseph Manuel
3219 Placido Anthony P ◎ 222-2627
3220 Rebelo Joel ◎ 226-6257
3227★Humphrey Patrick B ◎ 226-2007
3228 Fontes Jose S ◎ 224-9056
WILLOW ST INTERSECTS
3414 Heaton Robt
3421 Smith Katherine M Mrs ◎ 224-2663
3424 Vacant
3433 Vacant
3434 Cornelius Russell J 222-8064
3444★Farley Bruce 224-6757

515
JAVIER ST —FROM 4700 BLK LIMERICK AV EAST

ZIP CODE 92117
5218 Hensle Earl Jr ◎ 292-6029
5219 Gann Joseph ◎ 279-6536
5232 Rosson Ronald L ◎
5233 No Return
5246 Ott John N ◎ 279-0443
5247 Vacant
5260 Kear Norman R ◎ 277-8559
5261 Hubbard Ronald F ◎ 565-4894
5274 Winters Donald 565-2904
5275 No Return
5289 Kilpatrick Joyce Mrs ◎ 278-1041
5290★Korosy Joe ◎ 571-5944
5305 Broz Marilyn V Mrs ◎ 277-5781
5308 Estey Patricia D ◎ 560-9030
5319 Wheeler Dorothy J Mrs 279-1165
5322 Giaquinta Richd ◎ 277-0364
5333 Rodgers Richd E ◎ 278-8390
5336 Hoang Sang 565-1170
5347 Altig Chas ◎ 560-9084
5352 Fabian Carlos 571-5334
5361 Brents C 279-4047
5366 Whitney Florence E Mrs ◎
5375 Robbins Leslie L Mrs ◎ 292-1540
5378★Casas Jose J 565-2376
5390 Norrell Robt A ◎
5391 Cordle Anna K Mrs 273-7369
DOLIVA DR INTERSECTS

643
JAZMIN CT —FROM 10885 MONTEGO DR SOUTH IN A CIRCLE

ZIP CODE 92124
5331 Wilson Bernardine V Mrs ◎ 277-5239
5332 Settle Reed W ◎ 277-9578
5336 Bariring Michl P ◎ 292-9138
5337 Pejsa Joseph A ◎ 278-3390
5343 Korican James A ◎ 279-0837
5344 Roberts Larry A ◎ 278-8402
5349 Sanger Paul R 278-7452
5350★Thomas Helen ◎ 277-3414
5356 Shimamoto Robert K ◎ 279-3844
5359 Ayala Gabriel ◎ 279-3291
5362 Battaglia Joseph T ◎ 277-4435
5368 Barrett Wm R ◎ 560-9785
5369 Cvetkovich Paul ◎ 277-4415
5374★Banta Robt W ◎ 571-3658
5379★Slowiczek John ◎ 277-8785

548
JEAN DR —FROM 4700 MIRACLE DR SOUTHEAST

ZIP CODE 92115
4704 Thomassen Ruben B ◎ 287-5364
4720 Moorhouse William ◎ 286-3615
4725 Vitus John A ◎ 286-9959
4728 Parry Geo S ◎ 583-5950
4740 No Return
4741 Vacant
4748 Kozlowski Thos H ◎
4751 No Return
4758 Wolfe N Eva ◎ 583-5520
4804 No Return
4807 Grainger R O ◎ 287-6209
4814★Martin Glen ◎
4826 Radding Gene V ◎ 287-4759
4829 Rorig Estelle Mrs ◎ 583-0529
4834 Mc Govney Harold A ◎ 582-0952
4846 No Return
ADAMS AV INTERSECTS

478
JEFF ST —FROM 3900 COLLEGE AV EAST

ZIP CODE 92115
6206 Mc Mahon John H ◎ 287-0642
6218 Mize Hisae ◎ 286-7920
6230 Bonar Ivan E ◎ 582-8063
6235 Terry Herbert A ◎ 582-0297
6240 Jones David C ◎ 582-5733
6248 Avery Arvada
6251★Karey Marty E 287-0448
6260 Rinks Edw E ◎
6261 Rahder Dave J ◎ 286-1329
6268 Martinez John P ◎ 583-8383
6269★Gudino Henry J 265-2326
6280 Hammond Wm B ◎ 583-0233
6281 Fenwick John T ◎ 582-1496
6286★Weber Curtis ◎
6289 Miller David W ◎ 582-0712
6294★Thomas Peter H 287-3050
6295 No Return
6303 Wagner Carl A ◎
6304 Tarleton Thomas D ◎ 582-7475
6310★Phinney Allan J 287-8968
6311 Kruchkowski Steven F ◎ 286-2858
6316 Switi John W ◎
6317 No Return
6322 Licori Lois 583-2866
6323 No Return
6328 No Return
6329 Sardina Pasquale ◎ 582-6027
6336 De Baker Lloyd ◎ 583-8625
6337 Nelissen Fred ◎ 583-1321
6342 Peveto Gerald G ◎ 287-9477
6343 No Return
6348★Bakerwell Scott ◎
6349 Skeens Dorothy E Mrs ◎ 583-7640
6354 Niblett M A ◎ 287-6728
6355 No Return
6360 Chateau Donald T 286-8434
6361 Skoglund Willard H ◎ 583-1890
6366 Shult Roy E ◎ 582-8263
6367 Vacant
6372★Hoover Jamie ◎ 287-2680
6373 Coleman Otha R ◎ 582-0421
6378 Jacobson Mae K Mrs ◎
6379 Suggett Juanita Mrs ◎ 583-2599
6384 Udvarhelyi Glenn R ◎ 583-3978
6385 No Return
6390 Bowers Marian L ◎
6391 Clemence Arth G ◎
6396 Skeese James W 287-3314

23
JEFFERSON ST —FROM 3900 OLD TOWN AV NORTHWEST

ZIP CODE 92110
2326 Vacant
2328 Vacant
2332 Vacant
2340 Apartments
1 Vacant
2 Mosz D
3★Kelly Patk 692-0781
4★Glenday Helen
5★Lund J Mrs 295-5777
6★Eldridge John J 296-4744
2341 Whelan Kathleen
AMPUDIA INTERSECTS
2371 Herrera Geo J ◎
2377 Anholzer Edw H ◎ 298-2241
2383 No Return
2385 Mc Michael John R
2387★Bentley Ross 692-1594
ARISTA ST INTERSECTS
2405 Hernandez Antonia C Mrs ◎ 295-7434
CONDE ST INTERSECTS
2451 Vacant
2452 Gallagher Dorothy M Mrs ◎ 295-2554
2455★Mc Graw Jim W ◎ 291-7030
2460 Martinez Guadalupe C Mrs ◎
2466★Galban Jose 295-8358
2468 Eret Robt M 293-7407
2471 Small May
2471½ Crawford Eliz J 291-5565
2475★Phillips Annabel ◎
2482 Apartments
A No Return
B Grim G
C★Le Blanc Billie 297-3433
D★Slabe Nancy 260-0231
E Vacant
F Malkin Leonard P 296-9687
G★Goodman Marc J 296-5925
2485 Riveroll David
2487 Contreras Lena Mrs
2489★Montorossa Mario 295-6298
2490 Heimerman Carl J 574-0340

KEATS ST 1984

KEATING ST—Contd
6★Grupp R 297-2186
7★Lau Dennis 295-8371
8★Palacios D
9 Bigley Deborah A 296-2736
10★Kamimura Takeo 692-4402
11 Scherbaum John H 295-9721
12★Rogers B
3740 Faulkner Mark
3746 Whelihan Joseph N 291-3349
3747★Thompson Marshall F 299-0338
TORRANCE ST INTERSECTS
3754 Vacant
3765★Swanson Michl
3767 Vacant
3770★Ross L J 295-7367
3776★Kaplan T S 291-5305
3778 Leviston R H
3780 Castro Rebecca
3782★Atkinson J P 296-8961
3784★Alarcon Y 260-0746
3786 No Return
3787 Pepper Tree Apartments
A Eyers Colleen 296-9554
B★Duncanson Donnalee 296-4014
C★Saleny D L 692-1926
D Bauer Wm L 298-7338
E★Hansen F 296-7203
3789 Apartments
F Mashecco
G★Kregness Lisa R
H★Fenello Leroy
J★Entin W S
K★Moss J
L★Camberg W
M Gatlin Malinda L 299-4378
3812 Apartments
A★Ahlo Victor M 297-0751
B Abel S
C Carson Chris M 295-1286
D★Hardy Eddy 299-2414
E★Conrad Kent H 291-4249
F Liketzi Bryon V
G★Hoffman Peter 295-4885
H★Becker John 291-1147
I De Groot Len 294-9927
J★White Kenneth D 692-3645
K★Tripp Glen E 295-7169
L★Coleman J J 295-7620
M★Allin Norman W 296-4098
3871★Probst Fred 260-8414

335
KEATS ST —FROM 2 SOUTH OF 1600 ROSECRANS ST NORTHWEST

ZIP CODE 92106
SHAFTER ST INTERSECTS
2810 Keats Manor apts 223-2092
1★Gamoke Deborah
2 Salvani Antonio B 224-1635
3★Ona Elmer V 224-9434
4★Watters L A
12 Vacant
14★Ouellette P
15★Ghiringhelli S
16★Magistrado F
2812 Apartments
5 Vacant
6★Diehl Stacey J 225-0285
7 Vacant
8★Santos Wm P 223-4789
9★Aflague Lourdes
10★Hainey F
11★Aldrich M
2821 Apartments
1★Fisher R 222-8803
2★Willis Alwyn 226-2756
3 Jones M
4★Sherman Joel H 224-0669
5 Rhoades Golda S Mrs 222-4153
6★Akers Kathleen
7★Tunney Stanley N 222-3578
8 Sharp L
9 Gross Roy R 222-2573
10★Ring J 225-8152
11 Cullinan Eliz K 224-0913
2827 Apartments
1★Brashear James
2★Salazar M 222-1532
3★Gam Nancy
4★Johnson Dave 222-2932
5★Ruby Mark
6★Lesher Randall 224-6283
7 Harnack James A 223-1494
2830 Casa Verde apts
A★Ilariucci E
B★Robinson Henry 222-6429
C★Cramer Patrick
D★Howell P
E Siems Mark A
F★Graybush L
G★Burris Wm M 222-8683
J★Cook Thos 222-5505
K★Watts Curtis 224-6506
L★Rellinger Dawn 222-6341
M★Winner Hal S 224-1887
2838 Apartments
A★Lopez Lupe
B★Harritt Sherry
C Blackman Steven 224-6007
D★Pettersen Michl
2844★Heyniger Wm M
SCOTT ST INTERSECTS
2905 Mitchell Joseph S 224-2509
2909★Ellington Richd 222-3629
2911 Stucy Walter R Jr 222-5576
2919 Adams Lucier © 224-5164
2929★Cope John
ROSECRANS ST INTERSECTS
3021★Mahoney J J © 223-1391
3027 Vacant
3035 Kuklinski Stanley © 224-0133
3045 Oliveira Jose P 224-3022
3047 No Return
LOCUST ST INTERSECTS
3105 Brown Fred W © 224-5003
3111★Machantosh Jon A © 222-9765
3112 No Return
3114★Lala Jose
3114½★Vierra T
3116 Fernandes Felisbela Mrs 224-0762
3116½ Goncalves Rosaria Mrs 223-8519
3119 Costa Bernice Mrs © 223-6598
3120★Rivera Dianne 223-1044
3125 No Return
3126★Sousa Don
3127★Nelson L C
3128 No Return
3130★Dacquisto Anthony
3130a No Return
3134★Herbert E 223-6436
3135 Brunson Joseph W © 224-9771
3136★La Vay J ©
3143 Lira Luisa Mrs 223-1882
3144 Karosa Edw 224-1185
EVERGREEN ST INTERSECTS
3204 Jones Hattie C Mrs © 224-5503
3205 Nunes Domingos F © 222-6713
3211 Thomson James A © 222-7409
3212 Oliveira Jose © 223-6617
3219 Stanten Bill ©
3220 Antonio Francisco © 222-2780
3227 Naragon Glady P Mrs © 223-7038
3228 Lyerla Artie E © 223-8301
3236 Crone Constance M © 223-7031
WILLOW ST INTERSECTS
PLUM ST INTERSECTS
3418 Wedge Frances © 223-8959
3419 Nascimento Manuel A © 223-8813
3427★Johnson Wm T Jr © 222-1849
3428 Green Phillip L ©
3440★Hamilton Judy E 226-6901
3441 Delaney Pauline E Mrs © 222-3143

46
KEELER AV —FROM S 42D ST EAST BETWEEN NEWTON AV AND BOSTON AV

ZIP CODE 92113
4201 Duckworth Armeania R Mrs ©
4204 No Return
4206 No Return
4208 Morris Polly 263-9965
4211★Prior Danny
4212★Lopez Cesar M 263-2964
4213★Hill Laura 264-7075
4222 Pinckney Oliver 263-0842
4230 Moreno Raymond ©
4231★Lewis Annie Mrs
4233 Clay Exmond A 263-2744
4236 Fowler Charles B ©
4244 Vacant
56
43D ST INTERSECTS
4316 Thomas Ruby Mrs 263-1462
4317 Corey Gordon H © 264-2240
4322 Hall Odessa Mrs © 264-5149
4325 Ross Iva A © 262-1552
4328 Ricca Edw E ©
4331 Cooper Ruby L Mrs
4338 Dickens Wallace E ©
4339 Fortenberry Jerome Jr ©
4343 Jones James C 264-1645
4346 Smith Ethel L Mrs 264-3947
4352 Bermudez Jesus © 264-8242
4355 Mc Nally Alanzo E © 263-9986
4360 Robinson Carline H Mrs © 264-0695
4363 Vacant
4365 No Return
4368 Charity Leroy
4379 Burks Clifford
4382 Carter Moice Mrs
4385 No Return
4386 No Return
S 44TH ST INTERSECTS
4404 Baldonado Elmer K © 262-0111
4405 Hayes D H © 262-1669
4409 Clemons Timothy Rev © 264-9115
4412 Palmer Emerson W © 262-0604
4415 Campa Robt M © 262-6217
4416 Cannon Henry W ©
4421 Ellis Nathan Jr
4422 Sims Douglas B 264-8648
4422½★Dale Lisa
4425 Woodridge Andrew L
4428 Matthews Charles A © 263-1719
4433 Poindexter Romell L Mrs ©
4434 Washington Phillip W
4439 Watson Burnell Mrs © 262-6814
4440 Nickson Lena M Mrs © 264-6785
4445 Nolan Eddie ©
4446 Nelson Wyman R 263-7015
4453 Cooper Ethel Lee Mrs ©
4454 Mayfield Bessie Mrs © 262-6387
4465 Duggan Jeremiah J © 264-1850
S 45TH ST INTERSECTS

180
KEEN DR —FROM 2500 DUSK DR SOUTH

ZIP CODE 92139
2510 Paguio Chareen
2526 Mariano Gregorio S © 475-0776
2542 Carrigan Michl A © 475-3448
2558 Sungahid Alejandro C © 479-7840
2574 Mapps Jeff ©
2595 Scherkenbach David J © 479-2108
CAL QUEBRADA INTERSECTS
2601 Cornish Merle C 479-7263
2602 Dulac Arth F © 479-5080
2610 No Return
2611★Garcia Jorge © 475-7417
2620★Postma Tracy L © 267-7948
2621 Easter Harold G Jr © 479-0179
SEASCAPE DR ENDS
2629★Perez Jovita F 479-6754
2632 Watson Kenneth W © 479-1037
2637 Dreas Donald R © 479-5720
2640 Evasick Edw J © 479-5623
2645 Chandler Dewaine ©
2648 Whitsitt Virgil D © 475-9094
2653 Crawford James ©
2656 Martinez Madelina 267-1091
2659 Morey Roger K 267-1372
2664★Swans Jim 267-7254
2667★Fino Ray T 267-1558
2672 Vacant
2675 Velazquez Marco A © 479-5945
2682 Folsom Jerry ©
2683 Feilen Eliz A Mrs © 479-3692
2692 No Return
2693 Stribling Ted F ©
2702 Barry Geo H © 479-7195
2703 Hobbs Glenn © 479-1919
2710 Berry Wm C © 479-5679
2711 Alimagno Rodrigo R © 475-7813
2718 Marks Wm K © 479-5023
2719 Center Lurie L
2726★Goor D A 475-6320
2727 Samson Abraham © 479-6091
2734★Scepione Geo C Rev © 475-4635
2735 Griggs Bernice Mrs ©
DISSINGER AV ENDS
2743 Wilson Rufus © 479-0523
2751 Morrell Kenneth © 475-3052
2801 Sloan Paul R Jr © 479-4573
2802 Connors Walter J ©
2809★Trongale Nick 479-9108
2812★Deiranieh Faisal 267-8115
2819 Anderson Harold © 479-3862
2822 Hitchcock James E 475-5676
2827 Wooddy Wendell P © 479-5656
2830 Vacant
2835 Clay Jack A Jr © 479-5675
2838 Sullivan Russell L © 479-4228
2843 Howard Joe L © 475-1008
2846 Light Mark A © 479-2702
2851★Bruno Joe
2854 Coats Ralph S © 479-3603
2859 Vacant
2862 West Donald F © 479-1872
2867 Hall Kenneth A © 475-4600
2875 No Return
2883 Woodard Purcell © 475-7725

234
KEENEY ST (LA MESA PO)—FROM 7350 EL CAJON BLVD NORTH

ZIP CODE 92115
4997★Mullins Ellen J
4999★Van Wulven Paul P 464-7472
MOHAWK ST INTERSECTS
5003★Conejo Humberto
5010 Keeney Plaza Apartments 469-7131
1★Ehinger Larry M
2★Sotir Patricia A 466-7803
3★Garrard Audel 466-6522
4★Sibblaz John D
5★Vogel Mary C 465-9063
6★Calloway Thomas P 462-0461
7★Spear David L
8★Johns Diane T 464-7673
9★Escajeda Tom
10 Rector Robt
11★Crater J R 466-8043
12 Vacant
13 Vacant
14 Ashman Chas 460-5769
15★Torrance Cecil
16★Lawrence C J
17★Orivle Greg T
18★Foley Patrick 697-6310
19 Hanna Waled F 698-7306
20 Vacant
21★Esfahamizadeh Mehdi T
22 Vacant
23★Burns Cylde J
24★Hoshita Min J
25★Taylor Jas T
26★Frank Larry M 462-5336
27★Picard Marie 469-9028
28★Serfass Toni T 460-7277
5025 Ferguson Motel & Trailer Park 466-3498
Rafsky Harry M 466-3498
5037 Vacant
5039 Palmquist Joanne
5040 Apartments
29★Cartagena Joseph S 462-2541
30★Gretler Kim
31★Myers Terry T
32★Bedford Thos S
33★Bachir Sharon T 461-9999
34 Leigh Michl
35 Vacant
36★Tyner Norma J
37★Taddiken Marc I
38 Contreras Gilbert L 697-6765
39★Quinn Thomas B 462-8062
40★Morey Dick
41★Reilly Parun
42★Rojas Armado 469-5057
43★Manson Abar
44 Morrison Clyde E 465-6106
45★Mathistad V 697-8972
46★Lee H Y 466-9024
47★Hus Gary L 697-0253
48★Rutz K 697-0689
49★Hankers Willard J
50★Zebrowski Edward J
51★Fields Sandra
52★Andrew Benjamin
53★Austin Bill
54★Stanford Arthur J
55★Linter Kathleen 462-8218
56 Watson James Jr
5041★Mc Coy Samuel J 463-7647
5042★Anderson R L 462-0645
5044★Ladkins Peter T
5045★Richards Carolyn
5048 Helgren Alberta 466-0842
5049★Elliott Douglas S
5052 Norton Eva M 469-5542
5055 No Return
5056 Hoffert Victor F © 466-5658
5061★Welby John J ©
5075 Brown Curtis M © 466-1591
5084 Moss Carlton L 466-1941
5090 Elmendorf David

282
KEIGHLEY CT —FROM 7051 KEIGHLEY ST EAST

ZIP CODE 92120
7007 Peterson Douglas H © 286-0076
7010 Shoberg Clifford A ©
7017 Weston Francis A © 286-1994
7027 Larfferty Melvin K © 286-2283
7030★Dutton Brent P 582-7815
7037 Syrios Andrew © 582-3418
7047 Preibisius Henry G © 582-5272
7057 Bergseid Howard L © 583-3060
7067 Grobe James © 583-1776

282
KEIGHLEY ST —FROM SOUTH OF 5200 FONTAINE ST NORTH

ZIP CODE 92120
7004 Antale James T © 582-5030
7009 Linn Donald E © 286-2949
7012 Sin Song Sern Paul © 287-8291
7017 Lockhart Thos M © 287-9463
7020 Vacant
7025 Hurst L Vann © 582-1094
7028 Doerr Rita Mrs © 278-9524
7033 Darnell Roger L © 286-0456
7036 Mihelsic Geo L © 286-3514
7041 Smith Richd J ©
7044★Adler Mitch ©
7051 Wetzel Warren I © 583-4952
7052 Cooper John H © 286-2128
KEIGHLEY CT BEGINS
7060 Treadwell Mike J © 287-5817
7068 Lindner Wm © 286-9195
7073 Browning Lorraine C Mrs ©
7076 Sessions Jim L © 286-1139
7083 Zendel Irving A © 286-7972
7084 Slaughter James ©
7101 Schmidt Bob © 287-1953
7108 Block Earl W © 287-0419
7113 Baronian Michl F 265-2868
7124★Torre Betty I Mrs ©
7125 Kashou Nabih H © 286-2359
7136 Seitrich Ronald L © 286-2341
7137 Carcallis John ©
7148 Read Robt L © 583-5792
FONTAINE ST INTERSECTS
7166 Copeland David R ©
7177 Emerson Robt C 583-2115
7180 No Return
WEMBLEY ST BEGINS
7205 Corbin Charles L © 286-0786
7206 Blake Charles E ©
7216 Schecter Mark © 287-4700
7225★Kunkel Curtis © 583-7825
7226 Labecki Jozef © 286-3318
7238 Maloney Wm F © 582-5260

203
KEIR ST —FROM 2900 MOBLEY ST EAST

ZIP CODE 92123
9002★Anderson Lynda
9016★Egeland James © 571-6185
LARKIN PL INTERSECTS
9053★Woodworth Danl P © 279-0296
9065 Caravantes Richd © 292-5598
9077 Fuller Ray M © 278-1552
9089 Clontz Clarence E © 278-7006
SEGO PLACE BEGINS

39
KELLOGG ST —FROM 1 BLK EAST OF 350 SAN ANTONIO AV WEST

ZIP CODE 92106
SAN ANTONIO AV INTERSECTS
2921 Fernandes John © 223-6869
2927 Thompson Nelson © 223-8004
2940 Ackerman Carl J © 222-5636
2945★Evraets Rodger 226-0773
ROSECRANS ST INTERSECTS
3009 Apartments
A Vacant
B★Wallder Lisa 224-2605
C Powers Ann C T 225-0482
D★Murty Carol 223-5791
E★Daniel Norma J 224-9482
F★Hermans Raelene
3010 Cooper M M
3012 Mc Coy L
3014 Murray Florence
3016 Doukas Nicholas G
3018 Tebbetts D C 222-5000
3020 Von Moos David 222-7836
3023 Vacant
3025 No Return
3026 Casa La Playa Apartments 225-8995
3027★Kranenburg Melissa 222-5514
3028 Heitenrich Veva 224-1315
3029 Rauenzahn Le Roy G 222-9386
3030 San Diego Geneological Society 223-6275
3031 Vacant
3032 Carvell Trisha
3034 Culbertson Paul T 225-1959
3036★Miller Robt P III 224-6915
3038 Burns Mary K 223-0087
3040 Resser C W 224-1001
3042 Flett Violet Mrs 225-8995
3043 Correia Manuel F © 223-3539
3044 Wylde Pete
3046 Vacant

NIGHTINGALE WAY—Contd
8036 Call Timothy K 569-0958
8037★Craven Geo D
8038 Vacant
8039 Price
8040 No Return
8042 No Return
8047★O'Neil David F © 571-1130
8049★Stinson Glenn A 278-6518
8050 Molina Carlos 278-0629
8051 Bechtel Robt © 279-9970
8052 No Return
8053 Belden
8054 Vacant
8056★Cardenas Jose H 560-0663
8061★Swintek Noreen 279-5138
8063★Stephens H M Jr 569-5023
8064★Graswick Chas
8065★Graham Robt H 277-0395
8066★Steele Donald K 278-3242
8067★Cassingham S 277-5147
8068 Davis John 277-2307
Davis Inita Y 565-9849
8070★Evertsen Bradley J 569-5233
8075★Ajigol Zahra F 560-9386
8077 Collewacine Noreen A 287-3457
8078★Eejimas Philip L 279-1926
8079★Dolfo Rick 278-1647
8080★Sabatini Donald 279-8247
8081 Thompson David 560-7959
8082★Schlitt Roh W 569-1531
8084 Vacant
8089★Campbell Gary E 278-2887
8091★Curtis Mike B 278-6581
8092★Miller Gary B 565-7464
8093★Parmer Scott 278-6074
8094★Barry Alan T 278-0820
8095★Birse Douglas R
8096★Greenberg Mark 278-3763
8098 No Return

86

NILE ST —FROM SOUTH OF QUINCE ST NORTHWEST 1 EAST OF BOUNDARY ST

ZIP CODE 92104
2981 Lazaro Fernando S 284-0129
QUINCE ST INTERSECTS
3005 Santa Maria Samual L © 282-5071
3013 Bailey Ernest J © 284-5217
3019 Mc Tague Mary C Mrs © 281-5800
3020★Garza Albert
3020½★Garza Valerie
3029 Panfil Raymond C © 282-5453
3030 Prazak Lucille M Mrs © 281-9987
3035 Gilmore Tom 283-0184
3036★Haas Glenn H 563-8862
3038★Ryan Edw C 282-7936
3045 Hollenbach Francis W © 284-0807
3046 Tarrant Richd L 282-5402
3048 No Return
3053★Mc Candless Susan 283-0102
3054★Clark David 281-1460
3056★Bertrom Joan 283-4164
3057 Flower & Plant Enterprises 281-4570
Companiotte Lois Mrs © 281-4570
3062 Herrera Gerald S
3065 Ficken Henry © 281-9893
3070 Scholz Richd A 280-2616
3073★Morrison Sharon L 584-8377
3075★Adams T E 282-1235
3081★Brown Ola Mae
3082★Morales Flavia 584-1086
3083 Ebners Robt B © 281-5881
3094★Clark W
3095 Latendresse Peter A © 283-2460
REDWOOD ST INTERSECTS
3104 Mason John C ©
3105 Smith Frances M Mrs © 282-8676
3108 No Return
3109 Grate Earl E © 282-5165
3111 Van Tra Chien 280-4296
3112★Barker Gary W 280-0437
3114 No Return
3115 Evans Russell E 284-5859
3121 Lessenger Lloyd D ©
3122★Callie R
3124★Laird David 282-2150
3125★Steenson Linda ©
3127 Steenson Forrest © 284-6913
3128 Johnson Homer B © 282-2064
3133★Rigogliaso D © 282-4328
3134★Olsen Richd J 283-3465
3136 Holland Wayne K 282-7151
3137 Watson J M 280-4525
3139 Crivello Mario 283-2459
3140 Millard Winifred E Mrs © 281-8228
3146 Mennenga Raymond J © 284-8696
3147 Penuelas Alfonso L © 282-8342
3205★Grzesik Ed © 282-3344
3206★Nanos Angela L
3208 Stockert Duane L 280-7236
3210 Frank J 284-1079
3211 Pipes R W 563-3557
3213 Waggoner Harley P © 284-8960
3217★Mc Callum Lisa J 382-6007
3219 Raumer Elsie M Mrs © 280-3227
3220 Bommarito Ambrose © 284-0903
3225 Harrell James H ©
3226 Maguire Jas
3227★Clapper Karen
3228 Lococo Anna M 282-0469
3232 Figueroa Bertelsen 280-6552
3233 Salisbury E E 282-4298
3234 Farmar Billy J Mrs
3235 Schwartz J L © 281-9436
3236★Hanner Hillary 284-7769
3237 Collison Larry G © 282-4436
3238 Bowers James A 283-0035
3240a King Chas L 284-5362
3240b Vacant
3243 Freeman R E 282-8620
3245 Perry Marshall
THORN ST INTERSECTS

288

3303 Chavez Frank M © 283-1916
3310 Nile Terrace Apartments
1★Kelemen Maria M 563-9177
2★Devillers Jerry 284-3149
3★Lewis S 280-9217
4★O'Hara F
6★Biskobing H
7★Layson C A

8★Rutkowski A
9★Felkens S
10 Danielski Edw A 283-4812
11★Kennedy J
12★Mings P
14 Brown Carla 281-9881
15★Tarr S
16★Alf Richd
17 Vacant
18★Williams F
19★Skratsky R
3311 Gilbert Norman J © 282-3633
3317 Taylor Robt 563-5379
3318★Ramos R
3319 Morey James K 282-6755
3320 Medvedick Steph P 282-4061
3322 Azevedo M Teresa Mrs © 284-2529
3323 Bryan Ruth H Mrs © 284-8617
3324★Pudge Roger
3325 Szczepanski Steve 281-9295
3327 Fox Hildegarde A Mrs © 281-1768
3330★Sehenstedt Allen
3333 Robertson Vera L Mrs 281-8724
3335 Kieferle Marion R Mrs © 284-5455
3336 Barry Eliz M 281-1115
3338 Begel Robt 563-6847
3342★Woodsome Michl 280-6845
3344★Blakemore Jim 284-4183
3345★Ashmoreland Isaac
3347★Warriner P
3402 Bixel Louise E Mrs 284-7029
3403 Severns Florence H Mrs © 282-9788
3404 Morell Frank T
3406 Sherman
3411 Godwin Barbara A © 280-1821
3414 Cruz Paul
3416 No Return
3418 Braun Jay M
3419 Beatty Orville L © 284-3153
3420 Dyck Cornelius 280-5065
3422 Moss Amos R 284-1431
3424 Jankowvsky Stanislav
3426 Cabanne Margt
3427 Barrera Maria
3428★Santos O
3429 Moss Charles E © 282-2817
3430 Vacant
3434★Gurr Kevin
3435 Metevier Paul © 281-1476
3438 Olsen Ruby B Mrs © 281-7336
3445 Nares Peter © 282-8729
3446 Neyman John C © 281-5107
MYRTLE AV INTERSECTS

118

3502★Smith Kevin 282-6933
3505★Mc Clendon David ©
3510 No Return
3512 Domen Hazel G Mrs © 284-3813
3513★Gibson D
3515★Neill Stewart H
3517★Merritt Corinne
3520 Ma Bee David M
3521 Ezzell Marceline A 281-9024
3522★Nodac Juan
3523 Vacant
3526★Alto Eric
3527 Swanson Jas H ©
3530 Underwood Wallace W ©
3533 Rimoldi Henry G © 284-4319
3538 No Return
3539 Monragon Manuel V © 281-4056
3542 Thompson James A © 282-7942
3543★Rethwish Richd A 283-4804
3543½ No Return
3546 Vacant
3549 Traskauskas Jesse 283-7519
3550 Jacobs Irving L
3551★Mc Alexander V 281-5282
3552 Greer Louis W 280-6877
3556 Casuy Madeline R
3559★Minutelli Joe 282-9994
3560 Gentellalli Frank © 282-0303
3561★Mc Donald A A II 292-3517
3568★Brown Norma 282-9705
3570★Riedel Daryl L 281-3125
3572 De La Cruz Joann Mrs 280-8749
3574 Genton Robt
3576★Price Charlotte
3578 Lenz Leonard L 283-8292
3578½ Lunn E A 563-4027
3593 Dodes Guest Home 281-2893
★Heinrich Edw
DWIGHT ST INTERSECTS
3604★Perez Richd
3605★Marchand Steven 563-1619
3609★Krill Greg 283-4234
3611 Krill Hilda B © 281-4052
A★Allread Beverly 283-9657
B★Allread Brenda L 280-2467
3619 Dietz Richd H © 283-0908
3620 Bonatus Gladys M Mrs © 282-2742
3621★Liearas Danine
3624★Rosenthal Valerie J
3631 Quandt Merton A © 282-0574
3633 Flesinger
3634 Berry Rebecca Mrs © 282-5639
3635 Knowles Wink 282-2631
3642 Huber Verna J Mrs © 284-4884
3644 Lacoste Mary M Mrs 283-7767
3645 Hornitz Michl L
3646 Grandalski Lloe Mrs
3650★Cheff Elmer F 281-1516
3652★Bertelsen Ellen K 280-3534
3653 Alexander Donald J © 284-4728
3656 Vinci Philip M © 283-5369
3661 Rutley Lillian M Mrs © 283-8289
3664 Marinakis Demetrios © 283-0459
3667 Steiger Al © 282-8331
3674 Augustine V M 281-6909
3677 Finnerty Milford L 284-1821
3682 Apartments
1 Vacant
2 Carre Raymond
3★Brown Stewart
4 Cordero Louis
5★Mc Calester R
6★Beck Joy F
7★Klohe Maureen
8 Kerr Colin M 282-1094
3695a Roach Thos D
3695b George June D Mrs 284-8650
3695c Hamilton R G
3695d Weibel Leo G 280-3119

3696 Skulavik John © 282-7543
LANDIS ST INTERSECTS
3704 Raikes Thelma E Mrs © 284-5815
3710★Dale Linda 280-9208
3718 Hodina Joseph © 284-2137
3724 Baldino Maria Mrs © 281-1361
3728★Sanchez Diane
3730 Perez R 281-7235
3736 Odle Wm J ©
3742 Apartments
1★Veager E
2★Cook Jim C 280-6426
3 Pierson Dawna L 281-8576
4★Garcia Joe 284-8486
3752 Apartments
1★Admendarea P
2★Van Arum
3★Story Clifton G 280-1536
4 Olson
5 Vacant
6★Rakestraw M
7 Vacant
3770 Ortiz Theo E 280-9580
NORTH PARK WAY INTERSECTS

35

NIMITZ BLVD —FROM 4000 N HARBOR DR NORTHWEST THEN NORTH

ZIP CODE 92106
2777 Point Loma Manor apts 225-0922
1★Bailey T L
2 Towne Brian L 226-2419
3★Schwamb F 226-2114
4★Ramirez A
5 Vacant
6 Vacant
7 Vacant
8 Vacant
9 Kasa Jean
10★Mc Allister M J
11★Mc Queen J S
12★Potts T S
13 Vacant
14 Vacant
15 Vacant
16★Barleyman J T
17 Vacant
18★Mc Lain J
19 Vacant
20★Cookingham Brian
21★Scott J M
22★Moses W
23 Vacant (apts 23-31)
32★Henson J C
33★Gallagher D F
34★Randazzo R
35 Hutchinson Thomas A
SHAFTER ST ENDS
OFFICE BUILDING
SUITES
A Ghio Charles C & Associates ins 223-7131
B No Return
C Enesco Inc 224-7459
D Semcor Incorporated 224-3335
E Hertz Corp (Sls Ofc) sls ofc rent a car serv 223-5684
F American International-Foreign Frt Forwarders 223-5615
2821 Le Marquis Apartments
A Swain Ericka Q 224-9571
B★Broughton Daryl S 223-9466
C Evans Jim W 223-4152
D★Rands Robin
E★Paulini Pamela
F★Leeburg Don J 224-6418
G De Yenere Joseph 224-6633
H★Wegner Alex A 224-8371
I Vacant
2829 Apartments
H Johnson Delores 222-8663
I Horan J Edwin 225-8128
J Clinesmith Gary L 224-8615
K Geer B David 223-1042
L Osmundson Margot Mrs 224-6752
M Polombo Thos
N Hay James L
O Vacant
2845 Centre West Professional Building
SUITES
A Albe John A dentist 223-8179
B Lareau Richd John & Associates 222-0341
C Path Research 226-0005
D Seaco Incorporated ocean technology 225-8631
E Sun-Pacific Inc 222-0329
F Lareau Richard J & Associates archts 222-0341
G Design Interiors & Imports int dec 222-3388
SCOTT ST ENDS
2901 Rodeway Inn Of America hotel 224-3655
Dooley's Restaurant & Bar 224-6628
Carey Limousine Chauffeur & Guide Service 225-9551
ROSECRANS ST INTERSECTS
3020★Peebles C J 224-2526
3020½★Scott Wm 224-6572
★Juanico Nany 224-6572
3026★Johnson John M 222-0039
3028 Kienzle Sandra
3030 Keen L
3045★Hatch Harold C 223-9768
3046 Bradberry Esther G Mrs © 222-1236
LOCUST ST INTERSECTS
3104★Burgess Tom 223-7894
3105 Medeiros Frank © 222-9745
3106 Carpenter B 224-4506
3107a Medevios Estella © 222-4546
3107b Vacant
3109 Vacant
3109½★Taylor Jeanette
3111★Sabatini Yolanda © 222-7060
3112★Gresham Ernest
3117 Longo Leonard 225-9718
3119★Bartell Auguste
3120 Delgado Herbert A © 222-1888
3121★Pegha Keith 223-0120
3126 Dahl Donald A 223-9341
3128★Stengrin Chris 226-2152
3129 Rebelo A © 223-3996
3130★Swane Cindy 222-3599
3132 No Return
3134★Mowery Herbert 225-8210

3136 Conley Rod 222-1346
3137 Cabral Michl 223-7617
3138 No Return
3139 Vacant
3140★Malthaner John 223-5175
3145★Faris Manuel 224-1009
EVERGREEN ST INTERSECTS
LOWELL ST BEGINS
3240 Valin Frank © 224-0443
3244 Jones M L © 222-1492
exec Black Ike © 222-6168
CAPISTRANO ST INTERSECTS
CASTELAR ST INTERSECTS
3419 Lee Marvin C 224-9922
CATALINA BLVD INTERSECTS
OLIPHANT ST INTERSECTS
PLUM ST INTERSECTS
3615 Grabbit Louis P © 223-3412
3625 Rodrigues Joao S © 224-7655
3633 Wise Dennis © 224-4923
3656 White Jack L © 223-6751
CHATSWORTH BLVD INTERSECTS

323

ZIP CODE 92107
CHATSWORTH BLVD INTERSECTS
3706★Hale Renee M © 223-9535
3714 Williams Robt D 224-8487
CENTRALOMA DR INTERSECTS
3774 Ohlin Kenneth G © 222-8706
3789 Candido Antonio 224-2301
3792 Melo Norberto S 222-0919
BERNICE DR INTERSECTS
3795 Vacant
TENNYSON ST INTERSECTS

331

NIPOMA PL —FROM 2950 NIPOMA ST WEST

ZIP CODE 92106
POINSETTIA DR INTERSECTS
3802 Amano Sam © 223-0671
3803 Mitchell Joseph C © 222-8149
3806 Montez Wm © 223-8404
3809 Curcuru Beryl H piano instr 222-8706
3810 Ryan Owen T © 222-8755
3815 Sanford Wm B © 223-6272
3821★Hicks Peggy 226-6691
3823 Tessary Larry T 224-1007
3826 Burr Willma 223-5037
3827 Kenworthy Arth R © 222-4956
3831 Orberg Robt E Jr 226-1241
3839 Apartments
1 Vacant
2 Romuar Rudy R
3 Hodgson Rich 224-7493
4★Taylor Scott A 223-5853
5★Vogl T A 222-7426
6★Knotts Robt A 223-1230
7★Kelley Michl L 224-5818

331

NIPOMA ST —FROM 2700 POINSETTIA DR NORTHWEST

ZIP CODE 92106
2708 Anderson Jan P © 223-3581
2709 Dickinson Bill © 224-6561
2712 No Return
2715 Imbrie S D © 225-1167
2716★Olson Scott 226-0841
2720 Alloway Rick © 223-0155
2721 King Cecil © 224-5548
2724 Monson Lester A Jr © 222-8625
2727 Christy Virginia L Mrs © 222-0680
2728 Gruber Saml E © 224-2390
2732 Gregson Mark © 225-1981
2733 Baker Jack W ©
2736 Graham Alex G © 222-4263
2739 Gelb M Jack © 222-4478
2740 Morrow Clarence L © 223-8368
2745 Nissen A O © 222-3782
2746 Migliori John G © 222-5840
2751 Fisher Richd L © 222-6664
2752 Sorben Robt
2757 Truckenmiller Dale H © 223-0196
2758 Burns Wm T 223-1145
2763 Rosenthal Leon © 223-0804
2754 Graves Delbert B © 222-7941
2769 Graham Leon L © 223-9762
2770 Altman Peter J © 224-9890
2776 Peugh James A © 224-4591
AMARYLLIS DR INTERSECTS
2803 Piel Charles 224-3044
2804 Kuck F F ©
2810 Wood Glenn W Jr © 222-2724
2811 Garcia Clifford K 224-9155
2816 Bray James
2817 Mac Donald James D © 224-9753
2822 Corsello Thos W © 222-0203
2823 Bryers John
2828 No Return
2829 Dietz James S 223-1563
2834★Hutchingson Marjorie
2835 Heldoorn James L © 225-9274
2840★Ciechanowski A
2841 Carroll Reed
2846 Williamson Bernard N 244-8688
2847 Smeal Nettie N Mrs © 224-7283
2852 Davis Robt E © 223-1736
2853 Sage Delbert J © 224-0111
2861 Nelius Teckla A Mrs © 223-7429
2875 Hom Marilyn
NIPOMA PL INTERSECTS
2911 Underhill H Sunya © 223-1398
2917 Le Clare Charles F ©
2920 Dixon Frank © 222-1237
2923 Hammers Wm E © 223-1498

667

NOAH WAY —FROM 4750 COBB DR NORTH

ZIP CODE 92117
5252 Gardner Mark S 272-4496
CRISP WAY INTERSECTS
5304 Davis Robt C © 274-5592
5320 Rodriguez Edith E Mrs © 273-3795
5327★Caudill Curtis
5336 Packard Harry B © 274-1019
5350 Zornado Robt L © 275-4965
5355★Norfleet Michl R Rev
5375 Flores Arnold © 276-3598
Flores Rosa M 272-4439

SEPTEMBER ST—Contd
4940 Briggs Foster L ©
4941 Vacant
4951 Vacant
MARCH PL BEGINS
4961 Conwell Walter B © 276-9094
4971 Lawrence Robt E © 276-4628
4981 Lewin Ingrid B Mrs © 276-4374
4982 Visaggio Corrado T © 276-0050
4992 De Weese Everett D 276-4697
5001 Cecil Chas R © 276-9993
5002 Liester Deland 275-1976
5007 Marshall Mark G © 276-0295
5008 Sandoval Carmelita Mrs
5014 Siegler Robt F © 276-5653
5015 Young Robt D © 276-0596
5020 Nichols Gregory T ©
5021 Kimmel Russell T © 276-5207
5026 Berg Guy A © 276-7692
5027 Kurashige Akira landscape gdnr © 276-4267
5032 Buchanan Richd © 275-0807
5033 No Return
5038 Ramey Thelma J Mrs © 276-0965
5039 Miller Betty Mrs © 276-4208
5044 Mock Don © 276-9407
5045 Knauss Gerhard A © 276-1077
5050★Hutchinson Jerry
5051 Arlt Henry A
5056 Oswood Grinnell S retd © 276-4445
5057 Roach Sandra
BURGENER BLVD INTERSECTS
5063 Dean Lewis W © 276-5589
5071 Reback Francis
5077 Reed Richd E © 276-8351
5085 Luckey Robt G © 276-3994
5093 Feild Richd W © 276-1965
DEERPARK DR BEGINS
5101 Walenga Esther V ©
5111 No Return
5121 Sutton James W © 276-0202
5131 Vacant
5141 No Return
5151 Cooney Edw J © 276-5344
COWLEY WAY BEGINS

475
SEQUOIA ST —FROM 3800 BLK CROWN POINT DR NORTH

ZIP CODE 92109
3820 Fry Ralph C 274-1071
3821 Ingersoll Myrtle M Mrs 273-0829
3823★Gooding Harold
3829 Olympius L E 483-4756
3829½★Rascon V
3830★Roy Vivian 272-0432
3831 Brada Deborah 275-0906
3832 Rock B 272-3495
3833 Stasunaitis Y
3834★Villalobas Robt 274-5237
3835★Perkins George
3839 Apartments
1 Kelso Peter J
2 Rout Alma C Mrs 272-8502
3 Woods Stephen P 270-9663
3840 Lucas Thos © 273-2544
3847★Magid E 274-9005
3849 Wyckoff Mary C 270-6491
3850★Crippen Jo
3851★Blythe David 483-2595
3854★Gauthier Don 272-6390
3854½★Ferlito Richd K 272-1855
3859★Oswald Christina A 483-5226
3861★Engstrom Julia B 270-8599
3863★Blakeley Tom
3865 No Return
3866 Apartments
1 Vacant
2 Helmick Donald K 273-8383
3★Rubenstein B
4 Lohman
5★Dominicar D 270-4804
6 Vacant
7 Vacant
8★Donnelly Wm
9 Cochran Dale L 274-5232
10★Phibbs R K W
11★Reed Monte H 274-9157
3867★Simpson Eliz 270-6660
3869★Hardman T 272-5241
3871 Clark Joseph H
3873★Grigg T 483-2749
3875★Suzick Nicholas 483-0236
3876★Kynar Dave 483-5436
3877★Seamas S 483-3900
3879 Kaiser Mary E Mrs 270-0943
3886 Stinson Edgar D © 273-1752
3894 Miller Michl J © 275-0096
ROOSEVELT AV INTERSECTS
3904★Newton Ruth P 274-6238
3905 Coleman Harry B 273-6969
3912 De Lozier Lloyd E © 273-4238
3914 Vacant
3914½ Gunsolley J 272-8630
3916 York Brian L
3916½ Kamholz Jodie L 272-2968
3918★Macrig J 272-8591
3918½ Beaver N
3919 Sack Carl M 273-0340
3920 No Return
3920½ Rodway Olive E Mrs
3922 Kuchta Richd J 273-4358
3927 Bowman Clarence R © 273-7937
3928 Johnson Sarah D Mrs © 273-4503
3933★Ferri Christopher
3935 Liss Paul J © 273-2440
3936 Johnson John C © 274-7592
3942 No Return
3943 Waddell Robt M © 273-7042
3950 Grogg Ralph L © 273-5454
3951 Fetter H 272-4253
3953 Vallance Peter J 272-7726
3956 Taramasco Raymond D © 273-9487
3959 Griffith Neil J © 272-3752
3962 Munsell Marianne 272-9061
3967 Vacant
3968 Oswalt John S © 273-4288
1★Deangelis C
2★Friend A 274-8379
3975 Doppelt Gerald D © 273-3547
3976 Wisdom Allen L
3983 Wolf Paul G © 273-0764
3986 No Return
3991★Porterfield Ronald 483-8755
3992 Lambert Andrew E 272-7227
FORTUNA AV INTERSECTS
4002 Mengel Marcia O © 272-4648
4011 Ludy Dorothy A Mrs 272-8254
4012 Mc Intosh Stewart © 270-1938
4013a Vacant
4013b★Forsyth J M 272-8280
4020 No Return
4021★Lynn Corrine 272-2475
4022★Thimens H A 270-0441
4024★Lutsko Ron
4027 Phillips Paul W © 273-5939
CHICO ST INTERSECTS
4040 Apartments
1 Vacant
2 Vacant
3 Neilson Monique 270-5667
4★Maloney M
5★Brasher Mike 272-5795
6★Reid Bruce A 483-6072
7★Heitzmann D
8★Johnson S 483-4876
4050 Bruce Robt W 276-3715
4055 Apartments
1 Stephen J T 276-1369
2★Hillard D
3 Roman Eug J 273-3040
4 Vacant
5 Klencheski Stanley J 272-3286
6 Vacant
7 Vacant
8 Guerrazzi Sheila I Mrs 483-0163
9★Schowe M Jeanne 270-8885
10 Vacant
11 Vacant
12★Laird Thomas L
4056 Williams Clifford E © 273-1184
4065★Betancourt Robt 272-6994
4066 Fagerstrom Lily Mrs © 273-6406
4067 Condicks Dan L 275-0068
4069 Lacaze
4072 Olson Donald J © 273-3476
4075★Kruse Richard L © 483-2013
4075a Goldberg Jeffery 272-0749
4080 Cornell Gene M © 273-1674
4083 Bischel Mary Mrs © 273-5640
4086 No Return
4088★Vasquez Randy 272-8345

217
SERBIAN PL —FROM 4300 EDISON ST NORTH

ZIP CODE 92117
3008 Hurst Wade C ©
3012 Gerfin Bert M 276-0815
3016 Manicone N Kathleen Mrs © 275-0492
3020 Hawley John R © 276-2443
3024 Beck Frank J © 276-3326
3028 Galbraith Jerry
3032 Schobert Joseph H 275-3995
3035 Roberts C
3036 Christenson S L 276-9439

189
SERI ST —FROM 4100 TOLOWA ST NORTHEAST

ZIP CODE 92117
4101 Hagnas Lloyd © 270-3536
4102 Garing Wm H © 274-4556
4110 Ternoey Henry R ©
4118 Duenas Paula A © 272-3908
4126 Sigler Gerald F 270-4286
4127 Donson Jim
4133 Haver Richd © 275-0859
4134 Baker Pauline J Mrs © 276-4045
4141★May June K ©
4142 No Return
4147 No Return
4150★Moore Michl J © 274-8047
4157 Dunaway Wm G © 273-2364
4158 Erickson John H © 273-0837
4166 Mullins Sandra
4167 Adams John C © 270-4041
4174 Smith Nancie A © 270-8905
4179 Serritella Matthew C © 270-5612
4182 Masse Herve H © 273-3672
4189 Hargis G Richd © 275-0493
4190 Roe Edw O Jr 272-8318
4197 Ramsey S M ©
4198 Tessereau Donald G © 275-0607
BERTHA ST INTERSECTS
4205 Woolsey Justin E 274-1045
4215 Hoffman Emil F © 273-1365
4227 Kallweit Vincent H © 273-7616
4228 Taylor David M © 272-9849
4236 Wortman Clarice M Mrs ©
4237 Linger Tennuce E © 483-0875

148
SERRANO PL —FROM 4800 ARAGON DR EAST

ZIP CODE 92115
6573 Rametta Anthony ©
6575 Cuvala Geo © 582-6985
6580 Craig Mary W © 582-2994

31
SEVILLE ST —FROM 3000 BLK ROSECRANS ST NORTHWEST

ZIP CODE 92110
3009 Norman C M 223-7735
3020 Lipsey Theo K 224-4691
3023 Lohre Clara O Mrs © 224-5713
LOCUST ST INTERSECTS
3108 Correia John E ©
3113 No Return
3118 Hass Victoria M Mrs © 222-3237
3121 Mc Farland Robt L © 223-7585
3128 Withers Construction Co bldg contr 224-0512
Withers Edw A © 224-4426
3137 Griffith Steve ©
3138 Ferrara Maurice D © 224-1811
3144 No Return
3145 Hobson Peter 222-7369
3152 Hickman Wesley W © 222-0840
3160 Meserve Saml C © 223-6085
EVERGREEN ST INTERSECTS

31
SHADOWLAWN ST —FROM 3030 LOCUST ST NORTHWEST

ZIP CODE 92110
3110 Marshall David M © 222-1043
3111 Briggs Evelyn H Mrs © 223-7220
3120 Kovacevich Dinko A © 224-0194
3121 Merkel Herbert A © 223-7776
3130 Burr Mary N Mrs © 222-3083
3136 Houser Wm A © 222-0162
3141 Weisbrod Howard L 224-7325
N EVERGREEN ST INTERSECTS
3204★Berndes Axel E
3210 Johnson Margarita L Mrs © 222-1698
3224★Maclaggan Peter © 224-0897
3234 Silva Manuel L © 224-0268

337
SHADYGLADE LA —FROM 154 CORALWOOD DR NORTHEAST

ZIP CODE 92114
7602 Perez Jesus M 479-9028
7614 Seiveno James R © 479-5049
7626 Bogar Clifford © 267-9375
7627 Vasquez Robt C © 479-0293
7638 Palmer Jack E ©
7641★Peyton Robt W © 479-3854
7650 Ocampo Ernesto G
7653 Jordan Bradford C © 479-7079
7662★Gomez Jesus © 267-0814
7671 Brazley Dorothy L Mrs
7674 Gurtiza Domingo C © 475-6282
7683 No Return
7686 Smith W T © 475-1510
7693 Bloomquist Gary W ©
7696 Faut Mark E 267-2245
7701 Rodgers Frank Jr © 479-6206
7702 Delia Louis R ©
7711 Chavez Thom T © 475-2812
7712 Elder Thos E © 479-6977
7722 Vacant
7723 Benavente Jesus S ©
7732 Wedgewood Arth J ©
7733 No Return
7742 Fleming Charles O 475-0520
7743 Vacant
7752★Dixon Donald ©
7753 Krueger Joseph L © 475-9146
7762★Williams Alton ©
7767 Nevarez Rosa Mrs ©
7772 Mc Cloud Walter ©
7779 Roiz Henry © 479-3633
7782 Evans Wm © 475-5276
7791★Maxwell Nathanial ©
7792 Hudspeth Willie M Mrs © 475-0283
ARROWWOOD DR INTERSECTS
S MEADOWBROOK DR INTERSECTS

237
SHADY OAK RD —FROM 396 NORTHGATE ST SOUTH

ZIP CODE 92114

568
SHADY SANDS RD —FROM 6700 WINDING CREEK DR NORTH

ZIP CODE 92120
8046 Adair Michael
8054 Davis Robt H Jr © 286-7777
8062 Shapiro Alan J © 286-9489
8070 Pokrivnak Michl J © 287-0820
8078 No Return
8079 Streeter Floyd 287-3714
8087 Morgan Marilyn J © 583-2703

119
SHAFTER ST —FROM 2800 UPSHUR ST EAST

ZIP CODE 92106
1055 Vacant
1059 Wyatt Laurie Graphic Design 222-6716
1067 Wyatt Frank K Marine Surveyors Inc 223-8167
1069 Butler Gene Interiors interior designer 224-5309
1071 Barron Bob Yacht Sales 223-2111
CANON ST INTERSECTS
1122 Ballas Elton M Sail Makers 223-3925
ADDISON ST BEGINS
SHELTER ISLAND DR INTERSECTS
1228 Crippen Marine Canvas annex
1229 Kettenburg Marine (Electronic Equip & Repr Dept) 224-8211
1230 Crippen Marine Canvas boat cover mkrs 224-2052
1231 Kettenburg Marine (Eng Dept)
CARLETON ST BEGINS

335
1618★Sillas David 224-1367
1620★Strange W C 222-7005
1622★Rego Armando 224-6818
KEATS ST BEGINS
NIMITZ BLVD INTERSECTS

84
SHAMROCK ST —FROM 1 SOUTH OF 4100 SYCAMORE DR NORTH

ZIP CODE 92105
2303 Mhoon Wm W © 281-4457
2309★Dole Robt 280-5410
2310 Jones
2314 Williams Leorene L Mrs © 281-8645
2315 Vacant
2317★Anderson B
2319 Vacant
2320★Mederios D 280-8445
2323 Staedeli Jerry H © 281-9644
2324 Stauffer Paul W © 281-3871
2331★Stone Cliffered L 284-8054
2332★Breslin John P 282-0365
2333★Wewer Bernard 281-0350
2335 Hooyen Peter J © 283-3397
2342 Collins Fred 280-1349
2345 Zygar Edw ©
2348 Van Kampen Eva Mrs © 281-8620
2351 Roper Robt H © 281-6075
2357 Richardson Phyllis M Mrs © 284-6892
2403 Caaner Juanita ©
2404 Hanks Geo E © 282-5901
2407 No Return
2409★Roulo Randy
2410★Laverdiere Brian 281-2816
2410½★Westova James 584-4507
2413 Stump John W © 281-4663
2416 Cruz Carlos F ©
2422 Bishop Maggie S Mrs 282-8343
2424 Bishop Oscar M © 283-8146
2428 Robertson Mary S © 281-8789
2434 Vacant
2436 Vacant
SYCAMORE DR INTERSECTS

176
SHANE PL —FROM 5195 LA DORNA DR WEST

ZIP CODE 92115
6401 Welch Morris M © 287-1700
6404 Brown Stanley C © 286-9657
6409 Huth Robt D © 583-8723
6417 Lutz Tomme
6420 Furlow Bernice Mrs © 582-8916
6425 Monson Harold R © 583-1680
6433 Pushs Don ©
6440 Morebello Saml C
6441 Larsen Hazel R Mrs © 582-3058
6449 Ricks Robert B ©
6457 Cline Steven
6460 Nava Bertha D Mrs ©

148
SHANNON AV —FROM 4800 ROLAND BLVD EAST

ZIP CODE 92115
6600 Burke Florence Mrs © 286-4851
6606 Walsh Paul J © 582-8454
6610 Frazier James R ©
6620 Simmons Warren A © 286-0750
6630 Chamberlain Edgar J © 582-1665
6633 No Return
6640★Bel Real Nicholas 286-3938
6650★Callejan Rick © 287-6315
6660 Foltz Charles J © 582-1902
6670★Lizarraras Ed © 583-1793
6675 Nobles Joseph R © 287-7452
67TH ST INTERSECTS
6701 Lay Marjorie J © 469-9673
6710 Vacant
6712 Christian's Servicemen's Center church orgn 464-9648
Rottenberg David B

146
SHARRON PL —FROM 5400 VALE WAY NORTH

ZIP CODE 92115
VALE WAY INTERSECTS
4216 Novidor Sonny 582-1461
4224 Jungblut John R © 582-0916
4232★Soltero Rufino 265-7715
4242 Province Betty J Mrs © 582-6227
TROJAN AV INTERSECTS

675
SHASTA ST —FROM 3750 CROWN POINT DR NORTH

ZIP CODE 92109
3764 Apartments
A No Return
B★Nordgren Passavanti
C★Tuininga M 274-1518
D★Dleasure E M
E★Morrison A 272-6416
F Saenz Ronald 270-4499
G Vacant
H★Poehlman Francis R Mrs 274-1303
3776 Carroll Lenore B Mrs © 274-2107
3778 Bay View Apartments
1★Czarnecki Danl S 270-9216
2 Harrison Jan L 272-4253
3★Pascarella Linda A 483-5473
4★Martin Marie 274-8125
5★Otell Terence D 272-9108
Vacant
LA PLAYA AV INTERSECTS
3803 Vacant
3804 Wyman Antonia R Mrs ©
3809★Levin B 274-7192
3811★Shean Jim 272-3469
3813★Rydman Lynda Y 272-5033

TP	Adjoining	Source
✓	✓	R. L. Polk & Co.

HARBOR DR N 1980

HANNA ST—Contd
5455 Morse Kevin L 263-5946
N 55TH ST INTERSECTS

478
HANNIBAL PL —FROM 3950 DONNA AV EAST

ZIP CODE 92115
3939 Stowe Richd L ◎ 582-5119
3956 Mangels Ruth B Mrs ◎ 287-5949
3962 Vacant
3968★Jones Norman L 582-8515
3972 Stephenson Wm O ◎ 583-0591

265
HANNON CT —FROM WEST OF 4705 CANNINGTON DR EAST

ZIP CODE 92117
6203 Strunk Alvin A ◎ 277-1123
6210 Trigli Carmela Mrs ◎
6211 Northcutt Dan ◎ 560-4300
6219 Lynch Danl M ◎ 268-8762
6220 Burton Robt P ◎ 277-4772
6229 Mosher Robt E ◎ 571-9099
6230★Reynolds James 268-0917
6237 Scherzer Ethan ◎ 292-5545
6245 Greek Arth T ◎ 278-9441
6250 Tucker Thos Jr ◎ 279-1823
6255★Sweeney Brian ◎ 268-4182
6263 Dewitt Ward ◎ 279-1040
6270★Drain R E ◎ 565-2660
6271 Ideker Donald E ◎ 277-2322
6281 Amondson Elmer ◎ 278-4999
6289 Stevenson Carey W ◎ 277-6606
6297 Jones Saml ◎ 279-3164
6304 Moore Jean R Mrs ◎ 565-6903
6307 Vacant
6318 Richardson Delroy M ◎ 279-6928
6321 Hanger Wilbur L ◎
CANNINGTON DR INTERSECTS
6332 Block Charles H ◎ 571-0470
6335 Kladouras Spiro ◎ 277-4956
6346 Volkmar Wm H ◎ 279-2578
6349 Wilson Steve L
6360★Mc Divitt Gerald ◎ 279-7587
6363★Lee Chung H ◎ 279-5760
6374 Savoic Dana
6377 White J D Rev ◎ 560-9219
6388 Reese Ralph L ◎ 292-4496
6391★Lechtenberg Monica E 571-2792

64
HANOVER ST —FROM 5400 ROSWELL ST NORTH

ZIP CODE 92114
921 Rodin Ramona Mrs ◎
931 Lawrence Neal ◎
938 Dickey Jerome ◎
939 Jackson Guest Home rest home 262-0248
Jackson Dorothy H Mrs ◎ 262-0248
945★Bird John
946 Roberts Evangeline ◎ 263-9875
947 Davis Kenneth ◎ 264-2811
951 Alkire John
954★Jones Robt 262-1678
955 Malveaux James C ◎
962 Vacant
964 Vacant
970 Vacant
972★Craig Darlene E 263-6326
1002★Simmons Chas 262-1221
1004 Clay Patricia
1011 Clay Lee Ethel Mrs ◎ 264-6347
1024 Evans Joyce ◎
1029 Crumbly Barbara Mrs
1035 Murakami Teddy T ◎

368
HARBISON AV —FROM 5400 DIVISION ST NORTH

ZIP CODE 92114
1401 Sanchez Raymond ◎ 263-4707
1411 Castanon Antonia ◎ 263-7690
1421★Irusta Emmo 262-1662
1431 No Return
1441★Abalos Nelson ◎ 263-6466
1451★Reyes Leopoldo
1461 Welch Douglas ◎
1471 Analla Andrew V ◎

216
HARBISON AV —FROM 7200 BLK EL CAJON BLVD SOUTH

ZIP CODE 92115
4905 No Return
4915 No Return
4925 Hugg Sidney L ◎ 466-2806
4928 Wilcox Robt D Jr ◎ 469-3271
4930 Wilcox Patty

904
HARBOR DR E —FROM PACIFIC HWY AT A POINT ½ BLK SOUTH OF W MARKET ST SOUTHEAST

ZIP CODE 92101
KETTNER BLVD BEGINS
5TH AV BEGINS
501 Campbell Industries ship bldrs 233-7115
825 Port Of San Diego mtce ofcs 291-3900
8TH AV INTERSECTS
931 Papakube Densification Machinery (Mfg Plant) 286-7644
Paper Cube Co buy & sell wastepaper 233-5209
ZIP CODE 92113
1025 Van Camp Seafood Co (Cannery Div) 231-1911

905
SIGSBEE ST ENDS
1795 City Metropolitan Sewer Dist (Pump House No 5) 236-5600
BEARDSLEY ST INTERSECTS
1821 Vacant
1883 Allied Tank Cleaning Corp marine & ind 239-8131
CROSBY ST INTERSECTS
1905 Kelco Co (Whse)
1935 Kelco Co (Whse)
2025 Kelco Co (Eng Dept) 233-5149
2075 California Milling Corp flour 232-9121
SAMPSON ST INTERSECTS
2295 Atlantic Richfield Co oil producer & shipper 233-8979
San Diego Pipeline Co 232-2432
SICARD ST INTERSECTS
2351 Chevron-U S A Inc 232-3334
San Diego Petroleum Corp pet distr 234-5111
2405 Pan Pacific Fisheries (San Diego Ofc) tuna boat repr 239-3021
Radacom Marine Inc marine electronics 235-4424
SD & AE RY CROSSES
BELT ST ENDS
2800 National Steel & Shipbuilding Co 232-4011
S 28TH ST ENDS
2805 Miller L W Co genl merchandise-retail 234-2823
2931 National Steel & Shipbuilding Co (trans dept) 232-4011
3500 City Pumping Sta No 1

904
HARBOR DR N —FROM 500 E HARBOR ST NORTH ALONG SAN DIEGO BAY

ZIP CODE 92101
570 Star & Crescent Boat Co chartering & renting serv 234-4111
W MARKET ST ENDS
650 United States Oceanography research
G ST INTERSECTS
W TUNA LA INTERSECTS
700 Vacant
720 Fleet Landing pier 235-3534
750 Vacant
930 Navy Pier
937 U S N Commander Naval Base San Diego (Admn Ofc) 235-3518
U S N Communications Sta 235-3374
U S N Commander Naval Base S D (Commander Ofc) 235-3511
Fleet Accounting & Disbursing Center-Pacific 235-3174
U S N Sup Center 235-3103
Chapman College (Liason Ofc) 232-7158
U S Naval Supply Center Building
960 U S Naval Reserve-Readiness Command Reg 19 235-3811
Navy Pier Building
U S Military Sea Lift Command Unit 235-3731
W BROADWAY ST ENDS
1009 Berne's Hofbrau Inc tavern 234-1964
1011 International Longshoreman's Whsemn's Local 29 232-5772
1050 Shore Snack Bar 234-4111
Glorietta Boat-Ique gift shop 234-4111
San Diego Harbor Excursions 234-4111
1140 B Street Pier Office Building
South Coast Distributions adv distr 232-4845
Rooms
1 Shreve & Hays Inc custom hse brokers 232-8941
4a Sterling George C Co mfrs rep 234-7796
4b Flight Classics custom made airplane mfr 234-5751
5 Petroleum Specialties Products fuel & oil conditioner sls 231-2728
6 Dunn J H Co mfr rep-food brokers 234-6578
6 De Anda Ruben coml illustrator 231-4702
7 Dept Of Commerce natl marine fisheries serv 293-6540
11 University Of California cooperative extension program 234-4033
STREET CONTINUED
1306 Benson Wm D model ship mkr 232-4887
Maritime Museum Assn Of San Diego 234-9153
Star Of India Maritime Museum 234-9153
1341 Hair Dock The 239-2328
1355 Holiday Inn At The Embarcadero hotel 232-3861
At The Wharf Hair Designs For Men barber 232-7649
Bottle Hatch Liquor 234-8369
Embarcadero Room The restr & cocktail lounge 235-6411
Embarcadero Trading Post gift shop 234-2411
Greenway Brewer Newton hotel mgmt 231-2427
Home Port The coffee shop 232-3861
Shell World ocean curios 236-1471
Ramsey's Gift Shop 234-3861
Rivera's Al Men's Shop 235-4422
Anthony's Harborside restr 232-6358
Johnson World Travel 236-0826
Sweater Box The womens clo 234-1314
1360 Anthony's Fish Grotto restr 232-5103
Anthony's Star Of The Sea Room cocktails 232-7408
W ASH ST ENDS
1820 Embarcadero Marine whol oil distr 233-6884
W GRAPE ST ENDS
W HAWTHORNE ST ENDS
2101 Lubach's Restaurant 232-5129
Netherlands Vice Consulate consulate 232-8566
2201 Solar Turbines Intl 238-5500

906
W LAUREL ST ENDS
2700 Ye Dock Master (Stge)
2701 Teledyne-Ryan Aeronautical 291-7311
Teledyne-Ryan Electronics mfrs 291-7311
2710 U S Dept Of Trans (U S Coast Guard Air Sta) 293-6510
U S Dept-Trans Coast Guard (Reserve Training Cntr) 293-5866
US Dept Of Trans Coast Guard 293-5887
Dept Of Trans-U S Coast Guard (Marine Safety Ofcr) 293-5860
2930 Bigge Drayage Co machy movers 297-2062
Genl Dynamics Harbor Dr Fclty & Marine Tech Cntr (convair div)
2980 Fluid Systems Div U O P Inc reverse osmosis modules & sys 299-9920
3225 Pacific Southwest Airlines 574-2100
P S A Employees Federal Credit Union 297-3816
STILLWATER RD BEGINS
3380 Lockheed Missiles & Space Co Ocean Laboratory oceanography 298-8245
AIR LA BEGINS
3665 Best Cleaner & Contractors Inc (Jan's Ofc) 296-1426
Ace Auto Park 291-1343
Golden West Airlines 231-2306
Airport Barber Shop 295-0330
Republic Airlines 231-7345
Sun Aire Lines 291-3620
Allied Aviation Service Co porter serv
Imperial Airlines 231-7371
Bar Chica cocktail lounge 231-5100
Budget Rent-A-Car 297-3318
Cabrillo Court restr 231-5100
Catalina-Vegas Airlines 231-7311
California First Bk (Airport Ofc) 294-4340
Continental Airlines 231-5030
Host International-East Terminal concessionaire 231-5100
Tele-Trip Co Inc travel ins 295-1501
Pan American Airlines Inc 231-7666
National Car Rentals 231-7100
Pacific Southwest Airlines Inc 231-5505
Port Of San Diego (Lindbergh Field) 291-3900
San Salvador The cocktail lounge 231-5100
Swift Air Service charter serv 231-7311
Travelers Aid Society & Airport Paging orgn-welfare 231-7361
United Air Lines 231-5600
Air Bahia airlines 697-5841
Dollar Rent-A-Car car rental 295-2464
Trans World Airlines 231-7343
3707 San Diego International Airport Lindberg Field 231-5220
American Airlines Inc 232-4051
Delta Airlines 239-3431
Conquistador Cocktail Lounge 231-5106
Host International Gift Shop 231-5100
Host International West Terminal concessionaire
Western Airlines 231-5353
Sin Impriestos-Duty Free Gift Shop
3871 Hertz Rent-A-Car 231-7000
3875 Avis Rent A Car System 231-7171
3901 Spanish Landing park
ZIP CODE 92106
4077 City Pumping Sta No 2 291-8208
4800 USn Fleet Anti Submarine Warfare Training Center 225-4405
US Navy Fleet Training Group 225-4102
U S Navy Training Command pacific fleet-training center 225-3401
Department Of Navy pacific fleet intell trng cntr 225-3326
4823 Butler Charles Chevron 225-1553
4855 Kaiser Setskuo beauty opr 222-3522
Jackie & Liela beauty oprs 222-7462
4871 Sambo's Restaurant 222-2637
4873 Lost Knight cocktail lounge 223-3632
4875 Royal Quality Inn Of Point Loma motel 224-3621
Sand N Sea liquors ret 223-7991
Harbor View Associates 226-0451
Green Don Hair Fashions 222-0116
Systems Consultants Inc eng consults-data process 224-3395
Bernal Travel Agency 224-4139
California Developers Insurance Agency ins agcy 224-3281
Dico Insurance Agency ins agcy
Mc Bride Margt Literary Agent 225-0280
4904 San Diego Commercial Marina (Stge Yd)
L & W Communication Co supplies sls serv & repr 225-1522
Skelley Steve A
4960 Harbor Boat & Yacht Co boat bldrs repr 223-3133
Harbor Boat & Yacht Fuel Dock 222-5103
4975 Boise Cascade-Point Loma lbr-ret 223-7111
5005 Posada Inn At Point Loma hotel 224-3254
5043 Chinese Pavilion restr 224-3568
SCOTT ST INTERSECTS
5055a Western Fishboat Owners Assn 224-2475
American Fishermen's Research Foundation 224-7546
5055b Ralston Purina Co Van Camp Sea Food Co 224-3258
5055c Mar Azul Enterprises Inc mktg research 223-9850
Tuna Ventures fish brokerage 222-0318
5055d Doering's Yacht Upholstery 223-6959
5055e Cavell Realty 223-3654
5055f Fathoms Plus shell fish traps-mfrs-sls 222-8385
5055g Point Loma Marine Inc communications 223-9889
Harbor Marine Ins 222-2212
Marine Communications Serv Co sls rep 223-9889
5055h Radar Service Center boat radar serv 222-2576
5055i Vacant
5055j Fisherman's Union Local 33 I L W U labor orgn 223-0772

335
ROSECRANS ST INTERSECTS
5102 Point Loma Travelodge 223-8171
Kindle Le Roy V 223-8171
5104 Sun Harbor Yachts Topaz West 222-1183
Sun Harbor Marina boat moorage 222-1183
D'Agostino Paul

y Mesa Rd.
San Diego, CA (92111)
VERDE
1072 Ireena St.
566-8800
San Di

JAMESTOWN RD—Contd
5335 Krongold Damon 270-6605
5340 Rueckert Vera Mrs ◎ 272-5108
5341 No Return
5348 Mickey M F 272-5655
5358 Johnson Ed F ◎
5368 Clum Wm F
5378 Miehls Harold G 270-9180
5388 Vacant
5398 Wells David ◎
5408 Campbell Joseph S ◎
5418 Reynolds Donald L ◎ 273-1761
5428 Martin Clark ◎
5438★Hall D
5448 Piccirelli Terry D ◎ 275-3848

567
JAMESTOWN WAY —FROM 1 WEST OF 5300 JAMESTOWN RD EAST

ZIP CODE 92117
4501 Mac Intire Floyd B ◎ 273-7816
4510 Zimmerman Thos G ◎ 274-3609
4511 Overfield Kenneth W ◎ 273-4446
4520 Murphy Warren N ◎ 274-5858
4521 Lawler Edw J ◎ 273-2359
4530★Walsh M 276-3642
4531 Olive Dorothy J Mrs ◎
4540 Wendler Wm E ◎ 272-3161

537
JAMIE AV —FROM 6820 DORIANA ST SOUTHEAST

ZIP CODE 92139
DOTI POINT DR ENDS
2156 Custodio Domingo 475-7391
2164 Augello Robt ◎ 475-2227
2172★Price Robt E
2180★French Robin A
2185★Delacruz Jimmy R
2188★Curtis Chas ◎
2195 Vacant
★Rayad Ceasor ◎ 479-2611
2196 No Return
FOWLER DR ENDS
2214 Quintanilla Ideomedis ◎ 475-0600
2215★Signo Victor 294-5661
2224 Polie Anthony P 479-0451
2225 Vacant
2234 Vacant
2235 Vacant
LEIGHTON CT BEGINS
2244 Tripp Michl F ◎ 479-1441
2254 Callado Levy C ◎ 475-3956
2264★Leonard John
WOODMAN ST INTERSECTS

54
JAMUL ST —FROM 462 CUYAMACA AV EAST

ZIP CODE 92113
4110 Brace Linda Mrs
4111 Hawkins Isa Mrs ◎ 264-0554
4114 Quadros Juan ◎ 264-3209
4117 Cherry Manuel ◎ 262-0458
4125 Thomas Mamie Mrs ◎ 263-1559
4132 No Return
4133 Hendrix Virginia Mrs ◎ 262-7176
4134★Parker Linda 262-0229
4141★Pimentel Efrian ◎ 264-8384
4149 Thompson Corean Mrs ◎ 264-9378
4153 Lagrone Priscilla Mrs ◎ 263-8525
4154★Gaines Claude Jr 263-0451
4157 Castillo Roberto
4158★Brown Michl D 262-4562
4160 Munir Adib 262-7280
4164 Tryon Mary K Mrs ◎ 264-2802
4170★Martines Rose ◎ 262-7083
4172 Rosete Filipina Mrs

183
JANAN WAY —FROM 6030 COZZENS ST EAST

ZIP CODE 92122
4310 Mayo Steph A ◎ 453-5708
4311 Beth Thos G ◎
4318 Vitalich Nicholas A Jr ◎ 453-5299
4319 Hefferon Thomas W ◎ 453-5425
4326 No Return
4327 Marincic Anthony F ◎ 453-2572

548
JANET PL —FROM 4640 LUCILLE DR WEST

ZIP CODE 92115
4615 Nelson Alric ◎ 583-5361

305
JANICE CT —FROM 9250 GEMINI AV NORTH

ZIP CODE 92126
10930 Olaes Cesar ◎
10935★Klein Margt M 578-3287
10942 Taff Randall N ◎ 271-9058
10945★Anderson Richd 578-8747
10954★Ellertson Gary D ◎ 566-8145
10955 Cox Jim 566-9011
10965 Mumper Donald E ◎ 566-3451
10966★Henderson Clark 578-3455
10975 Severinghaus Richd J ◎
10978 Mc Millen Geo 566-3836
10985 Doliente Robt J ◎ 566-5139
10990 Avakian Vaughn V 566-2842
10995★Banfield Lorne ◎ 566-0941

57
JANNEY CT —FROM 1745 BURTON ST EAST

ZIP CODE 92111
6821 Cakerize Don 560-0997
6822★Nelson Suzan F 565-0587
6831 Lyons Sam ◎ 277-1771
6832 Kim Ikson ◎ 277-7190
6841 Barrera James ◎
6842 Montoya Larry ◎ 278-7527
6851 Weeks Troy R ◎ 292-9991
6852 Moran Guillermo ◎ 268-3701

269
JANUARY PL —FROM 4579 EXCALIBUR WAY NORTH

ZIP CODE 92122
8951★Robinson Robt G ◎ 453-9681
8952★Stucky Robt
8958 Hakins Dick 452-9756
8959 Haney Jim W ◎ 452-7473
8964 Mc Cormick Jay N 452-0597
8967 No Return
8974 Chu Hilbert ◎ 452-9245
8975 Sanchez Fernando J
8984 Lewis Gary 276-7335
8991 Vacant
8993 Santonil Ross T 453-8106
8994 Woo Calvin
9005 Von Soosten Frederick L ◎ 455-5382
9015 Lindborg Velora A 455-5909
9016 Hershenson Anna 455-5487
9025 Vacant
9030 Vacant
9035 Tracy Michl 452-7779

171
JAPPA AV —FROM 4500 MELISA WAY EAST

ZIP CODE 92117
3214 Vacant
3215 English Thos ◎ 273-0275
3225 Perritt Birtus D ◎
3234 Greaves Norma D Mrs
3235 No Return
3245 Cranna Wm P ◎ 273-2768
3246 Clarke Donald J
3255 Sellars Joseph E ◎ 273-3882
3256 Gaines Robt H ◎ 273-2208
3265 Profeta Michl ◎ 276-0439
3266 Baumgartner Sophie S Mrs ◎ 273-0031
3276 Ryzdynski Beulah V Mrs ◎

335
JARVIS ST —FROM 2 SOUTH OF 1670 ROSECRANS ST NORTHWEST

ZIP CODE 92106
2806 Howe Robt 223-7236
2809★Furlong Philip B 224-3019
2810 Johnston Keith R
2811 Vacant
2812 No Return
2815 Artz Mabel M 222-9014
2817 Johnson S K 224-0396
2818 Case Grace H 224-4645
2819 Cornman Mary Mrs 224-3956
2820 De Mott Barbara
2821★Brannick Kimberly A 223-9405
2822★Kelley Mae V
2823★Tynen Mary-Ellen 223-8752
2825★Miettinen J N 224-6527
2827 Hernandez Sherene 222-5944
2829★Seamans Arth F 223-9241
2831★Murdy M 224-7606
2836 Rodrigues Manuel Jr 223-0764
2838 Vacant
2840 Ackerly Christin 222-8922
2842 Medina Manul J
SCOTT ST INTERSECTS
2901 Vacant
2902 Clark Arron B 224-7731
2904 Campbell Glenn E 224-7238
2906 Hazlewood Johnie E 224-5438
2908 Roy Rodney A
2911 Andrade Mary G Mrs ◎ 222-8136
2912 Fickel Donna M 222-4039
2913 Motta Antone
2914 Jones Betty A Mrs 222-3371
2916 Akers Rebecca S 223-8530
2918 Pehl Linda 226-8258
2919 Curry Hilda L Mrs ◎ 222-6295
Curry John E
2931 Yetter Elmer ◎ 224-5570
ROSECRANS ST INTERSECTS
3010★Hassen David
3019 Loma Tree Service & Landscape Mtce 224-4968
★Willis Yale 222-9589
3020 Vacant
3023★Langley Patk
3025 Orestano Stephen C 223-6028
3027★Ileson John
3028 Rodrigues Joseph Jr 222-5960
3029★Garsen Robt
3035 Vacant
3036★Romero Lucia R
3037★Ruelas Alward
3045 Kublinski John W ◎
LOCUST ST INTERSECTS
3103★Snell Jeffrey H 223-9911
3104★Secord Deborah L 224-8396
3105★Mulholland Jeannette 224-7216
3107 Vacant
3109 No Return
3110★Braz Orlando 223-3563
3110½ Bragadeste Alexandre 222-9704
3111 Vacant
3112 Sousa Maria T Mrs ◎ 222-6287
3113 Carlisle Stephan W 226-0803
3115★Mackintosh Jon A 222-9765
3115½ Ross Saml G 222-9453
3117 Dos Passos Joao F 222-1561
3119 Medeiros Augusto
3120 Plummer Charles ◎ 222-5693
3121 Ranieri Joseph J ◎ 223-0335
3123 Olsen Bruce
3127 Furuya Geo ◎ 224-5201
3128 Weitman Lary 223-4102
3135 Lucas Jose C ◎ 224-8661
3136 Whalin Mabel L ◎ 222-2109
Gervais Mabel L Mrs 223-4195
3146 Silva Manuel J ◎ 223-0504
EVERGREEN ST INTERSECTS
3204 No Return
3207 Nunes Mauricio F ◎ 223-3382
3212 Joseph Emily L Mrs
3219 Placido Anthony P ◎ 222-2627
3220 Rebelo Joel ◎ 222-5077
3227 Johnson Reginald ◎ 223-6986
3228 Fontes Jose S ◎ 224-9056
WILLOW ST INTERSECTS
3414★Heaton Robt
3421★Smith Katherine M Mrs ◎ 224-2663
3424★Zucker Paul C
3433★Bikadi Louis 224-7450
3434★Cornelius Russell J 222-8064
3444★Dicola Mario D 224-9841

515
JAVIER ST —FROM 4700 BLK LIMERICK AV EAST

ZIP CODE 92117
5218 Hensle Earl Jr ◎ 292-6029
5219 Gann Joseph ◎ 279-6536
5232 Rosson Ronald L ◎
5233 No Return
5246 Ott John N ◎ 279-0443
5247 No Return
5260 Kear Norman R ◎ 277-8559
5261 Hubbard Ronald F ◎ 565-4894
5274 Winters Donald 565-2904
5275 No Return
5289 Kilpatrick Joyce Mrs ◎ 278-1041
5290★Judd A T
5305 Broz Marilyn Mrs ◎ 277-5781
5308 Estey Patricia D ◎ 560-9030
5319 Wheeler Dorothy J Mrs 279-1165
5322 Giaquinta Richd ◎ 277-0364
5333 Rodgers Richd E ◎ 278-8390
5336 Hoang Sang 565-1170
5347 Altig Chas ◎ 560-9084
5352 Fabian Carlos 278-8456
5361★Brents C 279-4047
5366 Whitney Florence E Mrs ◎
5375 Robbins Leslie L Mrs ◎ 292-1540
5378 Vacant
5390 Norrell Robt A ◎
5391 Cordle Anna K Mrs 273-7369

643
JAZMIN CT —FROM 10885 MONTEGO DR SOUTH IN A CIRCLE

ZIP CODE 92124
5331 Wilson Bernardine V Mrs ◎ 277-5239
5332 Settle Reed W ◎ 277-9578
5336 Bariring Michl P ◎ 292-9138
5337★Pejsa Joseph A ◎
5343 Korican James A ◎ 279-0837
5344 Roberts Larry A ◎ 278-8402
5349 Sanger Paul R 278-7452
5350 Catello Geo M ◎ 279-2830
5356 Shimamoto Robert K ◎ 279-3844
5359 Ayala Gabriel ◎ 279-3291
5362 Battaglia Joseph T ◎ 277-4435
5368 Barrett Wm R ◎ 560-9785
5369★Cvetkovich Paul ◎ 277-4415
5374 Parker Howard M ◎ 279-4755
5379 Gaston Thos E ◎ 278-5065

548
JEAN DR —FROM 4700 MIRACLE DR SOUTHEAST

ZIP CODE 92115
4704 Thomassen Ruben B ◎ 287-5364
4720 Moorhouse William ◎ 286-3615
4725 Vitus John A ◎ 286-9959
4728 Parry Geo S ◎ 583-5950
4740 No Return
4741 No Return
4748 Kozlowski Thos H
4751 No Return
4758 Wolfe N Eva ◎ 583-5520
4804 No Return
4807 Grainger R O ◎ 287-6209
4814 No Return
4826 Radding Gene V ◎ 287-4759
4829 Rorig Estelle Mrs ◎ 583-0529
4834 Mc Govney Harold A ◎ 582-0952
4846 No Return
ADAMS AV INTERSECTS

478
JEFF ST —FROM 3900 COLLEGE AV EAST

ZIP CODE 92115
6206 Mc Mahon John H ◎ 287-0642
6218 Mize Hisae ◎ 286-7920
6230 Bonar Ivan E ◎ 582-8063
6235 Terry Herbert A ◎ 582-0297
6240 Jones David C ◎ 582-5733
6248 Avery Wm H
6251 Tanner Robt L 287-9580
6260 Rinks Edw E ◎
6261 Rahder Dave J ◎ 286-1329
6268 Martinez John P ◎ 583-8383
6269 Evans Lester R 582-2781
6280 Hammond Wm B ◎ 583-0233
6281 Fenwick John T ◎ 582-1496
6286 Rippee Richd ◎
6289 Miller David W ◎ 582-0712
6294 Hamilton Henry
6295 No Return
6303 Wagner Carl A ◎
6304 Tarleton Thomas D ◎ 582-7475
6310★Norton Robt
6311★Kruchkowski Steven F ◎ 286-2858
6316 Switi John W ◎
6317 Brooks Irene Mrs ◎ 286-7380
6322 Licori Lois 583-2866
6323 No Return
6328 No Return
6329 Sardina Pasquale ◎ 582-8027
6336 De Baker Lloyd ◎ 583-8625
6337 Nelissen Fred ◎
6342 Peveto Gerald G ◎ 287-9477
6343 Merritt Dana L Mrs 286-2978
6348 Vallery Ellery J ◎ 286-9667
6349 Skeens Dorothy E Mrs ◎ 583-7640
6354 Niblett M A ◎ 287-6728
6355 Vega Raul ◎ 583-1614
6360★Chateau Donald T 286-8434
6361 Skoglund Willard H ◎ 583-1890
6366 Shult Roy E ◎ 582-8263
6367 Villegas Edw Jr ◎ 583-2628
6372 Robinson Lawrence N ◎
6373 Coleman Otha R ◎ 582-0421
6378 Jacobson Mae K Mrs ◎ 583-8121
6379 Suggett Juanita Mrs ◎ 583-2599
6384 Udvarhelyi Glenn R ◎ 583-3978
6385 No Return
6390 Bowers Marian L ◎
6391 Clemence Arth G ◎
6396 Skeese James W 287-3314

23
JEFFERSON ST —FROM 3900 OLD TOWN AV NORTHWEST

ZIP CODE 92110
2326 Vacant
2340 Apartments
1★Pagan J
2 Mosz D
3★Hernandez M
4 Grimm M
5 Savage Chloe L 291-3544
6 No Return
2341 Delgado Jose G 297-4976
AMPUDIA INTERSECTS
2371 Herrera Geo J ◎
2377 Anholzer Edw H ◎ 296-2241
2383 Vacant
2385★Mc Michael John R

KEARNY VILLA LA—Contd
3485 No Return
3487 Scholl Robt R 565-8521
3489 Huston Janet L 571-0175
3491 Jones Sam A 279-0434
3493★Younger James E Jr 565-7187
3495 Wells Wm T 565-1310

649
KEARNY VILLA RD —FROM MESA COLLEGE DR NORTH (A FRONTAGE RD ON EAST SIDE OF STATE HWY 163)

ANNRAE ST INTERSECTS
143
AERO DR INTERSECTS
3870 S D City Fire Dept (Repr Facility) 236-6860
3873 Spider's Aircraft Serv 277-0312
3880 S D City Fire Dept (Truck Co 3) 236-6855
S D City Fire Dept (Engine Co No 28) 236-6855
BALBOA AV INTERSECTS
3891 U S Dept Of Commerce-National Weather Service 293-6246
4005 Explorer Post 1011 (Boy Scouts Ofc) 278-8888
653
5011 General Dynamics-Electronics Div mfrs 279-7301
General Dynamics-Convair Div 277-8900
General Dynamics-Western Data System Center 277-8900
5225 Hoppin' Grape tavern & grill 560-9096
5235 Vacant
5247 Black Angus Steak House 279-3100
5255 Springfield Wagon Works restr 565-2272
KEARNY VILLA WAY BEGINS
5345 Cagle's Shell Service 278-9362
5353 Filippis Pizza Grotto restr 279-7240
5375 Kearny Villa Square shopping center
SUITES
100 Clyde's Deli catering & restr 560-5662
102 Gabriel's Gourmet Steaks ret meat 560-1230
103 Vacant
104 Trans-Cal Realtors 292-7971
104 W J Developers land developers 292-0930
105 Books For Life books & religious goods 565-8377
106 National Automobile Club 560-5202
107 Taco Express Inc restr
108 Journey young adult night club 279-2040
112 Southern California Suntanning Salon 571-1241
113 Ham Radio Outlet radio sup 560-4900
114 Gurney Philpot Co Inc postal uniforms ret 279-1481
115 Vacant
116 Swisher Insurance Agency 560-5115
117 Vacant
118 Select-A-Car sls & leasing 569-1995
120 Vacant
CLAIREMONT MESA BLVD INTERSECTS
5445 Denny's Restaurant 277-7272
5463 Digital Equipment Co 292-1818
5485 Vacant
MONEL AV BEGINS
5520 Sports Inn cocktail lounge 278-5332
5522 Gold Nugget Card Room Of Keaney Mesa 571-9742
5524 Magic Grooming By Carl dog 278-4494
5537 Under Constn
5561 Vacant
5561½ D & D Processing silk screen prntrs 560-9076
5563 A-Mayer Inc electronic equip sls & serv 565-1101
Amayer Service Center telev & radio serv & repr 292-5272
Audio Video Supply audio-video equip sls & repr 279-9250
Recording Center Servico Co piped in music serv 565-1101
Electronics Sales & Service Co electronics distrs 279-9250
5565 Vacant
5567 Olympian Sports Products whol raquet ball sls 292-6000
5569 Aerco Systems (Parts Stge) 292-8840
5571 Topaz Electronics (Mfg Plant) 569-7982
5575 Magnetic Devices Inc transformer mfg 279-7054
5577 Powermark (Div Of Topaz Inc Elec) mfr 565-8363
5580 United States Rentals Inc constn equip rentals 565-7122
5610 Liquid Carbonic Corp industrial-med gas distr 278-0102
5624 California Awning & Canvas Co canvas & wood products mfg 279-7085
5625 Cal-Rob Electronics equip sls 565-6814
G & H Distributors electronic parts sls 277-3490
Harlan Labs electronic rental & serv 278-1700
Habooz Enterprises importer exporter & eng consul 569-0814
Med Systems med equip repr 565-6880
San Diego Microscope sls & serv 569-8291
5627 Vector Financial Inc real est loans 560-5601
Interstate Marketing Assocs electronic sup whol 278-0870
Hobson Financial real est financing 560-5601
5630 Keystone Automotive Plating 277-6650
5635 Porta House Inc relocatable structures sls 569-0251
5660 Perfecto Cast foundries 277-6711
KEARNEY VILLA CT INTERSECTS
5665 Asteroid Corp electronics 277-3710
Scientific Devices electronic equip 279-6642
5670 Balboa Plumbing Co Inc 277-5880
5680 Adohr Milk Farms dairy 277-8354
5700 Metropolitan Towing Inc 278-6450
Kearny Mesa Towing towing serv 296-2352
5725 Cohu Incorporated (Electronics Div) electronics mfg 277-6700
Delta Design Inc (Div Cohu Inc) electrnics mfr 292-5000
5730 Vacant
5750 Diesels Unlimited diesel conversion 268-3343
5752 Carlsen & Herold concrete contrs 560-0141
5760 Mini Redi-Mix 560-4808
Rother's Railroad Ties used 565-4798
5803 A-Painting painting contr 277-5567
BLDGS
1 Pepper Industries Inc steel fabricators 268-3559
1 His Business elec equip mfrs 292-9831
2 Large H R Associates custom furn bldrs 560-1127
3 Precision Images signs & graphics 277-0321
2 A-Painting pntr 277-5567
2 Calif Plastic Design packaging material mfrs 571-2758
3 Large H R Assocs (Production Dept)
5805 Hydro-Scape Products Inc lndscp & irgtn sys distrs 560-6611
Component Housing Mfg Co 277-0611
Futura Enterprises genl eng contrs 560-7445
Arval Metal Supply Incorporated industrial metal distr 292-7996

653
KEARNY VILLA WAY —FROM 5345 KEARNY VILLA RD SOUTH

ZIP CODE 92124
5205 Kearny Villa Way Office Building 571-7821
102 Continental Dealer Supply Corp duplicating machs & sups 292-1641
103 Culver Personnel Agency 239-2363
104 Kearny Villa Way Ofc Bldg (Leasing Ofc) 571-7821
201 Swartzlench real est 277-8104
5252 Schmidt Fire Protection Inc 279-6122
5256 Equipment Specialists Inc auto indl serv equip 565-9022
Beerdsen E J Company auto repr 566-8381
Williams Carl Equip Repr-Serv 565-2062
5258 Richey Electronics Inc distr 565-4444
COMPLEX DR BEGINS

453
KEARSARGE RD (LA JOLLA) FROM 1441 AL BAHR NORTHEAST

ZIP CODE 92037
1506★Shea Mike 454-3935
1516 Schmidt Noel F ◎ 459-7989
1521 Walter Fritz ◎ 454-0917
1526 Stevens John J ◎ 454-6825
1538 Durham Robt J ◎ 454-7996
1598 Cavallaro Leonardo ◎ 459-0790
1601 No Return
1606 Angelman Jack D ◎ 454-4148
1623 No Return
1627 Miner Blanche L Mrs ◎ 454-1560
1642 Barondes Saml H ◎ 454-6964
1648 Small Linda K Mrs ◎ 459-7273
1650 Sanchez Mario ◎
1657 No Return
1665 Strong Stanley C ◎ 454-6962
1706 Schmidt Joseph 459-1707
1714 Allen Danl T ◎ 459-5401
1721 Hollow Joseph H ◎ 454-8482
1722 No Return
1730 Holly Joseph A ◎ 454-6944
1745 Rudee Lea M ◎ 454-9239
SOLEDAD AV INTERSECTS

107
KEATING ST —FROM 3800 INDIA ST NORTHEAST

ZIP CODE 92110
3553 No Return
3555a★Witzler Kathleen
3555b Schoenfeld B L 299-8448
3555c Bauer Jane 297-9865
3557 Carey Steve A 295-6955
3567 No Return
3568 Brussel Jack C ◎ 299-0772
3569 Haulman M E 295-1208
LINWOOD ST INTERSECTS
3605 Heilig Franz X ◎ 298-7060
3607 Vacant
3609 Mitchell Edw P ◎ 291-0909
3611 No Return
3620 No Return
3622 Barnard Robt S 295-9230
3624 No Return
3625 Harbor Lights Condominiums
1 Colvin Kay L ◎ 299-2604
2★Mohr Maureen C 298-3886
3 Reed Emmett E ◎
4★Logsdon Kenneth L 692-9777
5 Reese B G 298-9251
6 Billick Mary E ◎ 295-9892
7★Schesinger F
8★Sheridan C 574-1278
9 Dowell
10 Mc Nary Gene D ◎ 295-1408
11 Carey John
12 Morrow Victor 291-2182
13 Middleton James F 291-6163
14 Walker Marjorie J 297-1324
15 Bennett Louis 298-0873
3626 Conroy James J
3628 Vacant
3630 Feldman Michl E 298-6605
3632 Wilson
3634 Vacant
INDIA ST INTERSECTS
GUY ST INTERSECTS
3652★Canton Juan J
3654 Valencia Sonia 296-9188
3655 Briarwood Apartments
★Beckman C 692-9499
3656★Spencer Phillip 574-1459
3657★Toro Rene L 299-0859
3658★Fleming E M 692-1704
3659★Houghfeling Joni 299-9874
3661 Sharpe D
3663★Haliburton D 692-9781
3665 Robertson
3667★Kirkpatrick J
3669★Lewis Floyd
3670 Apartments
1 Strang Frank M ◎ 296-2202
2 Baser Helen C 298-7524
3 G & S Assoc amway distr 291-0167
3★Glowenski Andrew M 291-0167
4★Salter Loren F
3671★Thomas Ralph 291-0509
3673★Dominguez Geo 298-5599
3675 Mathieu F 298-4860
3676★Marsden Bruce 299-7358
3676½ Hubbard Frank
3677★Habedank Calvin I 295-5451
3679★Ewing M C
3681 Haw Michl A 291-4253
3683★Moyers Steven 692-9463
3685★Jenkins David A 293-7395
3687★Landon Kathleen 291-1662
3689★Hoffman Robt W 298-8698
3710 Murillo Rufina C Mrs ◎ 295-8590
3737 Harbor Sunset Apartments 295-9721
1★Hughes Wayne A 692-1359
2★Marchu D
3 Carr Paul 299-0196
4 Russell Keith L
5 Cummings Charles
6★Cobb-Adams John 293-6938
7 Nace K
8★Cardoza Rita 295-6860
9 Bigley Deborah A 296-2736
10★Kesner Beverly
11 Scherbaum John H 295-9721
12★Mc Lintock Donald
3740 Faulkner Mark
3746 Whelihan Joseph N 291-3349
TORRANCE ST INTERSECTS
3754 Vacant
3765★Szelewslci Kathy 299-4990
3767 Vacant
3776★Epps Emma 291-1959
3778★Leviston R H
3780★Castro Rebecca
3782 Wang C M 297-8823
3784 Flores Carlos 295-2310
3786 Shelly
3787 Pepper Tree Apartments
A★Eyers Colleen 296-9554
B★Robinson Hortense T 295-3009
C Wodash Steven J 294-9536
D Bauer Wm L 298-7338
E Shaffman Scott E 291-2508
3789 Apartments
F Mashecco
G Campbell
H★Hilton D
J★Alexander M
K No Return
L★Alatorre Armando 294-9078
M Gatlin Malinda L 299-4378
3812 Apartments
A★Maret Karl 299-5160
B Abel
C★Carson Chris M 295-1286
D Vacant
E★Carrol M C
F Liketzi Bryon V
G★Mc Caffery Charlotte Mrs 295-0942
H★Varela Michl 291-1673
I★De Groot Len 294-9927
J★Hunter Minnie
K Hill Cornell 296-2862
L★Anderson Coburn 296-4098
M★Mutascio Frank 297-5774
3871 No Return

335
KEATS ST —FROM 2 SOUTH OF 1600 ROSECRANS ST NORTHWEST

ZIP CODE 92106
SHAFTER ST INTERSECTS
2810 Keats Manor apts 223-2092
1★Ona Elmer V 224-9434
2★Salvani Antonio B 224-1635
3★Stewart Debbie
4★Goodman Christine
12 Vacant
14★Aflaque Lourdes
15★Wong Robt
16 Plowman Shirley 222-7232
2812 Apartments
5 Hamilton Richard P 223-2092
6★Hoffmann Lennart 223-2818
7 Jorgensen Michl J 224-1657
8 Vacant
9★Flores Nestor
10★Frasier Shane S 223-0968
11★Perez Nestor
2821 Apartments
1★Sowersby N 222-8803
2★Bowden Jan T 223-6822
3★Jones M
4 Katsuyama David M
5★Rhoades Golda S Mrs 222-4153
6 Sherman Joel H 224-0669
7★Racine John D 222-7487
8★Sharp L
9 Gross Roy R 222-2573
10 Thomas Howard W 225-0667
11 Cullinan Eliz K 224-0913
2827 Apartments
1★Polega Genevieve 226-0271
2★Cooley Robt P 222-6245
3★Bradford Mark
4 Sweat Clyde
5★Romano Rip
6★Disney Debbie
7 Harnack James A 223-1494
2830 Casa Verde apts 222-5505
A★Herdendorf Lynn
B★Lucas Luanne M 222-5145
C★Mantle Robt V 223-5767
D★Porquez Genevieve
E★Siems Mark A
F★Midland Steven
G Winner Hal S 223-9282
★Watts Curtis W

KEATS ST—Contd
J Jameson Ralph 222-5505
K Wells Rodney 224-4421
L★Miller Leroy Jr
M Dorsey Bobbie J Mrs 224-8564
2838 Apartments
A★Coleman Steve R 224-7853
B★Lopez Lupe 222-3625
C★Blackman Steven 224-6007
D★Patrouch Lance 222-6254
2844 Hirst Wm B III
SCOTT ST INTERSECTS
2905 Mitchell Joseph S 224-2509
2909★Coombs Virgil Jr 223-9626
2911★Stucy Walter R Jr 222-5576
2919 Adams Lucier ◎ 224-5164
2929★Taylor Arth 224-1002
ROSECRANS ST INTERSECTS
3021 Butler Craig N ◎ 224-5707
3027 Vacant
3035★Kuklinski Stanley ◎ 224-0133
3045 Oliveira Jose P 224-3022
3047 No Return
LOCUST ST INTERSECTS
3105 Brown Fred W ◎ 224-5003
3111 Garcia Lena C Mrs ◎ 222-8225
3112 Simas Orlando 222-9617
3114 Da Silva Jose
3114½★Da Silva Manuel
3116 Fernandes Felisbela Mrs 224-0762
3116½★Goncalves Rosaria Mrs 223-8519
3119 Costa Bernice Mrs ◎ 223-6598
3120 Almeida Carlos H 223-1481
3125 Payne John M C ◎ 224-9023
3126★Olivera David D 224-5088
3127★Silva Christopher J 222-7856
3128 No Return
3130★De Acquisto Anthony
3130a No Return
3134 No Return
3135 Brunson Joseph W ◎ 224-9771
3136 Stride Raymond K ◎
3143 Lira Luisa Mrs 223-1882
3144 Karosa Edw 224-1185
EVERGREEN ST INTERSECTS
3204 Jones Hattie C L Mrs ◎ 224-5503
3205 Nunes Domingos F ◎ 222-6713
3211 Thomson James A ◎ 222-7409
3212 Oliveira Jose ◎ 223-6617
3219★Stanton Bill ◎
3220 Antonio Francisco ◎ 222-2780
3227 Naragon Glady P Mrs ◎ 223-7038
3228 Lyerla Artie E ◎ 223-8301
3236 Crone Constance M ◎ 223-7031
WILLOW ST INTERSECTS
PLUM ST INTERSECTS
3418 Wedge Homer C ◎ 223-8959
3419 Nascimento Manuel A ◎ 223-8813
3427 Stephenson Agnes Mrs ◎ 222-7222
3428 Green Phillip L ◎
3440 Davis Warren H 222-6001
3441 Delaney Pauline E Mrs ◎ 222-3143

46

KEELER AV —FROM S 42D ST EAST BETWEEN NEWTON AV AND BOSTON AV

ZIP CODE 92113
4201 Duckworth Armeanis R Mrs ◎
4204 No Return
4206 No Return
4208★Morris Polly 263-9965
4211 Tolbert Love
4212 Sharter Clarence
4213 Vacant
4221 Brown Leroy
4222★Pinckney Oliver 263-0842
4230 Moreno Raymond ◎
4231 Myles Willie
4233 Clay Exmond A 263-2744
4236 Fowler Charles B ◎
4244 Lewis Annie Mrs 262-6756

56

43D ST INTERSECTS
4316 Thomas Ruby Mrs 263-1462
4317 Corey Gordon H ◎ 264-2240
4322 Hall Odessa Mrs ◎ 264-5149
4325 Ross Iva A ◎ 262-1552
4328 Ricca Edw E ◎
4331 Cooper Ruby L Mrs
4338 Dickens Wallace E ◎
4339 Fortenberry Jerome Jr ◎
4343★Jones James C 264-1645
4346 Smith Ethel L Mrs 264-3947
4352 Bermudez Jesus ◎ 264-8242
4355 Mc Nally Alanzo E ◎ 263-9986
4360 Robinson Carline H Mrs ◎ 264-0695
4363 Vacant
4365 Caine Addie Mrs 264-6105
4368★Charity Leroy
4379 Burks Clifford
4382★Carter Moice Mrs
4385★Hernandez Josephine Mrs
4386 No Return

S 44TH ST INTERSECTS
4404 Baldonado Elmer K ◎ 262-0111
4405 Hayes D H ◎ 262-1669
4409 Clemons Timothy Rev ◎ 264-9115
4412 Palmer Emerson W ◎ 262-0604
4415 Campa Robt M ◎ 262-6217
4416 Cannon Henry W ◎
4421★Ellis Nathan Jr
4422 Sims Douglas B 264-8648
4422½★Green Donna
4425★Woodridge Andrew L
4428 Matthews Charles A ◎ 263-1719
4433★Poindexter Romell L Mrs ◎
4434★Washington Phillip W
4439 Watson Burnell Mrs ◎ 262-6814
4440 Nickson Lena M Mrs ◎ 264-6785
4445 Nolan Eddie ◎
4446 Nelson Wyman R 263-7015
4453 Cooper Ethel Lee Mrs ◎
4454 Mayfield Bessie Mrs ◎ 262-6387
4465 Duggan Jeremiah J ◎ 264-1850
S 45TH ST INTERSECTS

180

KEEN DR —FROM 2500 DUSK DR SOUTH

ZIP CODE 92139
2510 Paguio Chareen
2526 Mariano Gregorio S ◎ 475-0776
2542 Carrigan Michl A ◎ 475-3448
2558 Sungahid Alejandro C ◎ 479-7840
2574★Mapps Jeff ◎
2595 Scherkenbach David J ◎ 479-2108
CAL QUEBRADA INTERSECTS
2601 Cornish Merle C 479-7263
2602 Dulac Arth F ◎ 479-5080
2610 No Return
2611 No Return
2620 Hamilton Daughtery A ◎ 475-2601
2621 Easter Harold G Jr ◎ 479-0179
SEASCAPE DR ENDS
2629 Johnston Joel O 479-8020
2632 Watson Kenneth W ◎ 479-1037
2637 Dreas Donald R ◎ 479-5720
2640 Evasick Edw J ◎ 479-5623
2645 Chandler Dewaine ◎
2648 Whitsitt Virgil D ◎ 475-9094
2653 Crawford James ◎
2656★Martinez Madelina 267-1091
2659★Morey Roger K 267-1372
2664 Marks Alf H 479-8464
2667 Beatty Keith B ◎ 475-3499
2672★Hinks Terry ◎
2675 Velazquez Marco A ◎ 479-5945
2682★Folsom Jerry ◎
2683 Feilen Paul F ◎ 479-3692
2692 No Return
2693 Stribling Ted F ◎
2702 Barry Geo H ◎
2703 Hobbs Glenn ◎ 479-1919
2710 Berry Wm C ◎ 479-5679
2711 Alimagno Rodrigo R ◎ 475-7813
2718 Marks Wm K ◎ 479-5023
2719★Center Lurie L
2726 Kersh Roy L 479-6332
2727 Samson Abraham ◎ 479-6091
2734 Ruff Lewis A Jr Rev 479-8310
2735 Griggs Bernice Mrs ◎
DISSINGER AV ENDS
2743 Wilson Rufus ◎ 479-0523
2751 Morrell Kenneth ◎ 475-3052
2801 Sloan Paul R Jr ◎ 479-4573
2802 Connors Walter J ◎
2809 No Return
2812 Vacant
2819 Anderson Harold ◎ 479-3862
2822 Hitchcock James E 475-5676
2827 Wooddy Wendell P ◎ 479-5656
2830 Vacant
2835 Clay Jack A Jr ◎ 479-5675
2838 Sullivan Russell L ◎ 479-4228
2843 Howard Joe L ◎ 475-1008
2846 Light Mark A ◎ 479-2702
2851 No Return
2854 Coats Ralph S ◎ 479-3603
2859★Barclay G ◎ 267-1034
2862 West Donald F ◎ 479-1872
2867 Hall Kenneth A ◎ 475-4600
2875 Gilbert Fred E ◎ 475-3738
2883 Woodard Purcell ◎

234

KEENEY ST (LA MESA PO)—FROM 7350 EL CAJON BLVD NORTH

ZIP CODE 92115
4997 Vacant
4999 Nolta V L Jr 464-1128
MOHAWK ST INTERSECTS
5003 Corejo Humberto 461-8747
5010 Keeney Plaza Apartments 469-7131
1★Suszko August J 697-4591
2★Goldberg Gregory
3 Baker Gary 697-8553
4★Girton David D 465-5020
5★Semones Nick 698-7884
6★Lawski Joseph 461-4726
7 Swan Gale 466-1273
8★Salahshour Mehrdad 466-8165
9★Mills Larry 698-8292
10★Rector Robt
11★Asher Kevin G 464-4986
12 Hapwood
13 Vacant
14★Ashman Chas 460-5769
15 Kilduff
16★Wilkerson J D 697-7019
17 Sullivan Cindy 461-9955
18★Valdez Rick J 460-2161
19★Hanna Waled F 698-7306
20 Southwick Don R 461-7686
21★Zolina Zane S 461-2248
22 Vacant
23 Fanshaw
24 Vacant
25 Vacant
26★Townsend Tracy
27★Lopez Jose A 462-2702
28★Sacks L 461-3845
5025 Ferguson Motel & Trailer Park 466-3498
Rafsky Harry M 466-3498
5037 No Return
5039 Palmquist Joanne
5040 Apartments
29 Pratt Joseph R Jr 461-4743
30 Vacant
31 Rudy Gary 697-2752
32★Dorrell Arth
33★Holloway Rann
34★Leigh Michl
35★Ruvalcafa Carlos 464-4144
36 Johnson Walter
37 Vacant
38 Contreras Gilbert L 697-6765
39★Gross P 466-0727
40 Vacant
41 Boxer K E 464-3142
42★Franklin Jeff L 464-7352
43★Andrew B 465-1531
44★Morrison Clyde E 465-6106
45 Earby Geo 697-9693
46★Parker Michl 461-9448
47★Russ R J 697-7482
48★Walen J 697-0117
49★Williamson Barry 698-7348
50★Sabin A 462-2149
51 Recht Helen 464-3029
52★Saunders Herbert
53 Lundin Arth L Jr 462-1661
54★Tarantino Tony
55 Mc Broom
56 Watson James Jr
5041 Keeney Steph H 463-7647
5042 Emerick Kenneth S 464-0634
5044★Yoos L 697-7348
5045 Kastle Florence L 461-0649
5048 Helgren Alberta 466-0842
5049 No Return
5052 Norton Eva M 469-5542
5055 Arnett David V 465-1592
5056 Hoffert Victor F ◎ 466-5658
5061 Stewart Scott D ◎ 462-1130
5075 Brown Curtis M ◎ 466-1591
5084 Moss Carlton L 466-1941
5090★Elmendorf David

282

KEIGHLEY CT —FROM 7051 KEIGHLEY ST EAST

ZIP CODE 92120
7007 Peterson Douglas H ◎ 286-0076
7010 Shoberg Clifford A ◎
7017 Weston Francis A ◎ 286-1994
7027★Larfferty Melvin K ◎ 286-2283
7030 No Return
7037 Syrios Andrew ◎ 582-3418
7047 Preibisius Henry G ◎ 582-5272
7057 Bergseid Howard L ◎ 583-3060
7067★Grobe James ◎ 583-1776

282

KEIGHLEY ST —FROM SOUTH OF 5200 FONTAINE ST NORTH

ZIP CODE 92120
7004 Antale James T ◎ 265-0288
7009 Linn Donald E ◎ 286-2949
7012★Sin Song Sern Paul ◎ 287-8291
7017 Lockhart Thos M ◎ 287-9463
7020 Beck
7025 Hurst L Vann ◎ 582-1094
7028★Doerr Rita Mrs ◎ 278-9524
7033 Darnell Roger L ◎ 286-0456
7036 Mihelsic Geo L ◎ 286-3514
7041 Smith Richd J ◎
7044 Paul Benj W ◎ 286-3483
7051 Wetzel Warren I ◎ 583-4952
7052 Cooper John H ◎ 286-2128
KEIGHLEY CT BEGINS
7060★Treadwell Mike J ◎ 287-5817
7068 Lindner Wm ◎ 286-9195
7073 Browning Leroy ◎
7076 Sessions Jim L ◎ 286-1139
7083 Zendel Irving A ◎ 286-7972
7084 Slaughter James ◎
7101 Schmidt Bob 287-9919
7108 Block Earl W ◎ 287-0419
7113★Baronian Michl Jr 265-2868
7124★Tarre Betty I Mrs ◎
7125 Kashou Nabih H ◎ 286-2359
7136 Seitrich Ronald L ◎ 286-2341
7137 Carcallis John ◎
7148 Read Robt L ◎ 583-5792
FONTAINE ST INTERSECTS
7166 Copeland David R ◎
7177★Emerson Robt C 583-2115
7180 No Return
WEMBLEY ST BEGINS
7205 Corbin Charles L ◎ 286-0786
7206 Blake Charles E ◎ 286-7637
7216 Schecter Mark ◎ 287-4700
7225 Jahn Dennis C 287-4442
7226 Labecki Jozef ◎ 286-3318
7238 Maloney Wm F ◎ 582-5260

203

KEIR ST —FROM 2900 MOBLEY ST EAST

ZIP CODE 92123
9002 Vacant
9016 Johnson Danl F
LARKIN PL INTERSECTS
9053 Whitworth Jeannine B Mrs ◎
9065 Caravanantes Richd ◎ 292-5598
9077 Fuller Ray M ◎ 278-1552
9089 Clontz Clarence E ◎ 278-7006
SEGO PL INTERSECTS

39

KELLOGG ST —FROM 1 BLK EAST OF 350 SAN ANTONIO AV WEST

ZIP CODE 92106
SAN ANTONIO AV INTERSECTS
2921 Fernandes John ◎ 223-6869
2927 Thompson Nelson ◎ 223-8004
2940 Ackerman Carl J ◎ 222-5636
2945★Kent Michael 224-0461
ROSECRANS ST INTERSECTS
3009 Apartments
A Vacant
B★Murty C
C Powers Ann C T 225-0482
D★Ulman Claire L 222-9486
E Menzie
F Vacant
3010 Cooper M M
3012 Mc Coy
3014★Murray Florence
3016 Doukas Nicholas G
3018 Tebbetts Michl 224-6111
3020 Von Moos
3023 Vacant
3025 Mc Vay
3026 Casa La Playa Apartments 225-8995
3027★Hayward Brian
3028 Heitenrich Veva 224-1315
3029 Rauenzahn Le Roy G 222-9386
3030 Vacant
3031 Vacant
3032 Carvell Trisha
3034 Culbertson Paul T 225-1959
3036★Kendall Mallory
3038★Burns Mary K 223-0087
3040 Resser C W 224-1001
3042 Flett Geo L 225-8995
3043 Correia Manuel F ◎ 223-3539
3044★Wylde Pete
3046 Zaun James A 222-4951
3048★Applegate Michael
3050 Looney Brian V 222-4343
3052 Price Ircy Mrs 222-1798
3054★Conaway Daniel T 224-0878
3056★Daley John 224-1858
3058 No Return
3060★Stern B N 224-6405
3062 Larson Elanor Mrs 222-9990
3064 Rutledge P A 223-9253
3066 Matranga Gaspare 222-3839
SAN ELIJO ST INTERSECTS
3111 Kelley James L Jr ◎ 222-9073
3128 Stiesberg Fredk M ◎ 222-6613
3145 Boylan Patk L ◎ 222-4917
SAN FERNANDO ST INTERSECTS
3225 No Return

121

KELLOGG WAY —FROM 3226 KELLOGG ST SOUTHWEST

ZIP CODE 92106
3300 Fox Leslie B Mrs ◎
3311 Trepte Albert E
3333 Trepte Walter ◎ 222-8466

NIMITZ BLVD 1980

NIGHTINGALE WAY—Contd
7846 Magdos Emil P
7850 Aufranc W H ◎ 279-2263
7851 No Return
7854 Palthe Donald W 560-1852
7854a No Return
7857 Vacant
7858 Johnson Geo E ◎ 560-6996
7862 Strawn David ◎ 279-2781
7863 Day Marvin G ◎
7866 Perkins Scott 279-3862
7869 Dominquez Dennis Q 277-9229
7870 Katcher Randall M
7874★Carr C M 277-3478
7875 Jones Marietta
7878 Jordan Jimmy J 292-7825
7881 Waasted Mary R ◎
7882 Iguchi Joseph D 560-1532
7887 Steele Carley
MEADOWLARK DR INTERSECTS
7910 Richardson Atha 277-2629
7911 Genesee Gardens Apts 278-2131
7912 Davis Franklin L 565-1862
7914 Evans Faris A 279-6886
7916 Sment B A 279-3097
7920 Mc Gee
7922 Hutchison James K 565-6148
7924 Marshall Sidney C 279-3472
7926 Hoffmann A A Air Condtg & Htg 268-3601
★Hoffmann Alvin A
7930 Allen Robt J
7931 Mobley Enock
7932 Gustafson Carl W 278-8680
7933★Dover Leonard C 571-7799
7934 Tracy John J 277-6799
7935 Williams
7936 Baird Henrietta N 279-4819
7937 Jorgens
7940 Goddard Philip
7941 Hollandsworth R L ◎ 279-6848
7942 Betcher Curtis R 560-4590
7943★Harris Steven W 571-8690
7944 Rogers Claud W 279-4178
7945★Westcott Douglas 279-4308
7946 Vacant
7947 Comeau James M 278-4850
7950 Rector Dale F ◎
7951 De Cima Mel 560-1837
7952 Perez Ronald G
7953 Owen Barry
7954★Winther Claus 571-1630
7955 Keller Kenneth B 277-9448
7956 Vacant
7957 No Return
7960 Culver John L ◎ 279-5994
7961★Wilson Gregg 571-6253
7962 Saunders John
7963★Wassermann Frank O 279-2544
7964 Donnelly Thos W 277-1841
7965 Garrison T A 277-9094
7966 Perkins Bruce 277-0516
7967 Turner S L
8005★Jurgensmeier Y 279-1813
8007 Monti Gloria 571-2923
8008 Liebrich Jim 560-1706
8009 Jarosik Glenda 277-9924
8010★Flaherty Colby II 292-7511
8011★Miller Ernal 278-0624
8012 Baldwin
8014 Brandon Clint L
8019 Faulkner David 292-4097
8021 Shepardson Helen 565-6538
8022★Geinkiewicz Chas D
8023 Sylvester Alban
8024★Whitehead Billy 277-3327
8025★Wakabayashi Ichiro 277-5175
8026 Manning Ardith R Mrs 565-7822
8028 Pals Alexander 571-1137
8033 Robertson Dwaine 268-0402
8035 Shapiro Harold 571-5787
8036★Call Timothy K 569-0958
8037 Copeland Olga T
8038 Vacant
8039 Dalzell Michl S 278-2472
8040 Kemper J M 278-9614
8042★Shapiro Phillip 279-4371
8047 Meyer Richd A ◎
8049★Monti Eug M 278-5009
8050 Molina Carlos 278-0629
8051★Bechtel Robt ◎ 279-9970
8052 No Return
8053★Lasko Peter A 279-7451
8054★Ryba S 279-8428
8056 Ajigol Lahra F 560-9386
8061 Gutierrez Sandra 278-8117
8063 Cordetti Thos
8064★Andrews Michl 277-2356
8065 Skaife Chong 277-4134
8066★Graswick Chas 278-3242
8067 Sawyer Edw G 279-5542
8068 Davis John 277-2307
Davis Inita Y 565-9649
8070★Godal Cynthia 279-2468
8075★Berry Walter E 268-0128
8077★Collewacine Noreen A 571-5980
8078★Smith Marlene 268-0862
8079 Vacant
8080★Billburg Wm S 278-4901
8081★Thompson David 560-7959
8082 Collier
8084★Gosting M 569-8864
8089★Williams J 277-9404
8091 Nemie
8092 Vacant
8093 Nizlek Pat Mrs
8094 Petrick
8095★Foster Geo W 279-2282
8096 No Return
8098 Bethel Paul E 278-8134

86

NILE ST —FROM SOUTH OF QUINCE ST NORTHWEST 1 EAST OF BOUNDARY ST

ZIP CODE 92104
2981 Lazaro Fernando S 284-0129
QUINCE ST INTERSECTS
3005 Santa Maria Samual L ◎ 282-5071
3013 Bailey Ernest J ◎ 284-5217
3051 Vacant
3019 Mc Tague Thos J ◎ 281-5800
3020 No Return
3020½★Pardo Ricardo
3029 Panfil Raymond C ◎ 282-5453
3030 Prazak Loucile M Mrs ◎ 281-9987
3035 Gilmore Tom 283-0184
3036 Castrejon Carlos
3038 Vacant
3045 Hollenbach Francis W ◎ 284-0807
3046 Tarrant Winnie E Mrs 299-9298
3048★Beauliew Alan
3053 Hamilton Robt L 283-4730
3054 Winkelman L C 283-2940
3056 No Return
3057 Flower & Plant Enterprises
Companiotte Lois Mrs ◎ 281-4570
3062 Herrera Gerald S
3065 Ficken Henry ◎ 281-9813
3070 Scholz Richd A 280-2616
3073 Wilkins Karen A
3075★Moraros Kathleen
3081 Jackinsky Craig
3082 No Return
3083 Shaklee Products hlth food 280-3471
Ebners Robt B ◎ 281-5881
3094 No Return
3095 Latendresse Peter A ◎ 283-2460
REDWOOD ST INTERSECTS
3104 Mason John C ◎
3105 Smith Ernest L ◎ 282-8676
3108 Langhorst Freda Mrs ◎ 284-1909
3109 Grate Earl E ◎ 282-5165
3111 Van Tra Chien 280-4296
3112★Blanchard Brad
3114 Hansen Les 281-8904
3115 Evans Russell E 284-5859
3121 Lessenger Lloyd D ◎
3122 Vacant
3124★Norris J 280-7870
3125 Martinez Frank
3127 Steenson Forrest ◎ 284-6913
3128 Johnson Homer B ◎ 282-2064
3133 Higley Dobie ◎
3134 No Return
3136★Holland Wayne K
3137★Watson J M
3139 Crivello Mario 283-2459
3140 Millard Winifred E Mrs ◎ 281-8228
3146 Mennenga Raymond J ◎ 284-8696
3147 Penuelas Alfonso L ◎ 282-8342
3205 Fortunato Guiseppe ◎ 280-3574
3206 Westman Ernest P 280-8964
3208 Stockert Duane L 280-7235
3210 Frank J 284-1079
3211★Pipes R W
3213 Waggoner Harley P ◎ 284-8960
3217 Hoskins Wm 382-6007
3219 Raumer Elsie M Mrs ◎ 280-3227
3220 Bommarito Ambrose ◎ 284-0903
3225 Harrell James H ◎
3226 Maguire Jas
3227 Bisonet Leonora Mrs
3228 Lococo Anna M 282-0469
3232 Figueroa Ernesto 280-6552
3233 Salisbury E E 282-4298
3234 Farmar Billy J Mrs
3235 Schwartz J L ◎ 281-9436
3236 Brown Wm A 282-9334
3237 Collison Larry G ◎
3238 Bowers James A 283-0035
3240a★King Chas
3240b Julian Alfredo J Jr 282-9604
3243 Freeman R E
3245 Perry Marshall
THORN ST INTERSECTS

288

3303 Chavez Frank M ◎ 283-1916
3310 Nile Terrace Apartments
1 Johnston Edwin S 284-7767
2 Blunt Howard R 280-1798
3 Curry G M 280-9217
4 Vacant
6 Callaway Audrey Mrs 282-5263
7 Huppenberger Mildred
8 Lewis Luella 284-1947
9★Rhaton Marie Mrs
10 Danielski Edw A 283-4812
11★Ward James
12 Vacant
14 Brown Carla 281-9881
15 Twohilg Patk.
16★Als Richd
17 Vacant
18★Torrey Frank
19★Knight Carmen Mrs
3311 Gilbert Norman J ◎ 282-3633
3317 Taylor Robt 563-5379
3318★Dodson J M
3319★Morey James K 282-6755
3320 Medvedick Steph P 282-4081
3322 Azevedo M Teresa Mrs ◎ 284-2529
3323 Bryan Ruth H Mrs ◎ 284-8617
3324 Pyers Ross M 281-8713
3325 Szczepanski Steve 281-9295
3327 Fox Hildegarde A Mrs ◎ 281-1768
3330 Kearney Franklin A ◎ 284-7823
3333 Robertson Vera L Mrs 281-8724
3335 Kieferle Marion R Mrs ◎ 284-5455
3336 Barry Eliz M 281-1115
3338★Begel Robt 563-6847
3342 Porter Anthony J 284-2503
3344 Lukens Mark 280-1072
3345 No Return
3402 Bixel Louise E Mrs 284-7029
3403 Severns Florence H Mrs ◎ 282-9788
3404 Morell Frank T
3406 Hoyle Susan 281-5772
3411 Godwin Barbara A ◎ 280-1821
3414 Cruz Paul
3416 No Return
3418 Braun Jay M
3419 Beatty Orville L ◎ 284-3153
3420 Dyck Cornelius 280-5065
3422 Moss Amos R 284-1431
3424 Jankowvsky Stanislav
3426 Cabanne Margt
3427★Barrera Maria
3428★Cantalupo C A
3429 Moss Charles E ◎ 282-2817
3430 Mc Colm Walter L ◎
3434 Weeks Jean Mrs
3435 Metevier Paul ◎ 281-1476
3438 Olsen Ruby B Mrs ◎ 281-7336
3445 Nares Peter ◎ 282-8729
3446 Neyman John C ◎ 281-5107
MYRTLE AV INTERSECTS

118

3502 Cook Mary E
3505 Meehl Tom ◎ 280-1647
3610 Polk Steph 281-0979
3512 Domen Hazel G Mrs ◎ 284-3813
3513 Vacant
3515★Williams John W 284-2439
3517 De Angelis Mike J 281-1680
3520★Ma Bee David M
3521★Ezzell Marceline A 281-9024
3522★Dziewierz Mark S
3523 Vacant
3526 Du Bois
3527 Swanson James ◎
3530 Underwood Wallace W ◎
3533 Rimoldi Henry G ◎ 284-4319
3538 Vacant
3539 Monragon Manuel V ◎ 281-4056
3542 Thompson James A ◎ 282-7942
3543★Hensley Laura 281-3810
3543½ Mullen Wm H 283-4563
3546 Russell James ◎ 282-8407
3549★Traskauskas Jesse
3550 Jacobs Irving L 236-6725
3551 Drake Gordon R 281-7225
3552★Greer Louis W 280-6877
3556 Casuy Madeline R
3559 Stephens Robt P 284-2022
3560 Gentellalli Frank ◎ 282-0303
3561 Traskauskas Al
3568 Cruz Francisco
3568½ No Return
3570 No Return
3572 De La Cruz Jo Ann Mrs 280-8749
3574 Genton Robt
3576★Harris Kath 284-4411
3578 Lenz Leonard L 283-8292
3578½ Lunn E A 563-4027
3593 Dossey Guest Home 281-2893
Heinrich Edw N
DWIGHT ST INTERSECTS
3604★Colin E D
3605 Vacant
3609★Blackledge Jackie L Mrs 280-9602
3611 Krill Harold J ◎ 281-4052
3619 Dietz Richd H ◎ 283-0908
3620 Bonatus Gladys M Mrs ◎ 282-2742
3621 No Return
3624 No Return
3631 Quandt Merton A ◎ 282-0574
3633★Mc Caslin Diane S
3634 Berry Rebecca Mrs ◎
3635★Knowles L
3642 Huber Verna J Mrs ◎ 284-4884
3644 Lacoste Mary M Mrs 283-7767
3645 Hornitz Michl L
3646 Grandalski Lloe Mrs
3650★Lux John W
3652★Briggs Mike M 284-7907
3653 Alexander Donald J ◎ 284-4728
3656 Vinci Philip ◎ 283-5369
3661 Rutley Lillian M Mrs ◎ 283-8289
3664 Marinakis Demetrios ◎ 283-0459
3667 Steiger Anna M Mrs ◎ 282-8331
3674 Augustine V M 281-6909
3677 Finnerty Milford L 284-1821
3682 Apartments
1★Denham Duron
2★Carre Raymond
3★Mc Neese Greg 284-5934
4★Cordero
5★Cochran Allan E 284-2253
6 Vacant
7 Vacant
8★Kerr
3695a Roach Thos D
3695b George June D Mrs 284-8650
3695c★Hamilton R G
3695d Weibel Leo G 280-3119
3696 Skulavik John ◎ 282-7543
LANDIS ST INTERSECTS
3704 Raikes Thelma E Mrs ◎ 284-5815
3710 No Return
3718 Hodina Joseph ◎ 284-2137
3724 Baldino Maria Mrs ◎ 281-1361
3728 Wojtkowiak Frank J
3730★Perez R 281-7235
3736 Odle Wm J ◎ 281-6447
3742 Apartments
1 Vacant
2 Vacant
3 Pierson Dawna L 281-8576
4★Lindsley Frank
3752 Apartments
1★Bird Joseph 282-7172
2★Gascom T L 563-8709
3 Mc Cardle Danl 281-1469
4 Houtz
5 No Return
6 Abernathy Steph J 281-5417
7 Vacant
3770 Ortiz Theo E 280-9580
NORTH PARK WAY INTERSECTS

35

NIMITZ BLVD —FROM 4000 N HARBOR DR NORTHWEST THEN NORTH

ZIP CODE 92106
2777 Point Loma Manor apts 225-0922
1★Leak Oscar
2★Towne Brian
3★Kalish Abraham
4 Stauffer John 224-9314
5★Clark Raymond
6★Wheeler Lorie
7★Meo Geo
8★O'Brien Joy
9 Kasa Jean
10 Goddard E K
11★Lopez E
12★Golliver La Dawna
13★Harvey Mahamed
14★Johnson Willy
15★Cox Richard
16★Miller Richard
17★Shippee Bill
18★Good Dan
19 Vallejo Alfredo
20★Gubustein Robert
21★Overcash Steve
22★Alvarez Hector
23★Ellison Virgil 224-5840
24★Ashley Whitey
25★Borror Joseph
26★Pelak David
27★Sbaradella Paul
28★Londin Christine
29★Swandt Carl
30 Mc Lain Jerry L
31★Brundt David
32★Silverton Ronald
33 Weaver Lon
34★Kawata Eric
35★Hutchinson Thomas A
SHAFTER ST ENDS
OFFICE BUILDING
SUITES
A Ghio Charles C & Associates ins 223-7131
B Seaport Recruiting Group exec emp agcy 223-4761
C Enesco Inc

NIMITZ BLVD 1980

NIMITZ BLVD—Contd
D Gould Incorporated Electrical Products Group mfr electronic equip 225-9263
E Hertz Corp (Sls Ofc) sls ofc rent a car serv 223-5684
F American International-Foreign Frt Forwarders 223-5615
2821 Le Marquis Apartments
A★Swain Richard A
B★Jones Roy E
C★Evans Jim W 223-4152
D Standley Brian K 225-0111
E★Sargent Judy
F★Coleman Siggi 225-8746
G De Yenere Joseph 224-6633
2829 Apartments
H★Johnson Delores 222-8663
I Horan J Edwin 225-8128
J★Clinesmith Gary L 224-8615
K★Geer B David 223-1042
L Osmundson Margot Mrs 224-6752
M Polombo Margt
N Hay James L
O Vacant
2845 Centre West Professional Building
SUITES
A Albe John A dentist 223-8179
B Vacant
C Quest Research Corp eng research 225-1241
D Seaco Incorporated ocean technology 225-8631
F Lareau Richard J & Associates archts 222-0341
G Design Interiors & Imports int dec 222-3388
SCOTT ST ENDS
2901 Rodeway Inn Of America hotel 224-3655
Papst W D & Co restr & spirits 224-3655
Carey Limousine Chauffeur & Guide Service 225-9551
ROSECRANS ST INTERSECTS
3020★La Belle Bruce A 222-2409
3020½ No Return
3026 Klotzle Ken
3028 Kienzle Sandra
3030 Keen
3045★Debolt C M 222-8864
3046 Bradberry Esther G Mrs ◎ 222-1236
LOCUST ST INTERSECTS
3104 No Return
3105 Medeiros Francisco ◎ 222-9745
3106 Carpenter B 224-4506
3107a★Medevios Estella
3107b★Klumper John H
3109 Oliverra Maria P
3109½ Da Silva Marguarite Mrs 223-0406
3111 No Return
3112 Newell Cherie A
3117★Gamble Greg
3119 Yelli Ralph A 222-4420
3120 Delgado Herbert A ◎ 222-1888
3121 Russo Gail
3126★Dahl Donald A 223-9341
3128 Miller Alonzo 234-2620
3129 Rebelo A ◎ 223-3996
3130★Lataif Scott J
3132 No Return
3134 Wilkinson Wright
3136★Conley Rod 222-1346
3137 Cabral Michl 223-7617
3138 Davis Ruth Mrs
3139★Schwettman William
3140★Megnin David H 224-1174
3145★Outland Joe 222-4558
EVERGREEN ST INTERSECTS
LOWELL ST BEGINS
3240★Valin Frank ◎ 224-0443
3244 Jones M L ◎ 222-1492
3332 Vacant
CAPISTRANO ST INTERSECTS
CASTELAR ST INTERSECTS
3419 Lee Marvin C 224-9922
CATALINA BLVD INTERSECTS
OLIPHANT ST INTERSECTS
PLUM ST INTERSECTS
3615 Grabbit Louis P ◎ 223-3412
3625 Rodrigues Joao S 224-7655
3633 Wise Dennis ◎ 224-4923
3656 White Jack L ◎ 223-6751
CHATSWORTH BLVD INTERSECTS

323
ZIP CODE 92107
CHATSWORTH BLVD INTERSECTS
3706★Nelson C E Jr ◎ 225-0743
3714★Williams Robt D 224-8487
CENTRALOMA DR INTERSECTS
3774 Ohlin Kenneth G ◎ 222-8706
3789 Candido Antonio 224-2301
3792 Melo Norberto S 222-0919
BERNICE DR INTERSECTS
3795 No Return
TENNYSON ST INTERSECTS

331
NIPOMA PL —FROM 2950 NIPOMA ST WEST

ZIP CODE 92106
POINSETTIA DR INTERSECTS
3802 Amano Sam ◎ 223-0671
3803 Mitchell Joseph C ◎ 222-8149
3806 Montez Wm ◎ 223-8404
3809 Curcuru Beryl H piano instr 222-8708
3810 Ryan Owen T ◎ 222-8755
3815 Sanford Wm B ◎ 223-6272
3821 No Return
3823★Tessary Larry T 224-1007
3825★Burr Willma 223-5037
3827 Kenworthy Arth R ◎ 222-4956
3831★Orberg Robt E Jr 226-1241
3839 Apartments
1 Vacant
2 Romuar Rudy R
3 Hodgson Rich 224-7493
4 No Return
5 No Return
6★Siperstein Debbie 224-2361
7 Toporoski Danl M 223-4326

331
NIPOMA ST —FROM 2700 POINSETTIA DR NORTHWEST

ZIP CODE 92106
2708 Anderson Jan P ◎ 223-3581
2709 Dickinson Bill ◎ 224-6561
2712 Corbin James L 222-0193
2715 Imbrie S D ◎ 225-1167
2716★Sage John R 224-7803
2720 Alloway Zella M Mrs ◎ 223-0155
2721 King Cecil ◎ 224-5548
2724 Monson Lester A Jr ◎ 222-8625
2727 Christy Virginia L Mrs ◎ 222-0680
2728 Gruber Saml E ◎ 224-2390
2732 Gregson Mark ◎ 225-1981
2733 Baker Jack W ◎
2736 Graham Alex G ◎ 222-4263
2739 Gelb M John ◎ 222-4478
2740 Morrow Clarence L ◎ 223-8368
2745 Nissen A O ◎ 222-3782
2746★Migliori John G ◎ 222-5840
2751 Fisher Richd L ◎ 222-6664
2752 Sorben Robt
2757 Truckenmiller Dale H ◎ 223-0196
2758 Burns Wm T 223-1145
2763 Rosenthal Leon ◎ 223-0804
2764 Graves Delbert B ◎ 222-7941
2769 Graham Leon L ◎ 223-9762
2770 Altman Peter J ◎ 224-9890
2776 Peugh James A ◎ 224-4591
AMARYLLIS DR INTERSECTS
2803 Piel Charles 224-3044
2804 Kuck F F ◎
2810 Wood Glenn W Jr ◎ 222-2724
2811★Garcia Clifford K 224-9155
2816 Bray James
2817 Mac Donald James D ◎ 224-9753
2822 Corsello Thos W ◎ 222-0203
2823 Bryers John
2828 No Return
2829 Dietz James S 223-1563
2834 No Return
2835 Heldoorn James L ◎ 225-9274
2840 No Return
2841 Carroll Reed
2846 Williamson Bernard N 244-8688
2847 Smeal Glenn W ◎ 224-7283
2852 Davis Robt E ◎ 223-1736
2853 Sage Delbert J ◎ 224-0111
2861 Nelius Arnold F ◎ 223-7429
2875 Hom Marilyn
NIPOMA PL INTERSECTS
2911 Underhill H Sunya ◎ 223-1398
2917 Le Clare Charles F ◎
2920★Dixon Frank ◎ 222-1237
2923 Hammers Wm E ◎ 223-1498

667
NOAH WAY —FROM 4750 COBB DR NORTH

ZIP CODE 92117
5252 Gardner Mark S 276-4496
CRISP WAY INTERSECTS
5304 Davis Robt C ◎ 274-5592
5320 Rodriguez Edith E Mrs ◎ 273-3795
5327 Caudell Curtis
5336 Packard Harry B ◎ 274-1019
5350 Zornado Robt L ◎ 274-5894
5355 Whisper Jacob 275-0422
5375 Flores Arnold ◎ 276-7959
Flores Rosa M 272-4439
5404 Greene Richd O 274-6022
Greene Thomas 276-5559
5407 Dinsmore Wm O Jr ◎ 275-1389
5425 Strickling Francis L ◎ 273-1903
5426 Rippon Donald F 270-0176
5439 No Return
5448 Sorenson Carol L Mrs 275-1791
5455 Wilson Robt D ◎ 274-0140
5475 Erwin Robt E ◎ 276-0889
5476 Stone Morton ◎ 272-7342
5502 Volpe Mario ◎ 270-0413
5514★Acosta Ronnie 483-3588
5516 Kregness John R 276-6147
5522 Marshall Carroll W ◎ 273-8731
5525 Ledwith Ernest E ◎ 275-3689
5535★Szklennik Bruce W 272-8469
5544 Chrones Nick ◎ 275-3976
5545 Vacant
5555★Billingham Marilyn A 272-2143
5565 No Return
5575 Sparrevohn Holger 272-5018
5585 Chen Chiu-Shan ◎ 272-8609
5590 Cottrell Robt F ◎ 272-1243
5595 Vacant

259
NOBEL DR —FROM 8200 GENESEE AV WEST

ZIP CODE 92122
101 Vacant
102 Day Jeanette L ◎ 452-7385
103 Leonard Howard E 452-7157
104 Vacant
105 Cummings Charles J 457-2226
201 Vacant
202 Kay N
204 Frank Susie E
205 Chow Gerald A 455-7489
101 Sullivan Lynne A ◎ 457-2196
102 Vacant
103 Brown Jeffrey H ◎ 455-5468
104 Vacant
105 Wilson
201 O'Laughlin T W Jr
202 Lincoln Brent R
204 Fox Janetta
205 Vacant
101 Vacant
102 Bobroff Neil H 453-2588
103 Vacant
104 Cottingham Larry 457-3549
105 Gilbert Leonard
201 Vacant
202 Vacant
204 Grieshaber Sally
205 Vacant
REGENTS RD INTERSECTS
4085 Whispering Pines Apartments 455-9360
1 Ferguson M A 453-2247
2★Okuno Susan 455-6353
3 Mallonee Dennis 453-8986
4 Wilson H
5 Teintze Martin 453-0829
6 Sokoloff Roger L 453-8047
7★Bonne C
8 Pederson Karen
9★Pierce M
10★Karwacka H
11 Caldwell J
12 Phares J
13★Dye S
14★Kenny M
15★Eastman Mark
16 Behnke B
17 Jackson Tim 455-1367
18 Lynch Wm D 455-0795
19 Baslee Gilda J 452-9387
20 Mc Donald C
21★Allan P
22★Akin D
23 Lieberman Marc L 453-7898
24 Wojcik D
25 Claro M
26 Gilleran Caroline 452-0993
27★Paymard A
28 Stout Wm 453-5860
29 Cimolino Marc 452-1929
30 Rudolph James L 455-6377
31 Kirby Robin
32★Hozeska G
4089 Apartments
1 Jackson M Christine 453-1298
2★Poleno Jeff 457-2239
3 Turano M
4★Pohl Bruce 457-2916
5★Koke K
6★Millan J
7★Freeman Jos 453-3261
8★Broyles R
9 Dungca L
10 Peters C
11 Brown Gregory 453-7161
12★Smith Dale
13 Dixon M
14 Minet Gerald
15 Vacant
16a★Youngerman E
16★Brown Kathleen F
17 Stanely S L 455-0598
18 Vacant
19 Grassey Thos B 453-5214
20 Anderson Helen C 453-0194
21 Johansozzi Hydeh 453-7159
22 Freedman S
23★Murphy Wm J 455-6037
24 Lorincz
25★Erskine Lucile T Mrs 452-9935
26 Koughn Joseph 453-1307
27 Vacant

269
4149 La Jolla Pines Apartments 455-1051
1 Roberts Michl A 455-0562
2★Chartier Robt
3★Fukuda Yasushi 455-5617
4 Flower P J 455-7861
5★Craver Linda 452-8913
6★Cauble David 452-1966
7★Costatini Ottorino
8★Sloan Judy
9★Ramswick Renee
10 Nickdad A 453-3556
11★Becker Ronnie 455-1051
12★Nieder Mark 457-3824
13★Hastings Paul
14★Untiedt Brenda 452-5048
15 Vacant
16★Gillen Regina 453-1175
17 Chan Edmond 455-5474
18★Jones Jas
19 Pena M
20★Allen Donna 453-2813
21 Magnussen Nicki M 453-4283
22★Ward Curtis 452-8769
23 Ortmann Jon C 455-7967
24★Green Rich
25★Barnes Lawrence 457-4882
26 Russell Anthony 455-6229
27★Nichol Stewart 452-5647
28 Herbert James 453-8579
29★Jacobsen Earl D 457-4630
30 Fichman Ann L 455-0869
31★Terrell Lester 457-4649
32★Buckley Steve
33★Fox Alan D 457-3287
34★Miles George S 457-3287
35★Mortell James 457-2143
36 De Weile Jan R 453-8304
37★Cox Dale L 455-6462
38★Marsh Neville I 455-0576
39 Marshall Deanna L 455-0804
40 No Return
41★Shahdoost Mehrnaz 453-4036
42★Drivas Cindy 457-3615
43 Hogan Denise 453-4679
44★Gallegos Ike
4249 Torrey Heights Apartments condominiums 455-0240
1★Struss F
2★Perez Rolando L 455-9012
3 Falls Edw 453-5102
4★Segal J A 452-0645
5 Phillips T
6 Vacant
7★Anderson Nate W 452-8921
8★Abadinsky Joseph
9★Osborn Jos K 453-8476
10 Hammond Linda M 452-7576
11★Perry Chris A 453-4526
12★Maher Pam 453-1370
13★Hale Jack D 457-2816
14 Van Israel Paul 455-9369
15★Azizli Jalal 453-9242
16 Vacant
17 Andrews Robt K 455-9437
18 Vacant
19★Lynne Mark 457-4290
20★Nyholt Kerin G 452-1636
21★Lew Cynthia
21 Wallace J 452-7075
22 Young Edw M Jr 453-6418
23★Barajas Lawrence L 455-1267
24 Teitelbaum Geo 455-1267
25★Kozlowski David
26★Sharahi Khosrow K 457-2685
27★Prest Rick 455-1943
28 Vacant
29★Tohsaku Yasu-Hiko ◎ 452-1987
30 Hill Michl 452-0975
31★Hill James 457-4340
32 Al-Am Suleimana 455-1423
33★Tabug J 453-9279
34 Brant Walter D 452-1765
35★Rimard Cheryl
36★Shepherd Duncan S 452-7188
37 Zamzow Mary E 455-0914
38★Robbins John W 453-5373
39★Yoshida H
40★Gustavson Mary E 453-3646
41★Lee John
42★Murry Patrick
43 Huard Norman P 453-5716
44 Ackors Geo L 453-8482
45 Keleher Emmett R 453-9074

SHAFTER ST 1980

SEQUOIA ST—Contd
4075★Mc Manus B J ◎ 272-1311
4075a★Goldberg Jeffrey
4080 Cornell Gene M ◎ 273-1674
4083 Bischel Mary Mrs ◎ 273-5640
4086 Vasquez Janella 270-1281

217
SERBIAN PL —FROM 4300 EDISON ST NORTH

ZIP CODE 92117
3008★Hurst Wade C ◎
3012 Gerfin Bert M 276-0815
3016 Manicone N Kathleen Mrs ◎ 275-0492
3020 Hawley John R ◎ 276-2473
3024 Beck Frank J ◎ 276-3326
3028★Galbraith Jerry
3032 Schobert Joseph H 275-3995
3035★Roberts C
3036 Christenson S L 276-9439

189
SERI ST —FROM 4100 TOLOWA ST NORTHEAST

ZIP CODE 92117
4101 Hagnas Lloyd ◎ 270-3536
4102 Garing Wm H ◎ 274-4556
4110 Ternoey Henry R ◎
4118 Duenas Paula A ◎ 272-3908
4126 Sigler Gerald F 270-4286
4127★Donson Jim
4133★Haver Richd ◎ 275-0859
4134 Baker Donald H ◎ 276-4045
4141★Saycuie T ◎
4142 No Return
4147 No Return
Stevens Ruth Mrs
4150★Sodano Alex V ◎ 275-4190
4157 Dunaway Wm G ◎ 273-2364
4158 Erickson John H ◎ 273-0837
4166★Mullins Sandra
4167★Adams John C ◎ 270-4041
4174 Smith Nancie A ◎ 270-8905
4179 Serritella Matthew C ◎ 270-5612
4182 Masse Herve H ◎ 273-3672
4189 Hargis G Richd ◎ 275-0493
4190 Roe Edw O Jr 272-8318
4197 Ramsey S M ◎
4198 Tessereau Donald G ◎ 275-0607
BERTHA ST INTERSECTS
4205★Woolsey Justin E 274-1045
4215 Hoffman Emil F ◎ 273-1365
4227 Kallweit Vincent H ◎ 273-7616
4228 Taylor David M ◎ 272-9849
4236 Wortman Clarice M Mrs ◎
4237 Linger Tennuce E ◎ 483-0875

148
SERRANO PL —FROM 4800 ARAGON DR EAST

ZIP CODE 92115
6573 Rametta Anthony ◎
6575 Cuvala Geo ◎ 582-6985
6580 Craig Mary W ◎ 582-2994

31
SEVILLE ST —FROM 3000 BLK ROSECRANS ST NORTHWEST

ZIP CODE 92110
3009★Norman C M 223-7735
3020 Lipsey Theo K 224-4691
3023 Lohre Clara O Mrs ◎ 224-5713
LOCUST ST INTERSECTS
3108 Correia John E ◎
3113 No Return
3118 Haas Victoria M Mrs ◎ 222-3237
3121 Mc Farland Robt L ◎ 223-7585
3128 Withers Construction Co bldg contr 224-0512
Withers Edw A ◎ 224-4426
3137 Griffith Steve ◎
3138 Ferrara Maurice D ◎ 224-1811
3144★Omundson John ◎ 223-9787
3145 Hobson Peter 222-7369
3152 Hickman Wesley W ◎ 222-0840
3160 Meserve Saml C ◎ 223-6085
EVERGREEN ST INTERSECTS

31
SHADOWLAWN ST —FROM 3030 LOCUST ST NORTHWEST

ZIP CODE 92110
3110★Marshall David M 222-1043
3111 Briggs Evelyn H Mrs ◎ 223-7220
3120 Kovacevich Dinko A ◎ 224-0194
3121 Merkel Herbert A ◎ 223-7776
3130 Burr Mary N Mrs ◎ 222-3083
3136 Houser Olive M Mrs ◎ 223-3680
3141 Weisbrod Howard L 224-7325
N EVERGREEN ST INTERSECTS

3204 Hansen Cheryl A 222-3686
3210 Johnson Margarita L Mrs ◎ 222-1698
3224★Finnigan Danl W ◎ 222-8934
3234 Silva Manuel L ◎ 224-0268

337
SHADYGLADE LA —FROM 154 CORALWOOD DR NORTHEAST

ZIP CODE 92114
7602 Perez Jesus M 479-9028
7614 Seiveno James R ◎ 479-5049
7626★Bogar Clifford
7627 Vasquez Robt C ◎ 479-0293
7638 Palmer Jack E ◎
7641 Sterling Sidney J ◎ 479-3854
7650 Ocampo Ernesto G
7653 Jordan Bradford C ◎ 479-7079
7662 Miller Bobby G ◎ 475-3763
7671 Brazley Dorothy L Mrs
7674 Gurtiza Domingo C ◎ 475-6035
7683 Foreman Odis G ◎
7686 Smith W T ◎ 475-1510
7693 Bloomquist Gary W ◎
7696★Faut Mark E 267-2245
7701 Rodgers Frank Jr ◎ 479-6206
7702 Delia Louis R ◎
7711 Chavez Thom T ◎ 475-2812
7712 Elder Thos E ◎ 479-6977
7722 Vacant
7723 Benavente Jesus S ◎
7732 Wedgewood Arth J ◎
7733 No Return
7742 Fleming Charles O 475-0520
7743 Mc Morris Linfield ◎ 475-2436
7752 No Return
7753 Krueger Joseph L ◎ 475-9146
7762 No Return
7767 Nevarez Rosa Mrs ◎
7772 Mc Cloud Walter ◎
7779 Roiz Henry ◎ 479-3633
7782 Evans Wm ◎ 475-5276
7791 No Return
7792 Hudspeth Willie M Mrs ◎ 475-0283
ARROWWOOD DR INTERSECTS
S MEADOWBROOK DR INTERSECTS

237
SHADY OAK RD —FROM 396 NORTHGATE ST SOUTH

ZIP CODE 92114

568
SHADY SANDS RD —FROM 6700 WINDING CREEK DR NORTH

ZIP CODE 92120
8046★Adair Michael
8054 Davis Robt H Jr ◎ 286-7777
8062 Shapiro Alan J ◎ 286-9489
8070 Pokrivnak Michl J ◎ 287-0820
8078 Lance Dennis R ◎ 286-0287
8079 Streeter Floyd 287-3714
8087 Morgan Marilyn J ◎ 583-2703

119
SHAFTER ST —FROM 2800 UPSHUR ST EAST

ZIP CODE 92106
1055 Magatek Corporation (Genl Ofcs) computer consultants 224-2721
1067 Momoi Co Inc (fishing nets sls) 224-2875
1069 Momoi Co Inc fishing nets importer-exporter 224-2875
1071 Wyatt Frank K Marine Surveyor Inc marine surveyor 223-8167
CANON ST INTERSECTS
1122 Ballas Elton M Sail Makers 223-3925
ADDISON ST BEGINS
SHELTER ISLAND DR INTERSECTS
1228 Crippen Marine Canvas (Annex)
1229 Kettenburg Marine (Electronic Equip & Repr Dept) 224-8211
1230 Crippen Marine Canvas boat cover mkrs 224-2052
1231 Kettenburg Marine (Eng Dept)
CARLETON ST BEGINS

335
1618★Swank Lon F 223-0534
1620 Sweet David B 224-2169
1622 Da Rosa Filomena Mrs 224-0087
KEATS ST BEGINS
NIMITZ BLVD INTERSECTS

84
SHAMROCK ST —FROM 1 SOUTH OF 4100 SYCAMORE DR NORTH

ZIP CODE 92105
2303 Mhoon Wm W ◎ 281-4457
2309 Nash Harold
2310 Vollmer Elsie E Mrs ◎
2314 Williams Leorene L Mrs ◎ 281-9845
2315 Hatch Russell F 282-7068
2320★Williams Rosanne Mrs
2323 Staedeli Jerry H ◎ 281-9644
2324 Stauffer Paul W ◎ 281-3871
2331 No Return
2332 Delgadillo Maria E Mrs
2333 No Return
2335 Hooyen Peter J ◎ 283-3397
2342 Collins Fred 280-1349
2345 Zygar Edw ◎
2348 Van Kampen Eva Mrs ◎ 281-8620
2351 Roper Robt H ◎ 281-6075
2357 Richardson Phyllis M Mrs ◎ 284-6892
2403 Casner Juanita Mrs
2404 Hanks Geo E ◎ 282-5901
2407★Osborne Paul E 284-8623
2409 No Return
2410 Cervenka Joseph
2413★Stump John W ◎
2415★Retz Christi Ann 563-8825
2416 Cruz Carlos F ◎
2422 Bishop Maggie S Mrs 282-8343
2424 Bishop Oscar M ◎ 283-8146
2428 Roberts Mary ◎
2434 Vacant
2436 Vacant
SYCAMORE DR INTERSECTS

176
SHANE PL —FROM 6195 LA DORNA DR WEST

ZIP CODE 92115
6401 Welch Morris M ◎ 287-1700
6404 Brown Stanley C ◎ 286-9657
6409 Huth Robt D ◎ 583-8723
6417 Lutz Tomme
6420 Furlow Bernice Mrs ◎ 582-8916
6425 Monson Harold R ◎ 583-1680
6433 Pushs Don ◎
6440★Morebello Saml C
6441 Larsen Hazel R Mrs ◎ 582-3058
6449 Ricks Robert B ◎
6457★Cline Steven
6460 Nava Bertha D Mrs ◎

148
SHANNON AV —FROM 4800 ROLAND BLVD EAST

ZIP CODE 92115
6600 Burke Florence Mrs ◎
6606 Walsh Paul J ◎ 582-8454
6610 Frazier James R ◎
6620 Simmons Warren A ◎ 286-0756
6630 Chamberlain Edgar J ◎ 582-1665
6633 Pearling Wm S ◎ 582-2173
6640★Reagan Ralph L 286-8625
6650 Fink Freada M Mrs ◎ 582-5714
6660 Foltz Charles J ◎ 582-1902
6670 Karpinsky Nellie Mrs ◎ 583-1793
6675 Nobles Joseph R ◎ 287-7452
67TH ST INTERSECTS
6701 Lay Marjorie J ◎ 469-9673
6710 Kok Philip J Rev ◎ 460-4466
6712 Christian's Servicemen's Center church orgn 464-9648
Rottenberg David B

146
SHARRON PL —FROM 6485 TROJAN AV SOUTH

ZIP CODE 92115
VALE WAY INTERSECTS
4216★Novidor Sonny 582-1461
4224 Jungblut John R ◎ 582-0916
4232★Osuna Dan
4242 Province Betty J Mrs ◎ 582-6227

675
SHASTA ST —FROM 3750 CROWN POINT DR NORTH

ZIP CODE 92109
3754 Apartments
A Bonnette Paul C 273-2406
B Tuininga L 274-4518
C Gillman Barney E 272-2659
D D Leasure E M 273-7755
E Roberts
F Saenz Ronald 270-4499
G Bonini Jean
H Jaroscak Mary M 237-4239
3776 Carroll Lenore B Mrs ◎ 274-2107
3778 Bay View Apartments
1★Schectman Craig B 270-9935
2★Harrison Jan L 272-4253
3★Cushionbury Kathleen M 270-0520
4★Robbins Barry
5★Olson Clifford
6 Recreation U S A physical educ programs
6 Harkens Kevin H
LA PLAYA AV INTERSECTS
3803★Evens Craig
3804★Wyman Antonia R Mrs ◎
3809 Dempsey Rhonda
3811 Clauson Jefferey
3813 Alexander Janie
3813½ Martin Glenn A
3815 Ferguson K J
3816 Hanika W D ◎ 273-3638
Young C 273-3878
3817 Apartments
A★Grode Michl 483-2580
B★Friedrich Lori
C Cambell C Janet
D Picard David E 272-5933
STREET CONTINUED
3818 Wagman Andrea
3819 Andrews Ray E ◎ 276-2675
3820 Vacant
3822★Hazleton Gary 270-1852
3825 Van Zandt Bill 270-2008
3826 De Santis Lisa 274-1361
3826½★Bowers Laurie J
3827 Moreau Edward F 270-5918
3836 Tanner John G ◎ 272-3344
3848★Cote Christian J 274-7919
3849 Shasta Daisy Condominiums
1 Bossert Evelyn M 272-9970
2 Vacant
3 Prochaska
4★Davis R J ◎
5★Nelson R H
6 Gibbons Perie 272-8629
7 Popa Arrie E Mrs ◎ 273-3064
8 Hanks K W 483-1416
9 Kaplan
10★Delsen L C ◎ 270-8634
11 Harrison H 270-5650
12 Burnett Robt T 272-7849
13 Arthur Lyna J Mrs 270-1627
14 Dean Winston ◎ 272-6285
15★Harnden Stephen 272-2512
16 Felix Geo W ◎ 483-3849
3851 Tunic Ante 275-0043
3863 Vacant
3869 Van Der Veur Ruby I Mrs ◎ 273-3483
3877 Friends Of Handicapped Children social serv agcy 273-2273
3880 Tuscan East apts
A1★Jumet R
A2 Best Bud
A2 Bestenlehner I J Jr 273-3230
A3★Walker C
A4★Gray J
A5★Vickers D
A6★Halverstadt Jess 270-1996
A7★Altorfer Judy A
A8 May E
B1★Pascarella T
B2 Jenkins Lillian L 272-6063
B3 Spitzbart Gail B ◎ 483-3481
B4 Evanshen D 270-5426
B5★Bell C
B6 Schmidt S
B7 Wolfe Leonard B Jr
B8★Forrest B
B9 Brambier Harry H 483-3116
B10 Herbst Catherine C Mrs 272-4283
B11 Pulver Reed A 274-4245
B12★Nassar James G Jr 272-9330
B13★Tse F
B14★Pratt T
B15 Haddock N 272-5753
B16★Person C
B17 Brosniak E 270-9477
B18 Drury Pamela R 273-4029
B19★Gregg J
B20★Rohdes P
B21★Silva C
B22★Dems E
B23★Kroell P
B24★Mayberry E
B25★Oyster D
B26★Iammarino M
B27 Nelson Margretha M 270-9343
B28 Lawrence P 270-9283
C1★Lange C
C2★Floyd B
C3★Klein C
C4★Keenam M
ROOSEVELT AV INTERSECTS
3922 Cummings Wilford A Jr ◎ 276-3063
3977 Friends Of Handicapped Children (Care Village) 272-1841
FORTUNA AV INTERSECTS
4003 Chamberlain Floyd J ◎ 273-8884
4009 Celata Eug ◎ 273-1138
4011 Gaitan Danl 483-1747
4014 Ryan Agnes R Mrs ◎ 274-2775
4015 Daddis Richd A 270-7241
4015½ Brown James L ◎ 274-3567
4016★Payne Joceoyn F
4016½★Laun Anne
4017★Johnson Jayne L

TP	Adjoining	Source
✓	✓	R. L. Polk & Co.

HARBOR DR N 1975

N HARBOR DR—Contd
U S N Communications Sta 235-3376
U S N Dist Management Asst Ofc 235-3606
U S N 11th Naval Dist Commandant & N B Commander 235-3511
U S N Regional Finance Center 235-3174
U S N Sup Center 235-3103
W BROADWAY ST ENDS
1009 Berne's Hofbrau Inc tavern 234-1964
1011 International Longshoremn & Whsemn's Local 29 232-5772
1050 Shore Snack Bar 234-4111
Glorietta Boutique gift shop 234-4111
San Diego Harbor Excursions 234-4111
1140 B Street Pier Office Building
Rooms
2 Shreve & Hays Inc custom hse brokers 232-6547
3 Loudon James & Co frt forwarders 234-2481
3 Thomas H B & Co frt forwarders 234-2481
3a San Diego Terminal (Whse)
4 Sterling Geo C Co mfrs rep paints 234-7796
5 Rippo John H ship broker 296-1963
6 Dunn John H Co food brokers 234-6578
7 Vacant
8 Vacant
STREET CONTINUED
1306 Maritime Museum Assn Of San Diego 239-0625
Star Of India Maritime Museum 239-0625
1355 Casa Del Ray Coiffures 239-3373
Royal Inns Of America At The Wharf hotel 232-3861
At The Wharf Hair Design For Men barber 232-7649
Bottle Hatch Liquor 234-8369
Shell World ocean curios 236-1471
Purple Jester The coctail lounge
Jolly King Restaurant 232-3861
Shook Ron Photography coml photog 234-5611
Ramsey's Gift Shop 234-8601
Rivera's Al At The Embarcadero clo-mens 235-4422
Art Bank The art gallery 232-0777
Johnson's World Travel 236-0826
Puff'n Stuff cigars cigarettes & tob 234-7071
Sweater Box The womens clo 234-1314
1360 Anthony's Fish Grotto restr 232-5103
Anthony's Star Of The Sea Room cocktails 232-7408
W ASH ST ENDS
1820 Embarcadero Marine whol oil distr 233-6884
W GRAPE ST ENDS
2101 Lubach's Restaurant 232-5129
2201 Solar Aircraft (Eng & Research Center & Sls)

906

W LAUREL ST ENDS
2701 Teledyne-Ryan Aeronautical 291-7311
2710 US Dept Of Trans Coast Guard Air Sta 299-9490
US Dept-Trans Coast Guard Reserve Training Armory 296-2653
US Dept Of Trans Coast Guard seaman licensing-certification 234-8067
Dept Of Trans Coast Guard Marine Safety Ofcr 299-7033
2930 Genl Dynamics Harbor Dr Fclty & Marine Tech Cntr (convair div)
2980 Fluid Systems Div U O P reverse osmosis modules & sys 297-4341
3225 Pacific Southwest Airlines 297-4781
P S A Employees Federal Credit Union 297-3816
STILLWATER RD BEGINS
3380 Lockheed Missiles & Space Co Ocean Laboratory oceanography 298-8245
Lockheed Aircraft Services Co 298-8245
AIRWAY BEGINS
3665 San Diego International Air Port Lindbergh Field 235-7381
Ace Auto Park 291-0247
Air California airline 235-7301
Airport Barber Shop 295-0330
Hughes Airwest airlines 235-7345
American Airlines Inc 232-4501
Sun Aire Lines 291-3620
Imperial Airlines 235-7371
Avis Rent-A-Car System 297-2921
Bar Chica cocktail lounge 235-7644
Budget Rent-A-Car 297-3318
Cabrillo Court restr 235-7644
Catalina-Vegas Airlines 235-7311
Delta Airlines 239-3431
Southern Calif First Natl Bk (Airport Ofc) 294-4340
Hertz Corp The 297-4921
Host International Gift Shop 235-7644
Host International concessionaire 235-7644
Tele-Trip Co Inc travel ins 295-1501
National Airlines Inc 235-7666
National Car Rentals 297-1828
Pacific Southwest Airlines Inc 298-4611
Port Of San Diego (Lindbergh Field) 291-3900
San Salvador The cocktail lounge 235-7644
Swift Air Service charter serv 235-7311
Travelers Aid Society & Airport Paging orgn-welfare 235-7361
United Air Lines 235-5600
Western Airlines Inc 235-5353
3901 Spanish Landing park
ZIP CODE 92106
4077 City Pumping Sta No 2
4800 USn Fleet Anti Submarine Warfare Training Center 225-4011
US Navy Fleet Training Group 225-4113
U S Navy Training Command Pacific Fleet 225-3401
USn Fleet Combat Sys Training Unit Pac 225-7252
Dept Of Navy (Fleet Intelligence Trng Cntr Pac 225-3326
4823 Standard Stations Inc 223-9560
4855 Jolly King Restaurants genl ofcs 224-8201
Crown Supply Co hotel & restr sup 224-8201
Lost Knight Inc cocktail lounge oprs 224-8201
Regency Inc adv & pub relations 224-8201
Royal Inns Of America Inc genl ofcs 224-8201
4871 Sambo's Restaurant restr 222-2637
4875 Executive Men's Fashions tailor 224-0132
Royal Inn Of Point Loma motel 224-3621
★Brewer Ronald 224-3621
Sand N Sea liquors ret 223-7991
Green Don Hair Fashions 222-0116
4904 San Diego Commercial Marina boat landing 224-2475
4960 Harbor Boat & Yacht Co boat bldrs repr 223-3133
4975 Westy's Point Loma lbr-ret 223-7111
5005 Posada Inn Of Point Loma 224-3254
5043 Chinese Pavilion restr 224-3568
5055a Western Fishboat Owners Assn organization 224-2475
5055b Ralston Purina Co Van Camp Sea Food Division 224-3258
5055c Apollo Fisheries Serv Inc mgmnt consultants 222-1009
Tuna Ventures fish brokerage 222-0318
5055d Edo Corp electronic equip repr 222-7417
5055e Cavell Realty 223-3654
5055f Scull Wm R realtor 224-2419
Military Insurance Service auto ins 224-3337
5055g Point Pacific Marine Ins agts 222-2255
Marine Communications Serv Co sls rep 223-9889
5055h Southwest Marine Architects & Engineering Inc 224-3471
5055i Delaney Pauline E real est 224-2455
5055j Fisherman's Union Local 33 I L W U labor orgn 223-0772

335

SCOTT ST INTERSECTS
5102 Point Loma Travelodge motel 223-8171
Kindle Le Roy V 223-8171
5104 Harbor Yacht Sales yachts sls
Sun Harbor Marina boat moorage 222-1183
Dunham John
Melone Al Custom Covers uphol 222-2694
Melone Albert L
5135 Office Bldg
Suites
A Accent Studios coml artist 222-0386
D Haltun Sports Tours travel bur 222-0401
E Baxter Virginia real est 224-2667
E Hardison Pauline real est 224-2667
E Tate Betty real est 223-9916
E Willard Alene real est 222-0285
F Accent Studio (Stge)
G Vacant
STREET CONTINUED
5145 Snug Harbor Apartments
★Andre Hilda B Mrs 222-0861
5147★Sanchez Carol Mrs
5147½★Williams Billy
5149★Finch Beth Mrs
5149½★Harpin Paul
5150 Tarantino's John Restaurant 222-0010
ROSECRANS ST INTERSECTS

904

HARBOR LA —FROM FT OF PACIFIC HWY NORTHWEST ALONG WATERFRONT

ZIP CODE 92101
535 Chesapeake Fish Co whol 238-0526
545 Camillo J J Brokerage Co seafood 238-1963
Deep Rock Abalone Co abalone processors 238-1963
J J's Jollyboat gift shop 238-0468
555 Anthony's Seafood Mart fish mkt 232-2933
565 People's Fish Co wholesale & ret 239-8158
585 Fish Factory restr 232-0151
San Diego Fish Co Inc seafood distr & processors 232-2095
Ocean Floor Products Inc fish & seafood whol 235-6956

904

HARBOR ST E —FROM 700 W MARKET ST SOUTHEAST

ZIP CODE 92101
525 San Diego Rowing Club athletic club 232-1898
600 Exportadora De Sal salt exporters 239-0131
Hutchins C L Co Inc custom brokers & ins 232-7481
705 Pan-Pacific Seafoods Inc distr 239-3021
8TH AV INTERSECTS

906

HARBOR ISLAND DR —FROM SOUTH END OF HARBOR ISLAND NORTH

ZIP CODE 92101
HARBOR DR INTERSECTS
880 Reuben E Lee Sea Food Restaurant 291-1880
Reuben E Lee Sternwheeler Restaurant 291-1974
Reuben's Restaurant 291-5030
1380 Butterfield Stage Saloon cocktail lounge 291-2900
Fashion Quarter Sheraton Hotel clo 298-3331
Friend Of Harbor Island No 3 gifts-ret 291-3600
Laguna Originals Of San Diego art gallery 298-2220
La Hacienda De Portola restr 297-4355
Sheraton Ballroom dance hall
Sundowner Lounge cocktail lounge 291-2900
Sheraton Harbor Island Hotel 291-2900
Fuller Peter P
Fun Desk The (Calif Leisure Consultants) tourist & guest serv 299-7730
Harbor Island Hairstyling beauty shop 291-0999
1590 Harbor Lounge cocktail lounge 291-6400
El Torito Mexican Restaurant 299-3464
Friend Of Harbor Island No 1 gifts 291-6400
Galleon Grille The restr 291-6400
Rob Al's Of Harbor Island beauty shop 291-6400
Sheraton Inn Airport hotel 291-6400
1880 Cap'n Dan's Whaler cocktail lounge 297-1673
Marina Cortez Yacht Sls 298-0584
Dorsee Jack Sailboats Inc 291-6313
Kettenburg Marine (Br) boat sups 297-4745
Love's Wood Pit Barbecue restr 297-1673
Marina Cortez boat slip rental 291-5985
Dattilo Vincent G
San Diego Sailing Club & School club-yacht 291-6313
Crow's Nest Deli delicatessen 298-7503
Cortez Fuel Dock boat fuel sls
1960 Cabrillo Lounge cocktail 291-6700
Friend Of Harbor Island No 2 gifts 291-6700
Mediterranean Lounge cocktail 291-6700
Raphael's Restaurant 291-6700
Top Of The Arc cocktail lounge 291-6700
Travelodge At Harbor Island hotel 291-6700
Lawson Rick
2040 Arco Marine Fuel Dock 291-6443
Boat House The restr & cocktails 291-8010
Galley The restr 291-8013
Harbor Island Marina piers & docks 291-6440
Johnson & Joseph Co (Br) marine hdw clo & gifts 295-3705
Marina Club Lounge clubs-social
Ship's Locker The liquors 291-8015
Hamburger House The restr 239-1129
Office Building
SUITES
101 Sea M Corp tunaboat management 299-0051
102 Harbor Island Sailing Academy Inc school & club 291-9568
102a Uniflite Marine Sales & Electronics boats & electronic equip sls 297-3735
104 Vacant
114 American Leisure Craft Cruising Club boat rentals 295-5900
115 Vacant
201 American Tuna Sls Assn business men's org 291-1573
202 Underwriters Service Inc genl ins agcy 299-7720
203 Zapata Ocean Resources tuna boat management 299-6040
STREET CONTINUED
2150 Ham's Tom Lighthouse restr 291-9110
Lighthouse Gift Shop 299-1840

39

HARBOR VIEW DR —FROM 3100 TALBOT ST SOUTHWEST

ZIP CODE 92106
909 Perry Frank M ◎ 223-8574
HARBOR VIEW PL INTERSECTS
920 Hansen Clifford W ◎ 222-8408
921 Toothaker James C Hon ◎ 223-7523
925 Bucher Mildred G Mrs ◎ 223-8688
936 Moran C Anthony ◎ 222-7436
941 Wagstaff David ◎
945★Hunt John ◎
947 Vacant
950 Hanke Hal G ◎ 224-4707
954 Under Constn
955 Hartley Yolande H Mrs ◎ 222-8343
958 Kuerbis Lawrence Jr
959 Vacant
960 Dameson Louis G Jr ◎ 222-5125
965 Conner Paul ◎ 223-8660
975 Shumaker Thos A Jr 225-0346
979 Green Ina M Mrs ◎ 222-3013
HARBOR VIEW PL INTERSECTS
3210 Reuter Frances Mrs
RUNNYMEADE LA INTERSECTS
3221 Harding J C Almy ◎ 222-8152
3229 Benedict E E 222-2203
3235 Brown Gilbert L Jr ◎ 224-7678
3243 Wheyland Morgan C ◎ 224-1130
MARTINEZ ST BEGINS
3290 Fry Miles 223-3731
GOLDEN PARK AV INTERSECTS
3308 Dale Geo P ◎ 223-3094
3311★Collingwood L L ◎ 223-7944
3316 Caponi A Phillip ◎
3324 Heckman Lucy E Mrs ◎ 223-7570
3328 Ryan Constance Mrs ◎ 223-3404
3331★Plag John A 224-2363
3333 Crossland W W ◎ 223-3259
3339★Dover Harold G
3340 Romani Vito J ◎ 223-1711
3343 Jackson Bruce B ◎ 222-5956
3353★Mc Kesson Charles B ◎ 222-1594
3360 Bowman Robt W ◎ 222-8606
3363 Reppert Mary E Mrs ◎ 223-7068

JARVIS ST 1975

JAMACHA RD—Contd
8245 Ruhnow Holly C ◎ 460-7972
8254★Jacquez Carmen 462-3681
8255 Martin James R ◎ 469-5456
8304 Jefferson Alva Mrs
8305 Vacant
8316 Valenzuela Luz Mrs ◎ 469-4506
8317 Junkin Austin G ◎
8328 Sexton Kenneth A ◎ 462-1848
8331 Morrison Maurice J 462-0898
8340 Morris James L ◎ 465-1944
8352 Koester Muriel J Mrs ◎ 465-0100
CAR ST BEGINS
8450 Kinney Shoes 464-9015
CARDIFF ST INTERSECTS
8518 Jackson's Al Texaco Service 469-9620

377
JAMAICA CT —FROM 3231 OCEAN FRONT WALK EAST

ZIP CODE 92108
709★Mekaelian J 488-4009
711 Wood Gary 488-3325
716 Vacant
718 Brandalise Gregg 488-6934
718½ O'Keefe Jerry 488-9007
720★Schut Marie E 488-4717
722 Grenci Robt T 488-4271
723 No Return
723½★Moran James F 488-7386
724★Nodecker Myron J 488-4166
725★Carter David
727 Vacant
728 Vacant
728½ Hughes Harry R 488-9531
729★Cole Christopher
732★Gustad James 488-1785
732½★Fitzsimmons Barry 488-6606
733★Anderson Dennis
734 Farrah Adene C Mrs 488-6283
734½★Ames Gary
735 Cannon Bert 488-3728
735½ Holloway Brook D Mrs 488-4583
736 Bergstrom Frank 488-3725
736½★Rosier Sue
737 Mc Daniels K A
737½★Trotman Ann M
738★Eccles Clifford
738½★Pettigrew Ted R 488-6475
740★Levine Neil
740½★Byers Dawn E 488-0168
741★Alkire Steven V 488-4705
742 Hite Charles C 488-1986
744 Pallett D L 488-7439
745 Di Maio Christopher ◎ 488-0626
747★Bernstein Theo A 488-2758
777 Apartments
A Vacant
B★Columbo J 488-3929
C★Bremecke Steve 488-5952
D★Phelps Barbara 488-7807
E Vacant
MISSION BLVD INTERSECTS
802★Cooper Dan D 488-3649
802½★Thompson Vern
803 Beach & Bay Apartments
★Shapiro David
804★Barry Susan
805★Anthony Rusanne 488-8817
806★Nanzetta Gayle L
807 Peterson Mabel Mrs 488-1889
808 Vacant
809★Ingels Jan 488-4221
809½★Rochester John
810 Vacant
811 Burns Evelyn L Mrs ◎ 488-8166
813 Ames Don R 488-5549
813½ Nicholson Jack 488-7206
814 Vacant
815 Otter Richd A 488-1129
816 Fix Edwin J ◎ 488-7996
817★Farber Michl
818★Park Don
819 Stutz Dorothy K Mrs ◎ 488-0962
821 Meyer Laurence J 488-9779
824 Starr Norman R 488-2006
825 Cohen Richd A 488-8161
826 Vacant
828★O'Brien Teresa
829★Fisher Laurie
829½★Rode L
831 Vacant
833 Murphy Michl E 488-6216
834 Vacant
Rear★Minteer R J
835★Quartilho Tony 488-2302
837 Weaver Van G Jr 488-4448
839 Vacant
841 Gibson Estelle G Mrs 488-8495
843★Stevens Robin 488-8816
845 Vacant
847★Connors Anne P 488-2224

33
JAMES ST —FROM 2900 ROSECRANS ST NORTHWEST

ZIP CODE 92106
3008 Cardoza J C ◎ 223-3789
3021 Mitchell King J ◎
3022 Vacant
3029 Lindner Mary J ◎ 224-0330
3030 Duplessie Windom S ◎
3036 Mattos John L ◎ 223-0762
3045 Malcolm Alice R Mrs ◎ 223-8981
3046 Sears Geo M ◎ 222-8503
LOCUST ST INTERSECTS
3112 Jesse Anthony M ◎
3117 Harris Ruth C Mrs ◎
3120 Calvert Vernice S ◎
3128★Chapman Thos L ◎
3136 Martinsen Louis ◎ 223-3240
3137 Cota Elena Mrs ◎ 222-8758
3145 Macy Alfonso ◎ 224-5169
3146 Bradley Helen L Mrs ◎ 224-9294
EVERGREEN ST INTERSECTS
3211 Nelson Clair A ◎ 223-6412
3212 Butler L Roy Jr ◎ 223-3045
3223 Kent Wm R ◎ 224-1397

31
CHATSWORTH BLVD INTERSECTS
3707 Mac Lean Bernard ◎ 222-7720
3711 Bruegger Esther D Mrs
3712 Williams Marion G ◎ 223-7608
3717 Llewellyn Gershon A ◎ 224-1432
3720 Stephenson Robt E ◎ 223-7567
3723 Norton Jean Mrs 224-1622
3729 Ungehajer Walter A ◎ 223-0908
3732★Brown Alec ◎
3735 No Return
3740 Winters Grace I Mrs ◎ 222-0052
3741 Treser Horace H ◎ 222-3070
3746 Eubanks Linda L Mrs ◎ 224-4408
3747 Baxter Dorothy N Mrs ◎ 222-0702
3752 Wallman W R 223-7564
3753 Rehm Gilbert F ◎ 222-0232
3758★Reynolds Dorothy Mrs ◎ 223-8432
3759 Conway Hugh F ◎ 222-1825
3764 Stump Ethel M Mrs ◎
3765 Kerley Victor ◎
3771★Adams Allard H ◎ 225-0214
POINSETTIA DR INTERSECTS

567
JAMESTOWN CT —FROM 1 WEST OF 5100 JAMESTOWN RD EAST

ZIP CODE 92117
4505 Anderson Rex J ◎ 274-7079
4506 Scales C Don ◎ 276-8136
4515 Trainor Donald T ◎ 273-2261
4516 Smith Melvin R ◎ 272-6754

567
JAMESTOWN RD —FROM 5200 CONSTITUTION RD WEST THEN EAST

ZIP CODE 92117
5111 Ford Melvin E ◎ 274-0474
5121 Iodice Pasquale J ◎ 274-3165
REBEL RD INTERSECTS
5131 Calica Alex ◎ 275-1995
5141 Watson Wm ◎
5151 Crosier Jonathan L
5161 Bolas Josephine Mrs ◎
MILLWOOD RD INTERSECTS
5201 Palenske R A ◎ 273-6908
5202 Hensley Otis W Jr 273-7448
5210 Vacant
5217 Wilkins Elroy W ◎ 276-3349
5220 Moffett Leonard M ◎
5230 Bruno John ◎
5231 Power Bernice Mrs ◎ 274-6496
5240 Maeda Hiroshi 273-4749
5241 Chan Danl F ◎
5250 Vacant
JAMESTOWN CT BEGINS
5251 Phillips Hillard R ◎
5260 Clayton Thos D ◎ 272-3301
5261 Newton Lynn E ◎
5270 Trombley Danl J ◎ 274-5867
5271 Vacant
5280★Joas Ronald J ◎ 270-1734
5281 Pickle John W ◎ 274-2751
5291 Laurio Robt A ◎
JAMESTOWN WAY INTERSECTS
5301 Burdue Marion R ◎ 274-1589
5302 Widman Wm T ◎ 274-0736
5309 Dougher Donald J ◎ 272-5395
5312 Shepherd Donald K ◎ 273-4543
5317★Beanmon Mary Mrs ◎ 272-8487
5322★Behrend Konstantin 272-7977
5332 Nowak Edmund R ◎ 274-5760
5340 Rueckert Vera M ◎ 272-5108

567
JAMESTOWN WAY —FROM 1 WEST OF 5300 JAMESTOWN RD EAST

ZIP CODE 92117
4501 Mc Intyre Floyd B ◎ 273-7816
4510 Zimmerman Thos G ◎ 274-3609
4511 Overfield Kenneth W ◎ 273-4446
4520 Murphy Warren N ◎ 274-5856
4521 Lawler Edw J ◎ 273-2359
4530 Piccirelli Terry D ◎ 273-9727
4531 Olive Walter A ◎
4540 Sievers Charles F Jr ◎

54
JAMUL ST —FROM 4148 FRANKLIN AV SOUTH

ZIP CODE 92113
4110 Minor Joseph
4111 Hawkins Israel ◎ 264-0554
4114 Martinez Antonio P ◎ 264-3955
4117 Cherry Manuel ◎ 262-0458
4125 Thomas Mamie Mrs ◎ 263-1559
4132 No Return
4133 Hendrix Virginia Mrs ◎ 262-7176
4134 Petty Bertha Mrs 262-8059
4141 No Return
4149 Vacant
4153 Lagrone Priscilla Mrs ◎ 264-8079
4154 Grant Billie L Mrs
4157 Beharano Orlando ◎
4158 Vacant
4160★Lewis Nathalene 263-5569
4164 Tryon Mary K Mrs ◎ 264-5359
4170 Vacant
4172 Meza Oscar A ◎ 264-1096

183
JANAN WAY —FROM 6030 COZZENS ST EAST

ZIP CODE 92122
4310 Mathers James 453-3125
4311 Beth Thos G ◎
4318 Vitalich Nicholas A Jr ◎ 453-5299
4319 Hefferon Thomas W ◎ 453-5425
4326 Pyle Ross M ◎ 453-3235
4327★Marincio A Fred ◎ 453-2572

548
JANET PL —FROM 4640 LUCILLE DR WEST

ZIP CODE 92115
4615 Nelson Alric ◎ 583-5361

275
JANICE CT —FROM 9250 GEMINI AV NORTH

ZIP CODE 92126
10930 Vacant
10935 Vacant
10942 No Return
10945 Vacant
10954★Kent Donald B 271-7873
10955 Vacant
10965★Mumper Donald E ◎ 566-3451
10966★Wild Dennis L ◎ 271-5203
10975 Vacant
10978★Shim Hong S 566-0736
10985★Doliente Robt ◎ 566-6460
10990★Avakian Vaughn V 566-2842
10995★Robb Geoffrey L ◎

57
JANNEY CT —FROM 1745 BURTON ST EAST

ZIP CODE 92111
6821★Cakerize Don 560-0997
6822 No Return
6831 Lyons Sam ◎ 277-1771
6832 Kasten Eliz S Mrs ◎ 279-2005
6841 Morris Neva A Mrs ◎ 277-1769
6842 Montoya Larry genl bldg contr ◎ 278-7527
6851 Weeks Troy R ◎ 292-9991
6852 Wegimont Louis J ◎ 277-3677

171
JAPPA AV —FROM 4500 MELISA WAY EAST

ZIP CODE 92117
3214 Smith Peggy 272-0511
3215 English Thos 273-0275
3225 Perritt Birtus D ◎
3234★Graves Norma D Mrs ◎
3235 Albrecht Arthur H ◎ 273-3626
3245 Cranna Wm P 273-2768
3246★Clarke Donald
3255 Sellars Joseph E ◎ 273-3882
3256 Gaines Robt H ◎ 273-2208
3265 Profeta Michl ◎ 273-1183
3266 Baumgartner Sophie S Mrs ◎ 273-0031
3276 Ryzdynski Beulah V Mrs ◎ 273-4613

289
JARDIN CT —FROM 8200 GENESEE AV NORTHWEST

ZIP CODE 92123

335
JARVIS ST —FROM 2 SOUTH OF 1670 ROSECRANS ST NORTHWEST

ZIP CODE 92106
2806 Vacant
2809 Holmes Florene Mrs
2810★Maderios Edwin G
2811 Vargas Mary D Mrs 224-0438
2812★Sterling S J Mrs 222-3243
2815 Artz Mabel M 222-9014
2817★Watson Ralph G
2818★Harding Darrell G
2819★Cornman M 224-3956
2820★Walker Arth M
2821 Ferreira Belmira S Mrs 222-3660
2822 Ellis Harold R
2823 Viegas Mae Mrs 223-8618
2825 Kawamoto Sakayo S 222-5546
2827★Martinez Lloyd M
2829★Poe Dennis L 222-7583
2831 Kelley Mae V Mrs
2836★Burke Donald A
2838 No Return
2840★Richardson James E
2842 Pena Anita
SCOTT ST INTERSECTS
2901★Sullivan Richd E 224-9136
2902 Clark Arron B 224-7731
2904 Vacant
2906★Ignosci Danl A 222-9661
2908 Roy Rodney A 224-9057
2911 Andrade Mary G Mrs ◎ 222-8136
2912★Hunt Cynthia
2913 Motta Antone
2914 Jones Betty A 222-3371
2916 Vacant
2918★Walker Pamela S Mrs 225-8920
2919 Curry Hilda L Mrs ◎ 222-6295
Curry John E
2931 Yetter Elmer ◎ 224-5570
ROSECRANS ST INTERSECTS
3010 Duclos Doris M Mrs 224-9845
3019 Gibson John R 225-0375
3020 Jackson Larry
3023 Vacant
3025★Coffman David 224-9619
3027 Vacant
3028 La Natte Gerrie 222-7101
3029★Yetman Steven D ◎
3035 De Sousa Wm D 224-0785
3036★Norton Alf
3037 Williams Amelia Mrs ◎
3045 Vacant
LOCUST ST INTERSECTS
3103 Vacant
3104 Camacho Ernesto ◎ 222-5803
3105 Vacant
3107 Mason Frank E ◎
3109★Henson Steven D
3110 Jesus Manuel J 224-2568
3110½ Burn Thelma Mrs 224-3074
3111★De Stasio C 222-5963
3112 Sousa Jose ◎ 222-6287
3113★Andrade Manuel D 222-8237
3115★Otto F S 224-4852
3115½★Domingos Alice 225-9743
3117 Faria Manuel 222-9743
3119 Medeiros August 225-1598
3120 Moser Robt W 222-1528
3121 Ranieri Joseph ◎ 223-0335
3123 Vacant
3127 Furuya Geo ◎ 224-5201
3128 Mc Mullin Mary L 224-1681
3135 Vacant
3136 Whalin Maybel L ◎
3146 Silva Manuel J ◎ 223-0504
EVERGREEN ST INTERSECTS
3204 Quaresma Manuel A ◎ 222-9727
3207 Nunes Mauricio F ◎ 222-9474
3212 Joseph Manuel T ◎ 222-1740
3219 Placido Anthony P ◎ 222-2627
3220 Schmutz David 222-6124
3227 Boone Harry K Jr 224-9596
3228★Bentley Dennis B 225-8454
WILLOW ST INTERSECTS

565
JAVIER ST —FROM 4700 BLK LIMERICK AV EAST

ZIP CODE 92117
5218 Maxey John M ◎ 278-5326
5219 Gann Joseph ◎ 279-6536
5232 Rosson Ronald L ◎
5233 Aslin Paul J ◎

KEARNY VILLA LA—Contd
3249★Casey Allan
3249½ Boucher Norma Mrs 277-5573
3251 Schmidt Armin V 292-0889
3251½ Normandy April 277-6736
3253 Vacant
3253½★Tucker Kenny
3255★Phillippidon Effie 278-2723
3255½ Caballero Rudolph J
3257★Rosado Raymond 279-7357
3257½★Spencer Tricia Mrs
3259 Floyd Frank C 565-7816
3259½★Hill Chuck
3261 Tennessen Timothy J
3261½ Vacant
3263★Armstrong Thos 279-7759
3263½ Stremlau Claire Mrs
3265★Le Gerrette Jean 278-6669
3267 Stipes Geo W
3269 Mc Cracken Ron 565-9387
3271★Perrin Walter J 279-8655
3273 Hendon Doris J Mrs
3275★Dietz Bob 560-0720
3277 Farkes Patk 292-1281
3279★Davison B J 278-9260
3281 Vacant
3283★Milden Fred
3285 Fletcher Wm R 292-4636
3287 No Return
DONZEE ST BEGINS
3311 Medina Arth 279-6328
3315★Levin Madeline 565-4483
3317 Nebinger Eliz S Mrs
3319 Davis Jeannette H 292-4539
3321★Bellman Margt
3323★Hampson Scott A
3325 Mazzarella Louis 292-9303
3327 Piccolo Della M Mrs 279-6386
3329 Kovarsky Helen P Mrs 279-3886
3331 Gillett Lloyd F 292-4481
3333 Sovay Kenneth F 292-0348
3335 Phillippe L A 565-1672
3337 Cloonan John H Rev 292-7911
3339 Szwab Edw 277-5947
3341★Clark John R 292-7007
3343 Christensen Adele W Mrs 292-5253
3345 Lucier Joseph H 279-9029
3347★Funk Clyde D 279-2431
3349 Clark John R 292-7007
3351★Shovè Carole 292-0078
3353★Henson Claude A
3355 Jacoby Rodgers E 565-8852
3357 Vacant
3359 Turpeau D Dewitt Rev 277-8857
3361 Wilcox Patricia M 279-9739
3363 Contreras Frank M 565-2720
3365 Vacant
3367 Leavitt Lois M Mrs 565-6510
3369 Dungey Hazel H Mrs 277-4571
3371★Anderson Jan 277-0455
3373 Burns Arth W 292-0370
3375 Okesson Robt N
3377★Gregg Wm W 277-9318
3379★Williams J 560-7660
3381 Sabetti Craig A 279-7471
3383★Misiewicz E
3385 Morrison Lydia Mrs 277-7577
3387 Vacant
3401★Hunt G S 279-0578
3403 Vacant
3405★Revaredo Luis 560-1769
3407★Berg Paula L Mrs 279-9078
3409★Richardson James C 277-0397
3411★Thomas Alex
3415★Barber Ellen S
3417 Turgeon Richd E 279-8662
3419 Moore Charles A
3421 Getter Jo Mrs 279-2790
3423 Bryant L I 292-9258
3425 Mac Donald David 277-9306
3427★Brown Mich L 279-7775
3429 Bagley Mary E Mrs 277-7225
3431★Sale Jo Ann 279-9778
3433★Shields Charles S 565-8372
3435 Dobbs P R 292-1615
3437 Tucker Bates B 278-2896
3439★Mason L E 565-4821
3441★Hopkins Kathy Mrs 279-6657
3443 Gilliland Greg A 565-9543
3445★Hutton Robt
3447 Falcone Celia Mrs 560-0581
3449 Nein T C 560-9013
3451★Guida James A 279-8363
3453★Ferguson Saml A
3455 Vacant
3457 Vacant
3459 Zottolo Marco D
3461 Brown Duane K
3463 Scott Sue E 277-6369
3465 Steel Shirley L 279-4091
3467 Hughes Alice L Mrs
3469 Howard Mary Mrs 278-6315
3471 Nations Tom 278-4272
3473 Gilliam Cordia 278-1361
3475 Diaz Polly R Mrs
3477 Vacant
3481★Dobbins Marianne 292-0196
3483 Hebert Donald L 279-2138
3485★White David A 277-0366
3487 Hoisington Monte C 278-7215
3489 Houghton Terrance 278-7887
3491 Jones Sam A 279-0434
3493 Buis Kurt R 560-1704
3495★Walsh D 560-4270

649
KEARNY VILLA RD —FROM MESA COLLEGE DR NORTH (A FRONTAGE RD ON EAST SIDE OF STATE HWY 163)

ANNRAE ST INTERSECTS

143
AERO DR INTERSECTS
3870 S D City Fire Dept Repr Facility (Shops) 278-1662
S D City Fire Dept (Truck Co 3)
3880 S D City Fire Dept (Engine Co No 28)
BALBOA AV INTERSECTS

653
5011 General Dynamics-Electronics Div aircraft mfrs 279-7301
General Dynamics-Convair Div 227-8900
General Dynamics-Western Data System Center 277-8900
5225 Red's Fire House tavern 560-9096
5235 Filippi's Pizza Grotto 279-7240
5247 Black Angus Steak House restr 279-3100
Clairemont Lions Club civ orgn
5255 Springfield Wagon Works restr 565-2272
KEARNY VILLA WAY BEGINS
5345 Dills' Shell Service 278-9362
5375 Kearny Villa Square shopping center
Books For Life books & religious goods 565-8377
Bon Vivant Travel travel bur 560-1217
Cohen's Deli restr & delicatessan 560-5662
Have Plant Will Travel interior plant consultants 560-8312
National Automobile Club auto club 560-5202
Organ Center pianos & organs ret 292-2484
Organ Power Pizza restr 560-9898
Pioneer R V Parts Inc recreation vehicle acc & parts 560-5383
Swisher Insurance Agency genl ins 560-5115
CLAIREMONT MESA BLVD INTERSECTS
5445 Denny's Restaurant No 426 277-7272
5485 Kearny Mesa Used Auto Parts 279-8451
MONEL AV BEGINS
5520 Sports Inn cocktail lounge 278-5332
5522 Gold Nugget Card Room Of Keaney Mesa 278-5665
5524 Magic Grooming By Carl dog 278-4494
5535 Tu-Vu Drive In Theatre 277-4688
5561 Leach Industries (Plant)
5563 Leach Industries (Plant)
5565 Cobra Golf Inc (Plant)
5567 Leach Industries plastic prods mfrs 279-1000
5569 Cobra Golf Inc golf club mfrs 277-7000
5575 Vacant
5580 American Pacific Equipment Rentals Inc contrs 565-7122
5610 Liquid Carbonic industrial-med gas distr 278-0102
5624 California Awning & Canvas Co mfg 279-7085
5625 Vacant
5630 Keystone Automotive Plating 277-6650
5660 Perfecto Cast 277-6711
5665 Asteroid Corp electronics 277-3710
5670 Balboa Plumbing Co Inc contr 277-5880
5680 Adohr Milk Farms dairy 277-8354
5725 Cohu Incorporated Electronics Div electronics mfg 277-6700
Delta Design Inc Div Cohu Inc electronics mfr 292-5000
5730 Jet Center tavern 278-2363
5748 Merchandising Unlimited (Ofc)
5750 Merchandising Unlimited whol distrs genl mdse 278-3171
5752 Carlsen & Herold concrete contrs 560-0141
5760 Mini Redi-Mix bldg matls 560-4808
Rother's Railroad Ties used 565-4798
5803 Dutton Mfg (Div Pepper Industries) mach shop 292-9700
Siemag Systems Div Of Pepper Industries liquid solid waste disposal 292-0200
5805 Vacant

653
KEARNY VILLA WAY —FROM 5345 KEARNY VILLA RD SOUTH

ZIP CODE 92124
5225 Ashwill-Burke Co real est 565-6171
San Diego Handball & Raquetball Inc health spa 278-7232
5252 Schmidt Fire Protection Inc fire protection devices 279-6122
5254 D Jac unfinished statuary mfg 565-2215
5256 Custom Communications mobile communication sls-serv 278-5181
5258 Richey Electronics Inc electronics distr 565-4444
COMPLEX DR BEGINS

453
KEARSARGE RD (LA JOLLA) FROM 1441 AL BAHR NORTHEAST

ZIP CODE 92037
1506 Vacant
1516 Sharp Wm J Jr ◎ 459-7989
1521 Wright H Foster ◎ 459-2478
1526 Stevens John J ◎ 454-6825
1538 Durham Robt J ◎ 454-7996
1601 No Return
1606 Angelman Jack D ◎ 454-4148
1623 Hickey Charles W ◎ 459-8134
1627 Miner Blanche L Mrs ◎ 454-1560
1642 Barondes Saml H ◎ 454-6964
1650 Marston Arth H Jr ◎ 454-5408
1657 Levine Barry A 459-8571
1665 Walter James A ◎ 459-4980
1706 Vacant
1714 Allen Danl T ◎ 459-5401
1721★Gurtman G 459-7345
1722★Hall Saml R Jr ◎ 459-9565
1730 Holly Joseph A ◎ 454-6944
1745★Rudee M Lea ◎ 454-5329
SOLEDAD AV INTERSECTS

107
KEATING ST —FROM 3800 INDIA ST NORTHEAST

ZIP CODE 92110
3553 Harbaugh Thelma M Mrs ◎ 295-3717
3553½ Singleton James R 291-4533
3555a Maynard E J 296-2441
3555b★Anning Jo 296-6988
3555c Baer Jane S 299-2644
3567 No Return
3568 Gorman Addie L
3569 Haulman Martin E ◎ 295-1208
LINWOOD ST INTERSECTS
3605 Heilig Franz X ◎ 298-7060
3609 Mitchell Edw P bldg contr ◎ 291-0909
3611 No Return
3620 Boeren Mark 298-6094
3622 Barnard Robt S 295-9230
3624 Vacant
3626 Conroy James
3628★Spiegel S R 299-7369
3630 White Vernon
3632 Marofino Andrew Jr
3634 No Return
INDIA ST INTERSECTS
GUY ST INTERSECTS
3652★Trotier Russell 299-6665
3654★Rosko Linda 296-4400
3655 Briarwood Apartments
★Clay Marshal L 297-0707
3656★Reid Nick 291-5907
3657★Collier James
3658 Huovila Dennis 299-3961
3659 Vacant
3661★Nynatt Nick 299-8225
3663★Westfield Earl
3665★Barksdale Tyrone
3666 No Return
3667★Smith J
3669★Walker Sherri Mrs 295-6422
3670 Apartments
1 Strang Frank M ◎ 296-2202
2 Baser Helen C 298-7524
3 Glowenski Andrew M 291-0167
4 Reading David
3671★Ayers Jesse B
3673★Eichenberger Patricia
3675★Crandle Don 297-3489
3676 Cummings Charles
3676½ Vacant
3677★Jackson Joyce
3778 No Return
3679★Haug Ken
3681★Freeman Charles R 299-4562
3683★Bertoldo John A
3685★Loughran Tim
3687 Vacant
3689★Wright Joe
3710 Murillo John B ◎ 295-8590
3737 Harbor Sunset Apartments 295-9721
1★Wells Regina 295-8822
2★Thorvich Thomas 291-0416
3★Putnam Susan 296-6809
4★Bialas Jim 296-4344
5★Cummings Charles
6★Ritchey Ginger
7★Ramsey Leroy D 299-1942
8 Russell Keith L 299-0937
9 Masten Laverne
10 Nolen James 299-3658
11 Scherbaum John H
12★Diehl Kay 296-1785
3740★Richardson Lee 295-1254
3746 Simmons Richd
TORRENCE ST INTERSECTS
3754 Kaplan Saml I I 298-8436
3765★Taylor R J 298-1354
3767★Campbell Daniel J 296-4053
3776★Davis Edward J
3780★Jacinto Joseph 295-3027
3782★Cobb Elsie 298-9386
3784★Ray Nathan
3786★Imondi William
3787 Pepper Tree Apartments 235-6330
A★Sawyer Ken
B★Safie Joseph M 297-1502
C★Sawyer Mike 291-7725
D★Hull Robt O 299-5218
E★Martinez John
3812 Apartments
A★Greer Jean 295-7967
B★Bogart Joseph
C★Linn David
D Vacant
E★Prevost Ronald 299-1935
F★Miranda Pedro
G★Fox Helen
H Snow Roy
I★Emerson Marshall
J★Buford Steven
K★Billet Debbie
L★Davis Andy
M Johnson John
3871 Kapiloff Lawrence

335
KEATS ST —FROM 2 SOUTH OF 1600 ROSECRANS ST NORTHWEST

ZIP CODE 92106
2810 Keats Manor apts 224-3836
1 Vacant
2 Vacant
3 Vacant
4 Vacant
12★Fobian Velma C
14★Jerau Teresa F 223-6002
15★Hardy Lawrence A
16★Leyva Dona G
2812 Apartments
5 Jordan Cecil 224-3836
6★Russell Mary A
7 Sebastiani Nick 224-7162
8 Gunn John
9★Spruce Charlene V
10 Venuto Anthony
11 Di Beneditto Adelina Mrs
2821 Apartments
1 Melton J B 224-8318
2 Hayes Edna
3★Fernande Robt C
4 Katsuyama David M
5 Rhoads Golda S Mrs 222-4153
6★De Grave Robt J
7 Sherman Joel H 224-0669
8 Hill Fredk A 225-0888
9★Dubbs David R
10 Thomas Howard W 225-0667
11★Bishop Walter B
2827 Apartments
1★Overtruf Charles E
2★Davis Gary L
3 Vacant
4★Richards Charles F
2830 Casa Verde apts
C De Mott Barbara Mrs 225-1977
J Vacant
2844★Montoya Walter B
SCOTT ST INTERSECTS
2905 Corrao Michl 222-0114
2909 Vacant
2919 Adams Lucille L Mrs ◎ 223-8013
2929 Vacant
ROSECRANS ST INTERSECTS
3021 No Return
3027 Carter James L 224-8076
3035 Kuklenski Stanley
3045★Hinckley John E 222-7526

NILE ST—Contd
3317 Norman James J 284-4696
3318★Burchett Robt W 563-0045
3319 No Return
3320★Medvedick Steph P 282-4081
3322 Azevedo Mary T Mrs ◎ 284-2529
3323 Bryan R H ◎ 284-8617
3324 Pyers Ross M 281-8713
3325★Fernandis Joseph 282-0266
3327 Fox Vincent W ◎ 281-1768
3330 Polvino Carl J ◎ 284-1452
3333 Robertson Vera L Mrs 281-8724
3335 Kieferle Marion R Mrs ◎ 284-5455
3336★Barry E M 281-1115
3338 No Return
3341 Vacant
3342★Butcher Warren A Jr 284-8910
3344 No Return
3345 Crowley Daisy ◎ 280-2565
3402 Bixel Louise E Mrs 284-7029
3403 Severns Florence H Mrs ◎ 282-9788
3404★Morell Frank T 281-7522
3406★Hamlet Kathleen M Mrs ◎ 281-7616
3411 Beltram Larry
3414 Brown Ed L 283-8301
3416 Lizarraga Jose 283-4561
3418 Braun Jay
3419 Beatty Orville L ◎ 284-3153
3420 Dyck Cornelius 280-5065
3422 Moss Amos R 284-1431
3424★Jankowvsky Stanley
3426★Hogan Michl
3427 Mc Cullen Steven T
3428 Fawver Bill P 284-8709
3429 Moss Charles E ◎ 282-2817
3430 Mc Colm Walter L ◎ 283-4776
3434 Hart Dolores L Mrs 284-5416
3435 Metevier Paul ◎ 281-1476
3438 Olsen Emil B ◎ 281-7336
3445 Nares Peter ◎ 282-8729
3446 Neyman John C ◎ 281-5107
MYRTLE AV INTERSECTS
3502 Lynn Arth ◎ 284-7482
3505 Heck James L ◎ 283-3389
3510★Sherwood Vicki 282-2658
3512 Domen Hazel G Mrs ◎ 284-3813
3513 Hernandez Armando M 282-6939
3515★Shibel James M 282-3966
3517 Vacant
3520 Jones Joseph L ◎ 282-3985
3521 Herrell Mae C Mrs ◎ 284-3384
3526 Mc Gahuey E Beatrice Mrs ◎ 281-5178
3527 Swanson James
3530 Underwood Wallace W ◎ 284-6828
3533 Rimoldi Henry G ◎ 284-4319
3538 Huff Meta Mrs ◎ 284-5842
3539 Vacant
3542 Vacant
3543 Vacant
3543½ Vacant
3546★Olsen Marvin D
3549 Holmes Dennis C 281-9169
3550 Jacobs Irving L 280-4209
3551★Michalek Michl 284-1034
3552 Moran Marie E Mrs 283-6774
3556 Roberts Kenneth A 281-5649
3559 Vacant
3560 Gentellalli Frank ◎ 282-0303
3561★Mickelson Eric B 284-7176
3568★Coleman Arth W
3568½ Vacant
3570★Dailey Jacqueline Mrs 284-6136
3572 Gustavson Wm S 282-1403
3574 Haynes Dollie E Mrs 283-2762
3576 Brennan Albert D ◎
3578 Vacant
3578½ Vacant
3593 Crane's Rest Home 283-5210
Crane Lowell D 283-5210
3594★Barry Wm F 282-4951
DWIGHT ST INTERSECTS
3604 Vacant
3605 Walker Wm A ◎ 281-2798
3609 Blackledge Jackie L Mrs 282-4968
3611 Krill Harold J ◎ 281-4052
3614 Allread Donald H ◎
3619★Creasman Jess 281-7824
3620 Bonatus Gladys M Mrs ◎ 282-2742
3621 Vacant
3624 Bergeron Alice F Mrs ◎ 283-7701
3631 Quandt Merton A ◎ 282-0574
3633★Hulburt Robin 281-5171
3634 Berry Robt S ◎ 282-5639
3635 No Return
3642 Huber John T ◎ 284-4884
3644★Andrade Deborah 563-0518
3645 Quandt Marjorie V Mrs 282-9050
3646★Grandalski W L Mrs ◎ 280-6012
3648 Vacant
3650★Smith Thos W 282-9811
3652★Cordova Ray A 282-1563
3653 Alexander Donald J ◎ 284-4728
3656 Kevane Steph P ◎ 281-5220
3661 Rutley Geo W ◎ 283-8289
3664★Marinakis Demetrios ◎
3667 Steiger Anna Mrs ◎ 282-8331
3674 Augustine Vivian M 281-6909
3677 Finnerty Milford L 284-1821
3682 Dyer Clarence E ◎ 281-3761
3695a★Roach Thos D
3695b★Ratliff Reagan 280-5452
3695c Vacant
3695d Weibel Leo G 280-3119
3696 Skulavik John ◎ 282-7543
LANDIS ST INTERSECTS
3704 Raikes Ralph D ◎ 284-7435
3710★Dixon B J 280-5575
3718 Hodina Joseph ◎ 284-2137
3724 Baldino Maria Mrs ◎ 281-1361
3728 Carswell Wm D 282-3498
3730 Perez Ruben ◎ 281-7235
3736 Glasser Bruce 284-7960
3742 Apartments
1★White Dena I 281-8600
2 No Return
3★Hart Donald R 281-2802
4 Harrington Harold M 282-1768
3752 Apartments
1★Martin Danl J
2★Amaral Marlene F 282-6137
3★Machanis Michl J 281-2259
4★Landa Rubin
5★Haling Richd E 563-0927
6 Vacant
7 Vacant
3770 Vacant
NORTH PARK WAY INTERSECTS

35
NIMITZ BLVD —FROM 4000 N HARBOR DR NORTHWEST THEN NORTH

ZIP CODE 92106
2777 Point Loma Manor apts
1 Vacant
2★Felmoca Jimmy 224-7705
3 Vacant
4★Stauffer John 224-9314
5★Osburn Jo V 222-4470
6 Suarez Louis 223-3556
7★Bernabo Aldo
8★Robinson Allen
9 Vacant
10★Haberman Steve 224-0536
11★Haas Jan
12★Bradshaw Jack 224-6574
13★Creed Diane 223-1487
14★Gass Paula
15★Neuman James
16★Dean Harley 223-0669
17 Vacant
18★Gunderson Kenneth 222-7328
19 Vallejo Alfredo
20★Livingston Carl 224-4984
21 No Return
22★Keeler J Timothy 224-5830
23★Turner Michl 223-7983
24★Miller Robt W
25★Faudskar Sam
26 Vacant
27★Maxwell Ann Mrs 224-9146
28★Myers Max
29★Jackson Richd 224-8876
30 Townsend Danl 223-3535
31★Mc Alpine Larry 222-4047
32★Kvangness Richd K 222-2798
33★Mc Clinteck Richd 224-1376
34 Mc Donald Joseph C 224-9707
35★Blain Charles F 222-0205
SHAFTER ST ENDS
2821 Le Marques Apartments 222-0205
A★Kasa Louis
B★Tracy Michl 224-8188
C★Greenstein Geo E
D Stevens Kathy 224-4736
E★Fell Ronald 222-0768
F★Roper James H 225-0781
G★Douglas M E
2829 Apartments
H Loomis Barry
I★Horan J Edwin
J Hibbard Wm
K★Gahagan Cloyce J 222-7339
L Osmundson Margot Mrs 224-6752
M★Rutzen Dennis 224-9882
N Hay James L 224-0883
O★Hinman Don E 224-8627
2845 Centre West Professional Building ofc bldg
SUITES
A Sikes Wm F dentist 223-8179
A Albe John A dentist 223-8179
B Butler & Schroeder lwyrs 224-2918
C Vacant (Suites C-D)
E Caldwell White Realty 223-3171
F Lareau Richard J & Associates archts 222-0341
G Design Interiors & Imports int dec 222-3388
SCOTT ST ENDS
2901 Rodeway Inn Of America hotel 224-3655
Lobster Tank The restr 224-3655
Quarter Deck The restr 224-3655
Vinters Coffee Shop restr 224-3655
ROSECRANS ST INTERSECTS
3020★Adams Edw J
3020½ Vacant
3026 Wood Paul D 225-9174
3028★Lieberman David
3030★Thompson Michl D 224-1871
3045 Woods Joseph 224-8427
3046 Bradberry Esther E Mrs ◎ 222-1326
LOCUST ST INTERSECTS
3104 Vacant
3105 Medeiros Francisco ◎ 222-9745
3106 Carpenter B 224-4506
3109 Cross Lola M Mrs 222-4372
3109½ Frentress Edna E Mrs
3111 Sabatini Yolanda Mrs ◎ 224-3881
3112★Newell Jean M
3117 Gouveia Georgina B 224-0927
3119★Mc Carthy Ed
3120 Delgado Herbert A ◎ 222-1888
3121 Brunson Joseph W 224-9771
3126 Vacant
3128 Geneser John 222-8169
3129★Gravillo Mary
3130 Luna Leanna 225-0967
3132★Bossard Edw
3134★Hall Steven
3136★Kokonowski David
3137 Perreira Anton B
3138★Mitchell Paul
3139 Cabral Michl 223-7617
3140 Vacant
3145★Outland Joe
EVERGREEN ST INTERSECTS
LOWELL ST BEGINS
3240★Lopez Roberto
3244 Seavey Donald M ◎ 222-7787
CAPISTRANO ST INTERSECTS
CASTELAR ST INTERSECTS
3419 Lee Marvin C 224-9922
CATALINA BLVD INTERSECTS
OLIPHANT ST INTERSECTS
PLUM ST INTERSECTS
3615 Grabbit Louis P ◎ 224-4471
3625 Rodrigues Joao S 224-7655
3633 Da Costa Willamae O Mrs ◎ 223-1330
3656 White Jack L ◎ 223-6751
CHATSWORTH BLVD INTERSECTS

123
ZIP CODE 92107
CHATSWORTH BLVD INTERSECTS
3706 Suneson Violet E Mrs ◎ 224-8880
3714 Vacant
CENTRALOMA DR INTERSECTS
3774 Strainge Gertrude H Mrs ◎
3789 Chew Marian G Mrs ◎ 222-7411
3792 Melo Norberto 222-0919
BERNICE DR INTERSECTS
3795★Mc Clearen Craig 224-8026
TENNYSON ST INTERSECTS

331
NIPOMA PL —FROM 2950 NIPOMA ST WEST

ZIP CODE 92106
POINSETTIA DR INTERSECTS
3802 Amano Sam ◎ 223-0671
3803 Mitchell Joseph C ◎ 222-8149
3806 Montez Wm ◎ 223-0546
3809 Jones Kenneth N 222-1176
3810 Ryan Owen T ◎ 222-8755
3815 Sanford Wm B ◎ 223-6272
3839 Apartments
1★Mackinson Scott
2 Medeiros Chris R 224-8397
3 Vacant
4 Cota Richd 225-8268
5★English John R 225-9973
6★Doctor Robyn
7 Vacant

331
NIPOMA ST —FROM 2700 POINSETTIA DR NORTHWEST

ZIP CODE 92106
2708★Fraine Frank H ◎ 224-2215
2709★Driscoll Steve ◎ 224-6561
2712 Corbin James L 222-0193
2715 No Return
2716 Olson Marion L Mrs ◎ 224-1511
2720 Alloway Zella M Mrs ◎ 223-0155
2721 King Cecil ◎ 224-5548
2724 Monson Lester A Jr ◎ 222-8625
2727 Christy Henry L ◎
2728 Gruber Saml E ◎ 224-2390
2732 Gregson Mark U ◎ 223-0793
2733 Baker Jack W ◎
2736 Graham Alex G ◎ 222-4263
2739 Gelb Martin J ◎ 222-4478
2740 Morrow Clarence L ◎ 223-8368
2745 Vacant
2746 Johnson Wm S ◎ 222-0073
2751 Fisher Richd L ◎ 222-6664
2752★Price Robt ◎ 223-1282
2757 Truckenmiller Dale H ◎ 223-0196
2758 Alley Bill F 224-7241
2763 Rosenthal Leon ◎ 223-0804
2764 Graves Delbert B ◎ 222-7941
2769 Graham Leon L ◎ 223-9762
2770 Altman Peter J ◎ 224-9890
2776★Walker Kenneth 226-0711
AMARYLLIS DR INTERSECTS
2803 Piel Charles 224-3044
2804★Kuck F F
2810 Wood Glenn W Jr ◎ 222-2724
2811★Nissen Al O 222-3782
2816 Bray James ◎ 224-0758
2817 Mac Donald James D ◎ 224-9753
2822 Corsello Thos W ◎ 222-0203
2823 Dingman James J 222-1045
2828 Floodberg John ◎ 224-0846
2829★Hansen Peder 225-0897
2834 Hutchison Marjorie Mrs ◎
2835 Heldoorn James L 224-5613
2840★Ciechanowski E
2841★Carroll Reid
2846★Williamson Bernard 244-8688
2847★Smeal Glenn 224-1283
2852 Davis Robt E ◎ 223-1736
2853 Sage Delbert J ◎ 224-0111
2861 Nelius Arnold F ◎ 223-7429
2875 No Return
NIPOMA PL INTERSECTS
2911 Underhill Helen S Mrs ◎
2917 Le Clare Charles F ◎
2920 Olson Raymond N ◎ 223-7041
2923 Hammers Wm E ◎ 223-1498

667
NOAH WAY —FROM 4750 COBB DR NORTH

ZIP CODE 92117
5252 Bernick Carl R ◎ 276-7489
CRISP WAY INTERSECTS
5304 Mc Cullough Albert C ◎ 273-8847
5320 Rodriguez Peter A ◎ 273-3795
5327 Caudill Curtis E 273-8195
5336 Packard Harry B ◎ 274-1019
5350 Zornado Robt L ◎ 274-5894
5355 Flashaar Richd L 276-3813
5375 Flores Arnold ◎ 276-7959
5407 No Return
5425 Strickling Francis L ◎ 273-1903
5426 Merritt Gary 273-7089
5439 Hunter James 276-9480
5448 Thornton John H ◎ 274-0859
5455 Wilson Robt D ◎ 274-0140
5475 Erwin Robt E ◎ 276-0889
5476 Stone Morton ◎ 272-7342
5502★Volpe Mario ◎ 270-0413
5514 Hendrickson Eldred W ◎ 276-7782
5515 Heppner Dennis B ◎ 272-3071
5522 Marshall Carroll W ◎ 273-8731

157
NOBLE DR (LA JOLLA)—FROM 8830 VILLA LA JOLLA DR EAST

ZIP CODE 92037

269
ZIP CODE 92123
CARGIL AV ENDS
GENESSE AV INTERSECTS

239
NOELINE AV —FROM 110 SEARS AV NORTHWEST

ZIP CODE 92114
8312 No Return
8325 Vacant
8355 Knight Wm A ◎ 479-8250
8385 Brown Jack D ◎
NOELINE CT BEGINS
8410 Mc Dougle Maintenance Service jan serv 479-9955
★Mc Dougle James ◎ 479-9955
8411 Carroll Charles C ◎ 479-5440
8430 Thomas Walter L ◎ 479-0924
8431 Pettis Robt L 479-0206
8451 Vacant
8460 Davis John G ◎ 479-6504
8471 Warren Clark 479-9547
8491 Devenberg Paul B ◎ 475-0500
N NOELINE WAY BEGINS
8505 Slay John A ◎
8510★Spinks Gina Mrs ◎
8520 Carr Barbara Mrs ◎
S NOELINE WAY BEGINS
8530 Gassman Wm J ◎ 479-5443
8540 Rodriguez James ◎ 479-7618

SHAFTER ST 1975

SEVILLE ST—Contd
3160 Meserve Saml C ◎ 223-6085
EVERGREEN ST INTERSECTS
31

SHADOWLAWN ST —FROM 3030 LOCUST ST NORTHWEST

ZIP CODE 92110
3110 Jewell Stuart A ◎ 222-6985
3111 Briggs Robinson P ◎ 223-7220
3120 Kovacevich Dinko A ◎ 224-0194
3121 Merkel Herbert A ◎ 223-7776
3130 Burr Mary N Mrs ◎ 222-3083
3136 Houser Olive M Mrs ◎ 223-3680
3141★Wiseborough Howard ◎
N EVERGREEN ST INTERSECTS
3204 Berndes Axel E ◎ 223-0721
3210 San Diego Guide publ 222-9967
3224★Parsley Dempsey R
3234 Kenworthy Arth R ◎ 222-4956
237

SHADYGLADE LA —FROM 154 CORALWOOD DR NORTHEAST

ZIP CODE 92114
7602 Stephens Joel
7614 Seiveno James R ◎ 479-5049
7626★Grover H Dubois
7627 Vasquez Robt C 479-0293
7638 Palmer Jack E ◎ 475-3681
7641 Carman Virginia Mrs ◎ 479-7400
7650 Craig Hilton Jr ◎ 479-8775
7653 Jordan Bradford C ◎ 479-7079
7662 Vaca Amparo E Mrs ◎ 479-2643
7671 Vacant
7674★De Johnette Carolyn M Mrs ◎ 479-6814
7683 Foreman Odis G ◎ 479-0350
7686 No Return
7693 Clark John G ◎ 479-2304
7696 Stewart Paul ◎
7701 Rodgers Frank Jr ◎ 479-6206
7702 Delia Louis R ◎
7711 Powell David O 479-4854
7712 Elder Thos 479-6977
7722 Burns John W ◎ 479-0056
7723 Benavente Jesus ◎
7732 Wedgewood Arth J ◎
7733★Moore Howard Jr
7742 Fleming Charles O ◎ 479-9071
7743 No Return
7752 Ealy Zona J Mrs ◎ 479-3356
7753★Walker Ray S ◎
7762 Elie Shirley Mrs 479-4897
7767 Nevarez Rose Mrs
7772 Mc Cloud Walter ◎
7779 Roiz Henry ◎ 479-3633
7782 Evans Wm Jr 475-1981
7791 Maxwell Nathl T ◎ 479-8280
7792★Hudspath Lee P ◎
ARROWWOOD DR INTERSECTS
S MEADOWBROOK DR INTERSECTS
237

SHADY OAK RD —FROM 396 NORTHGATE ST SOUTH

ZIP CODE 92114
568

SHADY SANDS RD —FROM 6700 WINDING CREEK DR NORTH

ZIP CODE 92120
8046★Adair E
8054 Davis Robt H Jr 286-7777
8062 Shapiro Alan J 286-9489
8070★Pokrivnak Michl J ◎ 287-0820
8078 Lance Dennis R ◎ 286-0287
8079 Vacant
8087 Allard Ronnie G 583-2703
119

SHAFTER ST —FROM 2800 UPSHUR ST EAST

ZIP CODE 92106
1055 Megatek Corp consultants 224-2721
1069 Momoi Co Inc fishing nets 224-2875
1071 Wyatt Frank K marine surveyor 223-8167
CANON ST INTERSECTS
1122 Ballas Elton M sail mkr 223-3925
ADDISON ST BEGINS
SHELTER ISLAND DR INTERSECTS
1228 Galinis Electronics marine electronic serv 222-2576
1229 Kettenburg Marine (Electronic Equip & Repr Dept) 224-8211
1231 Kettenburg Marine (SHOP)
CARLETON ST BEGINS
335
1618 Brunk Richd L 224-5397
1620★Guillory Shirley
1622 Da Rosa Januario G 224-0087
KEATS ST BEGINS
NIMITZ BLVD INTERSECTS
202

SHAMROCK ST —FROM 1 SOUTH OF 4100 SYCAMORE DR NORTH

ZIP CODE 92105
2303 Mhoon Wm W ◎ 281-4457
2309 No Return
2310 Vollmer Donn H ◎
2314 Williams Wm H ◎ 281-9645
2315 Campbell Christina Mrs ◎ 281-7592
2320 Vacant
2323 Staedeli Jerry H ◎ 281-9644
2324 Stauffer Paul W ◎ 281-3871
2331 Vacant
2332 Lunak Raymond E ◎ 283-3257
2333 Vanesse James R
2335 Hooyen Peter J ◎ 283-3397
2342★Sexton Bruce F ◎ 284-7886
2345 Zygar Edw ◎
2348 Van Kampen Neal ◎ 281-8620
2351 Roper Robt H ◎ 281-6075
2357 Richardson Phyllis M Mrs ◎ 284-6892
2403★Martin Louis
2404 Hanks Geo E ◎ 282-5901
2407★Converse Bruce 281-5891
2409 Driscoll Patk J 284-7877
2410 Goulart Frank
2413 White Edwin O 283-8207
2415 Vacant
2416 Cruz Carlos F ◎
2422 Bishop Maggie S Mrs 282-8343
2424 Bishop Oscar M ◎ 283-8146
2428 Cain Bert W ◎ 284-9756
SYCAMORE DR INTERSECTS
176

SHANE PL —FROM 5195 LA DORNA DR WEST

ZIP CODE 92115
6401 Welch Morris M ◎ 287-1700
6404 Brown Stanley C ◎ 286-9657
6409 Huth Robt D ◎ 583-8723
6417 Lutz Tomme
6420 Furlow Bernice Mrs ◎ 582-8916
6425 Monson Harold R ◎ 583-1680
6433 No Return
6440★Linthicum John C 583-2577
6441 Larsen Hazel R Mrs ◎ 582-3058
6449★Ricks Robt B ◎ 284-7506
6457★Minnich Peter
6460 Nava Gabriel ◎ 583-0993
148

SHANNON AV —FROM 4800 ROLAND BLVD EAST

ZIP CODE 92115
6600★Burke Florence Mrs ◎
6606 Walsh Paul J ◎ 582-8454
6610 Frazier James R ◎
6620 Simmons Warren A ◎ 286-0750
6630 Chamberlain Edgar J ◎ 582-1665
6633 Pearling Wm W ◎ 582-2173
6640★Cunningham Jack W 287-8173
6650 Fink Freada M Mrs ◎ 582-5714
6660 Foltz Charles J ◎ 582-1902
6670 Karpinsky Nellie Mrs ◎ 583-1793
6675★Nobles Joseph R 287-7452
67TH ST INTERSECTS
6701 Lay Marjorie J ◎ 469-9673
6710 Klouw Gordon D Rev ◎ 460-4466
146

SHARRON PL —FROM 5485 TROJAN AV SOUTH

ZIP CODE 92115
VALE WAY INTERSECTS
4216 Novidor Sonny ◎ 582-1461
4224 Jungblut John R ◎ 582-0916
4232 Payne David M ◎
4242 Province Betty J Mrs ◎ 582-6227
475

SHASTA ST —FROM 3750 CROWN POINT DR NORTH

ZIP CODE 92109
3754 Apartments
A Bonnette Paul C 273-2406
B Tuininga L 274-4518
C Gillman Barney E 272-2659
D★Leasure Eva M Mrs 273-7755
E Gussick Robt 273-5607
F Roberts Carol 270-3232
G Gussick C
H Fagen D Patk
STREET CONTINUED
3776 Carroll Lenore B Mrs ◎ 274-2107
3778 Bay View Apartments
1 Jennings Gary
2★Kreisberg Danl ◎ 270-2791
3★Watkins Woodrow 274-5165
4 Willett Donne
5 Vacant
675
LA PLAYA AV INTERSECTS
3803★Mickelson Geo
3804 No Return
3809 Vacant
3811★Cunningham A 274-2225
3813★Vecchio Roseann
3813½ Martin Glenn A
3815 Richardson E B ◎ 270-2244
3816 Stillwaugh Wm H ◎ 274-6803
3817 Apartments
A★Hubler Linda 270-5147
B★Spires Judith
C O'Conner Sheila G 270-5690
D Scott Kelly 272-0712
STREET CONTINUED
3818★Johnson Jeff L 272-1636
3819 Andrews Ray E ◎
3820 Radoy Mamie B Mrs ◎ 274-1458
3825 No Return
3826 Olson C M
3827 Vacant
3836 Tanner John G 272-3344
3848 Lowe Rudy M
3849 Shasta Daisy Apartments
1 Vacant
2 Nicholson James G 272-6473
3★Byrd Cindy N 272-4722
4★Wilson P 273-3257
5 De Vaux Richd F 272-2084
6 Yerman Deborah
7 Popa Arrie E Mrs
8 Vacant
9 Vacant
10 Chinner Louise 272-4601
11 Vacant
12 Vacant
13 Arthur Lyna J Mrs 270-1627
14 Rumminger Joanne L 272-0881
15 Olson Gabriel 273-6938
16★Bryant Jack E 275-1492
3851 Smith Mary Mrs 276-0772
3863 Markey Wm M ◎ 274-4540
3869 Van Der Veur Ruby I Mrs ◎ 273-3483
3877 Friends Of Handicapped Children social serv agcy 273-2278
3880 Tuscan East apts
A1 Butcher M
A2 Best Bud 273-3230
A3 Coradino Charles 274-6712
A4★Claysmith A
A5★Gomez A 270-5722
A6 Vacant
A7★Folsot D J 270-5336
A8★Martini Frank 270-3237
B1★Asaro S
B2★Jorgenson G
B3★Jones Fred L 270-0241
B4 Smyers Terry G 270-3315
B5★Brockover R
B6★Schmidt S
B7★Betty D 270-3827
B8 Logan James C 270-0380
B9 Borg Walton 270-2021
B10★Saint John R
B11 Mc Donald Michl 272-5093
B12★Huntley James F 270-6857
B13★Fisher S
B14★Berriman D
B15★Haddock N
B16 Duran V E 272-5689
B17 Bishop J
B18 Drury Pamela R 273-4029
B19 Crawford Harry T 270-4070
B20★Gire R
B21★Nash R
B22 Spramelli K 272-8092
B23★Mac Reynolds Katie 270-7841
B24 Mc Clintock B 273-4627
B25★Petric Lydia 270-2705
B26★Warner P 270-4895
B27★Grein D
B28★Cathey Cherie 272-7177
C1 Bodie J 272-4994
C2 Vacant
C3★Hiles L
C4★Smiley Michl C 273-2430
STREET CONTINUED
ROOSEVELT AV INTERSECTS
3922 Cummings Wilford 276-3063
FORTUNA AV INTERSECTS
4003 Chamberlain Floyd J ◎
4009 Celats Eug ◎ 273-1138
4011 Martone Barbara 272-3762
4014 Ryan Agnes R Mrs 274-2775
4015 Kremer Mark 270-1951
4015½ Brown James L ◎ 274-3567
4016★Hutchison L M 273-5769
4016½★Tobin Janice 270-4442
4017 No Return
4018 Barber F H
4020 Senour Dorothy M Mrs 274-3407
4021★Jech R
4025 Francis Wm J ◎ 276-4255
4026 Clark Raymond ◎ 273-9662
4036 Shasta Palms Apartment 274-6995
1★Tetzke H T
2★Holloway Mary 270-1396
3 Waters Charles
4 Keiko Glenn
5★Gozdan J
6★Aposhian Cheryl
7 Gray Laura F Mrs 274-5975
8 Vacant
9★Vallon G
10 Allen Nettie M Mrs 274-5356
11 Brauchler Josephine Mrs ◎ 274-6995
12 Tutt Louise T
14★Davis Bart
STREET CONTINUED
CHICO ST INTERSECTS
4052 Rodgers Wm O ◎
4054 Elias Wm T
4062 Apartments
1★Knudson K 270-9185
2★Reynolds Marc 272-4358
3 Cox Nancy 273-1853
4★Frost Richd
5★Garcia Ines S 272-0321
6★Upham V 270-8034
7★Burgess J
8★Inouye David 274-4315
9 Vacant
10 Taylor K 273-1275
STREET CONTINUED
4069★Gollaher Patricia G Mrs
4074 Martinez Delfido ◎ 273-2646
4079★Taylor Sharon K 272-0097
PACIFIC BEACH DR INTERSECTS
275

SHAULA WAY —FROM 11259 SIRIAS RD EAST

ZIP CODE 92126
8806 Styker James ◎ 271-7279
8813 Hahn Hal
8814★Cooper James W ◎ 271-0114
8819 Cameron John ◎
8820 Quinone Ray S ◎
8827 No Return
8828 Dowling Robt E ◎ 271-6697
8833 Berardi Arth F ◎ 271-5189
8834 Williams Donald L ◎ 271-6652
8841 Collier Randolph J ◎ 271-5994
8842 No Return
8847 Miller Ralph
8848 Jones Guy G ◎ 271-6641
8854 Crew T W 271-0994
8855★Fernandez Agustine C 566-6019
8861 Miller Wm L 271-6647
8862 No Return
8868 Mc Kinney Harry G 271-5727
8869★Mc Parland Larry L ◎ 566-0788
8875 Pearce David R ◎ 271-5897
8876 Noto Vincent H ◎
8882 Anderson Charles O 271-6648
8883 Nyles Opal E Mrs 271-9461
8889★Barbee Larry E 271-7189
8897 Williams James ◎ 271-4489
74

SHAULES AV —FROM 300 63D ST EAST

ZIP CODE 92114
6308 Riddels Bertha U Mrs ◎ 264-1989
6365a★Belcher Claude A 284-3271
6370 Lamonte Richd A ◎ 262-9274
6403★Hopster Bradley 272-5650
6404 Arnett Joaquin E ◎ 262-8243
6405 Rodriques Don ◎ 264-3314
6406 Vacant
6407 Rodriques Alf
6425★Hill Gordon A 264-3545
6428 Favro Frank J ◎ 264-4160
6433 Gaulden Colette Mrs 262-0681
6435 Lewis Becky Mrs 263-5993
6437 Vacant
6439★Blaisdell Michl 263-7430
6441 Vacant
6443 Scott Jadzia M Mrs 263-5352
6445 Mark Pauline Mrs
6447 Adler Maxine Mrs 264-3338
6449 Hayes Joan Mrs 263-1896
6451★Quinones Caroline C Mrs 264-8330
6453 Luckett Steve 262-3504
6454 Alkire Robt V ◎ 262-6412
6455 Burks Lawrence 263-2902
6456 Vacant
6457 No Return
6459 Vacant
6461 Alexander Napoleon L

HARBOR DR N 1966

HANIMAN DR--CONTD
---MARING PL INTERSECTS
2219 NELSON WM L ● 262-9596
2227 BROWNING MARION E ● 264-2459
2235 FALK BERTHA MRS ● 262-8759
2236 CAMREN ROLLIE L ● 264-8380
2243 PRUDEN BYRON R 264-7021
2244 SCHWEIZER DOUGLAS G 262-9525
2251 HUBBARD JOHN A ● 264-4713
2252 MELTZER DEAN E ● 264-4625
2259 LITTLE CHARLES W ● 264-5234
2267 KNOX JOHN A 264-6054
---PIROTTE DR INTERSECTS

80
HANNA ST -FROM 2150 GIEGER EAST

5405 YANTA RAYMOND M ●
5407 STEWART SIDNEY E ● 264-0672
5411 THOMAS RALPH
5412 SAN DIEGO FLOOR CO WOOD 264-4712
CHEWNING HOLLIS G ● 264-4712
5415 HANSON KENNETH C ●
5419 HOLMAN HERBERT A 264-8164
5420 CLARK SHIRLEY A MRS ● 264-8459
5423 VESCO DONALD A 264-5298
5426 WALRATH HAROLD M
5427 TIMMS BOB E ● 264-7754
5430 PEVERINI FED 264-8846
5431 RUBINO SALVADOR
5435 DAVAULT DAVE
5436 GARY THOS M ● 264-4521
5439 LONG MICHL ● 262-0204
5440 ZIMMERMAN JACK A ● 264-2980
5443 COOVER ROBT E ● 264-8807
5444 WALTERS JAMES ● 263-1302
5447 FOREST REA P ● 264-0896
5448 FARRAR WAYNE E ● 264-5604
5455 RIVERS ROBT 263-1255
---55TH ST INTERSECTS

178
HANNIBAL PL -FROM 69TH ST EAST 1 SOUTH OF CELIA VISTA DR

3939 WILSON ELLIS D ●
3956 MANGELS CHARLES ●
3962 HELMS ARTH R ● 582-9340
3968 BRUSH HELEN H MRS ● 582-8996
3972 STEPHENSON WM D ● 583-0591

64
HANOVER ST -FROM 5400 ROSWELL NORTH

921 RODIN RAMONA MRS ● 264-5920
931 LAWRENCE NEAL ● 264-3423
936 VACANT
939 RUBENS DAVID 262-5190
945 VACANT
946 VACANT
947 COMBS JIM ● 262-7662
951 LINTON GORDON
954 THORPE J D 262-6075
955 VACANT
960 VACANT
970 VACANT
972 LACY WM ●
1002 JACKSON MORRIS K 264-3384
1004 HANSEN WM A 262-8178
1011 SERVEY JOSE V ● 262-7372
1024 DRAGOO LARRY
1029 SERVEY ALFONSO A
1035 MURAKAMI TSUYOSHI ● 262-1596

216
HARBISON AV -FROM 7200 BLK EL CAJON BLVD SOUTH

4905 SIRUTIS FRANCES H MRS ● 466-0945
4915 VACANT
4925 HUGG SIDNEY L ● 466-2806
4928 WILCOX ROBT D JR ● 469-3271
4930 VACANT

904
HARBOR DR E -FROM PACIFIC HWY AT A POINT ½ BLK SOUTH OF W MARKET SOUTHEAST

---KETTNER BLVD BEGINS
---5TH AV INTERSECTS
701 BULLEN PETER F SHIP BROKER 239-4465
COMMON MARKET OF CALIFORNIA EXPORT & IMPORT 233-7583
MILLER-GRESHAM ACCOUNTING SERVICE 233-7583
SAN DIEGO LUMBER CO WHOL 239-8131
SPERRY GYROSCOPE CO AERONAUTICAL EQUIP MFRS 232-7105
---8TH AV INTERSECTS
820 D & P TRUCK CENTER 239-2001
900 CROFTON TRUCK STOP GAS STD 232-3333
---BEARDSLEY ST INTERSECTS
CITY METROPOLITAN SEWER DIST PUMP HOUSE NO 51
NATIONAL STEEL & SHIPBUILDING CO 239-8061
1819 VACANT
1821 VACANT
1851 VACANT
1883 MOBIL OIL CO 232-5031
1905 VACANT
---CROSBY ST INTERSECTS
1935 REPLACEMENT PARTS WAREHOUSE AUTO ACCESSORIES 234-6746
1945 CEAZAN J N CO WHOL TIRES 239-1301
1965 MOTOR PARTS WEST 234-2154
2025 SOUTHERN EQUIPMENT & SUPPLY CO MACHINERY DLRS 232-6123
2075 CALIFORNIA MILLING CORP FLOUR & FEED 232-9121
---SAMPSON ST INTERSECTS
2201 SAN DIEGO GAS & ELECTRIC CO (SUB-STA)
2295 RICHFIELD OIL CORP WHOL PETROLEUM 234-5171
---COLTON AV INTERSECTS
2351 STANDARD OIL CO OF CALIFORNIA WHOL PETROLEUM 234-5111
2405 OIL FILTER SERVICE CO 239-6792
---S 28TH ST INTERSECTS
2805 HARBOR DRIVE MOBIL GAS STA 232-1938
2865 INDEPENDENT PAPER STOCK CO PAPER DLRS 232-0596
2931 RELIANCE STEEL & ALUMINUM CO WHOLESALE STEEL 234-2104
3375 CITY SEWAGE PLANT

904
HARBOR DR N -FROM PACIFIC HWY AT A POINT ½ BLK SOUTH OF W MARKET NORTH

565 STANDARD STATIONS INC GAS STA 232-9754
570 CRESCENT CAFE NO 2 239-0572
STAR & CRESCENT FERRY CO 239-8051
---W MARKET ST INTERSECTS
---G ST INTERSECTS
700 AMERICAN NATIONAL RED CROSS (OFC OF FIELD DIR) 233-7244
720 FLEET LANDING PIER INFORMATION & TICKET CENTER 239-5543
NAVY EXCHANGE SNACK BAR RESTR
820 VACANT
---BROADWAY ST INTERSECTS
937 NAVY PIER
NAVY PIER BUILDING
U S N COMMANDANT 11TH NAVAL DIST ADMN OFC 232-3871
U S N COMMUNICATIONS STA 232-3871
U S N DEFENSE SURPLUS SLS 232-3871
U S N DIST MANAGEMENT ASST OFC 232-3871
U S N 11TH NAVAL DIST & BASE COMMANDANT 232-3871
U S N EMPLOYMENT OFC 232-3871
U S N REGIONAL ACCTS OFC 232-3871
U S N SUP CENTER 232-3871
U S N VETERINARY FOOD INSPECTION DETACHMENT 232-3244
1009 BERNE'S HOFBRAU INC DIANE SCHWEIZER V-PRES 234-1964
1050 GHIO'S SNACK BAR 239-1994
UNITED WATER TAXI CO WATER TAXI 239-8217
1140 PORT OF SAN DIEGO PIER B 233-0181
ROOMS
1 BROWN MASSIE & ASSOCIATES W E PUGH DIV FOOD BROKERS 234-3347
2 SHREVE & HAYS CUSTOM BROKERS 239-8019
3 LOUDON JAMES & CO CUSTOMS BROKERS 234-2481
3A SAN DIEGO TERMINAL & WHSE CO (BR) CARGO HNDLRS 234-1851
4 WILKS BROKERAGE INC FOOD BROKER 233-3207
5 STOUDT RAYMOND F IMPORTER 239-7465
5 TURECEK BOAT & IMPORT CO IMPORTER 239-7465
6 DUNN JOHN H CO EXPORT IMPORT FOOD GENL MDSE 234-6578
7 PORT OF SAN DIEGO (DIR OF FINANCE)
8 PORT OF SAN DIEGO (ACCTG & FINANCIAL PLANNING)
9 CONSUL GENERAL OF COSTA RICA 233-7371
9 SOUTHERN CALIFORNIA FISHERMEN'S ASSN INC WHOL FISH BROKER 233-7371
10 VACANT
11 VACANT
12 VACANT
STREET CONTINUED
1265 SAN DIEGO UNIFIED PORT DISTRICT
---ASH ST INTERSECTS
1271 PORT OF SAN DIEGO (MAINTENANCE DIV)
1306 MARITIME MUSEUM ASSN OF SAN DIEGO 239-0625
STAR OF INDIA MARITIME MUSEUM 239-0625
1360 ANTHONY'S FISH GROTTO RESTR 234-4464
1365 PORT OF SAN DIEGO ADMINISTRATION BUILDING 233-0181
LAWLESS & ALFORD GENL CONTR 232-6731
1500 TUNA CLIPPER MARINE BOAT SERV 233-6431
1705 NORTH SAN DIEGO MARINE STATION GAS STA 233-6884
1706 THEODORE'S STANDARD OIL SERVICE STATION MARINE PRODUCTS STA 233-6884
1804 U S BUR OF CUSTOMS (BARGE OFC) 293-5370
2101 LUBACH'S RESTAURANT 232-5129
2201 SOLAR AIRCRAFT (ENG & RESEARCH CENTER)

906
---LAUREL INTERSECTS
2505 ARNOLD'S CHEVRON GAS STA 296-1180
2701 RYAN AERONAUTICAL CO 296-6681
2710 U S COAST GUARD AIR STATION 295-3121
U S COAST GUARD RESERVE TRAINING ARMORY
2930 GENL DYNAMICS (ADVANCED PROD DEPT) GENL ATOMIC DIV 297-4341
3380 LOCKHEED AIRCRAFT CO (OCEANIC DIVISION) OCEANOGRAPHY 298-8245
LOCKHEED CALIFORNIA CO OCEANOGRAPHY 298-8245
LOCKHEED MISSILES & SPACE CO MFRS 298-8245
---LOWELL INTERSECTS
3440 NO RETURN
4800 U S NAVY FLEET ANTI SUBMARINE WARFARE SCHOOL 223-8141
U S NAVY FLEET TRAINING GROUP 223-8141
U S NAVY TRAINING COMMAND PACIFIC FLEET 223-8141
4823 STANDARD STATIONS INC GAS STA 223-9560
4904 SAN DIEGO COMMERCIAL FISHING BOAT OWNERS INC BOAT LANDING 223-9579
LAPACEK ERNEST
4960 HARBOR BOAT & YACHT CO BOAT BLDRS REPR 223-3133
4975 WESTY'S POINT LOMA LUMBER CO 223-7111
5005 POINT LOMA SHORES MOTEL 224-3407
DRURY THOS H
5055A PERRY & HAMLIN INC INS 222-0311
5055B VAN CAMP SEA FOOD CO 224-3258
5055D BUTLER & SCHROEDER LWYR 224-2918
5055E CAVELL REALTY 223-3654
5055F BOOZ-ALLEN APPLIED RESEARCH 224-2936
5055G MASTER SYSTEM CORP CONSULTANTS 224-1272
5055H VACANT
5055I LAREAU RICHD J & ASSOCIATES ARCHT 222-0341
5055J WORTHINGTON RICHD E PSYCHOLOGIST 222-6655
KINNON WM D PSYCHOLOGIST 222-6655
---SCOTT INTERSECTS

HARBOR DR N 1966

HARBOR DR N--CONTD
5102 POINT LOMA TRAVELODGE MOTEL
223-8171
KAPP WM F
5104 SUN HARBOR MARINA BOAT
MOORAGE 222-1183
HUNTRESS MARINE INC BOAT DLR
222-1183
5135 OFFICE BLDG
SUITES
A TATE BETTY R MRS REAL EST
223-9916
B ACCENT STUDIOS COML ARTIST
222-0386
C SMALL CHARLES H PRIVATE
DETECTIVE 224-3163
D HALSY W F MFRS AGT 233-1353
F E D O CORP FIELD SERVICE
ELECTRONIC SUP 223-1353
5145 AUX BON VIVANT APARTMENTS
222-0861
ASPLING WALTER 222-0861
5147 VACANT (5147-49)
5149½ CULBERT JAMES R 222-5596
5150 TARANTINO'S JOHN RESTAURANT
224-3555
---ROSECRANS INTERSECTS

904
HARBOR DR W -FROM FOOT OF PACIFIC
HWY WEST 1 SOUTH OF W MARKET

905 PEOPLES FISH CO 239-8158
915 SAN DIEGO FISH MARKET
232-2095
925 LOS ANGELES SMOKING & CURING
CO WHOL 234-0710
STELLAR FISH CO 234-0710
UNION FISH CO WHOL 234-0710
935 CAMILLO J J BROKERAGE CO SEA
FOOD BROKER 234-3177
LOWER CALIFORNIA FISHERIES
ASSN 234-3177
939 GOODMAN I A INC CLO MEN'S
WHOL 233-7128
945 CHESAPEAKE FISH CO WHOL
233-7524
955 GHIO SEAFOOD PRODUCTS WHOL
233-8105
965 CHESAPEAKE FISH CO (WHSE)

904
HARBOR LA -FROM FT OF PACIFIC HWY
NORTHWEST ALONG WATERFRONT

---W HARBOR DR ENDS

904
HARBOR ST E -FROM 700 W MARKET
SOUTHEAST

525 SAN DIEGO ROWING CLUB
ATHLETIC CLUB 232-1898
600 AMERICAN MILL & MFG CO LBR
WHOL 232-2067
AMERICAN PRODUCTS INC LBR
WHOL 232-2081
700 SAN DIEGO LUMBER CO (YARD)
705 PEGASUS MARINE CO INC SUP
239-1215

39
HARBOR VIEW DR -FROM 3100 TALBOT
AV SOUTHWEST

909 PERRY FRANK M ● 223-8574
920 HANSEN CLIFFORD W ● 222-8408
921 TOOTHAKER JAMES C ● 223-7523
925 BUCHER BARBARA J MRS ●
223-8688
---HARBOR VIEW PL INTERSECTS
936 MORAN C ANTHONY ● 222-7436
941 WAGSTAFF DAVID ●
945 LAMOREAUX RUSSELL W ●
223-1265
947 VACANT
950 HANKE HAL G ● 222-4357
955 HARTLEY PAUL J ● 222-8343
959 SULLIVAN FRANCES H MRS
223-6487
960 DAMESON LOUIS G JR ● 222-5125
965 ENGBERG GUNNAR K ● 222-8652
975 VACANT
979 GREEN CHESTER A ● 222-3013
---RUNNYMEADE LA INTERSECTS

3210 RUHMLAND JACK H ● 224-2257
3221 HARDING J C ALMY ● 222-8152
3229 KUERBIS STANLEY S ● 222-4131
3235 POYNER NILE D ● 222-3849
---MARTINEZ ST INTERSECTS
3243 VACANT
3290 VACANT
---GOLDEN PARK AV INTERSECTS
3308 DALE GEO P ● 223-3094
3311 ZACKER LAWRENCE F ● 222-2690
3316 CAPONI A PHILLIP ●
3324 HECKMAN IRVIN J ● 223-7570
3328 RYAN CONSTANCE MRS ●
223-3404
3333 SHUTES GENEVIEVE A MRS ●
222-8525
3340 ROMANI VITO J ● 223-1711
3343 BERAN CLAYTON A ● 222-9747
3353 WEST JAMES H ● 223-8027
3360 VACANT
3363 REPPERT MARY E MRS ●
223-7068

39
HARBOR VIEW PL -FROM 821 HARBOR
VIEW DR SOUTH

825 CARRINGER LYLE L ● 224-5652
854 PEARSON HARRY R 223-6088
867 GIDDINGS DONALD W ● 223-6430
874 VACANT
881 PATRICK CHARLES W ● 223-6317
891 WILLSON JAMES D ●
898 DOYLE BLANCHE B MRS ●
224-5362

143
HARCOURT DR -FROM BANTAM AV SOUTH
1 EAST OF MARATHON DR

2396 STEVENS WALTER R ● 277-4776
2402 ROE ANTHONY ●
2412 DODD JAMES H ● 277-4994
2415 BITZER RICHD C ● 277-0197
2422 SESMA RAMON A ● 279-2511
2425 BEIRD MILTON L ● 278-2079
2432 PEARSON HARRY L ● 278-2090
2435 MARTIN DONALD E ● 278-9177
2442 MYTYS JOHN S ● 277-1350
2445 BACK RICK A
2452 RODGERS JAMES E ● 278-2091
2455 REED BRUCE T ● 279-2949
2462 BONESTEEL HOWARD M ●
277-2592
2465 HOEFER ROBT G ● 278-2271
2472 DAVIS THEO W ● 278-8232
2475 MILLER ROBT K ● 278-1513
2482 MC CORD HENRY H ● 278-2092
2485 JOHNSON L M ● 278-1692
2492 ERICKSON MAYNARD C ●
278-6699
2495 CROWE DONALD E ● 278-1915
2510 HESS WM M ●
2530 PAUL WM K ● 278-0675
2560 STRAHL IRA E ● 278-1759
2565 DOVER WM W ● 277-6355
2570 ODELL W C
2580 LUSZCZAK JOSEPH 277-6637
2590 BLAND SHELTON C ●
2601 GUTOWSKI JAY P ● 278-1616
2611 CHERWINK JOSEPH W ●
2612 WHEELER DENVER L ●
2621 CHEE THOS A ● 279-3497
2622 HEATHMAN JOHN H ● 278-5033
2631 KARDASH RICHD J ● 278-9746
2632 HERRMANN JOHN ● 278-1615
2641 JOHNSON P E 278-6116
2642 GINTER WALTER J ● 278-1601
2651 ADERHOLD JON R ● 277-1502
2652 DOREMUS JOSEPH ●
2661 HULL DON L 278-0022
2662 BOLWERK JAMES M 279-2996
2671 GAY HUBERT H ● 278-2234
2672 GERSTNER RAYMOND C ●
278-2982
2681 KERTSON ROLAND E ● 278-1618
2682 MAYER LESLIE I ● 277-2474
2691 DE BERNARD JOHN L
2692 SOSTRE GUS R 279-3839

44
HARDING AV -FROM S 37TH ST EAST 2
SOUTH OF IMPERIAL AV

3704 WALKER JAMES W REV ●
262-7491

3714 VACANT
3717 DUTRA CHARLES ● 264-6683
3718 VACANT
---MILBRAE ST INTERSECTS
3720 CLAYTON WALTER ●
3728 PRYOR WILLIE A ● 264-2304
3736 SPIKES GABE ● 264-8479
3750 BEENE OLLIE B ● 264-1318
3751 SMITH VAUGHAN D 264-2433
3752 VACANT
3760 DAVIS CARL L ● 264-1431
3770 CARTER ROBT 262-9487
3778 COTTINGHAM WM 264-3661
3792 MARTIN JAMES ● 262-6705
---S 38TH ST INTERSECTS

168
HARDY AV -FROM 55TH ST EAST 1
NORTH OF LINDO PASEO

5505 VACANT
5524 GUDITH ROY E ● 583-8960
5525 BARAD HAROLD ● 582-2576
5544 NUSBAUM ISADORE ● 583-3410
5545 SHELDON JOHN 582-6932
5564 LODGE CHESTER 582-8901
5565 NOORANY IRAJ J 286-2349
5584 BYRNES RALPH E ● 582-1705
5585 QUIMBY JOHN W ●
5605 DEVIN DAVID E ● 582-2475
5606 BROWN EUG P 583-7209
5625 CAMPBELL NELLIE L MRS ●
582-1543
5630 URBAN HARVEY J ● 582-5543
5645 VAN HORN IRVING H JR ●
5650 DUNCAN SHARON L 286-3138
5665 CLEM RICHD T ● 583-0434
5675 VACANT
5689 MINYARD WM C ● 583-2566
5702 THETA CHI FRATERNITY
582-9800
5703 NO RETURN
5705 BEITNER CARL ● 582-6007
5706 ALPHA XI DELTA SORORITY
583-9969
JOHNSON MICKEY MRS 583-9969
5707 RICHARDSON ROBT W ● 582-6096
5719 HODGE GLADYS ● 583-3444
5711 SCHILBE LLOYD J ● 583-9644
5712 SIGMA PHI EPSILON FRATERNITY
582-1449
LACY JOHN R 582-1449
5715 CLARKE HAROLD L ● 582-8240
5716 ZETA BETA TAU FRATERNITY
583-3663
KAPLAN DENNIS 583-3663
---CAMPANILE DR INTERSECTS
5814 APARTMENTS
1 BECK ROBT 583-9617
2 WORTH HELEN C MRS
3 LOPEN HUMBERT A 582-5693
4 ECHANOVE CARLOS
5 STAUFFER JAMES
6 REES SANDRA 583-0048
7 VERMA D T 583-9343
8 COVINGTON ROBT
STREET CONTINUED
5819 PERRINE DAVID
5828 CRITCHLOW PETER
5830 HEMMINGWAY GEO 583-7541
5831 KAPLAN OSCAR J ● 582-0080
5832 CUTLIP GARY C 286-2851
5834 GEIB ROBT N
5836 GRZELEWSKI TONY
5838 BARNES LINDA S ● 286-1818
5840 HORD PETER
5842 NO RETURN
5843 PRYOR FRANCIS J REV 582-0869
5844 CRAWFORD SALLY
5846 HAIR STANLEY V 583-7067
5852 HARDY APARTMENTS APTS
5850 BEACHLEY WAYNE L
5852 QUIGLEY GENE
5854 ROBSON BRIAN
5855 NEWMAN CENTER YOUTH ACTIVITY
HALL 583-9181
STRALING PHILLIP F REV
583-9181
5856 REAY LAWRINDA D
5858 DANIEL DENNIS
5860 GENTRY MILDRED
5862 DOWDEN RUTH
5863 LUTHERAN CAMPUS CENTER
RELIGIOUS ORGANIZATION
583-3972
5864 PERRY PAMELA
5866 FREEMAN PRESTON
5868 LYMAN BETTY 583-3082

JARVIS ST 1966

57
JANNEY CT -FROM BURTON EAST 2 NORTH OF GLIDDEN

6821 PERRY JERRY C ● 278-9634
6822 HINOJOSA LOUIS 278-5232
6831 LYONS SAM ● 277-1771
6832 VACANT
6841 BARRERA JAMES R 277-1769
6842 MONTOYA LARRY GENL CONTR ● 278-7527
6851 LAWSON ROY B ● 277-2251
6852 WEGIMONT LOUIS J ● 277-3677

147
JAPPA AV -FROM MELISA WAY EAST SOUTH OF JICARILLO AV

3214 ENGLISH THOS ● 273-0275
3215 VACANT
3225 PERRITT BIRTUS D ● 273-0844
3234 RAINS NORMAN M ● 273-3349
3235 ALBRECHT ARTHUR H ● 273-3626
3245 SARVIS ALVA T ● 274-4881
3246 LIRA FERNANDO G 274-5359
3255 SELLARS JOSEPH E ● 273-3882
3256 GAINES ROBT H ● 273-2208
3265 PROFETA MICHL A ● 273-1183
3266 BAUMGARTNER SOPHIE MRS ● 273-0031
3276 RYZDYNSKI EDW 273-4613

35
JARVIS ST -FROM 2 SOUTH OF 1670 ROSECRANS NORTHWEST

2806 NO RETURN
2809 LOVE MARG A
2810 HAYWARD CHARLES A
2811 PRESCOTT JAMES
2812 ROBERTSON WM J JR 224-1389
2815 PECK DOROTHY
2817 LACKO JOHN M 222-9319
2818 VACANT
2819 VACANT
2820 VACANT
2821 NUTTALL HARRY
2822 ELLIS HAROLD R
2823 STEINSIEK EDNA MRS
2825 JACOBS BESSIE C MRS 222-9303
2827 EVANS JOSEPH
2829 MC KAY KATHLEEN MRS
2831 BESWICK ALMENA MRS 224-5707
2836 MOJICA VICTOR J 222-4198
2838 BENOIT DON W 223-6304
2840 CABALES EDMUND R
2842 BUSTRA BENJ L 223-0349
2843 LEE APARTMENTS
1 BOYER GERALD
2 VACANT (APTS 2-6)
7 HOLLIDAY GARY
8 JAMES CARL L
9 DUNCAN DAVID
10 VACANT
11 LE CORNO JOHN
12 VACANT
14 DOWNING ROY
15 VACANT
16 ADAMECK RICHD
17 LAMB KENNETH
---SCOTT ST INTERSECTS
2901 MITCHELL ALVIN ●
2902 VACANT
2904 FELICIANO TONY
2906 COOPER EDITH MRS
2908 MLINAC THOS J 222-7110
2911 ANDRADE MARY G MRS ● 222-8136
2912 DONNELLEY LAURA E MRS
2913 GRILL JOAQUIN 222-0069
2914 JONES BETTY
2916 ANDREW WESLEY A
2918 VACANT
2919 CURRY MELVIN E ● 222-6295
2931 YETTER ELMER ● 224-5570
---ROSECRANS ST INTERSECTS
3010 AMES ROSE J MRS 222-6165
3019 GIN HONGKOH
3020 SANCHEZ RALPH G 224-3889
3023 KEITH WM M
3025 KELLY WALLACE M
3027 ANTO EMEDENO 222-7583
3028 VACANT
3029 SABATINI DOMENIC ● 223-1742
3035 DUVALL HOWARD E 222-2192
3036 ROMERO LUCIA MRS 222-8362
3037 SANTOS AMADEU L
3045 KUKLINSKI JOHN W ● 223-7330
---LOCUST ST INTERSECTS
3103 VACANT
3104 BANDT WALLACE W 222-0634
3105 REYNOLDS AL J
3107 MASON FRANK E
3109 VACANT
3110 SOUSA JOSEPH 223-6644
3110½ VACANT
3111 VACANT
3112 GOODMAN EDW 224-1991
3113 THOMPSON CHARLES R
3120 ROBERTSON WM G ● 223-5627
3121 RANIERI JOSEPH ● 223-0335
3127 FURUYA GEO ● 224-5201
3128 LIRA RAUL P ● 223-6173
3135 JARDIN MARY T MRS 222-3553
3136 SMITH MABEL L MRS 223-0978
3146 SILVA MANUEL J ● 223-7513
---EVERGREEN ST INTERSECTS
3204 QUARESMA MANUEL F ● 222-5361
3207 NUNES MAURICIO F ● 222-9474
3212 FELICIANO JOSE ● 224-1319
3219 PLACIDO ANTHONY P JR ● 222-2627
3220 PRICE CLIFFORD 222-1798
3227 SANDKE WM K ● 222-7524
3228 COSTA JOAO 222-9372
3838 BENOIT DONALD
---WILLOW ST INTERSECTS

254
JASON ST (PO IMPERIAL BEACH)-FROM TRANSIT AV E 1 S OF IONIAN (FOR OCCUPANTS SEE SUB DIRECTORY)

265
JAVIER ST -FROM DOLIVA DR WEST 2 SOUTH OF CLAIREMONT MESA BLVD

5218 MAXEY JOHN M ● 278-5326
5219 MC CAY LANCE W 278-8727
5232 LYONS JOE B
5233 ASLIN PAUL ● 278-1479
5246 OTT JOHN N ● 279-0443
5247 WOOD WM G 279-3723
5260 MYHRVOLD KNUTE ● 278-1477
5261 HUBBARD RONALD F
5274 NO RETURN
5275 LANE ELVIS W ● 277-3268
5279 VACANT
5289 KILPATRICK JAMES ● 278-1041
5290 DONALDSON JOHN R 278-2945
5305 WAY WILLARD 277-1328
5308 RICH ALF L ● 278-2657
5319 SAYLORS JACK O ● 278-2144
5322 VACANT
5333 VACANT
5336 FRIDDLE MARY LOU ● 279-0168
5347 CANALES MIKE A ● 278-7334
5352 JOHNSTON FRANKLIN ●
5361 LANGE DUANE N ● 278-2954
5366 WHITNEY JOHN R ●
5373 VACANT
5375 PITTENGER CHARLES A ● 278-0368
5378 KAMIENSKI GERALD P ● 278-4987
5390 HARDWICK JERRY L ● 278-2905
5391 HILL JAY ● 279-2197

248
JEAN DR -FROM MIRACLE DR SOUTHEAST 1 NORTH OF ADAMS AV

4704 BOLDRICK WM T ● 583-5768
4720 WIGGINS FLORENCE E ● 583-5732
4725 REYNOLDS JEAN MRS ● 583-5698
4728 PARRY GEO S ● 583-5950
4740 THOMAS DONALD
4741 SWENSSON JOHN A ● 583-5490
4748 MC FEE RICHD
4751 BUDZILKO FELIX D ● 583-4949
4758 WOLFE N EVA ● 583-5520
4804 MABEE LARRY G 583-6796
4807 BOWERS BLANCHE R MRS ●
4814 WINKLER FRANK C ● 583-4118
4826 DALE WM H ● 583-5258
4829 RORIG FRED ● 583-8374
4834 MC GOVNEY HAROLD A ● 582-0952
4846 DIEHL DOLORES 583-2626

178
JEFF ST -FROM 3900 COLLEGE AV EAST 2 SOUTH OF UNIVERSITY AV

6206 DI GIUSEPPE FRANK P ● 583-1956
6218 SERNA MARY A MRS ● 583-2218
6230 BONAR IVAN E ● 582-8063
6235 ZADOROZNY MORRIS 286-3146
6240 JONES DAVID C ● 582-5733
6248 AVERY WM H
6251 TERRY HERBERT A ● 582-0297
6260 RINKS EDW E ● 583-6768
6261 BISHOP ROY C ● 583-7045
6268 NEWELL WM A ● 582-7014
6269 RONAN JOHN T ● 582-0404
6280 HAMMOND WM B ● 583-0233
6281 FENWICK JOHN T 582-1496
6286 REINHOLZ JOSEPH M 583-7228
6289 ASPEGREEN GRACE MRS ●
6294 ABBOT RAYMOND L 286-0698
6295 FOX CLARENCE ● 582-3478
6303 WAGNER CARL A ● 582-6909
6304 SARDINA SPERIDIONE 582-9305
6310 LA PLANTE FRED C ● 582-3275
6311 SPRENKLE DORIS B MRS ●
6316 KING JOHN C ● 583-3668
6317 TAYLOR JEANNE A MRS ●
6322 VAN KIRK JOHN W ● 582-5979
6323 KRAUSS WALTER P 582-8214
6328 ALLISON JUDGE W ● 582-1501
6329 DE COSTA JAMES A ● 582-4632
6336 SHADER FRED ● 582-0064
6337 WALDRON JOHN P ● 582-0608
6342 HARPER EUGENE M ● 582-7280
6343 SHAW JOSEPH W ● 582-2857
6348 VACANT
6349 MAVING MARGT MRS ●
6354 VALDEZ CARLOS A 582-0088
6355 VEGA RAUL ● 583-1614
6360 LUTZ STEVEN
6361 SKOGLUND WILLARD H ● 583-1890
6366 SHULT ROY E ● 582-8263
6367 KUNKEL JOSEPH W ● 582-3116
6372 GILAS GENE S ●
6373 COLEMAN OTHA R ● 582-0421
6378 MARTIN JAMES L JR ● 583-8782
6379 KANEFF EUGINI MRS ● 583-8587
6384 DORSEY JOSEPH P 583-6807
6385 MARONEY REX ●
6390 BOWERS KENNETH E ●
6391 CLEMENCE ARTH G ● 583-3265
6396 URSINO ANGELO M ● 582-6415

232
JEFFERSON AV -FROM WEST OF TERRACE DR EAST 1 NORTH OF ADAMS AV

23
JEFFERSON ST -FROM 3900 WITHERBY NORTHWEST

2326 LE CLAIR ALBERT C JR 298-3319
2328 VACANT
2330 GARZA DORA MRS
2332 ZEMSKI DAVID
2334 VACANT
---AMPUDIA ST INTERSECTS
2340 APARTMENTS
1 FULLER RAY D 297-2040
2 NEWMAN TERRY
3 WHITE RAYMOND
4 SAMCOE SHIRLEY MRS
5 BARR IRMA MRS
6 VACANT
2341 DOBSON JAMES J 295-7559
2371 HERRERA GEO J ●
2377 ANHOLZER EDW H 298-2241
2383 LOPEZ LEON
2385 HAMILTON EUG
2387 NEWMAN RALPH H 295-5716
---ARTISTA ST INTERSECTS
2405 HERNANDEZ FRANK Z ● 295-7434
2425 MARTINEZ ALBERT ●
2427 WOLNER MARLENE MRS
2429 VACANT
2435 VACANT
2437 ORTIZ ELIAS ● 296-4934
---CONDE ST INTERSECTS
2451 RUBIO RALPH
2452 GALLAGHER JOSEPH ● 295-2554
2455 LAWRIE ALICE M MRS ● 295-6773

TP	Adjoining	Source
-	✓	R. L. Polk & Co.

KEATS ST 1966

KEATING ST--CONTD
APARTMENTS--CONTD
2 DYSART WM E 296-2864
3 ZALOUDEK RICHD E 298-2075
4 JAMROG NORBERT J
5 RAWLINSON DAVID A 296-2256
6 VACANT (APTS 6-7)
8 PRYOR JAY A
9 CLEVENGER RONALD L
10 DARK JACK R
11 KOENIG HAROLD S
12 RHODES BLAKE S
3740 VACANT
3746 STOCKMAN ROBERTA M MRS
3754 ERICKSON JOHN W
3765 COOPER H RONALD 296-4205
3767 CAMERON DONALD A ● 295-4744
3776 MOORE DONALD J 295-2517
3778 MC GINTY ROBT M
3780 MELTON LARRY D 291-1184
3782 VACANT
3784 PIACENTE ANN M 298-8940
3786 FLETCHER EDW M
3812 CANYON CREST APARTMENTS 298-7097
A MROZKOWSKI GEO E 298-8950
B VACANT (B-C)
D INNELLA MICHL J
E VACANT
F KIRCHHOFF JERRY L
G DURST KELLNER
H SPOTILA WM R
I VACANT (APT I-J)
K SHETTLER WM R
L WALSH EUG C
M SERR CAROL S MRS 298-7097
3871 ROGERS HAROLD E ● 298-6023
---TORRENCE ST INTERSECTS

35

KEATS ST -FROM 2 BLKS SOUTH OF 1600 ROSECRANS NORTHWEST

2810 KEATS MANOR APTS 222-9342
1 VACANT
2 PAGLIA WM
3 PRICE DAVID
4 SUTTER ARLEEN M
12 MC INTYRE JACKQUELINE
14 SARTORI HOWARD
15 ROBERTS ZONNA MRS
16 MC COY VESTINA MRS
2811 KILGORE EVAN A 222-2118
2812 APARTMENTS
5 BURROWS WM G JR 222-9342
6 BOYD CALVIN
7 BYRON GEO H
8 PRICE ANN
9 VACANT
10 JONES WM
11 SIRAND MONIQUE
2823 RANSOM DONOVAN JR 223-7228
2826 CASA VERDE APTS 222-1264
GAVIN RICHD
2826½ HOUGH JAMES
2827 LONG ENID F APARTMENTS 223-7064
1 HOFFER RUTH MRS
2 NAGEL ALLEN
3 BORGER JACK
4 VACANT
5 LEWIS JAMES B
6 STROMBERG JOSEPH
7 LONG ENID F MRS 223-7064
2828 GLEASON JOHN A
2828½ CRAMER SANDRA
2830 FISHER ASTRID A MRS
2830½ TODD MARY E
2832 OSMONDSON MARGO MRS
2832½ FITZSIMMONS WM
2834 MC ARDLE JOHN P
2834½ GALLAWAY GEORGIA
2836 STONE CLARENCE E 224-3059
2836½ CARLSON STEVEN G
2838 VACANT
2840 WALLACE ROBT B 222-3468
2844 LEGER ALAN H
---SCOTT ST INTERSECTS
2905 MOJZIS EMIL 222-4638
2909 POINT LOMA PLAY SCHOOL 222-9111
YARNELL LOUISE H MRS ● 222-9111
2919 ADAMS LUCILLE L MRS ● 223-8013
2929 ESSAYIAN ISABEL N
2933 CORNEJO GOODFREDO L 222-3564
2935 MORAL DEMETRIO A
2937 GELERA PAULINO O 222-9601
---ROSECRANS ST INTERSECTS
3021 JOHNSON VICTOR A 222-3671
3027 DE SILVIA AMELIA MRS ● 223-7270
3035 KUKLENSKI STANLEY 222-4503
3045 VARGAS MARIO 222-6144
3047 ACKERMAN EVA L MRS 224-2188
---LOCUST ST INTERSECTS
3105 FARINHA VIRGINIA MRS ● 223-5003
BROWN FRED W
3111 GARCIA ALF ● 222-8225
3112 GONSALVES MANUEL G 223-9073
3114 SALBATO RICHD P 222-3347
3114½ VACANT
3116 VACANT
3116½ DOXSTADER HELEN M MRS 222-6910
3119 COSTA FREDK L ● 223-6598
3120 SWEET THEO R 222-0939
3125 GOMES MANUEL M ●
3126 BURRIS WAYNE E
3127 NO RETURN
3128 VACANT
3134 GONSALVES JOAQUIN 222-6849
3135 SOARES FRANCISCO C ● 222-7401
3136 SMITH LEONA MRS
3143 LIRA MANUEL P ● 223-7701
3144 VACANT
---EVERGREEN ST INTERSECTS
3204 JONES WM B ● 223-5503
3205 NUNES DOMINGOS F ● 222-6713
3211 DALUZ JOE M 223-1025
3212 FERNANDES ROSALINA MRS ● 224-1919
3219 SANGER DOROTHY G MRS ● 222-9368
3220 ANTONIO FRANCISCO ● 222-2780
3227 NARAGON GLADY P ●
3228 LYERLA ARTIE E ● 223-8301
3236 CRONE GRADY A ● 223-7031
---WILLOW ST INTERSECTS
---PLUM ST INTERSECTS
3418 WEDGE HOMER C ● 223-8959
3419 NASCIMENTO MANUEL A ● 223-8813
3427 STEPHENSON JOSEPH A ● 222-7222
3428 MOORE ROBT E ● 224-2320
3440 DAVIS WARREN H ● 222-6001
3441 DELANEY PAULINE E MRS ● 222-3412

46

KEELER AV -FROM 42D EAST BETWEEN NEWTON AV AND BOSTON AV

4201 DUCKWORTH THEO G ● 262-2771
4204 MC FARLAND ROLAND 264-0916
4206 CRAIN LUDY 264-1662
4208 VACANT
4211 SAWASAKI TAKASHI ● 264-5636
4212 VACANT
4213 SAWASAKI TOMO MRS ● 262-1870
4214 VACANT (4214-4220)
4221 EVANS NATHAN 264-1771
4222 CARLISLE MAY
4230 GRAVES GUY J ● 264-4014
4231 VACANT
4233 VACANT
4236 VACANT
4238 VACANT
4244 HENDERSON ANNIE L MRS

56

---43D ST INTERSECTS
4316 WILSON LEON J 264-7373
4317 COREY GORDON H ● 264-2240
4322 HALL ODESSA MRS 264-5149
4325 ROSS IVA A ● 262-1552
4328 RICCA EDW E ● 264-5712
4331 MEALS ELIZ MRS 264-1866
4338 DICKENS WALLACE ●
4339 FORTENBERRY JEROME JR ● 262-2140
4343 JONES J C ● 264-1645
4346 BURKETT W J ● 264-2417
4352 JAMISON ISAAC C ● 262-5588
4355 MARTHIS HATTIE A MRS ● 264-3051
4360 SMITH RICHD C ●
4363 MITCHELL MADELON MRS 262-1924
4365 PALMER JAMES S 264-1732
4368 BARKER STACEY ● 262-6915
4379 BURKS JAMES A 264-6408
4382 CARTER JIMMIE LEE ● 264-7912
4385 VACANT
4386 VARNER ROBT L ● 263-1630
---44TH ST INTERSECTS
4404 BROOKS WILLIE ● 262-8812
4405 NO RETURN
4409 WORTHAM ELENETA MRS 262-8466
4415 CAMPA ROBT M ● 262-6217
4416 CANNON HENRY W ● 264-6113
4421 MC ELVAINE NORMA J ●
4422 CORTEZ ISABEL MRS 262-2164
4422½ VACANT
4425 DE ROUEN THOS M ● 262-5752
4428 MATTHEWS CHARLES A ● 262-1346
4433 WOODS HERMAN ● 263-1884
4434 BLACKSHIRE HAMON ● 264-5914
4439 WATSON JOSEPH E ● 262-6814
4440 PARKER JOHN W ● 264-4522
4445 MARTIN PAUL 264-7303
4446 MC KNIGHT WM A ● 262-6091
4453 WALSH CHARLES T ● 264-7408
HOOKER NECOLIOUS 264-7408
4454 MAYFIELD JAMES ● 262-6387
4465 DUGGAN JEREMIAH J ● 264-1850
---45TH ST INTERSECTS

180

KEEN DR -FROM CALLE QUEBRADA SOUTH 1 EAST OF KAUSMAN

2595 VACANT
2601 MAXWELL THOS A 479-3720
2602 DULAC ARTH F ● 479-5080
2610 WILSON B D ● 479-3323
2611 VACANT
2620 HENRY WADE H ●
2621 EASTER HAROLD G JR ● 479-0179
2629 BECKSTEAD RICHD ●
2632 WATSON KENNETH W ●
2637 OREAS DONALD R ● 479-5720
2640 EVASICK EDW J 479-5623
2645 JONES JOSEPH C ● 479-5810
2648 BROOKS ERNEST W ● 479-0321
2653 THORSELL GEO E ●
2656 VACANT
2659 TORGUSON ALAN W ● 479-0525
2664 SARRIS FRANK J ● 479-0531
2667 KENDALL MAYARD T ● 479-3628
2672 RELPH KEITH M
2675 MC CORMACK JAMES H ● 479-5020
2682 REEVES ROBT J 479-3021
2683 FEILEN PAUL F ● 479-3411
2692 NAJERA OSCAR REV ● 479-1690
2693 ROBINSON JAMES C 479-4064
2702 BARRY GEO H ● 479-4342
2703 MARTIN LEE R ● 479-1882
2710 BERRY WM C ● 479-5679
2711 HART HOWARD F ● 479-3826
2718 HUBBARD ARTH C
2719 VACANT
2726 WASHINGTON ROBT W ●
2727 VACANT
2734 CORDER JOSEPH T ● 479-4876
2735 SEBASTIAN ROY W ● 477-6603
2743 RHODES RAYMOND 479-5158
2751 FAIN R J 479-0284
2801 SLOAN PAUL R JR ● 479-4573
2802 CONNORS WALTER J ●
2809 ROTAN EDW K ● 479-3202
2812 BROWN AVERY L ● 479-4736
2819 GALINDO JOSEPH M ●
2822 LARA STEVE C ● 479-0124
2827 DRAPER LILBOURNE E ●
2830 MILLER ELLIS W ● 479-0978
2835 CLAY JACK A JR ●
2838 SULLIVAN RUSSELL L ● 479-4228
2843 POTEET WM D ● 479-4998
2846 WILLIAMS LLOYD ● 479-5974
2851 BRUNDAGE JOHN E ● 479-4264
2854 COATS RALPH S ● 479-3603
2859 HAUGEN GUSTAV A ● 479-5033
2862 WILKINS EDW G ● 479-0907
2867 ROSTODHA PHILIP ● 479-2833
2875 FREESE DALE L ● 479-2173
2883 LEE CECIL H ● 479-0411

234

KEENEY ST -FROM EL CAJON BLVD NORTH 1 EAST OF 73D

4997 DAVIS GLADYS E MRS 466-5319
4999 LARSEN JULIETTE MRS
5003 JENNINGS TED F ● 463-8105
5025 VACANT
5030 MILES DAISY M ● 465-9729
5030½ CUTTER BETTY MRS
5034 SEAMAN RUSSELL A 469-5542
5036 PLUMMER JAMES E 469-9665
5037 WALLACH CATH U MRS ● 465-3074
5039 VACANT
5041 VACANT
5055 MASTRO GERALD J 466-7384
5056 HOFFERT VICTOR F ● 466-5658
5061 BEYER WM S 463-7043
5084 ELMENDORF DAVID G ● 466-3570
5090 WALKER ALBERT F ● 463-4720

182

KEIGHLEY CT -FROM KEIGHLEY ST EAST 1 SOUTH OF FONTAINE

7007 PETERSON DAVID H ● 286-0076
7010 SHOBERG CLIFFORD A ● 286-3396
7017 WESTON FRANCIS A ●
7020 VACANT
7027 LAFFERTY MELVIN K ● 286-2283
7030 SULLIVAN KINGSLEY L ● 286-3837
7037 EGGERT JOSEPH M ●

SHAFTER ST 1966

SHADOWLAWN WAY--CONTD
3120 KOVACEVICH DINKO A ● 223-8880
3121 MERKEL HERBERT A ● 223-7776
3130 WETHERILL G GAGE ● 222-8327
3136 HOUSER OLIVE M MRS ● 223-3680
3141 LOWRY HENRY C ● 222-8578
---N EVERGREEN ST INTERSECTS
3204 BERNDES AXEL E ● 223-0721
3224 SLATERY J MICHL ● 223-0203
3234 HOSICK JAMES L ●

237
SHADYGLADE LA -FROM 154 CORALWOOD DR NORTHEAST 2 NORTH OF BROOKHAVEN RD

7602 JACQUES WM P 479-5469
7614 BARTLETT BASIL I 479-2982
7626 DU BOIS GROVER ● 479-2960
7627 ESPINOZA JORGE L ● 479-1614
7638 MC DONALD LONNIE M 479-2617
7641 CARMAN JOSEPH W ● 479-2664
7650 LUCATUORTO NICK ●
7653 VACANT
7662 VACA MARIO ●
7671 VACANT
7674 HOLLWEDEL WM S ●
7683 BRUNTON WM ● 479-2717
7686 ROMINE VERNON ●
7693 CLARK JOHN G ● 479-2304
7696 STEWART PAUL ●
7701 RODGERS FRANK JR ● 479-5331
7702 DELIA LOUIS R ●
7711 NICHOLS JOE H ● 479-2811
7712 BABIN JOHN ●
7722 STINSON JOE ● 479-2738
7723 BENAVENTE JESUS ● 479-2761
7732 CROCHETIERE ROBT A ● 479-2515
7733 BENAVENTE MARIA MRS ●
7742 ELLIS JAMES E ● 479-0184
7743 BELLINGER JOSEPH ●
7752 VACANT
7753 BROACH WM 479-0248
7762 LAMB CARL M 479-0106
7767 NEVAREZ JOSEPH T ● 479-2180
7772 DUHON ROBT J 479-2805
7779 ROIZ HENRY ● 479-3633
7782 SMITH GERALD N ●
7791 GONZALEZ ALF G ● 479-2748
7792 GARCIA VALENTE ● 479-5316
---ARROWOOD AV INTERSECTS
---MEADOWBROOK DR INTERSECTS

237
SHADY OAK RD -FROM 396 NORTHGATE SOUTH TO BROOKHAVEN RD

119
SHAFTER ST -FROM TALBOT NORTH 2 EAST OF 1070 ROSECRANS

1055 HEWLETT-PACKARD CO (NEELY SALES DIV) MFRS AGT 223-8103
1067 BROWN VERNON M INS 224-3393
1071 WYATT FRANK K MARINE SURVEYOR 223-8167
1229 MELONE ALBERT L BOAT COVER MFRS 222-2694
1231 VACANT
1233 VACANT
1237 VACANT
1618 VACANT
1620 VACANT
1622 CARROLL DANL P 224-5285
1662 VACANT
1672 VACANT
1674 PAUGH CARL 222-5097
---LOWELL ST INTERSECTS

202
SHAMROCK ST -FROM 1 BLK SOUTH OF SYCAMORE NORTH

2303 MHOON WM W ● 281-4457
2309 SWAIN R W 284-6107
2310 BRIZENDINE G EDW ●
2314 WILLIAMS WM H ● 281-9845
2315 NO RETURN
2320 SZIKSZAY STEPH 281-2656
2323 STAEDELI JERRY H ● 281-9644
2324 STAUFFER PAUL 281-3871
2331 GRIFFITH RAY H 283-3040
2332 BEHLMAN RAY D 283-5050
2333 GILL JACK C
2335 HOOYEN PETER J ● 283-3397
2342 WINTERSDORFF PETER 281-5197
2345 ZYGAR EDW ●
2348 VAN KAMPEN NEAL ● 281-8620
2351 ROPER ROBT H ● 281-6075
2357 RICHARDSON FRED ● 284-6892
2403 CASNER JOHN ● 283-4798
2404 HILTON LOREN G 283-3698
2407 JONES GEO L ● 284-2005
2409 VACANT
2410 VACANT
2413 DUSCHEL CARLES C JR ● 281-0118
2416 BENDIXEN MARGT J MRS ● 282-7707
2422 BISHOP MAGGIE MRS 283-8343
2424 BISHOP OSCAR M 283-8146
2428 CAIN BERT W ● 284-9756

176
SHANE PL -FROM LA DONNA DR WEST 1 SOUTH OF RICARD

6401 WORDEN JOHN L JR ● 583-4316
6404 PETERSON RICHD 582-3430
6409 HUTH ROBT D ● 583-6590
6417 LUTZ JIM C ●
6420 FURLOW BERNICE MRS ●
6425 MONSON HAROLD R ● 583-1680
6433 MARK MELVYN H ● 583-4913
6440 SCHOONOVER FREDK ● 583-1149
6441 LARSEN HAZEL R MRS ● 582-3058
6449 NO RETURN
6457 VACANT

148
SHANNON AV -FROM 4800 ROLAND BLVD EAST 1 NORTH OF SOLITA AV

6600 BURKE JAMES W ● 583-3897
6606 WALSH PAUL J ● 582-8454
6610 FRAZIER JAMES R ● 582-5632
6620 SIMMOUS WARREN A ● 286-0758
6630 CHAMBERLAIN EDGAR J 582-1665
6633 NADEN STANLEY W ● 582-2173
6640 JOHNSON RANDALL ● 583-6962
6650 FINK FREDADA M MRS ● 582-5714
6660 FOLTZ CHARLES J ● 582-1902
6670 KARPINSKY NICHOLAS C ● 583-1793
6675 FOURNIER JAMES P ● 582-4009
6701 LAY MARJORIE J ● 579-9673

146
SHARRON PL -FROM SOUTH OF 5600 TROJAN AV NORTH

---VALE WAY INTERSECTS
4216 NOVIDOR ISRAEL E ● 582-1461
4224 JUNGBLUT JOHN R ● 582-0916
4232 BOTTEN CAROL R ● 583-1009
PROVINCE DELBERT W ● 582-6227

79
SHASTA ST -FROM 1750 MISSION BLVD NORTH 1 EAST OF JEWELL

3754 WILLISON JAMES C
3756 LEVERNZ PAUL 274-4836
3776 CARROLL LENORE B MRS ● 274-2107
3778 BAY VIEW APARTMENTS
1 JOHNSON TOMMY 273-8888
2 STREITZ SALLY M MRS ● 274-1126
3 WERNER HUGH 273-0865
4 ELLERBY CLIFFORD
5 HIGGINS VIOLET MRS 274-1463
---LA PLAYA AV INTERSECTS
3803 NAKAJI NORMAN 274-3562
SCHROEDER CHARLES C 273-3504
3804 ROBERT HENRY C ●
3809 JOHNSTON W E
3811 KREPELIN EARLE 273-0982
3813 ESTABROOK ELLIS D 274-6536
3813½ NEALE DIANE 273-0477
3815 GRIMES REX B ● 273-3823
3816 STILLWAUGH WM ● 274-1109
3817 APARTMENTS
A ROBERTS CAROLYN 274-4540
B VACANT
C NICELEY PHILIP
D VACANT
3818 METHENY MARIE H 274-1746
SATTES CHARLES M
3819 ANDREWS RAY E ●
3820 RADOY CHARLES P ● 274-1458
3825 OBERDORF REAGAN 273-2795
3827 HUGHES ALBERT H 274-2986
3836 VACANT
3848 MARTIN FRANK P ●
3851 SMITH ORBIE H
3861 SCHULTE ALVIN W
3863 CAHOON JOHN E ● 274-4282
3869 VAN DER VEUR RUBY I MRS ● 273-3483
---ROOSEVELT AV INTERSECTS
3904 COLE ALBERT 273-0608
3922 BABKA EDW ● 273-9711
---FORTUNA AV INTERSECTS
4003 CHAMBERLAIN FLOYD J ● 273-8884
4009 VERRY MAUREEN
4011 PRAYTHER JAMES 274-7534
4015 COKER HOYT E 273-2563
4015½ VACANT
4016 VACANT
4016½ STRYKER GERALD W
4017 DUNN GEO H 273-0679
4018 BARBER F H
4020 SENOUR DOROTHY M MRS 274-3407
4021 GANNON RICHD 273-8081
4025 FRANCIS WM J ● 273-9013
4026 CLARK RAYMOND M ● 273-9662
4036 WILKIN JAMES
4052 PASTORE THOS C 274-0257
4062 BAKER DONALD S 274-6071
4069 GALLAHER ROBT N 274-7790
---CHICO ST INTERSECTS
---PACIFIC BEACH DR INTERSECTS
4074 LAFFERTY LEONARD ● 273-8338
4079 FREEMAN BRIAN

74
SHAULES AV -FROM 300 63D ST EAST

6308 RIDDEL BERTHA U MRS ● 264-1989
6365A GONZALES MABEL B ● 264-6411
6370 NO RETURN
6403 LUCIDI JIM
6404 ARNETT JOAQUIN E ●
6405 RODRIQUES DON ● 264-3314
6407 VACANT
6425 HILL GORDON A ● 264-3545
6428 FAVRO FRANK J ● 264-4160
6433 VACANT
6435 HUDSON ROBT C
6437 NEAL ROY E 262-5331
6439 CORBETT ALLAN M
6441 GRACEY DOUGLAS P 264-4919
6443 ABELN ROBT W
6445 WRIGHT MARGT V MRS
6447 SMITH FREDK P
6449 KARTCHNER RODNEY A
6451 VACANT
6453 LEONARD JERRY L
6454 ALKIRE ROBT V ●
6455 JONES DANL O
6457 GROGAN PATK
6459 ESLINGER DOUGLAS D
6461 SHRIVER DONALD E 264-7229
6462 COFFEY BENJ D ● 294-8247
6463 BENNETT GARY A 264-1465

180
SHAW ST -FROM RACHAEL AV NORTHWEST 1 SOUTH OF CUMBERLAND

5503 STOWELL BERTRAM M ● 477-1302
5504 ACOSTA IMELDA MRS ● 477-5952
5511 AGUNDEZ BERTHA O MRS ● 477-0317
5512 PICKERING VONNIE L ●
5519 ARDILLA TONY ● 477-0242
5520 WALKER DANNY ● 477-5204
5527 VACANT
5529 GRODEMAN LEONA ● 477-5587
5533 HOLDER ZEARL R ● 477-1411
5534 MALDONADO RAUL T ● 474-1845
5604 DEMPSEY DAVID L ● 474-5127
5605 ROWLAND HERBERT J ● 477-1616
5611 DOHT DELWIN E ● 477-2653
5612 STINSON ROBT J ● 477-8977

HARBOR DR N 1961

HARBOR DR E—Contd
Sampson intersects
2295 Richfield Oil Corp BE4-5171
Colton av intersects
2351 Standard Oil Co of Cal BE4-5111
2405 Cowan Jas E diesel engs BE3-3902
Fairbanks Morse & Co scale repr BE3-3902
Oil Filter Service Co BE9-6792
S 28th intersects
cor Natl Steel & Shipbuilding Co BE9-8061
2805 Harbor Drive Service gas sta BE9-6512
2865 Independent Paper Stock Co BE2-0596
2931 Drake Steel Supply Co BE4-0596
3375 City Utilities Dept (Sewerage Div Plant) BE9-9271

1B6
HARBOR DRIVE N—From intersection of Pacific hwy and Laurel west
3380 Aeroquip Corp aircraft pts CY5-5577
Crest Aviation aircraft dlrs CY8-7205
Havens Industries research CY8-0471
Airsupply Aero Eng Co CY8-1121
Garrett Corp aircraft sups CY5-4119
Institute of The Aeronautical Sciences CY5-5119
Thompson Ramo Wooldridge Inc aircraft pts CY7-4544
3386 SD Speed Boat Club CY6-9722
4904 SD Coml Fishing Boat Owners Inc AC2-1223
Lapacek Ernest
4960 Harbor Boat & Yacht Co AC3-3133
4975 Point Loma Lbr Co AC3-7111
5005 Point Loma Shores Mtr Lodge AC3-3194
Benjamin Donald A dance tchr AC2-1010
Berman Emanuel A real est AC3-3700
Fireside Bldg Maintenance Corp AC2-0092
Lareau Richd J archt AC2-0341
Worthington Richd E psychologist AC2-6655
5102 Point Loma Travelodge AC3-8171
5104 Sun Harbor Marina Inc boats AC2-1183
5135 Oriole Hector P
5137 Ackley Clarence A AC3-8472
5142 Vacant
5145 Oxx Marie L Mrs ◎ AC2-0861
5147 Sisack Wm
5147½ Niebecker Howard
5149 Miller Shelby J AC2-0770
5149½ Daugherty Dolores
cor Navy-Fleet Sonar Sch AC3-8141
Navy-Fleet Training AC3-8141
Lowell intersects

1B4
HARBOR DR WEST—From foot of Pacific hwy west, 1 south of W Market
905 Peoples Fish Co BE9-8158
915 SD Fish Mkt BE2-2095
925 L A Smoking & Curing Co BE3-1710
Stellar Fish Co whol BE9-7981
Union Fish Co whol BE3-1710
935 Camillo J J Brokerage Co sea food BE4-9189
Lower Cal Fisheries Assn BE4-9189
VanCamp Gilbert C Ins Agcy Inc BE4-9189
939 Goodman I A In slacks whol BE3-7128
945 Chesapeake Fish Co whol BE3-7524
Chesapeake Importing Co fish BE3-7524
955 Star Fisheries of SD whol BE3-8105
965 Vacant

1B4
HARBOR LA—From ft of Pacific hwy northwest along waterfront
402 Fire Tug Station No 16 BE2-8193
W Harbor dr ends

39
HARBOR VIEW DR—From 3100 Talbot av southwest
909 Perry Frank M ◎ AC3-8574
920 Hansen Clifford W ◎ AC2-8408
921 Toothaker Jas C ◎ AC3-7523
925 Bucher Mildred G Mrs ◎ AC3-8688
Harbor View pl intersects
936 Moran C Anthony ◎ AC2-7436
941 McConnell Mary Mrs
945 Shaffer E Evan ◎ AC3-5479
947 Vacant
950 Hanke Hal G ◎ AC2-4357
955 Hartley Paul J ◎ AC2-8343
959 Sullivan Frances Mrs AC3-6487
960 Dameson Louis G jr ◎ AC2-5125
965 Engberg Gunnar K ◎ AC2-8652
975 Meyers Bennett E jr
979 Green Chester A ◎ AC2-3013
3210 Ruhmland Jack H ◎ AC4-2257
Runnymeade la intersects
3221 Harding J C Almy ◎ AC2-8152
3229 Winters Georgia L Mrs ◎ AC3-9633
3235 Poyner Nile D ◎ AC2-3849
Marthinez intersects
3243 Garland R Hastings ◎ AC2-6059
3290 Criley David M AC2-4368
Golden Park av intersects
3308 Dale Geo P ◎ AC3-3094
3310 Vacant
3311 Zacker Larry F ◎ AC2-2690
3316 Caponi A Phillip ◎
3324 Heckman Irvin J ◎ AC3-7570
3328 Ryan Constance Mrs ◎ AC3-3404
3333 Shutes Genevieve A Mrs ◎ AC2-8525
3340 Romani Vito J ◎ AC3-1711
3343 Beran Clayton A ◎ AC2-9747
3353 McMillan Mark AC2-4534
3360 Bowman Robt W ◎ AC2-8606
3363 Reppert Mary E Mrs ◎ AC3-7068

39
HARBOR VIEW PL—From 821 Harbor View dr south
825 Carringer Lyle L ◎ AC3-5652
854 Pearson Harry R AC3-6088
867 Giddings Donald W ◎ AC3-6430
874 Schwidetzky Walter H ◎ AC3-7867
881 Patrick Chas W ◎ AC3-6317
891 Core Francis C ◎ AC2-6248
898 Doyle Blanche B Mrs ◎ AC3-5362

44
HARDING AV—From S 37th east, 2 south of Imperial av
3704 Cooke Zuella ◎ CO4-2296
3714 Duke Everett C ◎ CO2-5811
rear Duke Jack CO2-6446
3717 Dutra Chas ◎ CO4-6683
Millbrae begins
3720 Fuller Wm ◎ CO4-0560
3728 Pryor Willie ◎ CO4-2304
3736 Spikes Gabe ◎ CO2-6273
3750 Beene Ollie B ◎ CO4-1318
3751 Vacant
3752 Vacant
3760 Clark Effie A Mrs ◎ CO4-1431
3770 Reyes Adolfo C
3778 Bell Irma Mrs ◎ CO2-2579
3792 Martin Jas ◎ CO2-6705
S 38th intersects

168
HARDY AV—From 55th east, 1 north of Lindo Paseo
5505 Ledingham Wm G ◎
5524 Metcalf Fred A ◎ JU3-6581
5525 Barad Harold ◎ JU2-2576
5544 Nusbaum Isadore ◎ JU3-3410
5545 Grant Emery ◎ JU2-5923
5564 Lodge Chester R ◎
5565 Dillinger Kenneth A ◎ JU3-2584
5584 Byrnes Ralph E ◎ JU2-1705
5585 Quimby John W ◎
5605 Devin David E ◎ JU2-2475
5606 Brown Geo ◎
5625 Campbell Nellie L Mrs ◎ JU2-1543
5630 Urban Harvey J ◎ JU2-5543
5645 VanHorn Irving H ◎ JU2-3288
5650 Brown Hal W jr ◎ JU3-3851
5665 Clem Richd T ◎ JU3-0434
5676 Keller Jos L ◎ JU2-6856
5689 Minyard Wm C ◎ JU3-2566
5702 Theta Chi Fraternity JU2-2388
Swatzell Mike
5703 Vacant
5705 Beitner Carl ◎ JU2-6007
5706 Kappa Alpha Fraternity JU2-9819
Smith Geo H
5707 Richardson Robt W ◎ JU2-6096
5710 No Return
5711 Katz Jack JU2-5011
5712 Sigma Phi Epsilon Fraternity JU2-9805
Kamp Len
5715 Clarke Harold L ◎ JU2-8240
5716 Zeta Beta Tau Fraternity JU3-2220
Myers Mickey
Campanile dr intersects
5814 **Apartments**
1 Vacant
2 Worth Helen C Mrs JU2-7720
3 Vacant
4 Vacant
5 Vacant
6 Peck Wm G JU3-0712
7 Barnett Gary JU3-5235
8 Vacant
Street continued
5819 Stevens Geo A ◎ JU2-3744
5828 McAfee James L JU3-1207
5830 Vacant
5831 Kaplan Oscar J ◎ JU2-0080
5832 Collins Tom
5834 Geib Robt
5836 Grzelewski Tony
5838 Skinner Stan T JU3-2148
5840 Povenmire H King JU3-7368
5843 Pryor Francis J Rev JU2-0869
5844 Johnson James M JU2-8904
5846 Vacant
5850 Hardy Apts JU3-3831
Rambau Archie H
5852 Geiser Margt J Mrs JU3-5876
5854 Michaels Stanley J
5855 Bryan Margt A Mrs ◎ JU2-6176
5856 Frey Sal S
5858 Baker Jas JU3-7154
5860 Blevins Marvin
5862 Schombeau Edw
5863 Vacant
5864 Vacant
5866 Vacant
5868 Vacant
5863 Vacant
5870 Vacant
5872 Vacant
5874 Vacant
5876 Vacant
5878 Vacant
5880 Vacant
5882 Inyerd Roger
Plaza pl intersects
5924 Self-Serv Lndry JU2-1807
5930 Vacant
College av intersects
5934 Vacant

65
HARJOAN AV—From Murray Ridge rd east, 1 south of Chalar
8601 Golden Jos W ◎ BR7-6149
8606 Jung Shee Q ◎ BR8-2098
8611 Pringle Donald ◎ BR8-6727
8616 Hannahs Richd D ◎ BR8-6393
8619 Klusmann Chas F ◎ BR7-7752
8624 Miller Dale H ◎ BR8-4627
8627 Dennis Edwin L ◎ BR7-3930
8634 Haigh Arth A ◎ BR8-4726
8635 Dowdy Dale ◎
8642 Renne Bruce ◎
8643 Tomkims Louis ◎ BR7-9418
8652 Rosenthal Herman A ◎ BR7-8531
8653 Fujimoto Arira F ◎ BR7-3108
8662 Bannan Thos jr ◎ BR8-8483
8663 Singleton Ben S ◎ BR7-8953
8672 Boakes Wm H ◎ BR8-4551
8673 English Addison R ◎ BR8-5432
8682 Vacant
8683 Vacant
8697 MacLachlan Dorothy A ◎ BR7-1465
8698 Vacant
8791 Vacant

143
HARMARSH—From Annrae northeast, 1 south of Donzee
7901 Vacant
7903 Vacant
7905 Vacant
7907 Brown Jack R BR8-3407
7909 Snyder Robt F BR7-8708
7911 Vacant

TP	Adjoining	Source
-	✓	R. L. Polk & Co.

JARVIS ST 1961

JARVIS—Contd
2806 Jonnson Susanna T Mrs ® AC3-8488
2809 Love Mary A
2810 Allen Margt E Mrs
2811 McMahon Jack
2812 Funderburk John AC3-8930
2815 Baker Vivian A AC3-0557
2817 Wall Elsie R AC2-3653
2818 Vacant
2819 Sperl Elmer R AC2-4392
2820 Jones Jas A
2821 Mynatt Walter L AC2-6845
2822 Murray Marie A Mrs AC3-1437
2823 Stafford Donald R
2825 Vacant
2827 Gomez Marina Mrs AC2-0209
2829 Griffith Mary Mrs AC4-5532
2831 Vacant
2836 Amijo Rudolph Z
2838 Vacant
2840 DaLuz Jose F
2842 Mallory Leonard H AC3-0836
2843 **Lee Apartments**
1 Vacant
2 James Walter E
3 Vacant
4 Browning Cortland L
5 Hair Ruby M C Mrs AC3-8765
6 Johnson Allegra C Mrs
7 Vacant
8 Vacant
9 Vacant
10 Vacant
11 Vacant
12 Vacant
14 Vacant
15 Lash Jackie E
16 Vacant
17 Jackson Jack B
18 Vacant
Scott intersects
2901 Mitchell Ernest J ®
2902 VanNuys Kittie G Mrs AC2-4210
2904 Vacant
2906 Clark Aaron B AC2-0608
2908 Campbell Frank M AC2-0024
2911 Andrade Mary G Mrs ® AC2-8136
2912 Donnelley Laura E AC3-0342
2913 Rhodes Richd F AC3-0748
2914 Jones Betty A AC2-3371
2916 Closson Wilbur A AC2-3971
2918 Hayes Eva Mrs AC4-1171
2919 Curry Melvin E ® AC2-6295
2931 Yetter Elmer ® AC4-5570
Rosecrans intersects
3010 Vacant
3019 Stride Raymond K AC3-7525
3020 Vacant
3023 Oyama Rodney T AC2-5708
3025 Morgan Larry D
3027 Vacant
3028 Hedgecock Lester L AC2-5943
3029 Sabatini Domenic ® AC3-1742
3035 Schmidt Harlan J AC4-2037
3036 Romero Jesus G ® AC2-8362
3037 Muhlenburg Roy D AC2-1900
3045 Kuklinski John W ®
Locust intersects
3103 Stout Helen E AC2-6987
3104 Tinz Louis J ® AC3-6452
3105 Moore Golda L Mrs AC2-5093
3107 Vacant
3109 Flynn Claude M AC2-0710
3110 Sousa Carmen AC3-6664
3110½ Whitehad Chas W AC2-4652
3111 Comer Jas E
3112 Vacant
3113 Burch Wm T AC2-4034
3115 Lynch Donald G
3115½ Seamen Mildred Mrs
3120 Robertson Wm G ® AC3-5627
3121 Vacant
3127 Furuya Geo ® AC4-5201
3128 Beecham Jack R AC2-3216
3135 Jardin Carlos G ® AC2-3553
3136 Vacant
3146 Silva Manuel J ® AC3-7513
Evergreen intersects
3204 Quaresma Manuel F ® AC2-5361
3207 Nunes Mauricio T ® AC2-8474
3212 Fluciano Jos T ® AC4-1319
3219 Placido Anthony P jr ® AC2-2627
3220 Mandell Irving
3227 Allen Florence ® AC2-5891
3228 Scherer Wm AC2-3271
Willow intersects

254
JASON (PO Imperial Beach)—From Transite av east, 1 south of Ionian
1731 Desrosiers Roland J ® HA9-0742
1741 Vacant
1751 Torano Jos E ® HA9-3770
1752 Jackson Edw A ®
1761 Markwick Don A ® HA0-4348
1762 Bryant Raymond jr ® HA0-7691
1771 Day Jerry B ® HA9-4495
1772 Nichols Jack H ® HA9-6524
1781 Christensen Howard E ® HA9-6838
1782 Connerty Frank ®
1791 Cart Travis R ® HA9-1194
1801 Mau Geo W jr ® HA0-7105
1802 Brown Gene E ® HA0-8252
1810 Vogel Oscar J ® HA0-7242
1811 Preston Thos B ® HA0-5876
1820 Feit Harry H ®
1821 Rook Wilson C ® HA0-2872
1830 Strickel Gerald A ® HA7-1023
1831 Sherman Geo E ®
1840 Primm Jules R ®
1841 Bascomb Gerald C ®
1851 Caldwell Chas B ® HA0-8558
1861 Martinez Victor M ® HA0-1937

85
JASPER COURT—From Loring north, 1 east of Everts

248
JEAN DRIVE—From Miracle dr southeast, 1 north of Adams av
4704 Boldrick Wm T ® JU3-5768
4720 Wiggins Florence E ® JU3-5732
4725 Reynolds Thos W ® JU3-5698
4728 Parry Geo S ® JU3-5950
4740 Pitts Jessie ® JU3-7188
4741 Swensson John A ® JU3-5490
4748 Macfie Richd B ® JU3-2924
4751 Budzilko Felix D ® JU3-4949
4758 Wolfe N Eva ® JU3-5520
4804 Mabee John C ® JU3-5024
4807 Bowers Milton C ® JU3-4418
4814 Winkler Frank C ® JU3-4118
4826 Dale Wm H ® JU3-5258
4829 Kyle Musa Mrs ® JU3-4148
4834 McGovney Harold A ® JU2-0952
4846 Vacant

178
JEFF—From 3900 College av east, 2 south of University av
6206 DiGiuseppe Frank P ® JU3-1956
6218 Serna Francisco ® JU3-2163
6230 Bonar Ivan E ® JU2-8063
6235 Cruttenden Chas H JU2-2855
6240 Jones David C ® JU2-5733
6248 Meeks John G JU3-2295
6251 Terry Herbert A ® JU2-0297
6260 Rinks Edw E ®
6261 Carpenter Oliver A ® JU3-2489
6268 Newell Wm A ® JU2-7014
6269 Ronan John T ® JU2-0416
6280 Hammond Wm B ® JU3-0233
6281 Fenwick John T JU2-1496
6286 Rollison Wm F ® JU2-0390
6289 Aspegren Orvil L ® JU2-7740
6294 Moniz Oliver
6295 Johnson Billy D ® JU2-1642
6303 Bardue John W ® JU3-7478
6304 Marrs Jas F ® JU2-7062
6310 LaPlante Fred C ® JU2-3275
6311 Sprenkle Doris B Mrs ® JU3-2021
6316 Anderson Oliver F ® JU2-7072
6317 Taylor Roger S ® JU2-8546
6322 Vankirk John W ® JU2-5979
6323 Vacant
6328 Allison Judge W ® JU2-1501
6329 DeCosta Jas A ® JU2-4632
6336 Tischler Nadine L Mrs JU3-6020
6337 Waldron John P ® JU2-0608
6342 Harper Eug M ® JU2-7280
6343 Shaw Jos W ® JU2-2827
6348 Allen Danl H ® JU3-2882
6349 Maving Margt Mrs ®
6354 Valdez Carlos A JU2-0088
6355 Vega Raul ® JU2-3280
6360 Tracy Philip T ® JU3-2415
6361 Skoglund Willard H ® JU3-1890
6366 Shult Roy E ® JU2-8263
6367 Kunkel Jos W JU2-3116
6372 Gaines Jewel R ® JU2-1516
6373 Coleman Otha R ® JU2-0421
6378 Sarkela Roy H ® JU2-8029
6379 Todd Richd W ® JU3-4266
6384 Blackburn Robt J JU3-5352
6385 Jolly Nelson M ® JU2-5231
6390 Bowers Kenneth E ®
6391 Clemence Arth G ® JU3-3265
6396 Ursino Angelo M ® JU2-6415

23
JEFFERSON—From 3900 Witherby northwest
2326 Stout Richd L CY7-1286
2328 Samuelson Frank H ® CY6-3673
2330 Costa Tresa Mrs CY5-6170
rear Vacant
2332 Spence Bobby J
Ampudia intersects
2340 **Apartments**
1 Bruno Dick CY5-6423
2 Baldwin Mary J Mrs CY5-2346
3 Swearengin C
4 Schaer Fred
5 Sanora Ramiro
6 Woodward John W
Ampudia intersects
2341 Wilson Albert W
2371 Ruiz Julio B ® CY5-7680
2377 Anholzer Edw H CY8-2241
2383 Cummings Essie Mrs CY6-6982
2385 Vacant
2387 Newman Ralph H CY5-5716
Arista intersects
2405 Hernandez Frank Z ® CY5-7434
2425 Fultz Mildred Mrs
2427 Heflin Billy C
2429 Talamantez John CY5-6486
2435 Yule Jas C CY8-8624
2437 Ortiz Elias ® CY6-4934
Conde intersects
2451 Dull Geo ® CY6-0423
2452 Merrill Dorothy M Mrs ® CY5-2554
2455 Lawrie Alice M Mrs ® CY8-2984
2460 Martinez Guadalupe C Mrs ® CY5-5638
2466 Gomez Helen Mrs
2468 Burger Leopold R
2471 Martinez Emuel CY5-6947
rear Marrs Mary Mrs
2475 Vacant
2477 Phillips Annabel ® CY5-3076
2482 Francki Frank C ® CY8-3334
2485 Riveroll David
2487 Rose Roland
2489 Vacant
2490 Reyes Ascencion CY5-7795
2495 Ward Jas A
Harney intersects
2505 **Apartments**
1 Werle Ronald L
2 Crumb Lawrence A
3 Case Jas N CY7-2716
4 Cabinum Serge
Street continued
2508 Garate Robt M
2520 Snellings Robt ® CY5-3038
2522 Carman Rachel M Mrs CY7-3093
2522½ Bresler Orville A ® CY5-5731
2523 Carey Howard H ® CY5-6085
2524 Hisel Faye Mrs
2530 Ojeda Jesus ® CY8-3238
2535 Allen Jas A
2538 Hanks Rose Mrs ® CY5-6866
2541 Robinson Edw B ® CY5-1352
2543 Vacant
2545 Vacant
2547 Kolen Robt CY8-8473
2549 Parker Mary G CY6-2645
Twiggs intersects
Smith intersects
Taylor intersects
Mason intersects
115
Rosecrans intersects
3003 Adobe Sign Service CY5-9551
3007 Binger Bernard L CY6-3062
3009 Kristite Margt CY5-0275
3011 Aero Court for Men apt CY6-9504
Daley Jack
3026 El Rio Motel CY8-9852
3027 Rosecrans Cabt Shop CY6-3173
3031 Oliver Jack R Co bldg contr CY6-2161
3033 King Pete & Son (br) pntrs CY6-6157
3042 No Return
3045 Janise Electronic Specialties mach shop CY5-6273
3047 Vacant
Gaines intersects
3101 Childers Bryant CY8-2477
3102 Servisoft of SD soft water CY8-7721
Water Conditioning Co CY6-6353
3103 McGuirk Hazel M Mrs CY6-4255
3105 O'Connel Geo
3119 Engstrom Axel CY5-1829
3127 Consulate of Norway CY5-2165
Nielsen Constn Co bldg contr CY5-2165
3132 Canteen Serv of SD vending machs CY8-9941
3135 Archer Elmer C CY6-2252
3136 Servisoft of Cal water softener CY8-8231
3141 Castro Louis
rear Lopez Lucio ®
Riley intersects
3216 Peters Ervin E
3218 Robbins Fred H

232
JEFFERSON AV—From west of Terrace dr east, 1 north of Adams av

133
JELLETT—From 3300 Morena blvd east
4224 Fisher Mary L Mrs
4224½ Borja Antonio M
4232 Robinson Gus ® BR6-1456
Denver intersects
4245 Williams Kenneth R
4336 Squires Robt P ® BR6-2979
Erie intersects
4440 Campbell Elmer F ® BR6-2801
4445 Hammerer Frank X ® BR6-1201

TP	Adjoining	Source
-	✓	R. L. Polk & Co.

KEATS ST 1961

KEATING—Contd
3669 Vastrez Jas J
3670 Apartments
1 Strang Frank M © CY8-7314
2 Baser Helen C CY8-7524
3 LiCausi Nocholas
4 Vacant
Street continued
3671 Vacant
3673 Hudson Wm L
3675 Roserio Wm H
3676 Cox Nealy C © CY5-9816
3676½ Vacant
3677 Vacant
3679 Vacant
3681 Vacant
3685 Vacant
3687 Patti Carmello CY8-8989
3689 Hansen D E
Puterbaugh intersects
3710 Murillo John B © CY5-8590
3740 Vacant
3746 Horton Clifford E © CY6-4072
3754 Erickson John E
3760 Vacant
3765 Cameron Donald CY5-4744
3767 Allen Richd L © CY5-9590
3776 Donahue Wm H
3778 Vacant
3780 Hilliard John CY7-3112
3782 Vacant
3784 Vacant
3786 Vacant
3871 Rogers Harold E © CY8-6023
Torrence intersects

35
KEATS—From 2 blks south of 1600 Rosecrans northwest
2810 Vacant
2811 Hurst Donald B © AC3-6740
2823 Ransom Donavan
2826 Vacant
2826½ Vacant
2827 Vacant
2828 McClenahan Jerome
2828½ Preston Herbert AC3-9987
2830 Wilson Dwayne E
2830½ Fisher Lucille M Mrs AC4-1954
2832 Goings Wilber E
2832½ Gilfoil Wm J AC3-6279
2834 Agnitsch Gerald H
2834½ Morgan K Ronald AC3-6849
2836 Holmes Jos R AC2-0891
2836½ Yates Carol E
2840 Morgan K Ronald AC3-6849
2844 Davis Peter Q AC3-1668
Scott intersects
2905 Cooley Virginia AC2-8160
2909 Point Loma Play School AC2-9111
Yarnell Louise H Mrs © AC2-9111
2919 Adams Lucille L Mrs © AC3-8013
2929 Anderson Kenneth R AC2-9154
2933 Hippensteel Robt
2935 Lunceford Walter B AC3-0752
2937 Latham Saml S AC2-1469
Rosecrans intersects
3021 Hall Wm E AC2-2915
3027 DeSilvia Amelia Mrs © AC3-7270
3035 Kuklenski Stanley AC2-4503
3045 Houston Buddie R AC3-9824
3047 Faias Phoebe F Mrs AC3-7509
Locust intersects
3105 Farinha Virginia Mrs © AC3-5003
3111 Garcia Alf © AC2-8225
3112 Gonsalves Manuel G AC3-9789
3114 Stevens Harold A AC3-9789
3114½ Coit Jos J AC4-1782
3116 Vacant
3116½ DiCola Mario D AC4-1781
3119 Costa Fredk L © AC3-6598
3120 Smith Art H AC4-1149
3125 Gomes Manuel M © AC3-8541
3126 Vacant
3127 Miller Paul F AC3-9889
3128 Smith Ewell L
3134 Morgan Lyle E AC2-0262
3135 Soares Francisco C © AC2-7401
3136 Oliveira Antero AC2-5476
3143 Lira Manuel P © AC3-7701
3144 Daniels Lester W AC2-5816
Evergreen intersects
3204 Jones Wm B © AC3-5503
3205 Nunes Domingos F © AC2-6713
3211 Thomson Jas A © AC2-7409
3212 Balelo Onesimo R © AC2-4987
3219 Sanger Dorothy G Mrs © AC2-9368
3220 Antonio Francisco © AC2-2780
3227 Wyrostek Gladys P Mrs © AC3-0273
3228 Lyerla Artie E © AC3-8301
3236 Crone Grady A © AC3-7031
Willow intersects
Plum intersects
3418 Wedge Homer C © AC3-8959
3419 Nascimento Manuel A © AC3-8813
3427 Stephenson Jos A © AC2-7222
3428 Blaylock Albert J © AC2-1915
3440 Spangler W Peter © AC3-7278
3441 Delaney Pauline E Mrs © AC2-3412

46
KEELER AV—From 42d east between Newton av and Boston av
4201 Duckworth Theo G © CO2-2771
4204 Nelson Jack © CO4-5448
rear Vacant
4208 Valderrama Felipe
4211 Sawasaki Takashi © CO4-5636
4212 Perez Arnold
4213 Sawasaki Tomo © CO2-1870
4214 Mazon Francisco
4216 Condis John M CO4-2124
4218 Zampella Anthony
4220 Taylor Helena E Mrs
4221 Hamilton Booker T © CO4-6948
4222 Arce Jos V CO4-6068
4230 Sinai Grace G Mrs © CO4-2277
4231 Becerra Robt D © CO2-1717
4233 Fontana Lee CO2-9224
4236 Morales Wm © CO2-6129
4238 Arispe Alf
4244 Ferkovich Steve S © CO4-3290
56
43d intersects
4316 Spence John D © CO4-4471
4317 Corey Gordon H CO4-2240
4322 Stephens Clifford N CO4-7872
4325 Escalante Gilgardo V © CO4-3523
4328 Ricca Edw E © real est CO4-5712
4331 Salas Venancio A © CO4-4905
4338 Dickens Wallace ©
4339 Fortenberry Jerome jr CO2-2140
4343 Jones J C © CO4-1645
4346 Burkett W J © CO4-2417
4352 Laird Vera M Mrs ©
4355 Marthis Hattie A Mrs © CO4-3051
4360 Ezzo Tony S ©
4365 Palmer Jas CO4-1732
4368 Barker Stacey L © CO2-1725
4379 Burks Elbert E © CO2-6253
4382 Carter Jimmie L © CO4-7912
4385 Mathis Jos CO2-6956
4386 Mitchell York © CO2-2670
44th intersects
4404 Curtis Kenneth M © CO4-2103
4405 Hayes D H © CO4-3528
4409 Burns Wm J ©
4412 Antepuesto Pedro S © CO4-6117
4415 Campa Robt M © CO2-6217
4416 Cannon Henry W © CO4-6113
4421 McElvaine Norma J Mrs ©
4422 Harvey Curtis
4422½ Vacant
4425 DeRouen Thos M © CO4-6304
4428 Byrd Martin L © CO4-6102
4433 Woods Herman © CO2-2475
4434 Bradford Willie © CO2-2170
4439 Brinson Burnelle Mrs © CO2-6814
4440 Alexander Milton J © CO4-7481
4445 Aguinaga Mariano ©
4446 Vacant
4453 Walsh Chas T © CO4-7408
4454 Mayfield Jas © CO2-1187
4465 Dugan Jeremiah J © CO4-1850
45th intersects
4509 Davison Doil C
4510 Rusheed Emanuel CO4-0717
4517 Grimm Jos F
4518 Vacant
4519 Parker Billy T
4521 Tugadi Ludovico P
4523 Terrell Kenneth B
4526 Doria Maximino P
4530 Gallanosa Gerard G
4531 Transbarger Archie L
4533 Hughbanks Louis A
4535 Cruz Joaquin G CO4-4568
4536 Brinker Geo W CO2-6009
4537 Barnett Julian A
4539 Williams Scottie D
4541 Vacant
4543 Stewart Donald W CO4-3390
4545 Bonner Fred E
4551 Pamaran Saturnino C
4553 Harrison Federal
4555 Vacant
4557 Sheriff Gerald W
4559 Chatwin Alvin
4561 Steele David J
4563 Wright Chas M
4565 Cadena Jesse
4570 Victa Emiliano M
4572 Tate Willie J
4574 Fisher Donald D
4575 Navy Defense Housing Preble Housing Project CO4-4920
4576 Moss Richd K CO2-6746
4578 Hobbes John E jr CO4-0756
4580 Dimos Larry K
4582 Jones Frank J
4584 Mislang Feliciano CO2-7325

180
KEEN DRIVE—From Calle Quebrada south, 1 east of Kausman
2595 Vacant
2601 Erler Virgil J © GR4-1806
2602 Dulac Arth F © GR7-6748
2610 Wilson Wm W © GR7-2615
2611 Samford Kenneth L © GR4-1750
2620 Vacant
2621 Easter Harold G © GR4-2481
2629 Goodpasture John W © GR4-4359
2632 Watson Kenneth W © GR4-4552
2637 Dreas Donald R © GR7-8881
2640 Vacant
2645 Robertson Robt J © GR4-1849
2648 Settle Reed W © GR7-3531
2653 Thorsell Geo E ©
2656 Alexander Edgar C © GR4-5311
2659 Torguson Alan W © GR7-0309
2664 Case Richd L © GR4-5853
2667 Jennings Robt W © GR4-3779
2672 Relph Keith M © GR7-0221
2675 McCormack Jas H GR4-4091
2682 Reeves Robt J © GR4-1622
2683 Bravata Ralph © GR4-2306
2692 Fleming Edgar E © GR7-6111
2693 Alvarez Geo E © GR4-3553
2702 Cavender Wm S © GR4-4576
2703 Young Wilbur M © GR4-2124
2710 Berry Wm C © GR7-7041
2711 Hart Howard F © GR4-3027
2718 Allen John W © GR4-2628
2719 Stewart Wm G © GR4-2477
2726 Everett Willis L © GR4-3475
2727 Acosta Frank L © GR7-9129
2734 Corder Jos T © GR4-4001
2735 Sebastian Roy W GR7-6603
2743 Williamson Paul W © GR4-3554
2751 Todd Merritt H © GR4-3102
2801 Sloan Paul R jr © GR7-5803
2802 Smith Chas E © GR4-2198
2809 Vacant
2812 DeCrane Chas E © GR4-3029
2819 Peterson Wm V ©
2822 Lara John © GR7-2960
2827 Vacant
2830 Norman Norby
2835 Vacant
2838 Sullivan Russell L © GR4-2916
2843 Toft Wm J © GR7-7947
2846 Vacant
2851 Vacant
2854 Kenny Gerald J © GR4-2680
2859 Daily Donald E © GR4-2764
2862 Vacant
2867 Vacant
2875 Wilson Bill J © GR7-9188
2883 Vacant

234
KEENEY—From El Cajon blvd north, 1 east of 73d
4997 No Return
5003 Jennings John H
5030 Watt Marvin W HO5-3462
5030½ Pipes Russell W HO3-7057
5034 Seaman Russell A HO9-5542
5036 Sprague Geo HO5-3674
5037 Browell Borge E HO9-7359
5039 Vacant
5041 Barnes Lowell P HO9-2357
5055 Goodwin Robt E HO3-2600
5056 Hoffert Victor F © HO6-5658
5061 Young Robt J © HO9-2886
5075 Brown Curtis M © HO6-1591
5084 Trim Mack ©
5090 Walker Albert F © HO3-4720

39
KELLOGG—From 1 blk east of 350 San Antonio av west

TP	Adjoining	Source
-	✓	R. L. Polk & Co.

SHAFTER ST 1961

SEQUOIA—Contd
3839 Kelso Peter J BR3-3920
Dodson Jerry J
3840 Lucas Thos ⊚ BR3-2544
3847 Vacant
3849 Yeakley Jerry I BR4-2203
Potts Ralph
3850 Brehm Carl H ⊚ BR3-3830
3851 Richards C F BR3-3612
3852 Vacant
3854 Vacant
3856 Vacant
3859 Yoakum Hughlan C jr BR3-3472
3861 Page Floyd E BR3-3191
3862 No Return
3863 Depew Lynn R
3865 Sherman Edith L Mrs ⊚ BR3-1408
3866 Baker Geo A ⊚ BR3-6994
3867 McKinley Doris A BR4-0911
3869 Price Edw Rev BR3-4249
3871 Hughes Lois E Mrs BR3-1398
3873 Howe Josiah
3875 Beyer Walter K BR3-3412
3877 Kitson Henry E BR3-7349
3879 Golden Mabel W Mrs ⊚ BR3-7504
3886 Stinson E Douglas jr ⊚ BR3-1752
3894 Erlandson John O ⊚ BR3-3907
Roosevelt av intersects
3904 Etjen Geo V ⊚ BR3-6539
3905 Bremner Lorine Mrs ⊚ BR4-6732
3912 DeLozier Lloyd E ⊚ BR3-4238
3918 D'Heilley Nelleo BR4-2975
3918½ No Return
3919 Sack Carl BR3-0340
3920 Vacant
3920½ Shumaker Danl V BR4-4223
3922 Omoth Tilfred J ⊚ BR3-6177
3927 Bowman Clarence R ⊚ BR3-7937
3928 Johnson O Carl ⊚ BR3-4503
3935 Haninchek Jos BR4-3382
3936 McLeese John M ⊚ BR3-7368
3942 Buop Ronald ⊚ BR4-4679
3943 Waddell Robt M ⊚ BR3-6330
3950 Magnes Harold D ⊚ BR3-1248
3951 Morgan Laura J BR3-5412
3953 Tomlinson Nora B Mrs BR4-3484
3956 Nelson John W ⊚ BR3-0494
3959 White Kenneth L ⊚ BR3-1358
3962 Palmus Carolyn Mrs BR4-0731
3967 Lanetta Neil ⊚ BR3-9234
3968 Nevill Stanley ⊚ BR4-3754
3975 Sisson Austin I ⊚ BR3-3575
3976 Yanciw Matthew ⊚ BR3-0683
3983 Turner Theo L Mrs ⊚ BR3-0764
3986 Thayer Geo A ⊚ BR3-4455
3991 Paine Wm T ⊚ BR3-1585
3992 Stringfellow Grant W
Fortuna av intersects
4002 Kaye Hugh R BR4-2659
4011 Vacant
4012 Jensen David L ⊚ BR3-2474
4020 Doxey Oliver E ⊚ BR3-5895
4021 DeGreef Fred R ⊚ BR3-6728
4027 Philips Louise C Mrs ⊚ BR3-1033
Chico intersects
4050 Webb Wiley W BR3-8213
4056 Williams Clifford E ⊚ BR3-1184
4065 Parker Peter
4066 Fagerstrom Lily Mrs ⊚ BR3-6406
4067 Vacant
4069 Vacant
4072 Olson Donald J ⊚ BR3-3476
4075 Wittenberg Lester L
4080 Cornell Gene M ⊚ BR3-1674
4083 Grove Harry L
4086 Boyd Florence B Mrs ⊚ BR3-1663

264
SERE (San Ysidro)—From San Ysidro blvd south, 1 west of National av
22 Arroyo Clarence
120 Bravo Josephine Mrs
122 Lopez Alice Mrs
212 Gomez Jesse M

148
SERRANO PL—From Campo dr east, 1 south of ElCapa blvd
6573 Newbery Thos R ⊚ real est JU2-0533
6575 Cuvala Geo ⊚ JU2-6985
6580 Craig Elmer E ⊚ JU2-2994

61
SESSIONS CT—From W Rhodes west

31
SEVILLE—From Rosecrans northwest bet Shadowlawn and Malaga
3009 LeBaron Marton E ⊚ AC2-2362
3020 Vacant
3023 Lohre Clara O Mrs ⊚ AC3-5713
Locust intersects
3113 Storm Eug M ⊚ AC3-3828
3118 Haas S G Frank jr ⊚ AC2-3237
3121 Morton Asa D ⊚ AC3-7760
3128 Butler Corneluis P ⊚ AC4-5993
3137 Lacy Ernest W ⊚ AC2-1032
3138 Vacant
3144 Smith Chas L
3145 English Wm T jr ⊚ AC3-8580
3152 Vacant
3160 Meserve Saml C ⊚ AC3-6085
Evergreen intersects

260
SEWARD AV EAST (San Ysidro)—From Park av east, 1 north of Hall av
17 Vasquez Jesus M
105 Callaway A C GA8-1668
105a Castanares Rigoberto G GR8-2023
107a Romero Alfredo
107b Sanchez Gregorio
107c Vacant
107d Vacant
107e Tover Manuel
109 Mills Robt R ⊚ GA8-1159
118 Kendrick A B
120 Flores Florencio ⊚ GA8-1857
123 Haigler Roy J ⊚
124 Purcell Chas ⊚
127 Romandia Ricardo
129 Romandia Ricardo jr
129½ Quintana Robt
130 Budde Harvey W ⊚ GA8-1509
132 Gonzales Lupe P ⊚ GA8-1009
133 Seward Trailer Court GA8-2089
135 Morales Geo G
136 Desma Frank ⊚ GA8-2109
137 Farson Albert G ⊚ GA8-1553
166 Hernandez Francis C ⊚ GA8-1793
168 Byrd Emma O Mrs
170 Miller Rube
171 Moody Howard W ⊚ GA8-1168

260
SEWARD AV WEST (San Ysidro)—From Park av west, 1 north of Hall av
108 Renteria Jesus H
110 Toledo Louis M
112 Vacant
125 Beasley Ralph E
135 Nieto Eleana Mrs GA8-1704
158 Inga Sam I
160 Ochoa Edw GA8-1697
163 Hughes Elmer C GA8-1456
165 Lyons Winford G
167 Lance Gary D
169 McNally Jos
171 Marker Harry ⊚ GA8-1654
173 Burnett Henry ⊚ GA8-1022

31
SHADOWLAWN WAY—From 3030 Locust west
3110 Kunkel Julia T Mrs ⊚ AC3-5757
3111 Briggs Robinson P ⊚ AC3-7220
3120 Kovacevich Dinko A ⊚ AC3-3880
3121 Merkel Herbert A ⊚ AC3-7776
3130 Wetherill G Gage ⊚ AC2-8327
3136 Houser Olive Mrs AC3-3680
3141 Lowry Henry C ⊚ AC2-8578
N Evergreen intersects
3204 Berndes Axel E ⊚ AC3-0721
3224 Slattery J Michl ⊚ AC2-9419
3232 Hosick James L ⊚

119
SHAFTER—From Talbot north, 2 east of 1070 Rosecrans
1055 Neely Enterprises mfrs agts AC3-8103
1063 Verdusco Julie Mrs AC4-1087
1065 Opper De Etta G AC2-7598
1067 Brown Vernon M ins AC4-3393
1071 Bofinger Andrew H marine surveyor AC3-8167
Wyatt Frank K marine surveyor AC3-8167
1618 Silva Frank
1620 Vacant
1622 Rosa Januario G ⊚ AC3-6389
1662 Robnson Mary T Mrs ⊚ AC3-8735
1672 Peters James S AC4-5900
1674 Paugh Carl AC2-5097
Lowell intersects

202
SHAMROCK—From 1 blk south of Sycamore north
2303 Mhoon Wm W ⊚ AT1-4457
2309 McCurdy Gladys Mrs ⊚ AT1-2933
2310 Brizendline G Edw ⊚
2314 Williams Wm H ⊚ AT1-9845
2315 Wisnoski Larry L ⊚
2320 Kelly James W ⊚ AT1-9167
2323 Staedeli Jerry H ⊚ AT1-9644
2324 Kelley Neil L ⊚ AT1-3868
2331 Lynn Juanita AT3-3805
2332 Tilton Helen N Mrs ⊚ AT2-0451
2333 Tompkins John W AT3-3097
2335 Hooyen Peter J ⊚ AT3-3397
2342 Wintersdorff Peter AT1-5197
2345 Zygar Edw ⊚
2348 VanKampen Neal ⊚ AT1-8620
2351 Roper Robt H ⊚ AT1-6075
2357 Richardson Fred ⊚ AT4-6892
2403 Casner John G AT3-4798
2404 Tamlyn Annie R Mrs ⊚
2407 Baily Chas A
2409 Jones Geo L ⊚ AT4-2005
2410 Meggison Melvern ⊚ AT2-7318
2415 Duschell Carles C jr AT1-0118
2416 Bendixen Aug B ⊚ AT2-7707
2422 Roulette James
2424 Baxter Robt
2428 Cain Bert W ⊚ AT4-9756

176
SHANE PL—From LaDonna dr west, 1 south of Richard
6401 Worden John L jr ⊚ JU3-4316
6404 Arrechea Carl W ⊚ JU2-9292
6409 Huth Robt D ⊚ JU3-6590
6417 Lutz Jim C ⊚ JU3-1626
6420 Vacant
6425 Monson Harold R ⊚ JU3-1680
6433 Mark Melvyn H JU3-4913
6440 Schoonover Fredk H ⊚ JU3-1149
6441 Groff Goodwin C ⊚ JU2-6623
6449 Forman Chas Z ⊚ JU2-1192
6457 Bunger Wm F ⊚ JU3-3272
6460 Nava Gabriel ⊚ JU3-3583

148
SHANNON AV—From 4800 Rolando blvd east, 1 north of Solita av
6600 Burke Jas W ⊚ JU3-3897
6606 Walsh Paul J ⊚ JU2-8454
6610 Frazier Jas R ⊚ JU2-5632
6620 Hazelwood John N ⊚ JU3-6798
6630 Chamberlain Edgar J ⊚ JU2-1665
6633 Naden Stanley W ⊚ JU2-2173
6640 Jones Merlyn M
6650 Fink Freada M Mrs ⊚ JU2-5714
6660 Foltz Chas J ⊚ JU2-1902
6670 Karpinsky Nicholas C ⊚ JU3-1793
6675 Fournier Jas P ⊚ JU2-4009
6701 Voigt Ethel S Mrs ⊚ HO6-0764

146
SHARRON PL—From south of 5600 Trojan av north
Vale way intersects
4216 Vacant
4224 Jungblut John R ⊚ JU2-0916
4232 Botten Carol R ⊚ JU3-1009
4322 Province Delbert W ⊚ JU2-6227

79
SHASTA—From 1750 Mission blvd north, 1 east of Jewell
3740 Vacant
3754 Henris James BR3-3672
3756 Tanner Ethel R Mrs ⊚ BR4-1344
3776 Carroll Lenore B Mrs ⊚ BR4-2107
3778 Bay View Apartments
1 Fosse Malvin J BR3-0503
2 Streitz Sally M Mrs ⊚ BR4-1126
3 Schneidmiller John A jr BR3-1135
4 Vacant
5 Higgins Violet Mrs ⊚ BR4-1463
LaPlaya av intersects
3803 Radcliffe Eug BR3-5190
3804 Robert Henry C real est BR4-1695
3809 Nelson Earl L BR4-0468
3811 Ketchen Don W BR3-2299
3813 O'Neill Thos L BR4-5318
3813½ Sprague D W
3815 Grimes Rex B BR3-3323
3816 Stillwaugh Wm ⊚ BR4-1109
3817 Collier Thelma R Mrs BR3-7758
Ford F J
3818 Stover Evan R BR4-1946
3819 Andrews Ray E ⊚ BR4-2639

JARVIS ST 1952

J—Contd
3231 Nemard C W ◎ F 7807
3234 Duenas J L ◎
3237 Flowers A B Mrs ◎ F 4005
Bancroft intersects
3243 Banaga S S
3247 Wills J E ◎ F 9-3914
3248 Cervantes S O
3252 Johnson Jas ◎ F 9-2072
3252½ Robertson Nancy, M 9081
3253 Machado Antonio
3256 Fernandez I A, M 5670
3257 Fillet J P ◎
3263 Ramirez A A Mrs ◎ F 2837
3264 Edroza David
3271 Ahumada N Mrs ◎ F 9-7296
3274 Maggay Fermin ◎ F 9-4954
3280 Bennis U Mrs ◎ F 9-5245
3285 Brown R H ◎ F 9-2410
3288 Hassell S W ◎ M 0717
3291 Mitrovich C R ◎ M 3582
3292 Laird Tippy B
Miller Norman ◎ F 9-1664
33d intersects
3314 Martinez T A ◎ M 9951
3351 Ifland H K ◎ F 3403
3352 Thurman John ◎ F 3470
rear Lovato R A
3357 Williams E A
3359 Paulson M A, F 0894
3361 Popejoy C R, M 3724
3365 Vacant
3367 Rosanbalm G E
34th intersects
3401 Salas A R ◎ F 2793
3402 Galvin J L ◎ F 6762
35th intersects
3512 Light C A ◎
3515 Hansen J N ◎ F 8609
3520 Posey Minnie Mrs ◎ M 9262
3530 Karner J C ◎ F 9484
3557 Kent C G ◎ M 5439
3563 Kent C A
3850 Marmon E M ◎ M 4-2564
3851 Lynn W J
36th intersects
37th intersects
4101 Withers P L ◎
4129 Erwin W C ◎ M 4-3582
42d intersects
4202 Carrasco Eluterio
4212 Beyer A L, M 4-3389
Toyne intersects
4235 Tinkler W F ◎ M 4-4780
4245 McMurphy W E ◎ M 4-4487
4265 Vargus Michl ◎ M 4-3277
4271 Himes G A ◎ M 4-7327
4275 Meek M R Mrs ◎ M 4-4425
4275½ Neuharth Kliford
4279 Brinkman C H, M 4-1590
4287 Street Benj ◎
4291 Peterson D L
43d intersects
Carlos intersects
Gavin intersects
4387 Vacant
4415 McCay L M Mrs ◎ M 4-1558
Miller T M
Van Carrie M Mrs
4435 Davis Bertha Mrs ◎ M 4-4611

JACKDAW—North from W Walnut av, I west of Ibis
3503 Herbert A R ◎ J 5940
3508 Vacant
3511 Bergquist A E ◎ W 3444
3518 Walters M H Mrs ◎ J 0143
3521 Baker G B ◎ J 2972
3524 Wallace W H, J 5860
3529 Friedhof S B ◎ J 5701
3534 Chappell A E ◎ J 3348
3535 Coykendall Roy, J 5384
3545 Hidman A A ◎
Brookes av intersects
3601 Klindt G C ◎ W 1446
3612 Jones B H Mrs ◎ W 2345
3618 Vinbladh J A ◎ J 9196
3622 Morley Myrtice D Mrs ◎ W 8-3737
3626 Ley A G ◎ J 7066
3632 Pisciotta J A ◎ J 0411
3634 Bouvet M B ◎ W 5262
3639 Giacalone J L, W 3201
3640 Mead D F ◎ J 0828
3643 Luers John ◎ J 4013
3644 Gethmann J E ◎ J 2364
3646 Reuter O J ◎ W 0930
3647 Junker V C ◎ J 0673
3653 Bahl Jack jr ◎ W 8-3760
3654 Belcourt W F jr ◎ W 8-2760
3655 Bahl A J ◎ J 7163
3655a Wolf F J Mrs, J 3266
3659 Jenney C E ◎ W 0386
3661 Bacon Alice B ◎ W 8-2643
3663 Pickett Mary ◎ J 2958
3663½ Raymenton H K ◎ J 7413
3664 Currie S A ◎ J 1329
3665 Mattson S A Mrs ◎ J 2929
3667 Tyberg A R ◎ W 4369
3669 Irion H A ◎ J 6989
3672 Wyllie R S ◎ J 5739
3675 Brooks J S
3677 Amdahl B A ◎ J 5729
3678 Hake L W ◎ W 0958
3679 Washburn L M, J 9863
3680 Marker J A ◎ W 1623
3683 Burkhardt H P ◎ W 1090
3685 Pickard R J ◎ J 6778
3688 Daleo Jos
3691 Strouse R W
3693 Applegate F D ◎ J 0173
3694 Shapcott W G, W 8-2622
3695 Vacant
3697 Vacant
Pennsylvania av intersects
3701 Vacant
3704 Jandro Olive ◎ W 1157
3711 Erickson S C
3715 Daley C M ◎ J 5997
3720 Davis A A Mrs ◎ W 3715
3728 Fish L H, W 8-3372
Sutter intersects
3974 Armstrong's Rest Home J 9355
Stonebraker Z M Mrs J 9355
3977 Robinson E A ◎ J 4024
3984 Anderson Emma Mrs J 0752
3994 Stern W M ◎ W 4132
Washington intersects
4019 Bunker Lelia A Mrs ◎ W 4878
4020 Fowler R E Mrs ◎ J 0708
4025 Wheelock C M ◎ W 8-2888
4027 Pile Bengie H ◎ J 3951
4028 Snyder R W ◎ W 1236
4036 Stevenson K A, W 4174
4046 McGlashan R G, W 3693
Fort Stockton dr intersects
4061 Mitchell Alice E ◎
4069 Krause Edw
4070 Mission Hills Congregational Church
4073 Birdsall R L, J 9026
4075 Ardaiz G F, J 2917
4082 Williams Gerald ◎ J 1460
4085 Ardaiz Jos ◎ J 3551
4086 Enyeart T R ◎ J 3567
4095 Taylor M M Mrs ◎ J 3572
Lewis intersects
4102 Cain M E Mrs ◎ W 8-3133
Deming Mary E, W 8-3132
4112 Lowe A P ◎ J 8292
4115 Bruce F J ◎ J 3287
4118 Moore W A, W 2641
4120 Tidball L R Mrs ◎ J 0547
4121 Connor D F
4125 Turner G M ◎ W 3975
4130 Ellsworth W F ◎ J 7000
4133 Craig Star R Mrs ◎ W 5427
4135 Thompson J W, W 2989
4138 Wilson R W ◎ J 8040
4139 Larsen C O ◎ W 2086
4141 Sheppard R T ◎ J 6490
4146 Hawley E E ◎ W 3738
Montecito way intersects
4152 Lehmkuhl B G ◎ J 2959
4152½ Morgan Peter
4160 Eaton W B jr ◎ W 8-3340
4165 Mark Anne P Mrs ◎ J 2705
4167 Meisch Mark R
4169 Musselman D C ◎ J 1481
4170 Hammack E C ◎ J 7857
4176 Miller E I Mrs ◎ W 2366
4181 McClead G W ◎ J 1450
4185 Fry L C ◎ W 3421
4186 Shuyler Mabel ◎ J 2367
4195 Vacant
Arbor dr intersects
4201 Buel Richd H ◎ J 2994
4202 Roth C R ◎ J 1795
4211 Jones J H ◎ W 2269
4214 Bauman Carolyn B ◎ J 7994
4220 Quinn Olga C Mrs ◎ W 2442
4221 Brown A L ◎ J 3859
4227 Hughes A A ◎ J 6242
4230 Ferver G W ◎ W 3590
4235 Chandler G E ◎ W 1360
4243 Stern E L ◎ W 0442
4244 Ray K S ◎ J 7890
Hunter intersects
4269 Squyres J E ◎ W 5544
4276 Cole Frieda B Mrs ◎ W 0995
4277 Bowen Barbara ◎ J 0188
4284 Johnson W T ◎ J 5077

JACKSON—Northwest from Wallace to Chestnut
2525 Haering N J, J 5979
2540 Melhorn W B ◎ W 5331
2641 Turner G R ◎ W 2960

JAMACHA ROAD (Encanto)—East from 600 68th
6814 Carroll G J ◎ M 4-1746
6824 Edgington D F ◎ M 4-4381
6829 Stone R R ◎ M 4-5642
6830 Stephens M W ◎ M 4-4820
6847 Wilson A E ◎ M 4-7186
6857 Jensen Marion D ◎ M 4-4371
6865 Thompson J R ◎ M 4-3818
6888 Wilkes B T ◎ contrs sups M 4-6888
69th intersects
6905 Dorney R F ◎
6915 Row K C
6935 Phillips G R ◎ M 4-3415
6944 Cobb A W ◎ M 4-7437
6965 Michelfelder L R ◎ M 4-4186
6971 Bassett C R ◎ M 4-2244
6976 Moon Ethel M Mrs ◎ M 4-3631
6979 Ausman F L ◎ M 4-2045
6987 Fields Leo
6988 Dudney P L ◎ M 4-1603
70th intersects
7007 Layton O H ◎
7019 Jack K A ◎ M 4-3573
7035 Miller Thos
7044 Hewett A L ◎ M 4-2073
7068 Cleland Howard ◎ M 4-6925
Pidgeon intersects
7108 Seeley A T ◎ M 4-3671
7128 Cox A S ◎ M 4-2012
7136 Mahon H H ◎
7149 Blake W E
7159 Montoya Peter ◎
7205 Woodward R B, M 4-4043
7206 Mattei M Mrs ◎ M 4-5075
7245 Fergus F M ◎ M 4-1398
7251 Erwin F L
7252 Hartford R A ◎ M 4-7525
7257 Misner E L ◎ M 4-7391
7265 Saiz G M ◎ M 4-3692
7271 Arpin E W ◎
7279 Gaston J K ◎ M 4-4631
7285 Vanlandingham Wm G ◎
7291 Spillers C B ◎
7297 McLaurin W W ◎
7303 Weaver N J ◎ M 4-4785
7311 Veinol J B ◎ M 4-4657
7319 Harmon J C jr ◎
7335 Wood R L ◎ M 4-7401
7345 Wood W H ◎
7355 Klupper Jack
7403 Bayliss S W ◎
7409 Treat H M Mrs
7415 Abbitt E E, M 4-7227
7421 Lane B L ◎
7427 Bradley C C ◎ M 4-6141
7430 Russell H L ◎
7433 Annastas Thos ◎
7439 Evans V C ◎ M 4-6206
7440 Barnes M E ◎
7445 Roberts N E ◎
7450 Young C J ◎
7451 Lakin Frank Mrs
7459 Powell P R ◎
7460 Lee R D ◎
7465 Bunch R E ◎ M 4-6809
7470 Frizzell R L ◎
7471 Evans W D ◎ M 4-2377
7550 McMorrow C H ◎ M 4-5339
7551 Shaw T M ◎ M 4-4126
7615 Barnes L E ◎ H 6-7894
7629 Beck E H ◎
7641 Crum Lee
7665 Dupeire J H ◎ H 6-6033
7675 Reid B C ◎
7727 Reagor J D, H 6-2817
7730 Robinson Arth

JAMAICA COURT (Mission Beach)—East and w from Mission blvd, 4 n of Amusement Center
716 Read Mary C Mrs
722 Bowman J P
725 Effron Hyman ◎ H 8-2590
728 Stone C P, H 8-9197
728½ Murray R C
732 Mueller A Roger
733 Mann C G, H 8-1921
735 McIvor Geo
737 Ullum R L ◎
741 Adair J C ◎ H 8-8512
742 Pepper R E
744 Greenwood C R, H 8-5073
745 Chenhall M T ◎ H 8-2443
Mission blvd intersects
803 Cavallaro Marie B Mrs
805 Weltzel T H
807 Vacant
809 Mitchell A R, H 8-5531
809½ Greaves Barbara D H 8-1434
810 Ferguson O V, H 8-1852
811 Harbin L C ◎ H 8-3490
815 Vacant
815½ Tapp Cecil
818 Carbis H J, H 8-3719
821 Florence W H
824 Vacant
825 Bolyard W L, H 8-6510
828 Yeager W P, H 8-3431
829 Ross G G
829½ Adamo P J
831 Vacant
833 Sulzberger R A

JAMAICA COURT (Mission Beach)—Contd
834 Werre M F Mrs ◎ H 8-5181
rear Ewaskewicz F P
835 Bliss Alva C Mrs H 8-3057
837 Missler K E ◎ H 8-1936
838 Shuffler E B jr H 8-1902
839 Warner Norman
841 Pirie W V ◎ H 8-4887
Bayside Walk intersects

JAMES (Loma Beach)—Northwest from 2900 Rosecrans
3008 Forward F G, B 4930
3021 Buchanan Wm ◎ B 7093
3022 Wilgus F A ◎ B 0754
3029 Reis R B ◎ B 8604
3030 Nickerson L A ◎ B 2-3325
3036 Arnhym A A ◎ B 5578
3045 Malcolm H A ◎ B 4854
3046 Sears G M ◎ B 4503
Locust intersects
3117 Harris F R ◎ B 4612
3120 Calvert Vernice S ◎ B 6922
3128 Wallace F F ◎ B 1902
3136 Martinson Louis ◎ B 3240
3137 Curtis H P ◎ B 3011
3145 Heilbron G W ◎ B 2-1262
3146 Stephens H B ◎ B 0393
Evergreen intersects
3211 Nelson Clair A ◎ B 6412
3212 Gardner A F ◎ B 3903
3223 Stodter C E ◎ B 3684
Chatsworth blvd intersects
3707 Zickos T R
3711 Hill L M ◎ B 2-2773
3712 Williams Marion G ◎ B 7608
3717 Hall S J ◎ B 2-1438
3720 Stephenson R E ◎ B 7567
3723 Slough C B
Slough G Mrs ◎ B 2-2590
3729 Swanke C C ◎ B 2-1789
3732 Horne E L ◎ B 2-3525
3735 Walsh W E ◎
3740 Vaughan R L ◎
3741 Niemann J J ◎ B 7666
3746 Tipton H F ◎ B 2-1454
3752 Brown W S ◎
3753 Rehm G F ◎
3758 Armstrong R H ◎ B 7226
3759 Conway H F ◎ B 2-1825
3764 Vollmer W F jr ◎ B 5711
3765 Kerley Victor ◎ B 0725
3771 Chenault J W ◎ B 1016

JAMUL AV — South from Franklin av, 3 e of S 40th
4111 Parsons J W ◎ M 4-3507
4114 Addison Jos ◎ M 4-3444
4125 O'Conner Clarence ◎ M 4-1959
4132 Murphy R L
4133 Wilkinson J S Mrs ◎ M 4-1073
4134 Vacant
4141 Dunn M S ◎ M 4-2280
4149 Ellison R H ◎
4153 Browning L D ◎ M 4-3442
4154 Vacant
4156 Vacant
4164 Sparrow A J
4170 McLean A P, M 4-4358
4172 Story Lillian Mrs ◎ M 4-5527

JANET PLACE—West from 4640 Lucile dr
4615 Vacant

JANNEY COURT (Linda Vista) — East from Burton, 2 n of Glidden
6821 Elson G W, W 7-0121
6822 Simmons B C
6831 Burris F O, W 7-1649
6832 Kasten J T, W 7-1255
6841 Hanes R W, W 7-1057
6842 Thornburg R B, W 7-1398
6851 Wilhelm C B, W 7-1823
6852 Welsh Jas, W 7-1283

JANUARY (North San Diego) — North from 5050 Summer

JARVIS (Roseville) — Northwest from 2 s of 1670 Rosecrans
2806 Weaver G A jr, B 5609
2810 Smith H A
2812 Cates Fredk, B 2-1281
2829 Kettenburg G W III
2840 Reece G W, B 2-3555
2842 Swanson Raymond
2843 Lee Apts B 9593
Aldy Robt
Bartle Raymond
Berry Richd
Cook Robt
Dowdy Herbert
Fletcher Jas
Flinn R F
Gambino Michl
Hart R C
Koch Don

JARVIS (Roseville)—Contd
Lee Apts—Contd
Newingham Vernon
Shenck Robt
Staubitz Glenn
2901 Mitchell E J ◎
2902 Vacant
2904 Weeks Warren, B 1927
2906 Lovelace Ethel Y Mrs, B 7524
2908 Wiebmer W R, B 7841
2911 Sieglinger J G, B 4997
2912 LeBarron F H jr
2913 Harrison G C
2914 Morrow E R, B 6981
Tupper C R
2916 Vacant
2918 Huddleston W B, B 2-2703
2919 Cole C W ◎
2931 Yetter Elmer ◎ B 5570
Rosecrans intersects
3010 Dente Thos, B 1876
3019 Bettencourt M D Mrs ◎ B 5628
3020 Dzeljczyk M M ◎ B 2-2647
3028 Carlos Salvador ◎ B 0406
3029 Sabatini Jos
3036 Romero Jesus G ◎ B 4362
2037 Vacant
3045 Kuklinski J W
Locust intersects
3103 Lee R L, B 2-3870
3104 Tinz L J ◎ B 6452
3105 Hansel Oley
3107 Moore R T ◎ B 9930
3109 Fernandes J J, B 2-1115
3111 Jenkins J D
3112 Garcia Alf jr ◎ B 3286
3113 Ennis R D
3115 Ham D M, B 2-1198
3120 Robertson W G ◎ B 5627
3121 Ranieri J J ◎ B 0335
3127 Furuya Geo ◎ B 5201
3128 Garofado F A, B 8136
3135 Jardim Carlos ◎
3136 Paula F J ◎ B 7874
3146 Silva M J ◎ B 7513
Evergreen intersects
3204 Telles A X ◎
3207 Nunes M T ◎
3212 Woodworth H R, B 6625
3219 Placido A P, B 2-2627
3220 Agueda A S ◎ B 2-2277
3227 Knecht C F ◎ B 2-2138
3228 Marshall J F ◎

JEAN DRIVE—Southeast from Miracle dr to Palisades rd, 1 n of Avoca pl
4704 Boldrick W T ◎ R 6425
4720 Wiggins F ◎ R 6093
4725 Minella A L ◎ T 8012
4728 Parry G S ◎ T 4602
4740 Pitts A H ◎ T 1-7193
4741 Swensson J A ◎ R 7941
4748 Gardiner Mabel L, T 5514
4751 Budzilko Felix ◎ R 2266
4758 Wolfe N Eva ◎
4804 Mabee J C ◎ T 7485
4807 Bowers M C ◎ T 1-6774
4814 Smith A C ◎ R 7176
4826 Dale W H ◎ R 0297
4829 Harding R A ◎ R 8034
4834 Gibbs R C ◎ R 1489
4846 Fraser H H ◎

JEFF—East from 4000 College, 1 s of Univ av
6206 Archibald R H ◎
6230 Bonar I E ◎
6235 Crupin Morris ◎
6240 Jones D C ◎
6248 Packard P M ◎
6251 Terry H A ◎
6260 Rinks E E ◎
6261 Bishop J D
6268 Jett G L ◎
6269 Ronan J T ◎
6280 Hammond W B ◎
6281 Fenwick J T ◎
6286 Rollison W F ◎
6289 Aspegren Orville ◎
6294 Royker K H ◎
6295 Johnson W D ◎
6303 Farry R L ◎
6304 Marrs J F ◎
6310 LaPlante F C ◎
6311 Dickson R R
6316 Anderson O F ◎
6317 Taylor R S ◎
6322 Donaldson G B
6323 Vacant
6328 Allison J W ◎
6329 Brunswick H D ◎
6336 Houze J M ◎
6337 Waldron J P ◎
6342 Serviolo W A ◎
6343 Henson H W ◎
6348 Mackey L V ◎
6355 Vega Raul ◎
6360 Tracy P T ◎
6361 Fletcher B C ◎
6366 Shult R E ◎
6369 Crossley E J ◎
6372 Lundy H F ◎
6373 Coleman Ronald ◎
6378 Sarkela R H ◎
6385 Estrada Ralph ◎
6390 Bowers K E ◎
6391 Schlachter F G jr ◎

JEFFERSON—Northwest from 3900 Witherby
2330 Dines Trailer Court W 0645
Dines Ernest
Ampudia intersects
2341 Craig J V ◎ J 1596
2277 Anholzer E H ◎ W 8-2241
2385 Riveroll David
2387 Newman R H, J 5716
Aristo intersects
2405 Hernandez F Z ◎ W 5910
2425 Martinez R J ◎ W 5614
2427 Banks N L, W 5165
Conde intersects
2451 Lawrie W G ◎ W 8-2984
2452 Orr G L ◎ W 5688
2460 Martinez Guadalupe ◎ J 5638
2466 Aldama Danl, J 7922
2468 Williams C Mrs ◎ W 8-2874
2471 Barnum S B ◎ J 6749
rear Alden Gerald
2482 Fancki F C ◎ W 8-3334
rear Armstrong Highlen
2495 Vacant
Harney intersects
2508 Schroder A L
2522 Pinson K C, W 4375
2522½ Bresler O A ◎ J 5731
2523 Carey H H ◎ J 6085
2524 Woodward D E
2530 Ojeda Jesus ◎ W 3238
2535 Conrad W C ◎ J 0539
2545 Robinson E B ◎ J 1352
Twiggs intersects
Smith intersects
Taylor intersects
Rosecrans intersects
3003 Adobe Sign Serv J 2-2272
3003 Genl Wholesale Sundries J 2227
3007 Montoya Cirillo
3009 Kristite M H
3026 El Rio Motel W 8-1888
Dean B A
3027 Vacant
3042 Garcia Juan ◎ J 4939
Gaines intersects
3101 Friske A B, W 1458
3103 McGuirk L R, W 4255
3105 Sanders W N
3111 Curtin G M Mrs ◎ J 2534
3119 Engstrom Axel, J 1829
3120 Martinez J M. W 1433
3127 Nielsen Construction Co J 2165
3135 Vacant
rear Lopez Lucia
3136 Buso Jesus ◎ J 4091
3141 Copeland W H
3146 Herrera Nemecio ◎ W 1956
Riley intersects
3211 Jeferson Street Auto Court W 8-1488
Jackson Eura T
3216 Frisk D R
3218 Hammack Arth L

JEFFERSON AV (Kensington Park)—East from 1 blk w of n end of Terrace dr
4019 Marchand E L ◎ T 6338
4038 Powell K C ◎ R 4200
4039 Higgins L V, R 6149
4052 Cosman Albert ◎ T 1-8371
Terrace dr begins
4056 Thompson V A Mrs ◎ T 2453
4060 Powell G G ◎ R 3389
Terrace ct intersects
4080 Houghton True O ◎ R 0725
Kensington dr intersects
4125 Allen Emma, T 4694

JELLETT (Morena) — East from 3300 Morena blvd
4224 Heinecke F V H Mrs ◎ W 4094
4224½ Porter Wm ◎ W 4094
4232 Robinson Gus ◎ J 7342
Denver intersects
4245 Karr E L, J 6045
4336 Patterson Wm ◎ J 8646
Erie intersects
4445 Hammerer F X ◎ J 1155

JENKINS (La Playa)—West from San Elijo

JENNER (LaJolla)—West from 970 Prospect
8006 Murphy E F Realty Co G 5-3136
Mullis W G ins agt G 5-1260
8008-10 Mills Mansfield inv trusts G 5-6158
8012 Keppler Jos ◎ G 5-6476
8045 LaPosado Little Hotel G 5-9973
Roberts M F Mrs
Coast blvd intersects
8107 Vacant
8107½ Darby J M Mrs G 5-7555

JENNINGS (LaPlaya)—West from 900 San Gorgonio
3539 Carmody M R ◎ B 4187
3544 Fish E A ◎ B 2-3064
3549 Huddleston J E ◎ B 0283
Albion begins
3557 Ewart H G, B 8952
3565 Smith R E ◎ B 1098
Silvergate av ends
3619 Stormes J P ◎ B 7277
3627 Kite D E ◎ B 6824
3627½ Kittle Eug, B 5003
3703 Nunes J C ◎
3711 Nargas M G ◎ B 2-2805
3712 Betts J H ◎ B 1441
3719 Ashley C L ◎ B 2-2834
3720 Lollis Edw L
3727 Gahan F E ◎ B 2-2025
3728 Blackburn G A ◎ B 2-2634
3735 Walker F A ◎ B 2-2250
3736 Hawkins L W ◎
3743 Blake Francis C, B 2-2858
3744 Thomas J B ◎ B 2-2534
3751 Sears J S ◎ B 2-3075
3752 Stevens H W
3759 Donohoo F R ◎ B 2-1877
3760 Anderson D C ◎ B 2-1824
3767 Bourne H N ◎ B 7646
3768 Petz J R ◎ B 2-2214
3776 Johnson A E ◎
3802 Santos T R ◎ B 2-3624
3803 Schoen Edw ◎ B 5541
3810 Connor T J ◎
3811 Quick H B ◎ B 6171
3817 Monroe Buster, B 9905
3818 McFadden W B ◎
3823 Klein R A ◎ B 7817
3824 Lozier Edw ◎
3829 Blake R E ◎ B 2-3636
3830 Reynolds M J ◎ B 2-1554
3835 Boyer F M ◎
3836 Phillips D F ◎
3841 Hall G E
3842 Daniels P E ◎
3847 Tarshes M D ◎ B 2-1914
3848 Stewart C F ◎ B 2-3584

JENSEN—North from McCandless blvd, 6 w of Vesta
2401 Vacant
2402 Vacant
2403 Vacant
2404 Bell E S, F 5038
2411 Vacant
2412 Vacant
2421 Vacant
2422 Vacant
2423 Sandifer G N
2424 Singleton L C
2429 Vacant
2430 Hare P R, F 9-3663
2431 Young C E, F 6551
2432 Vacant
2439 Vacant
2440 Taylor M G
2441 Vacant
2442 Lowry G L
2449 Vacant
2450 Lewis C B
2451 Vacant
2452 Neighbours R J, F 9-3653

JERSEY COURT (Mission Beach)—East and w from Mission blvd, 6 n of Amusement Center
702 Andersen Larence ◎ H 8-0367
715 Vaughan L A Mrs ◎ H 8-3145
717 Voss M Mrs H 8-0128
719 Penwarden R S ◎ H 2692
722 Rundahl F M ◎ H 8-2474
725 Roper R E, H 8-1064
726 Seibold Henry ◎ H 8-5116
727 Stelle A E
729 Wisely J E, H 8-1560
731 Carroll T C
732 Carver A H, H 8-7713
733 Marks H E
738a Hultberg E K
738b Neilsen H Mrs
740 Robinson M L Mrs ◎
Evitt Carroll F, H 8-0386

JEWELL (Pacific Beach) — North from 4 blks s of 1700 Pacific Beach dr
3309 Jones F A ◎ H 8-5773
Risinger W F
3315 DeDiemar J L ◎ H 8-7555
3316 Jones A L ◎ H 8-1834
3321 Bell O W ◎ H 8-9708
3324 Halsey W H ◎ H 8-5574
3329 Seiler G A ◎ H 8-3352
Eden dr intersects
3403 VanderPutten H D ◎ H 8-3063
3404 Sawyer F M ◎ H 8-2946
3409 DeBolt E C ◎ H 8-7634
3415 Hubbard Jane M ◎ H 8-3122
3416 King K V, H 8-7301
3421 Bjornstad J A ◎ H 8-4630
3422 Daugherty R R ◎ H 8-8052
3428 Johnston W O ◎ H 8-4295
3434 Hatch A N ◎ H 8-4378
3439 Blackwell E J ◎ H 8-7661
3440 Frohn G H ◎ M 8-5484
3448 McCollum J S ◎ H 8-4711
LaCima intersects
3500 Anderson E G ◎ H 8-2491
3509 Kerns J Mrs ◎ H 8-2975
3510 Vacant
3515 Staum J P ◎ H 8-8158
3516 Whitney R K ◎ H 8-9657
3520 Staples W F ◎ H 8-5338
3521 Pressler M K ◎ H 8-2305
3528 McHolland J W ◎ H 8-5242
3529 Meyer P V, H 8-4786
3535 Houser L C ◎ H 8-3086
3536 Cannon H H ◎ H 8-4130
rear Cannon G Mrs H 8-5696
3542 Metheny Marie H

JEWELL (Pacific Beach)—Contd
3548 Lewis J W ◎ H 8-1814
3553 Phair R E ◎ H 8-3905
3554 Vacant
3559 Vacant
3560 Boren M M Mrs ◎ H 8-8908
3565 Potter C F Mrs
3566 Perryman J W ◎ H 8-2024
3573 Sheggrud Melvin ◎
3574 Shattuck M B ◎ H 8-1824
LaMancha dr intersects
3579 House J Q ◎ H 8-9507
3580 Leonhardt A R ◎ H 8-8549
3604 Ervay C E ◎
3605 Ockerman D H ◎ H 8-2978
3609 Small A K ◎ H 8-9764
3610 Gibbs H I ◎ H 8-3865
3615 Huebsch H G, H 8-4216
3616 Cunningham D C ◎ H 8-9642
3621 McFarland R J ◎ H 8-2074
3622 Robison C W, H 8-7591
3627 Hession J W ◎ H 8-0465
3628 A'Neals C R
3633 Weber Lillian O ◎ H 8-3195
3634 Biernacki J E ◎ H 8-5556
3639 Curtis H C ◎ M 8-2384
3640 Harris W F ◎ H 8-8730
3645 Kennedy R J ◎ H 8-3818
3646 Clark Kenneth ◎ H 8-3988
3651 Bryce T A, H 8-1260
3652 Bitterlin L J ◎ H 8-8093
3655 Ward I F ◎ H 8-1884
3658 Ruddell G D ◎ H 8-7265
3663 Liles H P ◎ H 8-3685
3666 Shultz R W ◎ H 8-0435
3680 Vacant
3681 O'Neill S B ◎ H 8-2686
3684 Schmidt E R ◎ H 8-3957
Moorland dr intersects
3711 Varner H A, H 8-4264
3715 Curtis D N ◎
3716 MacDonough R S, H 8-7914
3731 Coyner L Mrs ◎ H 8-5322
3742 Dunn A H jr ◎ H 8-8243
3750 Makepeace A D ◎ H 8-2104
3758 Bailey L R ◎ H 8-8514
3759 Belor E J ◎ H 8-6682
3764 Lackey W L, H 8-0400
3770 Prestipino Frank ◎ H 8-2833
3776 Caple J T ◎ H 8-4283
3777 Haney J H, H 8-2718
LaPlaya av intersects
3807 Cote R K, H 8-7330
3810 LaDue N C
3811 Dick R S jr
3814 Wells J P
3819 Frost J H
3820 Mills W A
3823 Stewart J L
3824 Sibold D M
3829 Barker H D, H 8-1257
3830 Vacant
3834 Blanton E B, H 8-1229
3835 Barett B C Rev H 8-1329
3840 Spellman E C, H 8-8453
3841 Larson M Parl
3846 Crowder N M, H 8-6292
3847 LaBorde C S
3852 Culver A B, H 8-4057
3853 Harvey J R, H 8-7833
3858 Sally A W
3859 Looney W H jr
3863 Madden John
3864 Troupe J E, H 8-2727
3869 Vacant
3870 O'Connor R J jr H 8-9564
3877 Webb W L
3878 Barbero F J
3883 Insko M C, H 8-1861
3884 Edson J E, H 4-4967
3889 Beardsley E M
3890 Meyer W J
3903 Fairbank R E
3909 Henry C O, H 8-1184
3915 Chase H E, H 8-1086
3921 Robbins T R
3926 Naylor M E, H 8-1808
3927 Milner G H, H 8-8433
3932 Vacant
3933 Moore C K, H 8-9120
3938 Fenier J J, H 8-0188
3939 Nelson H C, H 8-8462
3944 Fitzgerald R E
3945 Shaner C H, H 8-2002
3950 Rutledge J W, H 8-8612
3951 Bennion T C, H 8-2813
3956 Jacobsen S L
3957 Dameron A E, H 8-8831
3962 Vacant
3963 Tompkins G C
3968 McCrea R H
3969 McBride W J
3974 Spalding J E, H 8-9667
3975 Vacant
3980 Hoppe A W
3981 Flood G G
3986 Winfrey J A jr
3987 McKinley H W, H 8-0206
4003 Emlaw E J Mrs H 8-5892
4023 Reed R I ◎ H 8-1556
4031 Vacant
4039 Reed D O ◎ H 8-5842
4049 Heil L C ◎ H 8-7461
4053 Wright G T, H 8-1548
4057 Runyan P J ◎ H 8-9568
4065 Cooke Fredk ◎ H 8-4975
4071 Atkins G T ◎ H 8-2411
4081 Wievez R G ◎ 8-2351
Pacific Beach dr intersects
4104 Borek A S ◎ H 8-3674

KEATS ST 1952

KEARNEY AV—Contd
2247 Adona Florendo, F 3217
2251 Beauloye Henry, F 1645
2252 Cubero Hasum, M 2208
2253 Beauloye Henry ◎
2254 Humphreys M H ◎
2257 Hume Cath Mrs ◎ F 0238
2258 Darisay Manuel ◎ F 9-7304
2259 Vacant
2262 Pinones Marcos
2265 Daos Fermin ◎
2266 Lopez Alfonso
2272 Martinez Albert ◎ M 5902
2277 Mitchell K W ◎ F 9-6465
2283 Meza Laura
2284 Iglesia Apostolica Ch
2287 Vacant
2290 Young H O, F 7842
2294 Troutman P S, M 8-2526
2296 Fisher Elwyn, M 2489
Secord intersects
Marcey intersects

KEARSARGE ROAD (La Jolla) — East from 7750 Crespo, 1 s of Soledad av
1516 Wiegle Edw ◎ G 5-4296
1521 Zinke L P ◎ G 5-7643
1538 Keith Carl ◎ G 5-3186
1601 Ullrich F D ◎ G 5-3157
1627 Tolerton P L ◎ G 5-6568
1642 Olney R F ◎ G 5-7826
1657 Loeber P C, G 7606
1665 Perkins J R ◎ G 5-1117
1721 Richards G S Mrs ◎ G 5-4530
1730 Holly J A ◎ G 5-6944
1745 Skiles Sarah Mrs ◎ G 5-3938

KEATING—Northwest from 3800 India
3553 Harbaugh D Y ◎ J 3717
3553½ Pettie A R
3555a Ward J L
3555b Chapman Fredk
3555c McCaffrey E T ◎ W 6794
3568 Dougherty M K Mrs ◎ J 3282
3569 Haulman M E ◎ J 1208
rear Vacant
Guy intersects
Linwood intersects
3665 Houghton H P ◎ J 3800
3670 Glover M B Mrs ◎ J 1047
Hall C H
Phillip G H
Sering F W ◎ W 8-2894
3676 Miller H A, W 8-3228
Puterbaugh intersects
3710 Murillo J B ◎ J 8590
3746 Horton C E ◎ W 4072
3754 Schuba S A, J 2845
Torrence intersects

KEATS (Roseville) — Northwest from 2 blks s of 1600 Rosecrans
2810 Hollaway Isa E
2811 MacDonald Norman ◎ B 1067
2823 Gibbons M M Mrs ◎ B 8403
2827 McCall Carmen, B 4878
2838 DeLaPaz Arth ◎
2840 Hodges F S
2844 Field W B ◎ B 1237
Scott intersects
2905 Roderick Jos ◎
2909 Rich S A ◎ B 1708
2919 Adams L L Mrs ◎
2929 Murrin J E, B 6400
2933 Faley A W, B 2-3411
2935 Hoffman F C, B 3183
2937 Bechtol Wm
Rosecrans intersects
3021 Motta Carrolos ◎ B 2-3364
3027 Schulman Herman, B 7581
3035 Baker O R ◎
3047 Lawhead L N
3045 Price S S ◎ B 2-1211
Locust intersects
3105 Farinha John, B 2-3225
3111 Garcia Alf, B 4225
3112 Rodrigues F P ◎ B 2-2821
3119 Costa F L ◎ B 6598
3120 Sullivan J L ◎ B 6174
3125 Moniz M J jr, B 2-3824
3126 Stockwell G W ◎ B 6568
3127 Wanner R G
3128 Eby John R
3134 Wilson W O, B 2-3250
3135 Romondo Tony ◎
3136 Gouvela Augustine, B 2-2936
3143 Lira M P ◎ B 7701
3144 Calabrese Jos ◎ B 8286
Evergreen intersects
3204 Jones W B ◎ B 5503
3205 Brannon J C ◎ B 3825
3211 Daffin J C ◎ B 0468
3212 Vacant
3219 Cardosa E A ◎ B 6154
3220 San Martin P A ◎ B 6563
3227 Wyrostek E J ◎ B 0273
3228 Lyerla A E ◎ B 8301
3236 Crone G A ◎ B 7031
3418 Wedge H C ◎ B 8959
3419 Nascimento M A ◎ B 8813
3427 Landeen A V ◎ B 1557
3428 Blaylock A J ◎ B 2-1915
3441 Markee C S ◎ B 5537

KEELER AV—West from 1 blk s of National av bet Newton and Boston avs
4201 Jabben L H ◎ M 4-4155
4204 Nelson Jack ◎ M 4-5448
4211 Gregory Herbert ◎ M 4-3403
4212 Gibson R L, M 4-6726
4214 Campbell Marguerite D
4216 Condis John, M 4-5026
4221 Huggins W H ◎ M 4-7434
4230 Sinai Aaron ◎ M 4-2277
4231 Becerra R D ◎
4236 Oberlies L D ◎
4238 Vaughn H L
4244 Ferkovich S S ◎
43d intersects
4316 Spence J D ◎ M 4-4471
4317 Corey G H, M 4-2240
4325 Escalante G V ◎ M 4-3523
4328 Ricca E E ◎ M 4-5712
4331 Sinks A T ◎ M 4-1832
4338 McElroy Eric ◎ M 4-2287
4339 Worden L H ◎ M 4-2225
4343 Roy E A ◎ M 4-5509
4346 Burkett W J ◎ M 4-2417
4352 Laird V M Mrs ◎ M 4-5098
4355 Marthis H A Mrs ◎ M 4-3051
4360 Webster H E ◎ M 4-2490
4365 Wolf R L ◎ M 4-1290
4368 Raikes R D ◎
4379 Gibbs L G Rev M 4-2180
4382 Lulue Wallace ◎ M 4-1297
4385 Blankenship J H ◎ M 4-1458
4386 Callian D J ◎ M 4-1263
44th intersects
4404 Curtis K M ◎ M 4-2103
4405 Vujovich J T ◎ M 4-4221
4409 Burns W J ◎ M 4-3524
4412 Cook J W ◎ M 4-1294
4415 Cherneski Cla ◎ M 4-3079
4416 Williams R E ◎ M 4-3970
4421 Burkett G W ◎ M 4-4508
4422 Fritz H M ◎ M 4-3419
rear Vacant
4425 Gillespie W L ◎ M 4-6157
4428 Bates J F ◎ M 4-1346
4433 Lopez P M ◎ M 4-5638
4434 Franklin M L Mrs ◎ M 4-4572
4440 Todd H P ◎ M 4-2398
4445 Winegar H J ◎
4446 Marantz M M ◎ M 4-4306
4453 Walsh C T, M 4-7371
4454 Andrews H F ◎ M 4-1274
4465 Dugan J J ◎ M 4-1850
45th intersects
4509 Hammer E W
4510 Miller J E
4517 Bewick W J
4518 Welch A P
4519 Vacant
4521 Clovis T H, M 4-3091
4523 Finley D R
4526 Peterson D C
4530 McCool J A
4531 Williams J H
4533 Parovani E R
4535 Diaz Inacio
4536 Lee J C, M 4-7000
4537 Crook H L
4539 Leach R F
4541 Carter H C
4543 Raymond Richd
4545 Smith D C
4551 Hart C H
4553 Gibson E L
4555 Brackin W B
4557 Kelly E L
4559 Chandler M H
4561 Beall D L
4563 Agidius T H, M 4-6730
4565 Steel P M
4570 Clenney R L, M 4-2055
4572 Rogers E L, M 4-6672
4574 Keller R E
4575 Preble Housing Project
M 4-4920
4576 Barret Walter
4578 Evard E C
4580 Sparks M E
4582 Winters W F
4584 Stickney R D

KEENEY (LaMesa Hts)—North from El Cajon blvd, 1 e of 73d (See LaMesa info)

KELLOGG (LaPlaya)—West from 1 blk e of 350 San Antonio av
2801 Stump B M ◎ B 4008
2802 Clark L P ◎ B 4950
San Antonio av intesects
2921 Fernandes John ◎ B 6869
2926 McClanahan O B, B 1217
2927 Thompson Nelson ◎ B 8004
2928 Guthrie Alma, B 7622
2930 Prost Eug, B 0890
2932 Basler J W
2934 Kerns V S, B 2-3855
2940 Wehr R M ◎ B 6709
2945 McConnell F W ◎ B 4888
Rosecrans intersects
3006 Beadnell H K Mrs ◎ B 5607
3018 Cabral J F ◎ B 0433
3023 Wood R L ◎ B 1073
3025 Wallack M S, B 2-3619
3027 Sage W E
3028 Sutliff J W, B 0143
3029 Sayre J M
3030 Clark Carolyn L, B 0542
3031 Maloney W A, B 6766
3034 Casa LaPlaya Apts
Helen J R
3036 Freeland R A, B 2-1737
3038 Dawson O E, acct B 1898
3040 Thompson Cath B, B 6092
3042 Walton A W
3043 Correia M F ◎ B 3539
3044 Weller D B Mrs, B 8795
3046 Smith Todd
3048 Emilia L V
3050 Murphy K R
3052 McKim M C Mrs B 1371
3054 Kanter R B Mrs B 8327
3056 Legett B J jr
3058 Lien V I Mrs, B 0647
3060 Zuest M S, B 8254
3062 Garcia L S, B 2-2581
3064 McKig R E, B 6829
3066 Brown A Mrs B 7401
SanElijo intersects
3111 Mehlin G B ◎ B 6063
3128 Lustig R F ◎ B 3491
3145 Clark R J ◎ B 4778
SanFernando intersects

KELLOGG ROAD (LaPlaya)—West ½ block from end of Kellogg
3300 Fox J H ◎ B 5941

KELLOGG WAY (LaPlaya) — Southwest from end of Kellogg
3404 Funcheon G F ◎ B 2-3800

KELLY (Linda Vista)—South and sw from Comstock to Tait, 1 w of Linda Vista rd
6504 Keebaugh H E, W 7-3304
6506 Reinwand R L, W 7-1017
6508 Sprague E F, W 7-0254
6510 Foster J B, W 7-3950
6515 Gay S S, W 7-1410
6517 Dix S A
6519 Strand R L, W 7-0427
6520 Cozlahr M W, W 7-4386
6522 Twyman E V, W 7-2743
6524 Beemer G L Mrs, W 7-3431
6526 Weber H Q, W 7-2580
6530 Brittain F O ◎ W 7-4354
6531 Youngblood C D, W 7-2011
6532 Merks A E, W 7-1085
6533 Bennis R M, W 7-3467
6534 James David
6535 Junker B E, W 7-1734
6536 Gadur R G, W 7-1543
6537 Baker O R
6539 Vacant
6540 Gonzales Elvires, W 7-2421
6541 Fonville J M, W 7-2680
6542 Hanson W N, W 7-2108
6544 Cormier N T, W 7-1555
6546 Seymour-Scott A F,
W 7-3148
6550 Kibbey Enid Mrs, W 7-4111
6551 Edmonds R D, W 7-2010
6552 Ulibarri Max, W 7-2348
6553 Curry J N, W 7-3150
6554 Shelton J A, W 7-3380
6555 Meatheringham D W
6556 Ryan B G, W 7-1412
6557 Bennett D A, W 7-4003
6559 Collins J A, W 7-3345
6560 Cook W W, W 7-1852
6561 Olsen E F, W 7-0394
6562 Laurence E G, W 7-3161
6564 Pilney J A
6566 Allen F B, W 7-3022
6601 Williams G E
6603 Drosi A J, W 7-3039
6604 Manion E V, W 7-1770
6605 Swope T D, W 7-2282
6606 Russell E D, W 7-0653
6607 Wiliams J J, W 7-3124
6608 Quintana M M Mrs, W 7-0763
6609 Hay J R, W 7-1630
6610 Frazer Wm, W 7-3621
6611 Buzzelle L J, W 7-4311
6615 Payne H R, W 7-2399
6617 Murphy Milton, W 7-2896
6620 Leszczynski L V
6621 Plagg L V, W 7-1753
6622 Thom M G, W 7-2113
6623 Hood Frank, W 7-4247
6624 Albin G L, W 7-2695
6625 Merwin R B, W 7-0143
6626 Carroll M C Mrs, W 7-1323
6627 Mynatt L E, W 7-1117
6629 Stevens A L, W 7-2955
6631 Espinoza D T
6641 Stone Harold, W 7-1520
6643 Vacant
6645 Branson E C, W 7-1775
6647 Moser C W, W 7-1645
6649 Vacant
6651 Eppley V L, W 7-0058
6653 Ernest E A, W 7-2692
6654 Menogne M F
6655 Fernandez Peter, W 7-3811
6657 Higginson H L
6658 Myers H L, W 7-0932
6659 Almond J S, W 7-1821
6660 Purser W R
6661 Levi J G. W 7-1848
6662 Olson J R
6663 McBurnie C W, W 7-3105
6664 Donatello Frank
6665 Harmonay E J, W 7-1648
6666 Smith N E
6667 Smith G W, W 7-2289
6668 Lon B F
6669 Szewzuk J S
6670 Brinks Theo, W 7-2513
6671 Aguiar Geo, W 7-0306
6672 Ackley R R, W 7-2014
6701 Levy Mathieu, W 7-1910
6702 Brisendine M C
6703 Fillhart F S. W 7-3287
6704 Cameron B C
6705 Ray W B, W 7-3434
6706 Milstead M D

KELLY (Linda Vista)—Contd
6707 Harris H S, W 7-0116
6708 Jones D M, W 7-2179
6709 Wetzell W W, W 7-3177
6711 Warner L G
6712 Ruiz S L
6714 Hathaway C W
6715 Rolin C A, W 7-0050
6716 Pfingsgraff John, W 7-4199
6717 Anderson A H, W 7-1914
6718 Williamson A F
6721 Koch Mary Mrs W 7-2597
6723 Dudley R W
6724 Handley A D, W 7-2276
6725 Kell Terry, W 7-0152
6726 Mueller J H, W 7-3350
6727 Heald H L, W 7-3286
6728 Monahan E N, W 7-1943
6729 Minor C D, W 7-2365
6730 Coons E B
6731 Paquin M P, W 7-4031
6736 Fertch M J, W 7-2211
6738 Gray R M, W 7-0813

KEMPER—Between Frontier and Midway dr, 1 w of Dartmouth
3351 Phelps F V, B 0903
3357 Ciarrocca Lou, B 4835
3361 Molina J C
3365 Stevens A L, B 4907
3369 Stewart F C
3373 McAnear M E
3377 Hettinger C W, B 8139
3383 Shelar Eug, B 9983

KENDALL (Pacific Beach)—North from 1800 LaPlaya av
3811 Farlee Florence Mrs ◎
H 8-2617
3816 White V C ◎ H 8-7889
3818 Constable C H, H 8-2003
3820 Morrow W B ◎
3822 Jung J B
3823 Vacant
3826 Scott Virginia Mrs ◎
H 8-5469
3833 Sturgeon L F ◎ H 8-6376
3838 Hord Donald sculptor ◎
H 8-2558
3853 Maris J R
3859 Smith R J ◎ H 8-7083
3867 Jeffers J E ◎ H 8-5119
3868 Vacant
3874 Bennett L E ◎ H 8-1561
3875 Cornelius F A ◎ H 8-4489
3880 Schneider F W ◎ H 8-6324
3883 Sullivan Thos ◎ H 8-9742
3886 Burt Roy ◎ H 8-9847
3891 Montney F L jr ◎ H 8-6946
Roosevelt av intersects
3906 Sargent E M, H 8-3568
3911 Christopherson H T
3914 Millican D A ◎ H 8-7797
3917 Perry Provis T ◎ H 8-7985
3921 Squires A L ◎ H 8-6694
3924 Sphatt C W ◎ H 8-2174
3926 Walters F W
3927 Crosby H A ◎ H 8-5194
3935 Duncan J R ◎ H 8-6501
3943 Ruth W H ◎ H 8-2098
3951 Roy D W ◎
3959 Bayne R E ◎ H 8-8053
3967 Haley G F ◎
3972 Schwartz R A jr ◎ H 8-2142
3975 Roberts J W ◎ H 8-5424
3976 Smith L E ◎ H 8-0172
3983 Livermore R S ◎ H 8-9177
3984 Tonsager A E Mrs ◎ H 8-6857
3993 Lenhart LeRoy ◎ H 8-3910
Fortuna av intersects
4004 Lewis Glen, H 8-0189
4005 Larson L A ◎ H 8-2319
4012 Langland A H, H 8-6535
Willey R E, H 8-6836
4015 Delamater H O, H 8-9884
4017 Yates Curtis
4020 Balliet Jack ◎ H 8-2046
4023 Scheck E H
4027 Powers W H ◎ H 8-7090
4028 Leap C H ◎ H 8-9749
Chico intersects
4047 Barnes J E, H 8-5910
4050 Ryan T C jr ◎ H 8-3144
4057 New W C ◎ H 8-4694
4060 Bolinger M B Mrs H 8-5483
4065 Seitz J A ◎ H 8-5879
4073 Rector Alta M ◎ H 8-6350
4080 Bowman R W ◎
4083 Gorsuch W P ◎ H 8-9300
4085 Field Georgia Mrs ◎
H 8-6620
Pacific Beach dr intersects
Oliver dr intersects
Reed av intersects
4260 Barnes N T Mrs ◎ H 8-6036
4260½ Barnes J H ◎ H 8-8634
4275 Lovejoy F J ◎ bldg contr
H 8-4722
4280 Jones W H ◎ H 8-9590
4288 Ratz J W ◎ H 8-2395
4291 Goodwin A D, H 8-5794
Thomas av intersects
4305 Ortiz Raymond, H 8-5659
4316 Erwine D E ◎ H 8-8536
4330 Cumpton C B ◎ H 8-7871
Grand av intersects
4410 Hanson D A, H 8-9895
Hornblend av intersects

C

SCHOOL—Contd
3463 Woo Geo, R 9182
3468 McAllister E H, R 2581
3469 McGinley D H ◎ T 5772
3475 Evans Milton ◎ T 0514
3481 Adams John Sch R 1158
3491 Adams John Sch
Public Library br

SCHUYLER (Paradise Hills)—See National City Street and Avenue Guide

SCIMITAR DRIVE (Encanto)—North from 6300 Bway to Klauber av, 1 e of 60th
6203 Stitt L L ◎ M 4-5020
6207 Horrie H G ◎ M 4-6936
6241 Emerson C H ◎ M 4-6289
6249 Cushman Ernest ◎ M 4-4051
6252 VanDine J E ◎ M 4-3205
6275 Fullerton H A ◎ M 4-5065
6295 Regnier Jos ◎ M 4-7352
6300 Meise E W ◎ M 4-4073
6305 Cramer D H, M 4-5711
6320 Kinstler L A ◎ M 4-3727
6323 Greer A L, M 4-3982
6336 Knouse W E ◎ M 4-4698
6359 Hulett W G
6370 Perry I O Mrs ◎ M 4-2612
6374 Field C H ◎
6378 Jira J S
6383 Face E W ◎
6390 Larkins John ◎ M 4-3246
6394 Ryan L E Mrs ◎ M 4-3734
Winnett intersects
Wren intersects
6418 Cornell Berton ◎
6448 Gesiakowski Anthony ◎
M 4-4446
6452 Ramirez R P ◎ M 4-3609
6462 Stromquist M T Mrs ◎
6470 Wood Ada Mrs M 4-3289
6471 Shaw A N ◎ M 4-3057
6530 Maple L G E, M 4-4701
6535 Miller R C ◎ M 4-2349
6555 Lowry Everett, M 4-6985

SCOTT (LaPlaya) — North from Bessemer, 1 e of Rosecrans
904 Tolle Muriel, B 0066
Tolle N W, B 0066
914 Willardson C L ◎ B 4124
924 Herreshoff C F ◎ B 1375
928 Medina M M ◎ B 3823
939 Wyatt F K ◎ B 9655
940 Grihalva R A ◎ B 6406
960 Rice L J jr ◎ 9950
969 Allen Thos J ◎ B 5579
972 Fisher H G ◎ B 8310
975 Sayre-Smith W T ◎ B 8279
976 Mascarenhas — ◎ B 7011
980 Courts Jennings ◎ B 2-3950
983 Rogers W C ◎ B 4417
989 Card J O ◎ B 6537
992 Neves Manuel jr ◎ B 2-1381
Talbot intersects
Upshur ends
1050 Sanfilippo M L, B 7571
1060 Silva M Y ◎ B 8958
Canon intersects
1110 Smillie J F ◎ B 8331
1128 Vaccant
1130 Maryetta Beauty Shop,
B 3385
1148 Gonsalves M O, B 3308
1108 Correia M A
Addison intersects
1205 Avery G J, B 0973
1211 Gentile Frank
1223 Villano Mary, B 8508
1227 Goularte J B, B 0321
1229 Braga Vincent
1275 Silva Mary Mrs ◎ B 7089
Dickens intersects
1326 Vacant
1352 Hopkins F C, B 1710
1358 Gann J A, B 2-2227
Fenelon intersects
1552 Johnson Lou ◎ B 4682
1554 Mojzis Emil, B 2-2979
1575 Abreu F C, B 6665
1575B Madruga A F, B 1968
Jarvis intersects
1605 Vacant
1607 Harris M W, B 4629
1619 Bagwell W B, B 2-2902
1621 Hobbs Grace L
1657 Clancy S B, B 8318
1669 Echols J J, B 4935
Lowell intersects

SCRIPPS GRADE (LaJolla)—North from end of Torrey Pines rd

SEA LANE (LaJolla)—East from 4 blks w of 7300 LaJolla blvd
302 Ashbaugh M M Mrs ◎
G 5-3156
303 Moore Stanley, G 5-4406
305 Lipe J T ◎ G 5-2226
306 Vacant
307 Trent R J ◎ G 5-2766
Vista delMar intersects
340 Dale F S ◎ G 5-6035
Monte Vista av intersects
349 Burdette D D Mrs ◎ G 5-3681
359 Jeffery Wm ◎ G 5-4182
425 Fogel S H ◎ G 5-4357
440 Royal K K Mrs ◎ G 5-2522
Olivetas av intersects
441 Barr Hester
Wood V H Mrs G 5-7419
445 Vacant
448 Allely G P Mrs G 5-3298
450 Ansted I H Mrs G 5-6024
454 Fleming J C, G 5-7255
460 Hollington Maude Mrs
G 5-1660
470 Highleyman Daly ◎
G 5-2814
LaJolla blvd intersects
503 Kaufmann Norman
511 Acker N C Mrs ◎ G 5-2639
520 Schwartz C F ◎ G 5-3317
521 Hall J F
530 Mattox P R Mrs ◎ G 5-2438
536 Keele R D ◎ painting contr
G 5-4421
545 Ray C E, G 5-1807
546 Wilcox Helen ◎ G 5-1363
550 Sylvada Harold
551 Pinnell G L jr ◎ G 5-6302
552 Carson W F ◎
554 Weber J D, G 5-1379
561 Harpham C E, G 5-3933
563 Kite W H ◎
571 Muhl Anita ◎
Cuvier intersects
Draper av intersects
611 Buitenhuys B W, G 5-1838
614 Under construction
621 Berberich F J, G 5-3585
622 Vail R M, G 5-1198
624 Wendt W R, G 5-6976
625 Vacant

SEA BREEZE DRIVE (Paradise Hills)—See National City Street and Avenue Guide

SEAGIRT COURT (Mission Beach)—East and w from Mission blvd, 29 n of Amusement Center
702 Eckles O F ◎ H 8-2371
704 Mills P H Mrs H 8-1838
707 Waldman S W, H 8-9637
708 Miller P P
711 Price Randall, H 8-1118
712 Simon J J, H 8-3969
715 Sides R P, H 8-7281
719 Frank C L, H 8-4242
720 Erlwin E A S ◎ dentist
H 8-3348
723 King K W, H 8-5678
724 Duke C J
Mission blvd intersects
802 Clarke Jean ◎
806 Morris Gertrude Mrs ◎
811 Vacant
811½ McLean G L
814 Turner R C, H 8-0083
818 Springgate E R ◎ H 8-6875
819 Melton C F, H 8-6575
819½ Kamprath Marilyn,
H 8-6793
821 Isgrigg F L ◎ lwyr
825 Caldwell Lilly E
826 Smith Clara Mrs ◎
829 Rossow M A, H 8-4183
Bayside walk intersects

SEA ROSE PLACE (LaJolla)—North from Forward, 3 w of 5600 LaJolla blvd

SEASIDE (Ocean Beach)—Northeast from 4550 Voltaire
2210 Barreras E V, B 2-3072
2215 Wylie J M ◎ B 8218
2216 Ford Roy
2218 Forsyth W R ◎
2221 Hoehner Julius ◎
2224 Jeffreys J L ◎ B 5839
2225 Stough A M ◎
2226 Thompson A B Mrs ◎ B 5150
2232 Edwards H E, B 2-2491
2233 Hickok S R ◎ B 3294
2234 Knight E H, B 2-3615
2239 Harris S J
2240 Haynes Jesse
2242 Vacant
2246 Knepp C S ◎ B 6286
2252 Young J L ◎ B 0816
2253 Gastellum R Y ◎ B 3452
2255 Harris O C
2256 Jensen H S
2258 Wilson E C, B 2-2974
2260 Dunn C E, B 2-3802
2262 Wayne R S
2270 Black W A ◎ B 3216
2273 Cole G W ◎ B 3783
Green intersects
2303 Maconnell H E ◎ B 0695
2304 Hubbard Arth ◎ B 3368
2310 Hemler A L
2311 Conaway H W ◎ B 9755
2319 Chipp L L
2327 Kelly W J, B 3868
2345 Fold S G ◎
rear Weber A W ◎ B 0635
Larkspur intersects
2352 Dodge I D
2353 Bumbaugh R J ◎ B 8632
2360 Gresham W R
2361 Hutchinson C R ◎
2365 Strom A A ◎ B 2-3839
2367 Ferrin E W ◎ B 4344
2375 Kier D D, B 5825
2387 Mallory J D ◎ B 8767
Castelar intersects
2414 Bogue S H ◎ B 6585
2424 Seely W F
2426 Kobbervig B J
2430 Althouse C F, B 4306
2440 Gutstadt J P
West Point Loma blvd intersects

SELDON COURT (Linda Vista) — North from Linda Vista rd, 1 w of Bullock
1508 Fay G H, W 7-0654
1515 Matthews K H
1520 Poehlman E F, W 7-1932
1521 McCay G R
1524 Cochran H H, W 7-3491
1525 Kole Silvia L
1528 Barend F F, W 7-2464
1529 Barnett C J
1535 Deaette E M, W 7-2507

SELLERS DRIVE (Navy Defense Housing Unit No 2)—Northwesterly continuation of Gannon dr
2901 Whittier W A, B 2-3403
2903 Vacant
2905 Higgins V H, B 2-2596
2907 Vacant
2911 Vacant
2915 Vacant
2917 McCollum S O
2919 Vacant
2921 Scarpellino C J
2923 Vacant
2925 Bremner G W
2927 Barnes M W
2931 Vacant
2933 Biss L R
2935 Erb R F
2937 Vacant
2941 Burgess H J
2943 Ray M V Rev, B 0678
2945 Rich L H
2947 Perkins H L

SELMA PLACE (Encanto)—North from 2 blks s of 5350 Radio dr
712 Eisele G J ◎
733 Silverthorn W E ◎ M 4-2100
740 Marion H W Mrs ◎
M 4-4045
749 Cole A E ◎ M 4-2006
Suggett E O, M 4-2006
765 Adams Wm ◎ M 4-6504
766 Pickett H D ◎ M 4-4360
806 Clancy W J ◎ M 4-4574
824 Grimsley S L ◎ M 4-1227
834 Smith E C ◎ M 4-1631
835 Bender C W ◎ M 4-2167

SEMINOLE DRIVE — From 6400 ElCajon blvd
4525 Sellers J J, T 1-4346
4549 Gifford C A
4555 Gegax F L ◎ T 8293
4611 Frelinger A L ◎ R 4582
4630 Dunn H E ◎ T 9029
4635 Curtis S C, R 0169
4645 Pallas G A ◎ bldg contr
R 1820
4650 Couvrette G J ◎ R 4789
4651 Wahl J V ◎ T 6091
4665 Szarkowski F D, T 1-6598
4702 Wilson L O ◎ T 1-2707
4706 Biller T D ◎ T 1-2970
4742 Monreal Juanita Mrs
4743 DeMay Jas ◎ R 6239
4745 Pettit M J ◎ R 8366
4758 Sander M E Mrs ◎ T 1-5221
4760 Karcher C J ◎
rear Sisco Agatha, T 7065
4790 College Lutheran Church
4791 Criscenti Domenick ◎
T 1-3395
4797 Crowe H M ◎ R 9137
4799 Menz Kath Mrs ◎
4848 Sugent E L ◎ T 2360
4849 Fellowship Hall
Mueller O R, R 8686
4855 Rolando Community Methodist
Ch R 8686

SENN—North from McCandless blvd, 4 e of S 32d
2401 deRussy R G
2403 Guthrie W C, F 5946
2405 Karnowski L S, F 0954
2406 Hendrix Orville B, F 1711
2407 Vacant
2409 Barton W T
2411 Avery Vernon
2412 Vacant
2415 Bowen E K
2421 Breeden J A
2422 McLaughlin H E, 1997
2423 Fuller G R, F 9-7925
2424 Hicks Earl
2429 Hofmeister R G, M 8-1451
2430 Vacant
2431 Scholten John, F 1620
2432 Vacant
2439 Vacant
2440 Wessells Ermanno J
2441 Upton W O, F 9-7617
2442 Davis R J, F 4864
2449 Vacant
2450 Walker A L
2451 Folkes J E
2452 Ford E J, F 9-5495

SEPTEMBER (North SanDiego)—East from February, 2 n of Summer

SEQUOIA (Pacific Beach)—North from Crown Point dr, 1 e of Kendall
3820 Silberhorn P R Mrs ◎
H 8-6613
3840 Lucas Thos ◎ H 8-2131
3850 Smith G C ◎ H 8-7810
3856 Verrine Anthony
3859 Vacant
3861 Culbertson P E
3863 Vacant
3866 Baker G A ◎ H 8-3139
3886 Stinson E D ◎ H 8-6883
3892 Kaminen R W ◎
Roosevelt av intersects
3904 Etgen G V ◎ H 8-7094
3905 Breckenridge R F ◎ H 8-5459
3912 DeLozier L E ◎ H 8-9852
3919 Sack C M ◎ H 8-6778
3927 Spring R H ◎ H 8-8915
3928 Johnson O C ◎ H 8-8477
3935 Golojuch F J, H 8-6340
3936 McMullan Robt & Son pntr
H 8-5672
McMullan Robt
3942 McGovern C W Mrs ◎
H 8-9689

SEQUOIA (Pacific Beach)—Contd
3943 Waddell R M ◎ H 8-9011
3950 Magnes H D ◎ H 8-5789
3951 Carbary Jas ◎ H 8-8691
3956 Clardy R L ◎ H 8-6430
3959 White K L ◎ H 8-8785
3967 Wright D H jr ◎ H 8-7420
3968 Denson R W ◎ H 8-6771
3975 Robbeloth W J ◎ H 8-8128
3976 DeLozier Albert ◎ H 8-8022
3983 Turner J H ◎ H 8-3212
3986 Thayer G A ◎ H 8-7411
3991 Paine W F ◎ H 8-6410
3992 Littlefield W G ◎ H 8-3317
Fortuna av intersects
4011 Ackerman C J ◎ H 8-5649
4012 Oberg A B ◎ H 8-1846
4020 Argent L J ◎ H 8-7743
4021 DeGreef F R ◎
4027 Forman Frank ◎ H 8-7300
Chico intersects
4050 Llewellyn H P ◎ H 8-6413
4056 Williams C E ◎ H 8-4438
4067 Bellows K J ◎
4072 Parks J T ◎ H 8-9910
4075 Kelly F R ◎ H 8-7504
4080 Cornell G M ◎ H 8-7880
4083 Crigler R E ◎ H 8-9653
4085 Kelly F R ◎ H 8-7504
4086 Vacant

SERENA DRIVE (Paradise Hills)—See National City Street and Avenue Guide

SERRANO PLACE (East San Diego)—West from 4790 Rolando blvd to Campo dr, 1 s of ElCajon blvd
6573 Newbery T R ◎ R 7515
6575 Cuvala Geo ◎ T 1-5631
6580 Craig E E ◎ T 6757

SESSIONS COURT (Linda Vista)—West from W Rhodes
6204 Rivera Robt, W 7-2589
6205 Garner Geo, W 7-3927
6210 Eddings L H
6211 Compton Eldene R, W 7-0578
6218 Nichols H W, W 7-2965
6219 Fulton A J, W 7-3705
6225 Parsons C E, W 7-4089
6226 Roberts C A
6233 Yasuda J M, W 7-2505
6234 Stapleton Leo, W 7-0539

SEVILLE (Ocean Beach)—Northwest from Rosecrans to Evergreen bet Shadowlawn way to Malaga
3009 Crabtree Brooks ◎ B 2-3608
3023 Lohre C O Mrs ◎ B 5713
Locust intersects
3113 Storm E M ◎ B 3828
3118 Haas F S ◎ B 2-3237
3121 Morton A D ◎ B 7760
3128 Butler C P ◎ B 5993
3137 Lacy Ernest W ◎ B 2-1032
3138 Young B F
3144 Carey A W ◎ B 6735
3145 DeLong C B ◎ B 3989
3152 Barniclo E M ◎ B 2-1197
3160 Meserve S C ◎ B 6085

SHADOWLAWN WAY—West from 3030 Locust, 1 blk from Evergreen
3110 Kunkel J T ◎
3111 Briggs R P, B 7220
3120 Hagen Virginia Mrs ◎
B 3451
3121 Vacant
3130 Wetherill G G ◎ B 4327
3136 Lindsey Raymond ◎ B 5973
3141 Sanders Norma Mrs ◎ B 4609
3204 McCormack Elaine Mrs ◎
B 9146

SHAFTER (Roseville)—North from Upshur, 2 e of 1070 Rosecrans
1059 Cowden Kenneth
1061 Guidal R A
1063 Nilsson A L, B 1182
1065 Mitchell F I
1662 Cushman Ula M
Robinson M T Mrs ◎ pet dir
B 8735
1672 Malone H L
1674 Nelson L B, B 1703
Lowell intersects

SHAMROCK (East SanDiego) — South from 4143 Sycamore
2310 Spears J W ◎
2314 Williams W H ◎
2315 Miller Francis ◎
2320 Yount B W ◎ T 0254
2324 Kelley N L ◎ T 1-4968
2331 Smith C H ◎
2332 Corden Saml ◎
2333 Willis J B
2342 Sallee R I
2348 VanKampin Neal ◎
2403 Casner J E ◎
2404 Tamlyn S W ◎
2410 Connors A G ◎ T 1-8454
2415 McNaney J T ◎ R 4463
2416 Bendixen A B ◎ T 7707
2422 Loftin Nolan
2424 Blauvelt B R ◎ T 3-1934
2428 Hetrick A S ◎ T 0874

SHANNON AV—West from 4801 Rolando blvd, 1 s of ElCajon blvd
6600 Burke J W ◎ T 7335
6606 Walsh P J ◎ T 2887
6610 Frazier J R ◎ R 5454
6620 Gillean J M, T 7235 ◎
6630 Chamberlain E J ◎ T 5417
6633 Naden S W ◎ T 1-1282
6640 Frank F ◎ R 9882
6650 Fink H A ◎ R 5719
Lenore dr intersects

JARVIS ST 1948

4165ΔShepherd Harry Rev
4167 Tumber J S
4169ΔMarona J A ◎
4170 Hammack Edith C
4176ΔMiller E I Mrs ◎
4181ΔMcCleod G W ◎
4185ΔFry L C ◎
4186ΔShuyler Mabel ◎
4195ΔMcAndrews J P
Arbor dr intersects
4201ΔBuel R H ◎
4202 Herring Albt
ΔRoth C R ◎
4211ΔClos John
4214ΔBauman C B Mrs ◎
4220ΔQuinn O C Mrs ◎
4221ΔBrown A L ◎
4227ΔHughes A A ◎
4230 Ferver G W ◎
4235ΔBrandow W M ◎
Owen O E jr
4243ΔStern E L ◎
4244ΔRay K S ◎
Hunter intersects
4269ΔSquyres J E ◎
4276ΔCole J E ◎
4277ΔStretter A K Mrs ◎
4284ΔJohnson W T ◎

JACKSON — Northwest from Wallace to Chestnut
2641ΔTurner G R ◎

JAMACHA ROAD (Encanto)—East from 600 68th
6809 Griffin L W
6829 Lewis E W
6847ΔRamel W M ◎
6888ΔWilkes B T ◎
69th intersects
6905ΔWatson C O ◎
6915ΔRow K C
6935 Phillips G R
6944 Cobb A W ◎
6965ΔMichelfelder L R ◎
6971ΔBassett C R ◎
6976 Hannibal P T ◎
6987 Erickson J N ◎
70th intersects
7007 Layton A H ◎
7019 Vacant
7035ΔOwens J R
7044ΔHewett A L ◎
7068ΔEdmiston J H ◎
Pidgeon intersects
7108 Seeley A T ◎
7128ΔCox A S ◎
7136ΔHudson C L ◎
7149 Patterson F W ◎
7159 Fleming R F
7205 Woodward A L ◎
7206 Carnevalo Vincenzo ◎
7550ΔSheen G J ◎
7627 Reid A A ◎
7641 Robertson Arth ◎
7675 Reid B C ◎
7679 Martin C R ◎
7727ΔWheeler L E
7775 Dodson O P ◎
7777 Bard Kenneth ◎

JAMAICA COURT (Mission Beach) — East and w from Mission blvd, 4 n of Amusement Center
716ΔKlein C E ◎
725ΔEffron Hyman ◎
725½ΔMcCort Jessie
732ΔJacobsen W W ◎
733ΔSherman R H ◎
735 Salmon D A
737 Heeman O R
ΔUllum R L ◎
741 Byrom G H
742ΔPrentice Gordon
744ΔHill R L bldg contr
745ΔChenhall M T ◎
Mission blvd intersects
803 Bishop Gordon
805ΔSmith J J
809 Rice Leonard
810ΔFix E J ◎
815 Reed G O
815½ Orr Iva M
818ΔCarbis H J ◎
821ΔBennett W H ◎
824ΔMcMullin E L ◎
825 Frazee W R ◎
828 Vacant
829 Copley C H
829½ Campbell Frances Mrs
831ΔCampbell J W
833 Jonas L D
834ΔWerre Mary Mrs ◎
rearΔHowe J C jr
835ΔBliss E A
838ΔHilbish T A ◎
841ΔPirie W V ◎
Bayside walk intersects

JAMES (Loma Portal) — Northwest from 2900 Rosecrans
3008ΔForward F G ◎
3021ΔBuchanan Wm ◎
3029ΔReis R B ◎
3030ΔEccles E H ◎
3036ΔArnhym A A ◎
3045ΔMalcolm H A ◎
3046ΔSears G M ◎
Locust intersects
3117ΔHarris F R ◎
3120 Vacant
3128ΔWallace F F ◎
3136ΔMartinsen Louis ◎
3137 Curtis H P
3145ΔDepew E H ◎
Evergreen intersects
3211ΔNelson C A ◎
3212ΔGardner A F ◎
3223ΔStodter C E ◎
Chatsworth blvd intersects
3641ΔStephens H B ◎

JAMUL AV — South from Franklin av, 3 e of S 40th
4111ΔParsons J W ◎
4114ΔAddison Jos ◎
4117 Vacant
4133 Wilkinson J S Mrs ◎
4141 Medina J C ◎
4149ΔSilva E B ◎
4153ΔBrowning L D ◎
4154ΔWarner C A ◎
4164ΔSparrow Jos ◎
4170ΔCooper B A ◎

JANNEY COURT (Linda Vista) —East from Burton, 2 n of Glidden
6821 Elson G W
6822 Campbell W F
6831 Burris Floyd
6832 Kasten J T
6841 Hanes R W
6851 Meyers Beverly
6852 Welsh Jas jr

JANUARY (North San Diego) —North from 5050 Summer

JARVIS (Roseville) — Northwest from 2 s of 1670 Rosecrans
3843ΔLee Apartments
Abele Edw
Braga A A
Brannon Jas
Ferriera Manuel
Franks Frank
Grappella Antonio
Godfrey H E
Knox I R
Mathis C H
Medlin A W
Pauls A L
Slick Jewel Mrs
Snyder M G
Sutton John
2901 Hetland V G Mrs
2919ΔBradley M A Mrs ◎
2931ΔYetter Elmer ◎
Rosecrans intersects
3019 Bettencourt R C
3020 Dzejczyk M M ◎
3028ΔCarlos Salvador jr ◎
3036ΔRomero J G ◎
3045ΔKuklinski J W ◎
Locust intersects
3104ΔTinz Felicia Mrs ◎
3112 Garcia Alfd jr ◎
3120ΔCerveny J F ◎
3121ΔAlshouse Frank
3128ΔBreuer A A ◎
3136ΔPaula F J ◎
3146ΔSilva M J ◎
3204ΔAraujo Anibal ◎
3212ΔLopes Rose Mrs ◎
3220 Agatia Tony ◎
3228ΔMarshall H M Mrs ◎

JEAN DRIVE—Southeast from Miracle dr to Palisades rd, 1 n of Avoca pl
4704ΔBoldrick W T ◎
4720ΔWiggins Florence E ◎
4725ΔMentze G A ◎
4728ΔParry G S ◎
4740 Haney F R
4741 Swensson J A
4748ΔCampbell R A
4751ΔBudzilko F D ◎
4758 Schramm W P
4804ΔCullen M A Mrs ◎
4807ΔWoodrow A O ◎
4814ΔSmith A C ◎
4826ΔDale W H ◎
4827ΔParry G S ◎
4829 Reilly J G
4834 Gibbs R C
4846ΔWrightson Arth ◎

JEFFERSON—Northwest from 3900 Witherby
2330 Dine E P auto camp ◎
Ampudia intersects
2377 Palmer J O ◎
2383 Wright E A
Aristo intersects
Conde intersects
2405ΔHernandez F Z ◎
2427 Martinez R J ◎
2451 Lawrie W G ◎
2452ΔOrr G L ◎
2460 Chavey C G
ΔMartinez Maria Mrs ◎
2466 Williams Carmen Mrs
2468 Torres Jos
2471 Barnum S B ◎
2482 Anjo Florence Mrs ◎
2485ΔSmith M E Mrs ◎
2495 Granger E W Mrs ◎
Harney intersects
2508ΔNicol E A Mrs ◎
2522 Nie J E
2522½ΔBresler O A ◎
2523ΔCarey H H ◎
2524 Cavender W S
2530 Ojeda Jesus ◎
2535 Conrad W C ◎
2545ΔHeylman G H
ΔRobinson E B
Twiggs intersects
2615 Vacant
Smith intersects
Taylor intersects
Rosecrans intersects

KEARNEY AV—Contd
1924 Criner Felix
1926 Carreno Epefanio ◎
1929ΔDiosdado Reynoldo ◎
1932ΔBanuelos Pola ◎
1940ΔBecerra L G ◎
1945 Granados Steve
1950 Vacant
1952ΔFos E F ◎
1953 Merfield M E
1957 Spencer Frank
1960 Snyder A M Mrs
1963ΔPeraga J H
1963½ Flores Otilia P
1966 Verdugo Ernest ◎
1973 Serrano Mary
1975ΔSouza J C
1976ΔWier W H
1981ΔBohmke Erwin
1983ΔShevizoff Peter
1985ΔMarcovic Harry
1987 Trevino F F
1989 Gonzalez C L
1991 Villarino A F
1993 Vacant
1995 Tewolde John
1996 Mullen E L gro
Dewey intersects
2011 Queen J F ◎
2012 Vacant
2020ΔMontoyo Sixto ◎
2021ΔLuevano J D ◎
2023ΔKarman L J
2025 Nunez Fernando
2026 Leland Apartments ....
Bartlett M I Mrs
Graves S S
Putfelder J F
Johnson M
Leitzinger W L
Ray Bon
2029 Lira Cruz
2030 Bartlett John
2030½ Cameron O L Mrs
2031 Cesena Alfd
2032 Reed Vernon
2032½ Raught E B Mrs
2034 Nelson A P Mrs
2034½ Acolve Steph
2035ΔWelch R R
2037ΔNordstrom H M Mrs
2038 Strehlow H A
2040ΔDaughtrey H W
2042ΔKniesel T L ◎
2045 Ekman A R
2049 Pierce W C ◎
2252 Humphrey M H ◎
2054 Humphrey Russell ◎
2058 Bustos Cruz
2060 Romero Irene ◎
2061ΔUlloa F C
2069 Reyna Lila Mrs
2070 Maltes Edwardo
2075ΔAmes O S
2078ΔPitts A W ◎
2084ΔOrtega Carlos ◎
Evans intersects
2103 Ferrez R T
2104 Bates F N
Farrell J B jr
Wheeler L L
2106 O'Guin J H
2111 Vacant
2115 Cruze G A
2118ΔLabao D P ◎
2120ΔSgobassi Amelia Mrs ◎
2127ΔAust C W ◎
2130 Koide Henry ◎
2135ΔChavez S P ◎
2140 Vacant
2145 Baldelli Emil ◎
2146ΔWebb John ◎
2147 Ludovici Jos
2148 Ortega E M
2149 Bitinis Angelo Mrs ◎
2155 Sodahl N F ◎
2160 Carpenter Jane Mrs ◎
2165 Little Antonio ◎
2165½ Vacant
2166 Garrido John
2168 Salas V A
2170ΔNunez C R Mrs ◎
2175 Parks Saml
2176 Vigile Felipe ◎
2177ΔHumphries J F ◎
2181ΔQuinones Marcellina Mrs ◎
2183 Buckner J L
2185 Ruiz E M
2186 Diaz Vicente ◎
Sancoy Leonard
2190ΔHeastie Braman ◎
rear Grant W L
2191 Logan Heights Community Ch (Congregational)
Sampson intersects
2202 Fillippi Frank
Helsel C H
LeConte Carl
2209ΔColabella Beatrice Mrs ◎
2210ΔLassen G H
2212 Shepperd R E
2214 Hill J C
2216 Martin J L ◎
2220 Cespedes Gregory
2221ΔConde Frank
2227ΔGonsalves M T ◎
2229 Blalock Wm
2230ΔChiera Bernardo ◎
2233ΔCole Anthony ◎
2236ΔStrehle Frank ◎
2242 Busch Lee
ΔPettinelli Angelo ◎
2245 Hyatt Manuel
Listnelli Livlo ◎
2247 Grey Paul
2251ΔBeauloye Henry jr
2252 Thornton R L
2253 Beauloye Henry ◎
2254 Batchelor LaVar
2257ΔHume J H ◎
2258 Butterton P B Mrs
2259 Vacant
2262ΔPenonas Marquis ◎
2265 Daos Fermin ◎
2266ΔJenkins M M Mrs ◎
2272 Martinez Albt ◎
2277 Mitchell K W ◎
2283 Kiley E R
Macy J F
Malone Elmer
Martinez D M
2284 S D Daily Journal Gymnasium
2287ΔVilla A M gro
2290 Spaulding G K
2294 Tweeddale Marie Mrs
2296ΔFisher E A
Sicard intersects
Marcey intersects

KEARSARGE ROAD (La Jolla) — East from 7750 Crespo, 1 s of Soledad av
1538ΔKeith Carl ◎
1611ΔUllrich F D ◎
1627 Vacant
1657ΔThornber J S ◎
1745ΔSkiles S K Mrs ◎

KEATING — Northwest from 3800 India
3553ΔKarrer Jos
3554 Vacant
3555 Kestler J K jr
3555b Carsten Denver
3555cΔRobinson Marjorie
3568ΔDougherty M K Mrs ◎
369 Haulman M E
Guy intersects
Linwood intersects
3670ΔGlover L B ◎
Puterbaugh intersects
3710ΔMurillo J B ◎
3754ΔStafford R T ◎
Torrence intersects

KEATS (Roseville) — North-west from 2 blks s of 1600 Rosecrans
2810 Vacant
2811ΔMacdonald N L
2823ΔGibbons Maude Mrs ◎
2827ΔMcCall Carner Mrs
2834 Vacant
2834½ Vacant
2838 Wilson B D ◎
2840 Vacant
2844ΔSacrenty K G
2905ΔYork L B ◎
2909ΔPeskin Philip ◎
2919ΔAdams L L Mrs ◎
2929ΔDeBach Paul ◎
2933 Corbidge R F
2935 Hoffman F C
2937ΔJung R A archt
Rosecrans intersects
3027ΔLoucks J A
3035 Baker O R ◎
Locust intersects
3105ΔGross C G ◎
3111ΔGarcia A V ◎
3112ΔHeekin J M ◎
3119ΔCosta F L ◎
3120ΔSullivan Jack ◎
3127ΔMascarenhas Anthony ◎
3135ΔMarques J B ◎
3143ΔLira M P ◎
3144 Vacant
3204ΔJones W B ◎
3211ΔDaffin J C ◎
3212 Vacant
3219ΔCardoza E A ◎
3220ΔSan Martin P A ◎
3227ΔWyrostek E J ◎
3228ΔLyerla A E ◎
3236ΔCrone G A ◎

KEELER AV — West from 1 blk s of National av bet Newton and Boston avs
4204ΔNelson J J ◎
4212 Gibson John
4214ΔDavis W E
4216 Papke E M
4230 Grable C E
4236ΔTorres Mary Mrs ◎
43d intersects
4316ΔSinks W J ◎
4317ΔBarnthouse F H ◎
4325ΔEscalante G V ◎
4328ΔRicca E E ◎
4331 Sinks A T ◎
4338ΔMcElroy Eric ◎
4339ΔWorden L H ◎
4343 Hunter E T ◎
4346ΔBurkett W J ◎
4352ΔDeMars A R ◎
4355 Marthis H A Mrs ◎
4360 Webster H E ◎
4368 Wynn J F ◎
4379ΔShinall F S Rev
4382 Lulue Wallace ◎
4385 Blankenship J H ◎
4386ΔCallian D J ◎
44th intersects
4404 Vacant
4405ΔVujovich J T ◎
4409ΔBurns W J ◎
4412ΔCook J W ◎
4415 Kiederlen A P ◎
4416ΔLueth H L ◎
4421ΔDay W S ◎
4422ΔFritz H M ◎
4425 Harvey N L ◎
4428ΔBates J F ◎
4433ΔMarks D A
4434ΔFranklin J D ◎
4439ΔCastro H L ◎
4440 Felsman J L
4445ΔAustin R L
4446ΔMarantz M M ◎
4453 Garrison O H
4454 Andrews H F
4509 Vacant

SHAFTER ST 1948

SENN—Contd
2441 Jalbert Llewellyn
2442△Remillard L W
2449 Wright J H
2450 Leach J C
2451△Zuendt Wm
2452△Stack J T

SEPTEMBER (North San Diego) — East from February, 2 n of Summer

SEQUOIA (Pacific Beach) — North from 1850 Chico
3840△Lucas T L ◎
3856 Verrine Anthony ◎
3866△Baker G A ◎
3892 Gordon D B
3986△Thayer G A
Roosevelt av intersects
Fortuna av intersects
Chico intersects
4020 Argent L J ◎
4021 DeGreef F R ◎
4067 Bellows K J ◎
4080 Jefferson Jas ◎

SERRANO PLACE (East San Diego) — West from 4790 Rolando blvd to Campo dr, 1 s of El Cajon blvd
6573△Newberg T R ◎
6575△Moreno C M ◎
6580△Binder H H ◎

SESSIONS COURT (Linda Vista) — West from W Rhodes
6204 Kilroy John
6205 Johnson W S
6210 Miller R G
6211 Sanderson Auldin
6218 Zouhar Edw
6219 Giesken A V
6225 Stewart F M
6226 Rice L B
6233 Aguilar Dora I C
6234 Sanchez Patricio

SEVILLE (Ocean Beach) — Northwest from Rosecrans to Evergreen bet Shadow Lawn way and Malaga
3009△Burch C E jr ◎
3023△Lohre J O ◎
3113△Storm E M ◎
3121△Morton A D ◎
3128△Golden K H ◎
3138△Phillips Mary ◎
3144△Carey A W ◎
3145△DeLong C B ◎
3152△Lilley D B ◎
3160△Meserve S C ◎

SHADOW LAWN WAY—West from 3030 Locust, 1 blk from Evergreen
3110△Kunkel J T Mrs ◎
3111△Briggs R P ◎
3120△Hagen Virginia Mrs ◎
3121△Wright L E ◎
3130△Wetherill G G
3136 Lindsey Ray
3141△Sanders Robt ◎
3204△McCormack B D ◎

SHAFTER (Roseville) — North from Upshur, 2 e of 1070 Rosecrans
1642 Vacant
1662△Robinson M T Mrs
1672△Azevedo A P
1674 Buehler F W
Lowell intersects

SHAMROCK (East San Diego) South from s end of Sycamore
2348△Hell W F ◎
2404 Tamlyn S W ◎

2410 Clemens J A ◎
2415 McNaney May
2416 Bendixen Aug ◎
2422△Blauvelt B R ◎
2428△Hetrick A S ◎

SHANNON AV — West from 4801 Rolando blvd, 1 s of El Cajon blvd
6600△Burke J W ◎
6606△Johnson M A ◎
6610△Frazier J R ◎
6620△Gillean J M ◎
6630△Chamberlain E J ◎
6633△Forth H C ◎
6640△Fedor F F ◎
6650△Fink H A ◎
Lenore dr intersects
6660△Smith W P ◎
6670 Rylander A V ◎
6675△Fournier J P ◎
6701△Voigt A C ◎

SHASTA (Pacific Beach) — North from 1750 Mission blvd, 5 s of Pacific Beach dr
3754△Foster R F ◎
3756 Rau H R
3776△Carroll L D ◎
3778 Bay View Apartments
Dooling J T Mrs
△Gore W E ◎
Tyner R L
rear Clement Clifford
La Playa av intersects
3816△Kenyon F B ◎
3826△Mixon V A ◎
3836 Edmunds J T
3849 Wyatt G R Mrs
3858 Smallwood Blaine
3864△Kalinoski A J
3870 Gorman J P
3876 Nelson J A
3881 Meyer J P
3884 Bean E O
3885 McGuffin R L
3888△Barnes G J
3889 McNair P K
3904 Sawyer L D ◎
Fortuna intersects
3911 Pasini J D
3915 Doyle J T
3921 Jacks J F
3922△Manchester T C ◎
3925△DiNapoli L B
3928 Watkins H L
3931 Parks W B
3932 Burkett V H
3935 Frost C E
3936 Graybill A E
3941 Myers J A
3942 Kean D T
3952 DeYoung H D
3953△Ohmart W P
3958 Daniel G P
3959 McWilliams J G
3964 Winn R D
3965 Johnson S C
3968△Woodward H H
3969 Buckbee W D
3972 Hines H E
3973 Polk W B
3977 Gordon W I
3978 Huddleston A E
3983 Tucker E C
3984 Conover W V
3989 Paul Wm
3990 Miles M A Mrs
4003△Harper J W ◎
4010 Farmer E H ◎
4014△Smith W M ◎
4017 Estelle G P ◎
4020△Baker H B ◎
4036△Beardslee N M ◎
4062 Boudreaux M E ◎
Chico intersects
Pacific Beach dr intersects

SHAULES AV (Encanto) — East from 300 63d
6308 Riddels Harry ◎
6365 Gonzales J M ◎

SHENANDOAH DRIVE (Linda Vista) — Northwest from Linda Vista rd to Oakwood la and se from Linda Vista rd to Richland la, 1 n of Chesterton dr
2803 Reed C W
2805 Coope C W
2811 Chrisman Roberta A
2813 Beckham Heagen
2814 Chesterton School
Linda Vista Sicard Baptist Ch
2825 Angle Fern L
2827△McKinsey Lora B
2833 French J P
2844 Mankins F D
2845 Lewis Mary
2847 Barrios Dolores
2850 Guthrie J H
2851 Walker Mabel C
2853 Loos E J
2860 Cole F A
2862 Apple Rose
2863 Biggs Wm
2868 McNinch W J
2869 Chambers Della D
2870 Jackson W B
2871 Guest H L

SHENANDOAH LANE (Linda Vista) — Southeast from Linda Vista rd to Glenmore dr, 2 n of Chesterton dr
2809 Chavez Vincente
2810 Railsback J G
2811 Dishman W E
2815 Bahlman P A
2816 Arnold J B
2817 Stoll R M
2824 Berlin G C
2825 Bentley Phillip
2827 Patterson W H
2832 Block W H
2833 Shields D R
2835 Burnham W F
2842 Blake P B
2843 Randol A M
2845 Campbell Sybil C
2850 Baggett Gracie S
2851 White Margt N
2853 Wyckoff B A

SHERIDAN AV — South and w from 1800 Sunset blvd
1801△Ayres L M Mrs ◎
1815△Trefzger Martha ◎
1816△Leavenworth E C S ◎
1819△Voetter M E Mrs ◎
1823△Russell J L
1824△Wakefield F W jr ◎
1825△Troutt G A ◎
Lyndon rd intersects
1840△Wier Rena Mrs ◎
1844△Cohn M J Rev ◎
1845△Pickett J E ◎
1852△Mattar E M ◎
1859△Leonard D E ◎
1860△Mann R B ◎
1867△MacEllven D E ◎
1870△Jordan M H jr
1875△Yater C M ◎
1876△Mumby K J ◎
1882△Smith C A ◎
1885△Rhodes A P ◎
1889△Bush K G ◎
St James pl intersects
Alameda dr intersects
1965△Crozier Clara A

SHERMAN (Old Town) — Northeast from Kurtz, 1 blk nw of Greenwood
875 Gibson W H
936△Presidio Products cbtwk

TP	Adjoining	Source
-	✓	San Diego Directory Co.

JARVIS ST 1943

3223ΔStodter C E ◎
Chatsworth blvd intersects

JAMUL AV — South from Franklin av, 3 e of S 40th
4111ΔThatcher M E Mrs ◎
4114ΔAddison Jos ◎
4117ΔKuhn H A ◎
4125 Vacant
4133 Wilkinson A W ◎
4141 Medina J C ◎
4149 Kelley C A
4153ΔBrowning L O ◎
4154ΔWarner C A ◎
4164 Schlitz Bessie Mrs ◎
4170ΔCooper B A ◎

JANNEY COURT (Linda Vista)

JANUARY (North San Diego) —North from 5050 Summer

JARVIS (Roseville) — Northwest from 2 s of 1670 Rosecrans
2804 Southwestern Yacht Club
2901 Stehwin Agnes Mrs ◎
2919ΔHamilton A W ◎
2931 Yetter Elmer ◎
Rosecrans intersects
3036ΔRomero J G ◎
Locust intersects
3104ΔDinz L J ◎
3112ΔLatin Jos
3120 Cerveny J F
3121ΔWilliams S M ◎
3128 Bruer A A
3136ΔRandall E D ◎
3146 Silva M J

JEAN DRIVE—Southeast from Miracle dr to Palisades rd, 1 n of Avoca pl
4704ΔBoldrick W T ◎
4720ΔWiggins Florence E ◎
4724ΔMentze G A ◎
4740ΔSack F A
4741ΔSwensson J A ◎
4748ΔCampbell R A
4751ΔShoop G G ◎
4758 Tuttle W W
4804ΔCullen T T ◎
4807 Holmes N J
4814ΔApelman Harry ◎
4826ΔDale W H ◎
4829ΔLear E A ◎
4834ΔDollinger M B ◎
Gibbs R C ◎
4846ΔHovanesian S K ◎

JEFFERSON—Northwest from 3900 Witherby
2330 Milligan W A
ΔOlvera Claude ◎
2341 Craig J V ◎
Ampudia intersects
2377 Palmer J O ◎
2383 Hack C E
Aristo intersects
Conde intersects
2405 Hernandez F Z ◎
2451 Lawrie W G ◎
2452 Orr G L ◎
2460ΔMartinez Maria ◎
2466 Williams J C
2468ΔTorres Jos
2471 Vacant
2482 Cavin B E
2485ΔSmith M E Mrs ◎
2490 Vacant
2495 Granger Eva Mrs
Harney intersects
2508ΔNicol E A Mrs ◎
2522ΔBresler O A ◎
2523ΔCarey H H ◎
2524 Freeman O D Mrs
2530 Ojeda Jesus ◎
2535 Zepeda Henry ◎
2545ΔHeylman G H ◎
Twiggs intersects
2615 Vacant
Smith intersects
Taylor intersects
Rosecrans intersects
3009ΔJefferson Rooms
3016 Smith A T
3026 Gamboa Ambosia ◎
3042 Garcia Juan ◎
3081 Martinez Marcelino ◎
3101 Smith Rodney
3103ΔCleveland J L
3105ΔLewis J C
3117 Curtain John ◎
3119 Lewis Arth
3120 Lucero M D Mrs ◎
Lucero P D
3121 Childers G W
3123 Shields R L ◎
3135 Shields E J
3136 Diaz Crispin
3141 Lopez Louis ◎
rear Hoopes C M
Riley intersects
3146ΔHerrera Nemencio ◎
3211 Fletcher Auto Court
Linsel Otto
Greenwood intersects

JEFFERSON AV (Kensington Park) — East from 1 blk w of n end of Terrace dr
4038Δde Sousa A A
4052 Cordts E A ◎
Terrace dr begins
4056ΔHubbard R E Mrs ◎
4060ΔDriver T R Mrs
4080ΔHoughton T O ◎
Kensington dr intersects
4125ΔAllen F M Mrs ◎
Marlborough dr intersects
Edgeware rd intersects
42d intersects

JELLETT (Morena) — East from 3300 Morena blvd
4218ΔParker Warner nursery
4224 Heinicke Freda Mrs ◎
4224½Ray Vincent
4232 Merritt T A
Denver intersects
4245ΔBoster Archie ◎
4336 Handley A B
Erie intersects

JENKINS (La Playa)—West from San Elijo

JENNER (La Jolla)—West from 970 Prospect
8012ΔSampson R K jr
8045ΔLittle Hotel
Roberts R A Mrs
Coast blvd intersects
8107ΔCamp G D
8107½ Yavolaski Alice

JENNIE AV (North San Diego) —Southeast from 1350 Phoenix

JENNINGS (La Playa)—West from 900 San Gorgonio
3539ΔCarmody M R ◎
3627 Kite D E
3627½ Elliott B A

JENSEN—North from McCandless blvd, 6 w of Vesta
2401 Johnson A V
2402 Gazaway T C
2403 Vacant
2404 Brown Sarah Mrs
2411 Niedzwicki F S
2412 Betts C F
2421 Lehman Albt
2422 Nicholas E S
2423 Givetz Stanley
2424 Vacant
2429 Townsend L H
2430 Crosby H L
2431 Lassey J G
2432 Worthington W C
2439 Stafford D N
2440 Franklin Robt
2441 Henry R M
2442 Taube A R
2449 Horry J E
2450 Brundage L T
2451 Douglass R L
2452 Colgan J A

JERSEY COURT (Mission Beach)—East and w from Mission blvd, 6 n of Amusement Center
702ΔEagleton C P
715ΔVaughan J F ◎
717ΔMcKenna J J
719 Penwarden R S
722ΔRundahl F M ◎
726ΔDoran W C
732ΔStover M T
733 Hauso J S
733½ΔCollins Mary
738a Walters Cath Mrs
738b Richmond J C
740ΔSiefken Geo ◎
Mission blvd intersects

JEWELL (Pacific Beach) — North from 4 blks s of 1700 Pacific Beach dr
3324ΔVroom Wm ◎
3329ΔTon John ◎
3403ΔDoub S N ◎
3404ΔSawyer F M ◎
La Cima intersects
3409ΔMcCormack G E ◎
3415 Hubbard J C ◎
3421ΔLewis B M ◎
3500ΔAnderson E G ◎
3509ΔKearns D C ◎
3510ΔRudoff Mark ◎
3515 Wilson R A ◎
3520ΔWells A A
3528ΔKaltner Nicholas ◎
3529ΔMattingly C D ◎
3535ΔHouser L C ◎
3542ΔMatheny Marie H ◎
3566ΔPerryman J W ◎
3574 Vacant
LaMancha dr intersects
3609ΔConquest Bryce ◎
3615ΔHuebsch H G ◎
3639ΔCurtis H C
3655ΔBothe B C ◎
3663ΔLiles H J jr ◎
3680 Simpkins E L ◎
3681ΔO'Neill S B ◎
Moorland dr intersects
3731 Evans R C
3776 Caple J T ◎
rear Jennings Robt
3777ΔBarrett Thos ◎
4081ΔWieveg R G ◎
La Playa av intersects
4104ΔBorek Albt ◎
4246ΔEllis Roy ◎
Oliver av intersects
4430ΔPratt C L ◎
Hornblend intersects
4440 Pacific Beach Presbyterian Ch
Garnet intersects
Felspar intersects
4648ΔNewcomer John
Emerald intersects
4687 Swit Frank ◎
Diamond intersects
5450ΔRannells W C dairy

TP	Adjoining	Source
-	✓	San Diego Directory Co.

KEATS ST 1943

1736 Cimmarusti Vito ◎
1741ΔBanaga Jos ◎
1742 Lozano J N
1743ΔFranco J R ◎
1744 Castro A A
1747 Ruiz Michl ◎
1748 Alvarez Altagracia Mrs
1752 Gomez Secundino ◎
1754 Rodriguez D S
1755ΔJohnstone A G Mrs ◎
1760 Our Lady of Guadalupe Church
1765ΔBarton E F
1767 Hadley C J ◎
1770ΔSilva Benj Rev
1771 Crane E N Mrs ◎
1780ΔFilippi Jenny Mrs ◎
1781 Pavlovich A J
1782 Rodriguez Andres
1784 Valenzuela Alf
1787 Rebelez R P
1793 Anderson W F
Stephens A T
Beardsley intersects
1809ΔCastro Marciano ◎
1812ΔNava M R ◎
1815ΔWard Laura Mrs ◎
1818 Naranjo Guadalupe Mrs
1820 Moralez Manuel
Pinal Maria Mrs
1821ΔSmith J G ◎
1821½ George W B
1826ΔMolino Manuel
1829ΔOsborne F L
1831 Phillips P C
1835ΔRankin Jos ◎
1836 Heine H P ◎
1842 Duke M A Mrs
1842½ Knowlton G D Mrs
1845ΔDorosan B J
1850 Stewart M E
1853ΔMangiapine J G ◎
1853½ Garcia Jose
1855ΔCarraz A T
1860 Herr Minnie R ◎
1861 Vacant
1866 Wissel Chas ◎
1867 Face E W ◎
1871ΔMalanaphy Hugh
1872 Espinoza M L ◎
1874 Hamm L E Mrs
1876ΔAscuitto A L
DeErcole Amador
1877 Vargas A R ◎
1878 Gossett C L
1880 Marquez Manuel
1882 Vacant
1886 Sanfilippo Carlo
1890 Villarino Pauline Mrs
Villegas Paula Mrs
Crosby intersects
1906ΔWeber M J
1910ΔBanuelos J R
1915ΔFishbeck A M ◎
1919 Welty A E
1922 Valverde Jose
1923 Leeper Pauline
1926 Azhocar R S
1929ΔDiosdado Pregdes ◎
1929½ Asero Henry
1932 Azhocar Frank
1940 Becerra Trinidad Mrs ◎
1945ΔSlocum R W
1950ΔFos Eulogio ◎
1952 Verdugo Ernest ◎
1953 Merfeld R M Mrs
1957 Acosta M G
Spencer D G
1960 Snyder A M Mrs ◎
1963 Peraza J H
1963½ Flores Otilia
1966ΔQuaglia John ◎
1971ΔLegge Thos
1971½ Tomlinson M H Mrs
1973 Serrano Mary
1975ΔdeSouza J C ◎
1976ΔWier W H ◎
1981 Cheek C B
1982 Vacant
1983 Sheotzoff Peter
1985 Hegyi G J
1987 Trevino Fernando
1989 Bivens Evadine F
1991 Vacant
1993 Harnden W H
1995ΔMorgan J J
1996 Mullen E L gro
Dewey intersects
2011ΔSharman S H
2012 Bondell W W
2020ΔGartner Lila M ◎
2021ΔLuevano J D ◎
2023 Karman Larry
2025 Villasana Simon ◎
2026 Leland Apartments
Bartlett M I Mrs
Longfield Edw
Moore Bertie Mrs
Ray B W
Shuler Ernest
Taylor Clifton
2027 Rodriguez Fred
2029 Lira Cruz
2030 Dark L A
2030½ Walker Fay
2031 Ellmer Ralph
2032 Huckaby J R
2032½ Sheldon D B
2034 Nelson Amanda
2034½ Culp Alvin
2035 Barker M L Mrs
2037ΔNordstrom H M Mrs
2038 Strehlow H A
2040 Donaldson R J
2042ΔKniesel W L ◎
2045 Ekman A R
2049 Pierce W C ◎
2054 Schoonover E G Mrs
2060 Romero Ireneo
2061ΔUlloa F C
2068 Reyna Jose ◎
2070ΔCarson W T ◎
2075ΔAmes O B
2078 Pitts A W ◎
2084 Ortega Carlos
Evans intersects
2103 Ferrez R T ◎
2104 Barnum S B
Mitchell R C
2106 O'Guin J H
2111 Giamona A C
2115 Cruze G A
2118 Keenan J W
2120ΔSgobassi J B ◎
2127ΔOust C W ◎
2130 Wilkes J P
2135ΔChavez Serafin
2140 Clower N H Mrs
2145ΔMiller R A ◎
2146 Cohn A F Mrs
2147 Hackmeier Louis
2148 Stanley B E
2149 Georggin G E
2152 Strong G L
2154 St James Episcopal Ch
2155 Coyne Ann Mrs
2160 Carpenter Jane Mrs ◎
2165 Crawford R E
2165½ Petty J R
2166 Holton E J
2168 Sandland O S
2170ΔReiner Henry
2175 Humphries F J ◎
2177 Wilson J J
2181 Quinones Marceline Mrs ◎
2183 Buckner J L
2185 Perez Jesus
2186 Plumlee W F
2190ΔHughey W H Rev
2191 Logan Heights Congregational Ch
Sampson intersects
2202 Corrington E C Mrs ◎
Fredrick Truman
McBride M A Mrs
Werrbach H A
rear Felippi Frank
2209ΔColabella Beatrice Mrs
2210 Hutsler C H jr
2214 Van Dahl D H
2216ΔLassen G H
2220ΔJett J D ◎
2221 Willson A F
2227 Pohle Kath Mrs ◎
2229 Klingenberg Robt
2230ΔChiera B B Mrs ◎
2233ΔCole Tony ◎
2236ΔStrehle Frank ◎
2242ΔKeith A W ◎
2245 Rohlfs H W ◎
2247 Hicks W G
2251ΔBeauloye Henry jr
2252 Humphrey M H
2253 Beauloye Henry ◎
2254 LeGrand Camille Mrs
2257 Hume J H ◎
2258ΔMartinez D M
2259 Willett B T
2262 Vacant
2265ΔRask P S ◎
2266ΔJenkins M M Mrs
2272 Martinez Albt
2277 Mitchell King
2282 Lewis E C
2283 Bates D F
Kiley Cath Mrs
Macy J F
Stanton Josephine Mrs
2284 Vacant
2287ΔVilla A M gro
2290 Spaulding Gilbert
2294 Barnes Wm
2296ΔFisher E A
Sicard intersects
Marcey av intersects

KEARSARGE ROAD (La Jolla) —East from 7750 Crespo, 1 s of Soledad av
1538ΔKeith Carl ◎
1627ΔErickson B H
1657ΔMueller E F Mrs
1745 Bramfield Marion Mrs
ΔSkiles A V ◎

KEATING — Northwest from 3800 India
3553 Fuller F L
3554 Reed W D
3555 Ripley Wm ◎
3568ΔDougherty M K Mrs ◎
3569ΔHaulman M E ◎
Guy intersects
Linwood intersects
3670 Glover L B ◎
3676 Russell G E ◎
Puterbaugh intersects
3710ΔMurillo J B ◎
3754 Stafford R T ◎
Torrence intersects

KEATS (Roseville)—Northwest from 2 blks s of 1600 Rosecrans
2810 Baker W S
2811 MacDonald N L
2827 McCall C L
2834 Mullen Jos
2834½ Muench A E
2838 Kightlinger G M
2905 York David
2909ΔBrown C H ◎
2919 Adams H C
2929ΔCarter J H
2933 Ashburn J C
2935 Gomez Ramon
2937ΔWagner Lloyd
Rosecrans intersects
3027ΔSiner Henry
Locust intersects
3105 Bomposero Saml
3111 Garcia A V ◎
3119ΔKesler J C ◎
3135 Marks Jos ◎
3143 Toy C L ◎

SHAFTER ST 1943

SCOTT—Contd
1657 Crooks E R Mrs
1663 Cantrell J M
1669 Smith A W
Lowell intersects

SEA LANE (La Jolla) — East from 4 blks w of 7300 La Jolla blvd
302ΔAshbaugh M M Mrs ◎
303 Vacant
305ΔLipe J T ◎
306ΔKeck Wm ◎
307ΔAnderson H C
340ΔMac Kay E M ◎
349ΔLodge Frances Mrs
359ΔJeffry B W ◎
Monte Vista av intersects
425ΔHodson M W
La Jolla blvd intersects
441 Thayer Robt Mrs
445ΔRamsey G K Mrs ◎
450ΔCrane E A Mrs
Olivetas av intersects
510ΔGross F D
545ΔMoffit A C ◎
550ΔMellenberger H A
551ΔRonaldson W C
552 Field M W
554ΔReeves E C Rev
561ΔDe Lyria R R ◎
563 Hobson R N
615ΔBennett R P M ◎
621ΔSchupp Dorothy
Cuvier ends
Draper av intersects

SEAGIRT COURT (Mission Beach) — East and w from Mission blvd, 29 n of Amusement Center
707 Marguerite Milton
708ΔEckles O F ◎
715ΔDickey E R
720ΔErlwin E A S dentist ◎
Morrissey H F
723ΔPfetcher W W
724 Vacant
724½ Goldberg Iser
Mission blvd intersects
802ΔFarrar W J ◎
806 Hibbard Theo
811 Samples Homer
814 Looke C A ◎
818ΔWagar N D ◎
819 Millhouse W O
rear Vacant
821 Vacant
825 Sukob Hymie
826 Sears B R
829 Crowther Warren
Bayside walk intersects

SEA ROSE PLACE (La Jolla) — North from Forward, 3 w of 5600 La Jolla blvd

SEASIDE (Ocean Beach) — Northeast from 4550 Voltaire
2215 Wylie A L ◎
2221 Hoehner Julius ◎
Schulingkamp, T J
2224ΔSmith G G
2226 Thompson A B Mrs ◎
2233ΔKarrow R J ◎
2239 Vacant
2246ΔOberg C M ◎
2253ΔGastellum R A
2255ΔWatson F E ◎
2270ΔTerpsten N A ◎
2273ΔBenkner J F ◎
Green intersects
2303ΔMaconnell H E ◎
2304ΔHubbard Arth ◎
2310 Hemler A L ◎
2311 McKenzie Roderick ◎
2319 Williams E D ◎
2345ΔFold S G ◎

Larkspur intersects
2361 Hutchinson J M Mrs ◎
2375ΔFlores C D ◎
2387ΔStratton B M ◎
Castelar intersects
2414ΔBogue S H ◎
2424 Emrich Rosalind
2440ΔLitchfield W W ◎
West Point Loma blvd intersects

SELDON COURT (Linda Vista)

SELMA PLACE (Encanto) — North from 2 blks s of 5350 Radio dr
733 Silverthorn W E ◎
749 Barber G C
ΔSkinner W E ◎
750ΔMarion B E ◎
776ΔClancy W J
814ΔGrimsley S L ◎

SEMINOLE DRIVE—From 6400 El Cajon blvd
4630 Luce D S
4643ΔCurtis S C ◎
4645ΔMason C K Mrs ◎
4743ΔGreene E R Rev ◎
4745ΔMcCartney L F ◎
4797ΔSherman R M ◎
4799ΔMenzkath Mrs ◎
4848ΔSergent E L ◎
4849 McCarthy Frank ◎

SENN — North from McCandless blvd, 4 e of S 32d
2401 Choate J W
2403 Akers C T
2405 Landers A T
2406 Vacant
2407 Vacant
2409 Cattermole C S
2411 Philips Wendell
2412 Kirkman C S
2415 Janica F S
2421 More Fannie Mrs
2422 Morrow W L
2423 Tinker W G
2424 Monroe J B
2429 Morgan R T
2430 Voss R W
2431 Dunn J B
2432 Finley R E
2439 Davis J A
2440 Gray J L
2441 McClure T G
2442 Brennan J M
2449 Kilroy John
2450ΔJackson Rozella I
2451 Pashkewich Wm
2452 Delaney C F

SEPTEMBER (North San Diego) — East from February, 2 n of Summer

SEQUOIA (Pacific Beach) — North from 1850 Chico
3840ΔLucas T L ◎
3856 Verrine Anthony
3866ΔBaker G A ◎
Roosevelt av intersects
Fortuna av intersects
Chico intersects
4067 Boyd T J
4080ΔGallaher H M

SERRANO PLACE (East San Diego) — West from 4790 Rolando blvd to Campo dr, 1 s of El Cajon blvd
6573ΔNewbery T R ◎
6575ΔDennstedt K L ◎
6580ΔBates H D ◎

SESSIONS COURT (Linda Vista)

SEVILLE (Ocean Beach) — Northwest from Rosecrans t Evergreen bet Shadow Lawn way and Malaga
3009ΔBurch C E jr ◎
3023ΔLohre J O ◎
3113ΔStorm E M ◎
3121ΔJustice Bailey jr ◎
3144ΔGreen C P ◎
3145ΔDe Long C B ◎
3152ΔLilley D B ◎
3160ΔMeserve S C ◎

SHADOW LAWN WAY—Wes from 3030 Locust, 1 blk fron Evergreen
3110ΔKunkel J T Mrs ◎
3111ΔBriggs R P ◎
3120ΔPhifer T C
3121ΔHoopes W S ◎
3130ΔWetherill G G ◎
3136ΔMartin J S ◎
3141ΔIsele C J ◎

SHAFTER (Roseville) — Nortl from Upshur, 2 e of 107 Rosecrans
1662ΔEinhaus Aug ◎
1672 Azeveda Theresa Mrs
1674 Buehler F W
Lowell intersect

SHAMROCK (East San Diego — South from s end of Sycamore
2348 Heil W F
2404 Tamlyn S W ◎
2410 Clemens J A ◎
2415 Watson R F ◎
2416 Bendixen Aug ◎
2422 Nixon Robt
2428 Holm H E ◎

SHANNON AV — West fron 4801 Rolando blvd, 1 s of E Cajon blvd
6600ΔBurke J W ◎
6610ΔBradford C W ◎
6620ΔGillean J M ◎
6630ΔChamberlain E J ◎
6633ΔForth H C ◎
6640ΔFedor F F ◎
6650ΔFink H A ◎
Lenore dr intersect
6660ΔSmith W P
6670 Foy Jas ◎
6675ΔRea G L ◎
6701ΔVoight A C ◎

SHASTA (Pacific Beach) — North from 1750 Mission blvd 5 s of Pacific Beach dr
3754ΔWilson J L
3756 Schmidt Cornelia E ◎
3776ΔCarroll L D ◎
3778ΔBay View Apartments
Duncan Norman
Ruby John
Taylor Harry
ΔTaylor Stanley ◎
rear Crumrine Wm
La Playa av intersect
3816ΔKenyon F B ◎
3826 Sherritt B H
3904 Vacant
Fortuna intersect
4010ΔSmith W M ◎
4017 Shipley Ann Mrs
4020ΔDoane J T ◎
4036ΔBeardslee N M ◎
Chico begin
Pacific Beach dr intersect

SHAULES AV (Encanto)—Eas from 300 63d
6308 Vandevanter E A Mrs ◎
6355 Hill A D
6370 Vacant
6465 Vacant

TP	Adjoining	Source
-	✓	San Diego Directory Co.

KEATS ST 1938

KEARNEY AV—Cont
rear Souligny J L
1867 Burden F D (o)
1871ΔMalanaphy Hugh (o)
1872 Espinoza Manuela Mrs (o)
1874 Holcomb M C
1876 Hymiller B L
1876½ Vacant
1877 Vargas A R
1878 Vacant
1880 Baird O M Mrs (o)
1882 Pastoral Maximino
1886 Penna J P
1890 Azhocar F J Mrs
Buenrostro Peter
Hashem Nayem
Crosley intersects
1906ΔSaunders J E
1910ΔLandes W M food prods (o)
1915ΔFischbeck A M
1919ΔBanke Alf (o)
1922 Wilhelm D G
1923 Green A A Mrs (o)
1924 James C W
1926 Lowe Arth
1929ΔFrisbie C E Mrs (o)
1932 Marrujo Juan
1940 Becerra Lawrence
1945 Shore E M
1950 Fos Eulogio (o)
1952ΔEtensohn Henry
1953 Drake D D
1957 Rios Cruz
1960 Snyder J R (o)
1963ΔLegge Thos
1963½ Barneo Delfina Mrs
1966ΔQuaglia John (o)
1971 Quinones Trinidad
1973 Serrano Mary Mrs
1975ΔSouza J C (o)
1976ΔWier W H (o)
1982 Vacant
1996 Mullen E L gro
Dewey intersects
2011ΔSharman S H
2012 Bondell W W
2016ΔStewart Cecil (o)
2020 Gartner Lila M (o)
2021ΔLuevano J D
2023 Karman Leah Mrs
2025 Sanders Etta Mrs
2026 **Leland Apartments**
Booth E F
Bridges C G
Clark A M
Graves Stella G
Head I H
LaFrance Anna Mrs
Lawler J W
2027 Sabin Chas
2029 Lowe J L
2030 Cash Paul
2030½ Parker W K
2031 Chavez E R
2032½ Bacon H A (o)
2034 Stewart K E
2034½ Vacant
2035 Culp A B
2037 Krantez Alice Mrs
Nordstrom Douglas
2038ΔWright H B
2040 Horton A S
2042ΔKniesel W L (o)
2045 Lansford I E
2049ΔPierce W C (o)
2054 Duncan W H
2060 Romero Ireneo (o)
2069ΔCovarrubias E C
2070ΔCarson W T (o)
Clark H B
2075 **Vista Apartments**
Contreras Flavio
Hall C J
Harman G W
Trammell Olive Mrs
2078 Pitts A W (o)
2084 Ortega M J Mrs
Evans intersects
2104 Parkinson Arth
Tarr R B Mrs
Walther H H
2106 McPeake P D
2118 Holleran J T
2120ΔSgobassi J B (o)
2127 Aust W J
2130ΔKoide Taju
2135ΔHansson Jonas (o)
2140ΔClower Nellie Mrs (o)
2145 Miller R A
2146ΔBirt C E
2147 Brautigam F J
2148ΔKeyes F G
2149 Bedenis Angelus (o)
2154 St James Protestant Church
2155ΔSodahl Caroline Mrs (o)
2160 Carpenter Vilah (o)
2165½ Cazzelle Petro
2166ΔHale Mariah Mrs
Heinz K F
2168 Poucher L A
2170ΔReiner Henry
2175 Hughes Jas
Sassetti Hugo
2177 Mooney R B
2181ΔFitch A H
2183 Salazar Alex
2185 Salazar Wm
2186 Grumbacher Isaac
Lickert Fred (o)
2190 Stroud F G (o)
2191 Logan Heights Congregational Church
Sampson intersects
2202 Brown Jas
Corrington G L
Mehlhoff Danl
rear Fillippi Frank
2209ΔFernandez Antonio Rev (o)
2212ΔWolfe L A Mrs
2220 Rimoldi E P
2221 Riley P M
2227 Pohle O T (o)
2229 Moore Elmer
2230ΔChiera B B (o)
2233ΔWatson H D
2236ΔStrehle Frank (o)
2242ΔKeith A W (o)
2245ΔRohls H W (o)
2247 Colwell R H
2251ΔBeauloye Henry jr
2252 Humphreys M M
2253 Beauloye Henry (o)
2254 Le Grand A G
2257 Hume J H (o)
2258 Gardner J J (o)
2259 Hume G F
2262 Semerad John
2265 Bryant E D
2266 Jenkins M M Mrs (o)
2272ΔSuiter Robt
2277ΔSmith Esquipula
2283 Bradley W C (o)
Macey John
Stanton Josephine Mrs
Webster D C
2287ΔOjeda J M gro
2290 Stone D E
Wilson R W
2296 Neville J T
Sicard intersects
Marcey av intersects

KEARSARGE ROAD (La Jolla) East from 7750 Crespo, 1 s of Soledad av
1538ΔKeith Carl (o)
1745ΔSkiles A V (o)

KEATING—Northwest from 3800 India
3553 Mueller E A (o)
3554 Rickon F J H
3555 Noble Gasper
3568ΔDougherty J H (o)
3569 Haulman M E (o)
Linwood intersects
3670 Hughes A A
Puterbaugh intersects
3710ΔWinstone Fredk
Torrence intersects

KEATS (Roseville) — Northwest from 2 blks s of 1600 Rosecrans
2810 Reves J C
2811 MacDonald N L (o)
2827 McCall Claude
2834 Block Henry
Mondary Everett
2834½ Smith T E
2838 Kightlinger G M (o)

KEELER AV—West from 1 blks of National av bet Newton and Boston av
4204 Nelson J J (o)
4230ΔBradbury J C
Highland av intersects
4316ΔHunter E T
4317ΔHarvey L N (o)
4318 Orbalac Oscar
4328ΔRicca E E A
4382ΔHarman F H
44th intersects
4422 Ollestad Howard
4425 Jones A B
45th intersects

KEENEY (La Mesa Heights)—North from El Cajon blvd, 1 e of 73d
5011 Walker L G
5030 Elder W J (o)
5036 Cozens Robt
5055 Mitchell W W (o)
5056 Hoffert H J

KELLOGG (La Playa) — West from 1 blk e of 350 San Antonio av
2801ΔBolte R A
2802ΔCox F S Mrs
San Antonio av intersects
2921ΔOliver Mary I drsmkr
2926 Beckham F R
2927ΔMedina M M (o)
2928ΔRotzler R R
2930 Moore M W
2932 Shepard A J
2934 Meader L S
2940ΔMcRoberts E M
2945ΔKorstad R A
Rosecrans intersects
3006ΔMedina J M (o)
3018ΔCabral J F (o)
San Elijo intersects
3111ΔVan Meter B F jr (o)
3128 Webb J W
3145ΔClark R J (o)
San Fernando intersects

KENDALL (Pacific Beach) — North from 1800 La Playa av
3811ΔFarlee F H Mrs (o)
3816 Sletz J F (o)
3826 Baker Geo sculptor
3838ΔDana H A sculptor (o)
ΔHord Donald sculptor (o)
Roosevelt av intersects
3972 Lovejoy W G
Fortuna av intersects
4005ΔZader W L (o)
4065ΔLarson L A (o)
Chico intersects
4073 Banner Roy
4080 Bowman Robt
4085 Crawford M A Mrs
Field W S (o)
4085½ Vacant
Pacific av intersects
Oliver av intersects
Reed av intersects
4260 Barnes Eleanor
ΔBarnes W G (o)
rear Barnes J H
4275 Buechner E W Mrs (o)
4280 Mogg Adele Mrs (o)
4288ΔRatz J W
Samuel L C Mrs (o)
4291ΔJones L E Mrs (o)
Thomas av intersects
Grand av intersects
Hornblend intersects
Garnet intersects
4937 Doty E E Mrs (o)
Collingwood dr intersects
4961ΔSmith R W (o)

TP	Adjoining	Source
-	✓	San Diego Directory Co.

SHAFTER ST 1938

4926 Kmauer O R
4928 Bunch J M
4931 Bowles J T (o)
4932 Dermody W J (o)
4933 Vacant
4933½ Burrell C L
4934 Goller F E
4935 Flood Leslie
4936ΔDolph Ada I (o)
4937 Tait R E (o)
4940 Vacant
4946 Valley E H
4953 Penney M E Mrs (o)
4955 Welch E M Mrs
4956 Burdette R K
Connolly W S
4958 Marshall John
4960 Bohlman Anna A (o)
4966 Bagwell G R
4967 Faber G H (o)
4974 Glenn S V
4984 Groves Rosa Mrs
4985ΔBoyd B B (o)

Bacon intersects

5002 Dobbins M E Mrs
5006 Vacant
5043 Ward M P
5047 Marshall Harry
5050 McEwee Andw (o)
5060 Nicklin E L (o)
Pembroke Truman
ΔStark P W
5067 Van Holst Adrian
5068 Iverson Bertha Mrs
5069 Brown Allen
5070 Sutherland Martha Mrs
5073 Ingalls H W
5075 Downs Thos
5076 Flo Jos
5077ΔHawkins O C Mrs
5079 Hester D C

Abbott intersects

5112 Hayden T N (o)
5114 Miller W H
5122 Gerrish G L Mrs
5124 Lowder J W
5130 Truitt W F
5132 Leckley M L
5132a O'Donnell J J
5132b Morrison Wm

SASSAFRAS — West from 3300 Horton av

1301ΔPrudden E D (o)
1321 Biddle A J
1330 Ozenne F E
1332 Buell Mabel S
1333ΔWilson W D (o)
1334 Goodell Helen

Columbia intersects

1404 Blake Helen J
Hixon Helen P
Muller E A
Rand Gladys I (o)
Wolmer Leona V
1406ΔHolt J T

India intersects
Kettner blvd intersects
California intersects

SAVANNAH (North San Diego) —Southeast from Viola to Eleanor, thence e to Camp Kearney rd

1814ΔFlores J R (o)
1820 Cota Emilio
1822 Nelson A G
1827 Esquer Frank
1840 Steidman Chas
1848 Diaz Cenobio (o)

Buenos av intersects

1913 Boyle M D
1919 Blattler T P
1927 Lorain A W
1933 Henderson G L
1941 Ganger Frank (o)
1957 Clark R E (o)
1960ΔMcCorkle Aug (o)

SAVOY (Ocean Beach) — North from Verona, 1 w of 1200 Catalina blvd

1036ΔLuckel Frank (o)
1235ΔGamble C J (o)
1262ΔHutchinson Jas (o)

SCHLEY — Southwest from S 26th, 3 s of National

SCHOOL — East from Hawley blvd, 1 s of Adams av

3460ΔNicholas I W (o)
3463 Stumpfs A D
3469 McGinley Danl
3475ΔEvans Milton (o)
3491 City Public Library

SCIMITAR DRIVE (Encanto)— North from 6300 Bach av

6142 Emerson C H
6149 Westerdahl A G (o)
6209 Willett A M Mrs (o)
6252ΔHuff F E
6256 Columbus Ella Mrs
6268 Gassner Jos (o)
6276 Boulay Wm (o)
6283 Douglas G F
6286ΔLarkins John (o)
6294 Ryan H R
6295ΔKimball G N

Winnett intersects

6380 Vacant

Wren intersects

6392 Stromquist J A (o)
6394 Larkins C D
6396 Rumple Margt (o)
6530ΔGates L R (o)

SCOTT (Roseville)— North from Armada ter, 1 e of Rosecrans

980ΔWyllie H E (o)
990ΔPatterson M L Mrs (o)
1104ΔSilva M J Mrs (o)
rear Souza John
1126 Anthony J R
rear Nunez M C Mrs
1128 Souza M D Mrs

Canon intersects

1148 Lucas J C
Monise Matthew

Addison intersects

1168ΔSilva Aug

Byron intersects

1205 Pestano Manuel
1211 Yancy Frank
1221 Goularte Graciano
1223 Silva M R
1227 Goularte Jos
1229 Goularte Andw

Carleton intersects

SEA LANE (La Jolla) — East from 4 blks w of 7300 La Jolla blvd

302ΔAshbaugh M M Mrs (o)
303 Maw N F (o)
306 Vacant
307ΔPriest M F Mrs (o)
340 MacKay E M (o)
349 Lodge R C
359ΔFitch L T Mrs

Monte Vista av intersects

425 Nash S H

La Jolla blvd intersects

445ΔRamsey G K Mrs (o)
450ΔRoyal F B

Olivetas av intersects

510ΔGross F D
545ΔMoffitt A C (o)
550 Clover Kenneth (o)
552 Fields Marshall
554 English E J
561 Sylvester J A
563ΔLind C O

Cuvier ends
Draper av intersects

SEAGIRT COURT (Mission Beach) — East and w from Mission blvd, 29 n of Amusement Center

708 Durning J J
712 Eckles O F bldg contr
715 Vacant
720ΔErlwin E A S dentist

Mission blvd intersects

802 Slater N R
806 Vacant
808 Vacant
811 Vacant
812 Vacant
818 Vacant
819 Vacant
821 Smith G T
825 Ide Steph
826 Starr C A

Bayside walk intersects

SEA ROSE PLACE (La Jolla)— North from Forward, 3 w of 5600 La Jolla blvd

SEASIDE (Ocean Beach) — Northeast from 4550 Voltaire

2215 Wylie A L (o)
2221 Wickliffe Pearl Mrs
2224ΔSchofield P B (o)
2233ΔKarrow R J (o)
2239 Wright C R (o)
2246ΔOberg C M (o)
2253 De Blanc A E
2255 Chaves Emily Mrs
2273ΔBenkner J F (o)

Green intersects

2303ΔLester A B (o)
2310 Palmer G W
2312 Hubbard Arth (o)
2319ΔWilliams E D (o)
2345 Fold S G (o)

Larkspur intersects

2361 Hutchinson Jennie Mrs (o)
2387ΔStratton B M (o)

Castelar intersects

2414 Bogue S H (o)

West Point Loma blvd intersects

SELMA PLACE (Encanto) — North from 2 blks s of 5350 Radio dr

749ΔMay A H
750ΔMarion B E (o)
776 Clancy W J (o)

SEMINOLE DRIVE—From 6400 El Cajon blvd

4630 Luce D S
4643 Goff F E
4645 Mason Cora Mrs (o)
4743ΔAllen T R (o)
4745ΔMcCartney L F
4797ΔSherman R M (o)
4799 Menz Kath Mrs (o)
4848 Donohue Wm
Elmore D M Mrs
4849 McCartney Frank (o)

SEPTEMBER (North San Diego)—East from February, 2 n of Summer

SEQUOIA (Pacific Beach)— North from 1850 Chico

4080 Vacant

SHADOW LAWN WAY — West from 3030 Locust, 1 blk from Evergreen

3111ΔHarritt C F (o)
3121ΔHoopes W S (o)
3130ΔBeardsley J R (o)

SHAFTER (Roseville) — North from Upshur, 2 e of 1070 Rosecrans

1662 Einhaus Aug (o)
1672 Londo Frank
1674ΔCaldwell D G

Lowell intersects

SHAMROCK (East San Diego) —South from s end of Sycamore

2348ΔHeil Wm
2404 Tamlyn S W (o)

KEATS ST 1933

KEARNEY AV—Cont
2294 Katzung Inez Mrs (o)
2296 Robinson H T
Sicard intersects
Marcey av intersects

KEARSAGE ROAD(La Jolla)—East from 7750 Crespo, 1 s of Soledad av
1538 Keith Carl (o)
1745 Skiles A V (o)

KEATING — Northwest from 3800 India
3552 Vinton Mary Mrs (o)
3554 Boulton J M
3555 Marangunich Frank (o)
3568 Citerley C G
Citerley W A (o)
3569 Haulman M E (o)
Linwood intersects
3670 Glover L B
Mumbauer A A
Puterbaugh intersects
3710 Falk L H
Shookman A H
Torrence intersects

KEATS (Roseville)—Northwest from 2 blks s of 1600 Rosecrans
2811 MacDonald N L
2827 Beach I E
2834 Vacant
2834½ Major Frank
2838 Kightlinger G M

KEELER AV—West from 1 blk s of National av bet Newton and Boston av
4204 Nelson J J (o)
4264 Patton E M (o)
Highland av intersects
4316 Hunter E T
4317 Harvey L N (o)
4328 Ricca E E
4336 Garr R E
4382 Lovell D A
4422 Holmes D V
4425 Jones Abr

KEENEY (La Mesa Heights)—North from El Cajon av, 1 east of 73d
e s 1 n Santiago Walker L G
w s 1 n Santiago Sherer A G (o)
w s 2 n Santiago Heringhaus H B

KELLOGG (La Playa) — West from 350 San Antonio av
2801 Vacant
2802 Smith R H Mrs (o)
San Antonio av intersects
2921 Vacant
2926 Rotzler R R
2927 Medina M M
2928 Radford R M
2930 Graves R S Mrs
2932 Beckham F R (o)
2934 Tompkin Anna Mrs
2940 Baer Eug
2945 Thaanum O L (o)
Rosecrans intersects
3006 Atkinson B W
3018 Cabral Jos (o)
San Elijo intersects
3128 Harris R L (o)
3145 Clark R J (o)

KENDALL (Pacific Beach) — North from 1800 La Playa av
3811 Farlee E S (o)
3816 Sietz J F (o)
Roosevelt av intersects
Sunset av intersects
4005 Zader W L (o)
Chico intersects
4063 Vacant
4070 Vacant
4085 Field W S
4085½ Vacant
Pacific av intersects
4260 Barnes W G
4275 Buechner E W Mrs (o)
4288 Samuel L C Mrs (o)
4291 Musser W S
Thomas av intersects
Grand av intersects
Hornblend av intersects
Garnet av intersects
4937 Doty E E Mrs
4961 Hasha C E

KENMORE TERRACE (Normal Heights) — Northwest from Mountain View dr, 1 n of Adams av
4708 Jones Fred
4710 Sandstrom Mary Mrs (o)
4718 Vacant
4726 Zimmerman Albt (o)
4727 Vacant
4734 Brown F E
4735 Muzzy R L
4742 Kirtley E B (o)
4750 Lewis T J
4758 Duffey M F Mrs (o)
4764 Shoudy I M Mrs
4780 O'Malley L M Mrs (o)
Waddell ter begins
4802 Hasty Hester Mrs (o)
Stewart Castle
4817 Bauer Helen Mrs
Bauer R C
4821 Palliser G A (o)
4825 Molitor A F
4832 Krymer C T (o)
4835 Groshart C C
4836 Vacant
4843 Steff Anna Mrs (o)
4849 Westgard Anna K (o)
4853 Bottroff M V (o)
4869 Cordtz R C (o)
4872 Pease D'Arcy (o)

KENNEBECK COURT (Mission Beach)—East and w from Mission blvd, 7 n of Amusement Center
715 Vacant
Mission blvd intersects
806 Vacant
810 Vacant
816 Vacant
818 Thomas Jennie Mrs (o)
Bayside walk intersects

KENSINGTON DRIVE (Kensington Park) — North from 4100 Monroe av
4519 Cooper E C (o)
4520 Ferris J C
4526 McAlear Albt
4532 Cuthbert G H (o)
4535 Shreve J E (o)
4538 Robbins G W (o)
4543 McVay C L (o)
rear Woodgate J M
4544 Wilson P C (o)
4547 Consaul L V (o)
4550 Kingsnorth Herman (o)
4551 Brownlee F W Mrs (o)
4556 Hanicker L S
4557 Culver E C Mrs (o)
4561 Miller F C
4562 Smith C T
4568 Minshall D R (o)
4569 Martin N E (o)
4575 Dicey D M
Madison av intersects
4603 Vacant
4608 Osgood W R
4609 Grau F F
4612 Woodworth W H (o)
4615 Brandis A E (o)
4617 Vacant
4620 Thien W P
4621 Allen C F (o)
4626 Howley J J (o)
4627 Whelan B C (o)
4632 Anderson O L Mrs (o)
4638 Rand U Z (o)
4641 De Silva F W
4643 Konieczny J C (o)
4647 Spurbeck I W Mrs (o)
4648 Ratty F J (o)
4651 Starke Fritz
4658 Fulton Frank (o)
4670 McDermott Lawrence (o)
4676 Klicka Fredk ins (o)
Klicka Fredk jr ins
4680 Speer W A
4648 Anderson G E Mrs
Adams av intersects
4718 Greer J F (o)
Martin Mary E music tchr
4719 Rickman P H
4720 Kemp H J (o)
4725 Sanders J F Rev
4726 Sonnabaum Jacob
4732 Vacant
4733 Gaines W E
4738 Strick G B
4741 Dreyer F J (o)
4745 Rodia Matteo
4750 Belfort L E (o)
4756 Nasi Gustav
4757 Vacant
4760 McCune W A
4769 Lawrie Annie M (o)
4770 Kimball J L (o)
4787 Ellis Constance D
Jefferson av intersects
4802 Sanguinet R V
4803 Page W A
4807 Ballantyne E B Mrs (o)
4808 Chesebrough J M
4812 Brown C E Mrs
4817 Woolley Ted
4839 Gunn F J (o)
4849 Anderson V H
4861 Brown L H
4866 Schur M A
4867 Hammond E B (o)
4871 Crowley Emmett (o)
4876 Pheley W H Rev (o)
4880 Putnam L W
4885 Longworth C R (o)
4888 Allison H F (o)
Canterbury dr intersects
4902 Kruse E L (o)
4909 Daugherty Eliz Mrs
4910 Ball R J (o)
Westminster ter intersects
4915 Emerson H P (o)
4917 Long Chas (o)
4918 Damman Fred
4921 Stoddart Geo
4925 Barber H B Mrs (o)
4938 Weidel M G Mrs (o)
4957 Vacant
4965 Taylor O M (o)
4971 Vacant
4977 Schurrer O O (o)
Norfolk ter intersects
5001 Bronson H B (o)
Sanford Della Mrs drsmkr
5006 Titus E E (o)
5010 Myers Lloyd
5011 Manzeck R H (o)
5015 Trevelyan R A
5017 Churchill H P Mrs
5025 Hart T C
5026 Fitzpatrick Jos (o)
Rochester rd intersects
Hilldale rd intersects

KENT AV (Pacific Beach) — North from bay, 2 w of 4100 Grand av

KENWOOD (Encanto) — East from Glen rd, 2 s of Radio rd

KETTNER BLVD—North from 700 W Market, bet California and India
613 Fleming A N
615 Danielson J L
617 O'Galligan Andw (o)
619 Robles Encarnation
621 Vacant
629 McPherson Saml motor cycles
665 Vacant
G intersects
F intersects

TP	Adjoining	Source
-	✓	San Diego Directory Co.

SHAFTUR ST 1933

4830 Blair Lacy
4832 Lorain A W
4836 Blattler J F
4852 Blattler Theo
Hammack E O

SCHLEY—Southwest from S 26th, 3 s of National av

SCHOOL—East from Hawley blvd, 1 s of Adams av

3463 Calhoon Roy (o)
3468 Sutherland C H M Rev
3469 Wilkinson R C
3475 Evans Milton
3491 Normal Heights Branch Public Library

SCIMITAR DRIVE (Encanto)—North from 6300 Bach av

6142 Jayne Lydia Mrs (o)
6149 Westerdahl A G (o)
6152 Burroughs B C (o)
6189 Smoor Pieter (o)
6209 Willett R M (o)
6256 Columbus Aug
6268 Gassner Jos (o)
6276 Hindmarsh E C Mrs
6286 Larkins John (o)
6294 Vacant

Wren ends

6366 Vacant
6380 Vacant
6383 Douglas G F (o)

Winnett intersects

6392 Stromquist J A
6396 Rumple Margt (o)
6530 Gates L R (o)

SCOTT (Roseville)—North from Armada ter, 1 e of Rosecrans

1108 Silva M G (o)
rear Sousa John

Canon intersects

1124 Nunes Mary Mrs
1126 Simas Domingo
rear Lial Mary Mrs
1148 Lucas J C (o)
1168 Coelho Manuel
1205 Pestano Manuel
1211 Techerra Jos
1227 Goularte Jos
1229 Goularte Victor

Carleton intersects

SEA LANE (La Jolla)—East from 4 blks w of 7300 La Jolla blvd

302 Ashbaugh M M Mrs (o)
306 Rollins R E
307 Sackett P H
340 Cooke F W
349 Miller W W
359 Seabold Delephine M

Monte Vista av intersects

425 Richert J J jr

Olivetas av intersects

445 Ramsey Grace Mrs
450 Hammond J M

La Jolla blvd intersects

510 Gross F D
550 Doctor Jas (o)
552 Oriental
554 Beachy Copeland
561 Vacant
563 Lind C O

Cuvier ends

615 McLaughlin T L

Draper av intersects

SEAGIRT COURT (Mission Beach)—East and w from Mission blvd, 29 n of Amusement Center

708 Vacant
712 Vacant
720 Myers P W (o)

Mission blvd intersects

806 Ogden W J
808 Eddy T R
811 Vacant
818 Vacant
819 Oliver J R (o)
821 Sherman Philip
825 Tracy L S Mrs
826 Vacant

Bayside walk intersects

SEA ROSE PLACE (La Jolla)—North from Forward, 3 w of 5600 La Jolla blvd

SEASIDE (Ocean Beach)—Northeast from 4550 Voltaire

2215 Wylie A L (o)
2221 Hoehner Julius
2224 Schofield P B (o)
2233 McCutcheon S J
2239 Maurer O O
2253 Stover G J (o)
2255 Ross W R
2259 Hood W H
2260 Johnson O E (o)

Green intersects

2303 Rice L B
2310 Chamberland Van Lender
2312 Hubbard Arth (o)
2319 Johnstone M C Mrs (o)
Williams E D

Larkspur intersects

2361 Hutchinson Jennie Mrs (o)
2387 Justins John

Castellar intersects

2414 Settle Wm

West Pt Loma blvd intersects

SELMA PLACE (Encanto)—North from 2 blks s of 5350 Radio dr

749 May A H (o)
750 Grimsley S L
776 Clancy W J (o)

SEMINOLE DRIVE — South from 6400 El Cajon av

4630 Long J B Mrs
4643 Lee Wm
4645 Mason A B (o)
4725 Sherman R M (o)
4743 Allen T R (o)
4745 McCartney L F
4799 Warner Derrick (o)
4848 Burgess O A (o)

El Cajon av intersects

SEPTEMBER (North San Diego)—East from February, 2 n of Summer

SEQUOIA (Pacific Beach) — North from 1850 Mission View blvd

4080 Knox A R

SHADOW LAWN WAY—West from 3030 Locust, 1 blk to Evergreen

3111 Harritt C F
3121 Kirby M B

SHAFTUR (Roseville) — North from Upshur, 2 e of 1070 Rosecrans

1662 Einhaus Aug

SHAMROCK (East San Diego)—South from s end of Sycamore

2410 Clemens J A (o)
2416 Johnson I A (o)
2422 Vacant

SHASTA (Pacific Beach)—North from 1750 Mission blvd, 5 s of Pacific av

3754 Schmidt Cornelia E (o)
3778 Bay View Apartments
Carroll L D
Roche Steph
Vint Walter
Warren Chas

La Playa av intersects

Roosevelt av intersects

3826 Butler Leonard
3904 Vacant
4017 Wilson J E
4036 Beardslee N M

SHAULES AV (Encanto)—East from 300 63d

6308 Vandeventer Abr (o)
6365 Gray E E
6370 Patton Anna Mrs
6465 Williams J R

SHERIDAN AV—South and w from 1800 Sunset blvd

1801 Coffield L C Mrs (o)
1807 Delta Sigma Fraternity
Spears Clyde
1811 Peck L A (o)
1815 Trefzger F N Mrs (o)
1816 Stevenson Geo
1819 Reed O P
1823 Whitaker R W (o)
1824 Niven Janet Mrs (o)
1825 McCutchen J C
1834 Vacant

Lyndon rd intersects

1840 Jennings L D (o)
1844 Berg M A (o)
1845 Denton M R Mrs
1852 Darnell W L
1859 Martin Abbie Mrs
1870 Champlin G J (o)
Goatley Rebecca L
1875 McClendon S J (o)
1882 Benbough H L (o)
1885 Long L C
1889 Vacant
1899 Wier Rena Mrs (o)

St James pl intersect

1946 Kunzel Fred (o)

SHERMAN (North San Diego—Northeast from 1 blk n o 4350 Greenwood

4450 Gannon Michl (o)
4549 Triplew C W (o)

Morena blvd intersect

SHILOH ROAD (East San Diego)—North from Ogden, 2 of 3750 52d

SHIRLEY ANN PLACE—Sout from 2341 Madison av, be Texas and Louisiana

4501 German A S Mrs (o)
4509 Herrick G T
4512 Janeck M C Mrs
4520 Weckerly W R Rev
4521 Vacant
4532 Brixey Howard
4536 Rover A M
4543 McConnell J H (o)
4544 Pace C R
4547 Young R N
4552 Thudium O R
4564 McCurdy C F (o)
4580 Donovan J W (o)
4581 Robertson C F

SHORT (Kensington Park)-East from Talmadge dr, 1 of Adams av

SICARD — Southwest from 28th, 1 s of Ocean View blv

408 Stewart R H
409 Amati Mitchell
414 Gier V A
420 Stock W J
430 Sheldon Alvin
438 Gendron Geo
444 Wedel C P (o)

Harrison av intersec

506 Freeman Beatrice Mrs (c
514 Vacant
521 Vacant
522 Vacant
536 Lundberg Walter
Smith H O
540 Kirk Gardner
544 Schott Henry (o)

KEATS ST 1927

1932 Hochart Geo
Lecoq Vital
Muchmore C B Mrs
1940 Bacon B V
Lovell D J
1945 McGovney Saml
1950 Ward W H
1952 Johnson N M
1953 Merfeld P F
1957 Odenthal P J
1960 Snyder J R
1963 Macias F D
1966 Quaglia Jno
1973 Souza Antone
1975 Sousa Jos
1976 Wier W H
1982 Henreys Mabelle Mrs
1995 Nurses Directory
Physicians' and Surgeons' telephone exchange
Taylor Mary H
Whitney E D Mrs
1996 Pohl A J gro

Dewey

2011 Vacant
2012 Luevano J D
2019 Vacant
2020 Gartner J S Mrs
2021 Luevano J Delores
2023 Karman Leah Mrs
2025 Good R H
2026 Kearney Apartments
Bahrs E J
Hickok E F
Lonergan L R
Pittullo Lafayette
2029 Buzzard P E
2031 Dent J H
2034 Acosta Delores
2035 Settle I E
2037 Raedels G C
2038 Butt C P
2040 Horton Stanley
2042 Kniesel W L
2045 Swett W H
2049 Ross Hyman
rear Dunow Wm
2054 Ekman A R
2058 Rogas G R
2060 Boget R D Mrs
2061 Stewart Cecil
rear Bjork Elna
2069 Pitts G L
2070 Carson Wilbur
2075 Edman S E Mrs
2078 Pitts A W
2084 Keppler Lottie Mrs
Weaver J J

Evans

2104 Clark Louise Mrs
2118 Irwin B L
2120 Sgobassi J B
2127 Noble Jno
2130 Streight Mary Mrs
2135 Hansson Jonas
2140 Himebaugh I J Mrs
2145 Wood Henry
2146 Ranson Chas
2148 Rogers Sarah Mrs
2149 Bitinis A W
2154 St James Protestant Episcopal Church
2155 Sodahl C O G
2160 Carpenter Vilah
2165 Myers A W Mrs
2175 Burdick E E Mrs
2177 Austin Arth
2181 Bake E W
2183 Braffet B H
2185 Orr Lillie Mrs
2186 Elliott M C Mrs
2190 McLachlan Jno
2191 Logan Heights Congregational Church

Sampson

2202 Altermath Chas
Bohler C E
Smallwood P G Mrs
Taylor D S
rear Taylor D S
2209 Casserly H B
2212 Hall M S
2221 Savage H B
2227 Pohle O D
2229 Sharman J G
2230 Chiera Bernardo
2233 Baldwin L H
2236 Strehle Frank
Rohlfs H W
2242 Keith A W
2245 Rohlfs A H
2247 Edwards A F
2252 Mouton Chas
2254 Anda Secundino
2257 Hume J H
2258 Letts D M
2259 Miller R T
2262 Woodcock P B
2265 Petersen Hans
2266 Legrand Alex
2277 Tinz F J
2283 Bradley W C
Strubbe F W
2284 Fire Station No 12
2287 Blair I W gro
2290 Lopez Leonard
2294 Alumbaugh Jno
2296 Neely J L

Sicard
Marcey av

KEARSARGE ROAD (La Jolla) East from 7750 Crespo, 1 south of Soledad av
1745 Skiles A V

KEATING—Northeast from 3800 India
3555 Marangunich Frank

Linwood
Guy

3669 Kauffmann Fredk
3670 Glover L B

Puterbaugh
Torrence
Neale
Sutter
Tupper
Sublett

KEATS (Roseville)—Northwest from 2 blks south of 1600 Rosecrans

Shafter
Scott
Rosecrans
Locust
Evergreen
Willow
Plum
Clove

2801 Converse J P

KELLOGG (La Playa)—West from 350 San Antonio av
2802 Smith R H Mrs

San Antonio av

2926 Medina Jos
2928 Nethery W F
2945 Thaanum Odin

Rosecrans
San Elijo
San Fernando
San Gorgoni

KENDALL (Pacific Beach)—North from 1800 La Playa av

Roosevelt av

3972 Vacant

Sunset av

4005 Vacant
4063 Rector F W
4085 Kyte R B
Mordy T R
4085½ Newcomb H E

Pacific av
Oliver av
Reed av

4265 Barnes W G
4275 Warren Jno
4280 Curry D R
4288 Samuel W E
4291 Buck H F

Thomas av
Grand av
Hornblend
Garnet

4519 Moore E H

Felspar
Emerald
Diamond
Missouri
Chalcedony
Law
Beryl

4915 Doty E E Mrs
4941 McCoy A J

KENMORE TERRACE (Normal Heights)—Northwest from Mountain View dr, 1 north of Adams av
4710 Sandstrom C D
4714 Fulley A J
4726 Zimmermann Albt
4727 Tidrow A A
4734 Kirtley E B
4735 Ketchum Hannah Mrs
4742 Charpiot J A Mrs
4750 Stranghn A E Mrs
4758 Duffey Wm
4764 Wright A M
4772 Vacant
4780 Schutz G W
4802 Hasty J P
4817 Shopp J F
4821 Palacious V E
4825 Houston B L Mrs
4832 Krymer C T
4835 Vacant
4836 Norton C L
4843 Kenney F A
4849 Dadisman J W
4853 Bottroff M V
4857 Freeman Jno
4869 Cordtz R C
4872 Pease De Arcy

KENNEBECK COURT (Mission Beach)—East and west from Mission blvd 7 north of Amusement Center
806 Williams G H
816 Vacant
818 Thomas H C
836 Schaufelberger H E

KENSINGTON DRIVE (Kensington Park)—North from 4100 Monroe av

Monroe av

4519 Cooper E C
4520 Holt J P
4526 Noack P J
4532 Cuthbert G H
4535 Shreve J E
4538 Daughtry J R
4543 McCay C L
4544 Wilson P C
4547 Coover C E
4550 Kingsworth Herman
4556 Vacant
4557 Culver E C Mrs C S pract
Culver F D
4559 Vacant
4562 Smith C T
4568 Minshall D R
4569 Martin N E
4575 Dicey D M

Madison av

4603 Clements A B

North Harbor Drive
4900 North Harbor Drive
San Diego, CA 92106

Inquiry Number: 7007244.10
June 07, 2022

EDR Environmental Lien and AUL Search

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien and AUL Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

4900 North Harbor Drive
North Harbor Drive
San Diego, CA 92106

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found ☐ Not Found ☒

RESEARCH SOURCE

Source 1:

San Diego Recorder
San Diego, CA

PROPERTY INFORMATION

Deed 1:

Type of Deed:	deed
Title is vested in:	Driscoll Marina Ltd
Title received from:	CCB Bancorp Inc
Deed Dated	12/30/1992
Deed Recorded:	12/30/1992
Book:	NA
Page:	na
Volume:	na
Instrument:	na
Docket:	NA
Land Record Comments:	
Miscellaneous Comments:	
Legal Description:	See Exhibit
Legal Current Owner:	Driscoll Marina Ltd
Parcel # / Property Identifier:	760-004-42-00
Comments:	See Exhibit

Deed Exhibit 1

3 RECORDED REQUEST OF FIRST AMERICAN TITLE CO.

1045248-2

F P ND UF OC TT

444

DOC # 1992-0842301
30-DEC-1992 03:59 PM

OFFICIAL RECORDS
SAN DIEGO COUNTY RECORDER'S OFFICE
ANNETTE EVANS, COUNTY RECORDER

RF:	8.00	FEES:	50.00
AF:	11.00	AFNF	
MF:	1.00		
UF:	10.00		
OC:	20.00		
TAX:	N.D.		

RECORDING REQUESTED BY AND WHEN RECORDED MAIL TO:

Driscoll Marina, Ltd.
2500 Shelter Island Drive
San Diego, California 92106

MAIL TAX STATEMENTS TO:

Driscoll Marina, Ltd.
2500 Shelter Island Drive
San Diego, California 92106

CORPORATION GRANT DEED

THIS GRANT DEED ("Deed") is made and entered into this 30 day of December, 1992, between CCB BANCORP, INC., a Delaware corporation ("Grantor"), and DRISCOLL MARINA, LTD. a California limited partnership ("Grantee").

W I T N E S S E T H:

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Grantor hereby GRANTS to Grantee, it successors and assigns, its leasehold interest in that certain real property in the County of San Diego, State of California (the "Property") and more particularly described in Exhibit A attached hereto and incorporated herein by this reference.

TOGETHER with all right, title and interest in and to the personal property described in Exhibit B attached hereto and incorporated herein by this reference.

2

EXECUTED as of the day and year set forth above.

CCB BANCORP, INC., a Delaware corporation

By: __________
Its: Vice President

[ALL SIGNATURES TO BE ACKNOWLEDGED]

[OFF-RECORD TRANSFER TAX DECLARATION REQUIRED]

2

State of California)
) ss:
County of Orange)

On December 30, 1992, before me, JULIE K. CHAPMAN, a Notary Public, personally appeared DON BRUNER, personally known to me (or proven to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon whose behalf the person acted, executed the instrument.

WITNESS my hand and official seal.

OFFICIAL SEAL
JULIE K. CHAPMAN
NOTARY PUBLIC-CALIFORNIA
SAN DIEGO COUNTY
My comm. expires APR 29, 1994

Julie K. Chapman
Notary Public

EXHIBIT A

LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN IS SITUATED IN THE STATE OF CALIFORNIA, COUNTY OF SAN DIEGO, AND IS DESCRIBED AS FOLLOWS:

PARCEL 1:

THOSE PORTIONS OF THE TIDE SUBMERGED OR FILLED LANDS OF THE BAY OF SAN DIEGO, IN THE CITY OF SAN DIEGO, STATE OF CALIFORNIA, BEING A PORTION OF THOSE LANDS CONVEYED TO THE CITY OF SAN DIEGO, BY THE STATE OF CALIFORNIA, UNDER THE PROVISIONS OF THAT CERTAIN ACT OF THE LEGISLATURE OF THE STATE OF CALIFORNIA, APPROVED MAY 1, 1911, AS SUBSEQUENTLY AMENDED AND LYING WITHIN THE FOLLOWING DESCRIBED LAND:

COMMENCING AT HARBOR LINE STATION NO. 444 ON THE U.S. BULKHEAD LINE, AS SAID HARBOR LINES ARE NOW ESTABLISHED FOR THE BAY OF SAN DIEGO, AND DELINEATED ON MAP ENTITLED "HARBOR LINES, SAN DIEGO BAY, CALIFORNIA, FILE NO. (D.O. SERIES) 425.1", APPROVED BY THE SECRETARY OF THE ARMY, AUGUST 18, 1965, AND FILED IN THE OFFICE OF THE DISTRICT ENGINEERING LOS ANGELES, CALIFORNIA; THENCE NORTH 0°23'25" EAST A DISTANCE OF 51.87 FEET; THENCE SOUTH 53°40'24" EAST A DISTANCE OF 170.00 FEET TO THE TRUE POINT OF BEGINNING OF PARCEL NO. 1; THENCE NORTH 36°19'36" EAST A DISTANCE OF 120.00 FEET; THENCE SOUTH 53°40'24" EAST A DISTANCE OF 880.28 FEET; THENCE SOUTH 36°19'36" WEST A DISTANCE OF 120.00 FEET; THENCE NORTH 53°40'24" WEST A DISTANCE OF 880.28 FEET TO THE TRUE POINT OF BEGINNING OF PARCEL NO. 1.

PARCEL 2:

THOSE PORTIONS OF THE TIDE SUBMERGED OR FILLED LANDS OF THE BAY OF SAN DIEGO, IN THE CITY OF SAN DIEGO, STATE OF CALIFORNIA, BEING A PORTION OF THOSE LANDS CONVEYED TO THE CITY OF SAN DIEGO, BY THE STATE OF CALIFORNIA, UNDER THE PROVISIONS OF THAT CERTAIN ACT OF THE LEGISLATURE OF THE STATE OF CALIFORNIA, APPROVED MAY 1, 1911, AS SUBSEQUENTLY AMENDED AND LYING WITHIN THE FOLLOWING DESCRIBED LAND:

COMMENCING AT THE ABOVE DESCRIBED HARBOR LINE STATION NO. 444 ON THE SAID U.S. BULKHEAD LINE; THENCE NORTH 0°23'25" EAST A DISTANCE OF 51.87 FEET; THENCE SOUTH 53°40'24" EAST A DISTANCE OF 130.00 FEET TO THE TRUE POINT OF BEGINNING OF PARCEL NO. 2; THENCE CONTINUING SOUTH 53°40'24" EAST A DISTANCE OF 920.28 FEET; THENCE SOUTH 36°19'36" WEST A DISTANCE OF 332.00 FEET TO A POINT ON THE U.S. PIERHEAD LINE AS SAID U.S. PIERHEAD LINE IS NOW ESTABLISHED FOR THE BAY OF SAN DIEGO AND AS DELINEATED ON THE ABOVE DESCRIBED HARBOR LINES MAP, SAID POINT LYING SOUTH 53°40'24" EAST A DISTANCE OF 857.70 FEET FROM HARBOR LINE STATION NO. 449; THENCE NORTH 53°40'24" WEST ALONG SAID U.S. PIERHEAD LINE A DISTANCE OF 817.70 FEET; THENCE LEAVING SAID U.S. PIERHEAD

LINE NORTH 36°19'36" EAST A DISTANCE OF 79.29 FEET; THENCE NORTH 0°23'25" EAST A DISTANCE OF 174.79 FEET; THENCE NORTH 36°19'36" EAST A DISTANCE OF 111.19 FEET TO THE TRUE POINT OF BEGINNING OF PARCEL NO. 2.

PARCEL 3:

AN EASEMENT AND RIGHT OF WAY FOR INGRESS AND EGRESS FOR PEDESTRIANS AND MOTOR VEHICLES OVER A PAVED DRIVEWAY AS DELINEATED AND DESIGNATED ON DRAWING NO. 2468-B, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, JANUARY 26, 1983 AS FILE NO. 83-015918 OF OFFICIAL RECORDS, OVER, ALONG AND ACROSS THAT PORTION OF THE TIDE SUBMERGED OR FILLED LANDS OF THE BAY OF SAN DIEGO, IN THE CITY OF SAN DIEGO, STATE OF CALIFORNIA, BEING A PORTION OF THOSE LANDS CONVEYED TO THE CITY OF SAN DIEGO, BY THE STATE OF CALIFORNIA, UNDER THE PROVISIONS OF THAT CERTAIN ACT OF THE LEGISLATURE OF THE STATE OF CALIFORNIA, APPROVED MAY 1, 1911, AS SUBSEQUENTLY AMENDED, THAT SHALL NEVER BE LESS THAN 24.00 FEET IN WIDTH, LYING WITHIN THE FOLLOWING DESCRIBED PROPERTY:

COMMENCING AT HARBOR LINE STATION NO. 444 ON THE U.S. BULKHEAD LINE, AS SAID HARBOR LINES ARE NOW ESTABLISHED FOR THE BAY OF THE SAN DIEGO AND DELINEATED ON MAP ENTITLED "HARBOR LINES, SAN DIEGO BAY, CALIFORNIA, FILE NO. (D.O. SERIES) 425.1", APPROVED BY THE SECRETARY OF THE ARMY, AUGUST 18, 1965; THENCE NORTH 0°23'25" EAST A DISTANCE OF 51.87 FEET TO THE TRUE POINT OF BEGINNING; THENCE CONTINUING NORTH 0°23'25" EAST 234.98 FEET TO A POINT ON THE SOUTHERLY RIGHT OF WAY LINE OF HARBOR DRIVE AS ESTABLISHED FOR PUBLIC USE; THENCE SOUTH 89°36'35" EAST ALONG THE SOUTHERLY RIGHT OF WAY OF SAID HARBOR DRIVE, A DISTANCE OF 123.37 FEET; THENCE LEAVING SAID SOUTHERLY RIGHT OF WAY LINE OF HARBOR DRIVE SOUTH 36°19'36" WEST 142.65 FEET; THENCE SOUTH 53°40'24" EAST 208.02 FEET; THENCE SOUTH 36°19'36" WEST 120.00 FEET; THENCE NORTH 53°40'24" WEST 170.00 FEET TO THE TRUE POINT OF BEGINNING.

EXHIBIT B

DESCRIPTION OF PERSONAL PROPERTY

All of Grantor's estate, right, title and interest in, to and under any of the personal property and fixtures in, on, upon, relating to or arising out of the real property described in the foregoing Exhibit A:

INCLUDING all easements, rights, privileges, tenements, hereditaments and appurtenances thereunto belonging or in anywise appertaining, and all of the estate, right, title, interest, claim, demand, reversion or remainder whatsoever of Grantor therein or thereto, either at law or in equity, in possession or expectancy, now or hereafter acquired, including, without limitation, all and singular the ways, water, water courses, water rights and powers, liberties, privileges, sewers, pipes, conduits, wires and other facilities furnishing the utility or other services to the property (collectively, the "Land");

TOGETHER with all of the right, title and interest of Grantor in and to all buildings, structures and improvements now or hereafter erected on the Land including all plant equipment, apparatus, machinery and fixtures of every kind and nature whatsoever now or hereafter located on or forming part of said buildings, structures and improvements (collectively, the "Improvements"; the Land and Improvements being hereinafter collectively referred to as the "Premises");

TOGETHER with all of the right, title and interest of Grantor in and to the land lying in the bed of any street, road, highway or avenue in front of or adjoining the Premises;

TOGETHER with all goods, equipment, machinery, furniture, furnishings, fixtures, appliances, inventory, building materials, chattels and articles of personal property, including any interest therein affixed to, attached to or used in any way in connection with or to be incorporated at any time into the Premises or placed on any part thereof wheresoever located, whether or not attached to or incorporated in the Premises, together with any and all replacements thereof, appertaining and adapted to the complete and compatible use, enjoyment, occupancy, operation or improvement of the Premises (collectively, the "Chattels");

TOGETHER with all leases of the Premises or the Chattels or any part thereof now or hereafter entered into and all right, title and interest of Grantor thereunder, including, without limitation, cash or securities deposited thereunder to secure performance by the lessees of their obligations thereunder (whether such cash or securities are to be held until the expiration of the terms of such leases or applied to one or more of the installments of rent coming due immediately prior to the expiration of such terms), all rights to all insurance proceeds and unearned insurance premiums arising from or relating to the Premises, all other rights and easements of Grantor now or hereafter existing pertaining to the use and enjoyment of the Premises and all right, title and interest of Grantor in and to all declaration of covenants, conditions and restrictions as may affect or otherwise relate to the Premises;

TOGETHER with all permits, plans, licenses, specifications, subdivision rights, security interests, ~~Contracts (as defined in the Purchase Agreement described below)~~, contract rights, public utility deposits, prepaid sewer and water hook-up charges, or other rights as may affect or otherwise relate to the Chattels or the Premises;

TOGETHER with all rents, issues, profits, prepaid municipal and utility fees, bonds, revenues, income and other benefits to which Grantor may now be entitled from, or which are derived from, the Premises or the Chattels; and

WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, TOGETHER with all Intangibles, Personal Property and Subleases (as such terms are defined in that certain Purchase Agreement and Escrow Instructions dated as of May 6, 1992, as amended (the "Purchase Agreement"), between Grantor, as "Seller," and Grantee, as "Buyer").

EXHIBIT B

or improvement of the Premises (collectively, the "Chattels");

TOGETHER with leases of the Premises or the Chattels or any part thereof now or hereafter entered into and all right, title and interest of Grantor thereunder, including, without limitation, cash or securities deposited thereunder to secure performance by the lessees of their obligations thereunder (whether such cash or securities are to be held until the expiration of the terms of such leases or applied to one or more of the installments of rent coming due immediately prior to the expiration of such terms), all rights to all insurance proceeds and unearned insurance premiums arising from or relating to the Premises, all other rights and easements of Grantor now or hereafter existing pertaining to the use and enjoyment of the Premises and all right, title and interest of Grantor in and to all declaration of covenants, conditions and restrictions as may affect or otherwise relate to the Premises;

TOGETHER with all permits, plans, licenses, specifications, subdivision rights, security interests, contracts, contract rights, public utility deposits, prepaid sewer and water hook-up charges, or other rights as may affect or otherwise relate to the Chattels or the Premises;

TOGETHER with all rents, issues, profits, prepaid municipal and utility fees, bonds, revenues, income and other benefits to which Grantor may now be entitled from, or which are derived from, the Premises or the Chattels.

EXHIBIT B

North Harbor Drive
4900 North Harbor Drive
San Diego, CA 92106

Inquiry Number: 7007244.11
June 06, 2022

The EDR Property Tax Map Report

EDR® Environmental Data Resources Inc

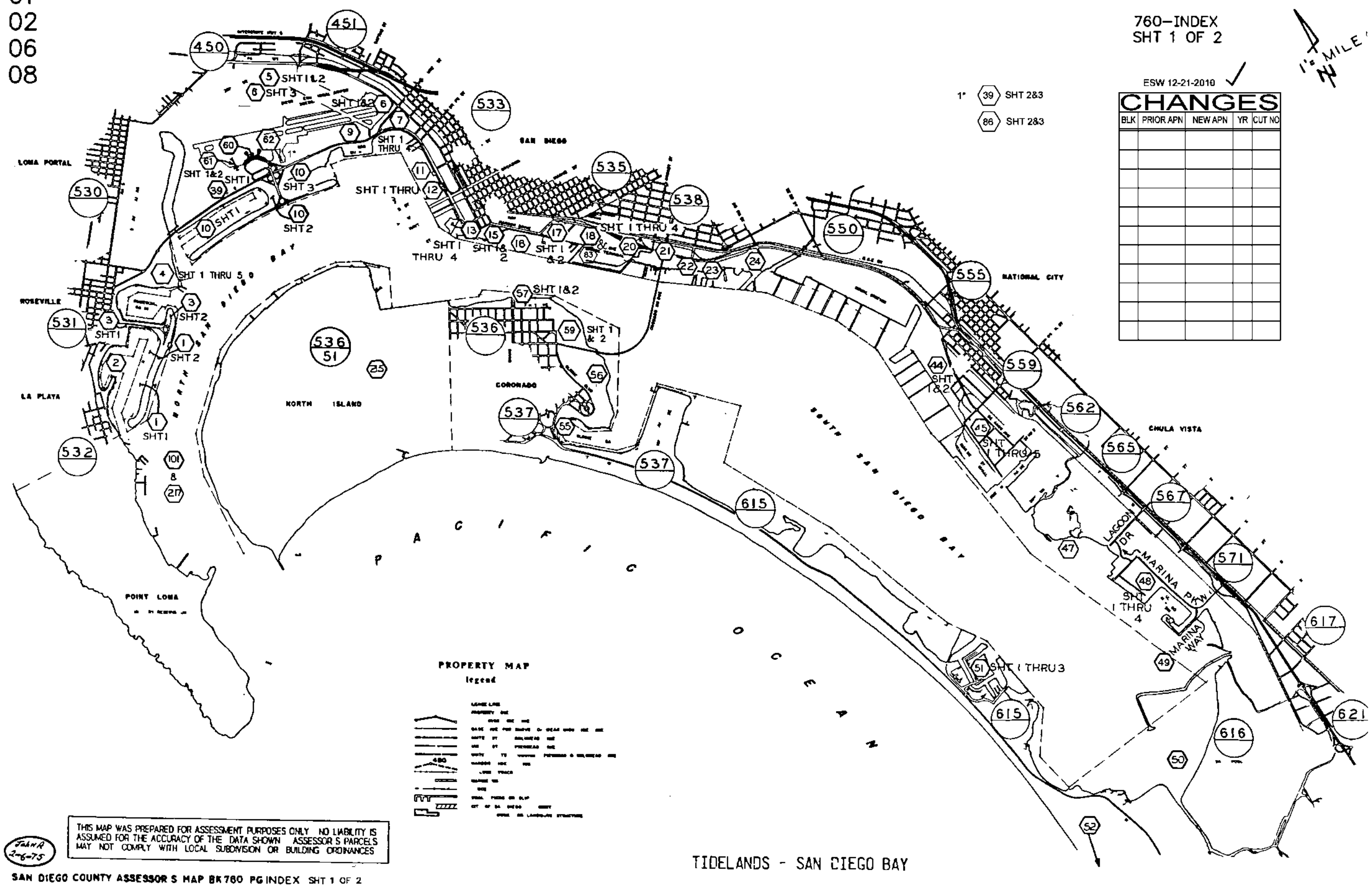
6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

01
02
06
08



760-INDEX
SHT 1 OF 2
ESW 12-21-2010
CHANGES
BLK
PRIOR APN
NEW APN
YR
CUT NO
LOMA PORTAL
ROSEVILLE
LA PLAYA
POINT LOMA
NORTH ISLAND
CORONADO
SAN DIEGO
NATIONAL CITY
CHULA VISTA
P A C I F I C
O C E A N
SOUTH SAN DIEGO BAY
LAGOON DR
MARINA PKW
MARINA WAY
PROPERTY MAP
legend
THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSES ONLY. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA SHOWN. ASSESSOR'S PARCELS MAY NOT COMPLY WITH LOCAL SUBDIVISION OR BUILDING ORDINANCES
SAN DIEGO COUNTY ASSESSOR'S MAP BK760 PG INDEX SHT 1 OF 2
TIDELANDS - SAN DIEGO BAY

08

MISSION BAY
PARK

North Harbor Drive

4900 North Harbor Drive

San Diego, CA 92106

Inquiry Number: 7007244.3

June 06, 2022

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

06/06/22

Site Name:

North Harbor Drive
4900 North Harbor Drive
San Diego, CA 92106
EDR Inquiry # 7007244.3

Client Name:

Kleinfelder, Inc.
770 First Avenue, Suite 400
San Diego, CA 92101
Contact: Jake Lippman

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Kleinfelder, Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # CA0A-4BCC-B6FA

PO # 20182275.004

Project 4900-4930 North Harbor Drive

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: CA0A-4BCC-B6FA

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

Kleinfelder, Inc. (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

North Harbor Drive

4900 North Harbor Drive

San Diego, CA 92106

Inquiry Number: 7007244.4

June 06, 2022

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

06/06/22

Site Name:	**Client Name:**
North Harbor Drive	Kleinfelder, Inc.
4900 North Harbor Drive	770 First Avenue, Suite 400
San Diego, CA 92106	San Diego, CA 92101
EDR Inquiry # 7007244.4	Contact: Jake Lippman

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Kleinfelder, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.#	20182275.004
Project:	4900-4930 North Harbor Drive

Coordinates:

Latitude:	32.724017 32° 43' 26" North
Longitude:	-117.22216 -117° 13' 20" West
UTM Zone:	Zone 11 North
UTM X Meters:	479182.35
UTM Y Meters:	3620713.94
Elevation:	4.62' above sea level

Maps Provided:

2018
2015
2012
1996
1994
1991
1975
1967
1953
1942
1930
1904

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2018 Source Sheets

Point Loma
2018
7.5-minute, 24000

2015 Source Sheets

Point Loma
2015
7.5-minute, 24000

2012 Source Sheets

Point Loma
2012
7.5-minute, 24000

1996 Source Sheets

Point Loma
1996
7.5-minute, 24000
Aerial Photo Revised 1996

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1994 Source Sheets

Point Loma
1994
7.5-minute, 24000
Aerial Photo Revised 1975

1991 Source Sheets

SAN DIEGO
1991
15-minute, 50000

1975 Source Sheets

Point Loma
1975
7.5-minute, 24000
Aerial Photo Revised 1975

1967 Source Sheets

Point Loma
1967
7.5-minute, 24000
Aerial Photo Revised 1966

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

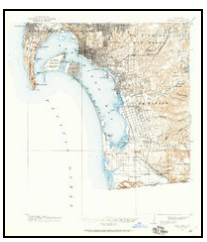
1953 Source Sheets

Point Loma
1953
7.5-minute, 24000
Aerial Photo Revised 1950

1942 Source Sheets

Point Loma
1942
7.5-minute, 31680

1930 Source Sheets



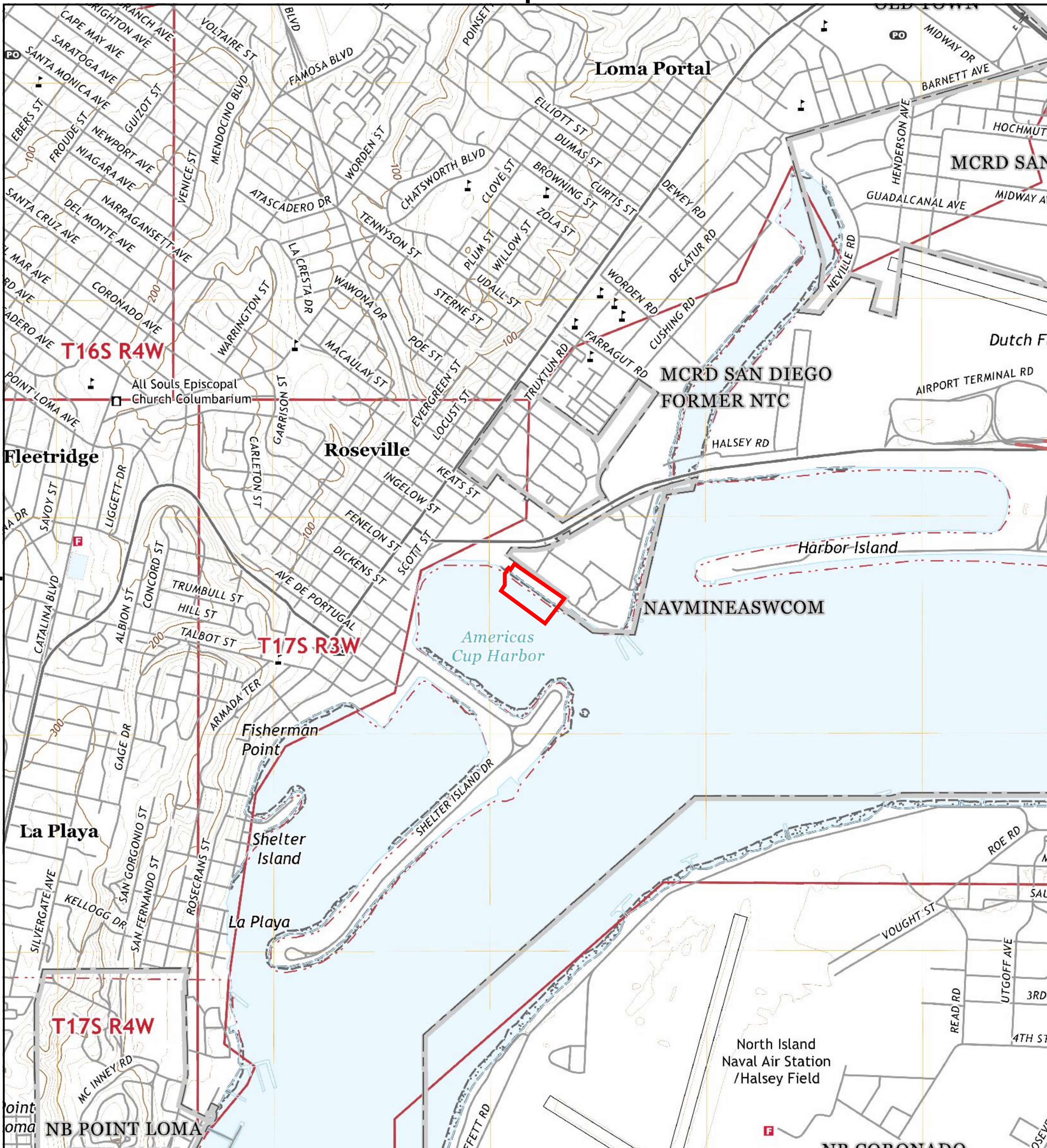
San Diego
1930
15-minute, 62500

1904 Source Sheets

San Diego
1904
15-minute, 62500

Historical Topo Map

2018



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE

W E

SW S SE

TP, Point Loma, 2018, 7.5-minute

SITE NAME: North Harbor Drive
ADDRESS: 4900 North Harbor Drive
San Diego, CA 92106
CLIENT: Kleinfelder, Inc.

N

Historical Topo Map

2015

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

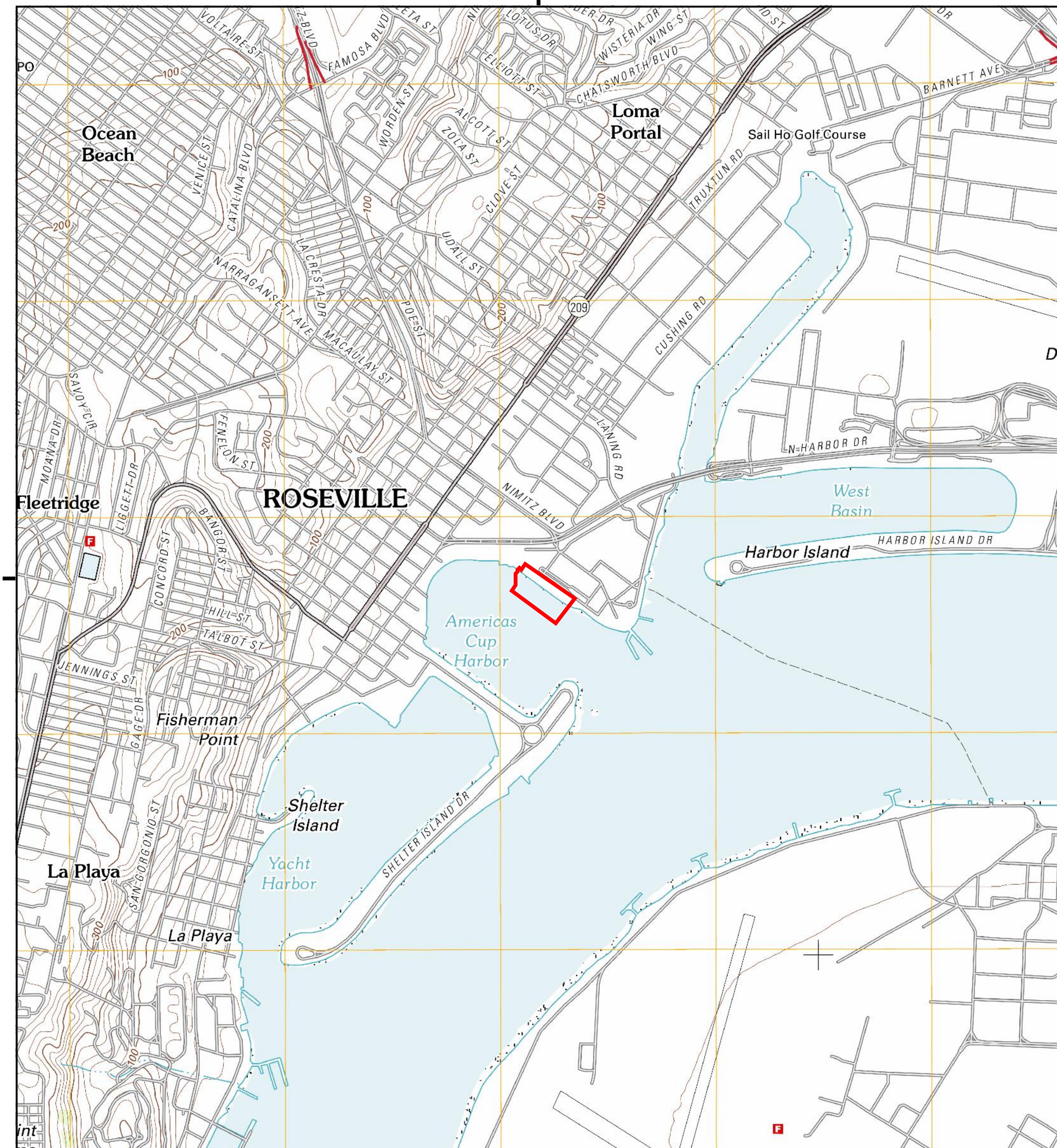
NW N NE
W E
SW S SE

TP, Point Loma, 2015, 7.5-minute

SITE NAME: North Harbor Drive
ADDRESS: 4900 North Harbor Drive
San Diego, CA 92106
CLIENT: Kleinfelder, Inc.

Historical Topo Map

2012



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

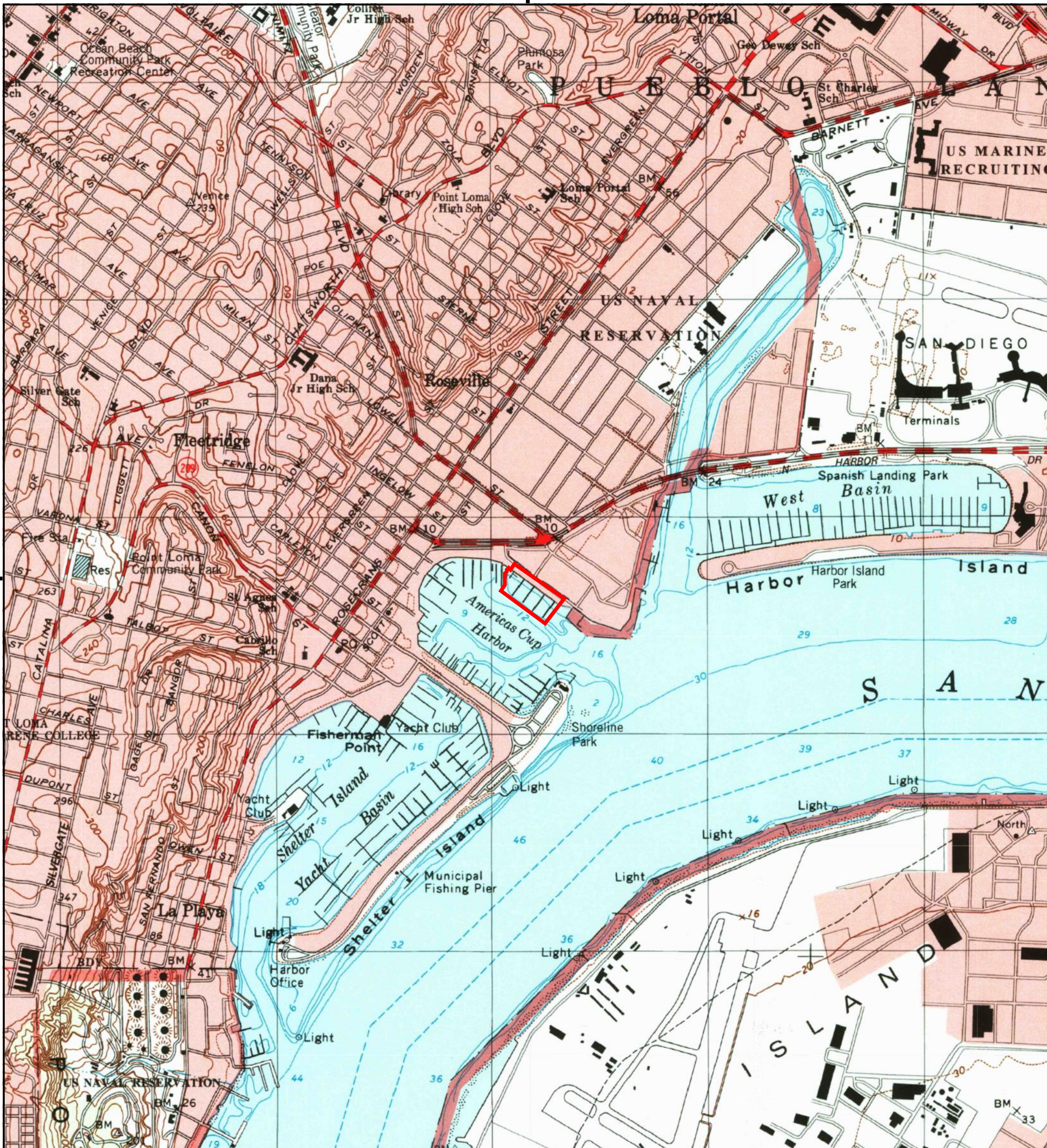
TP, Point Loma, 2012, 7.5-minute

SITE NAME: North Harbor Drive
ADDRESS: 4900 North Harbor Drive
San Diego, CA 92106
CLIENT: Kleinfelder, Inc.

N

Historical Topo Map

1996



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE W E SW S SE

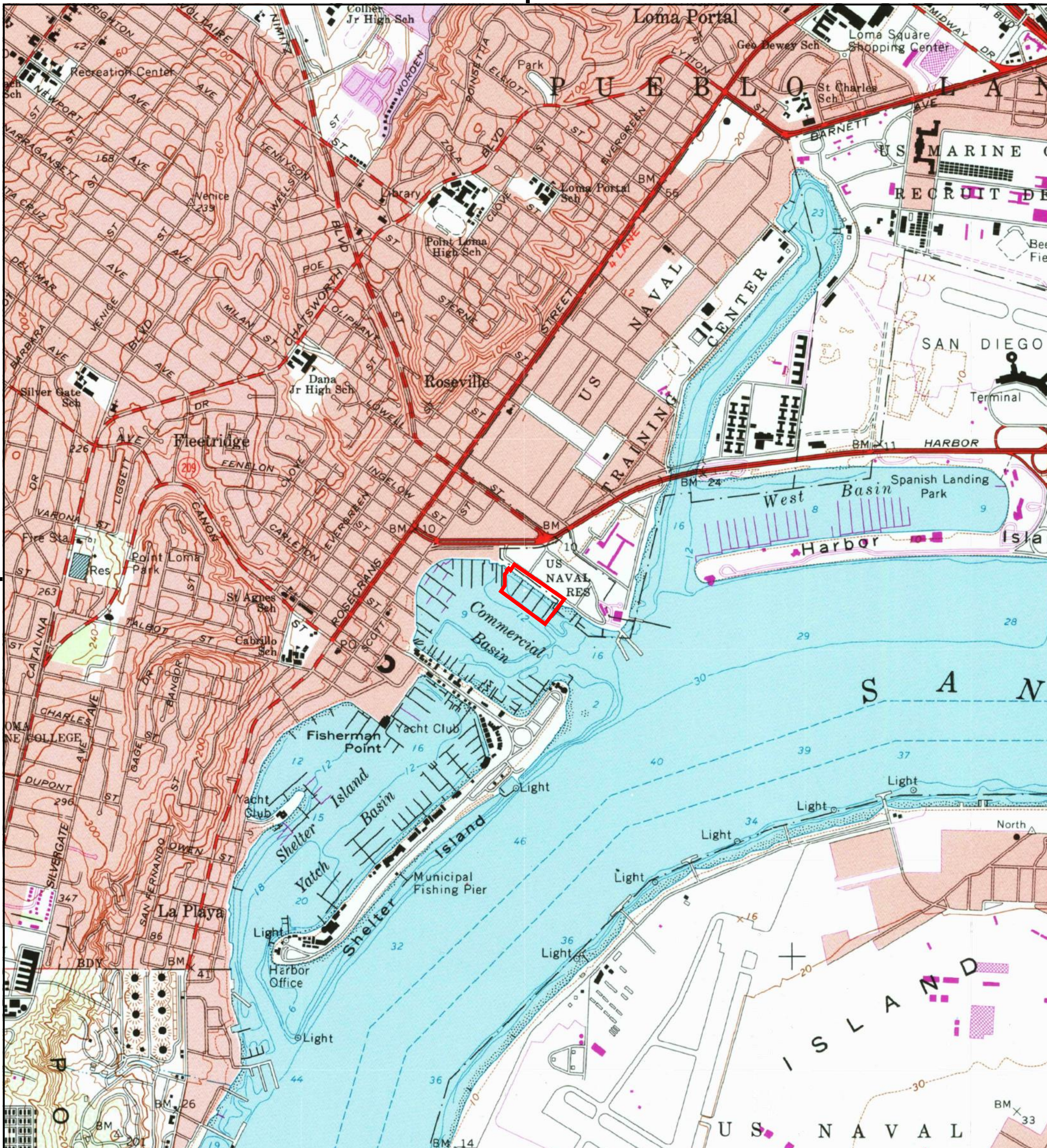
TP, Point Loma, 1996, 7.5-minute

SITE NAME: North Harbor Drive
ADDRESS: 4900 North Harbor Drive
San Diego, CA 92106
CLIENT: Kleinfelder, Inc.

N

Historical Topo Map

1994



This report includes information from the following map sheet(s).

0 Miles	0.25	0.5	1	1.5

NW N NE

W E

SW S SE

TP, Point Loma, 1994, 7.5-minute

SITE NAME: North Harbor Drive
ADDRESS: 4900 North Harbor Drive
San Diego, CA 92106
CLIENT: Kleinfelder, Inc.

N

Historical Topo Map

1991

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

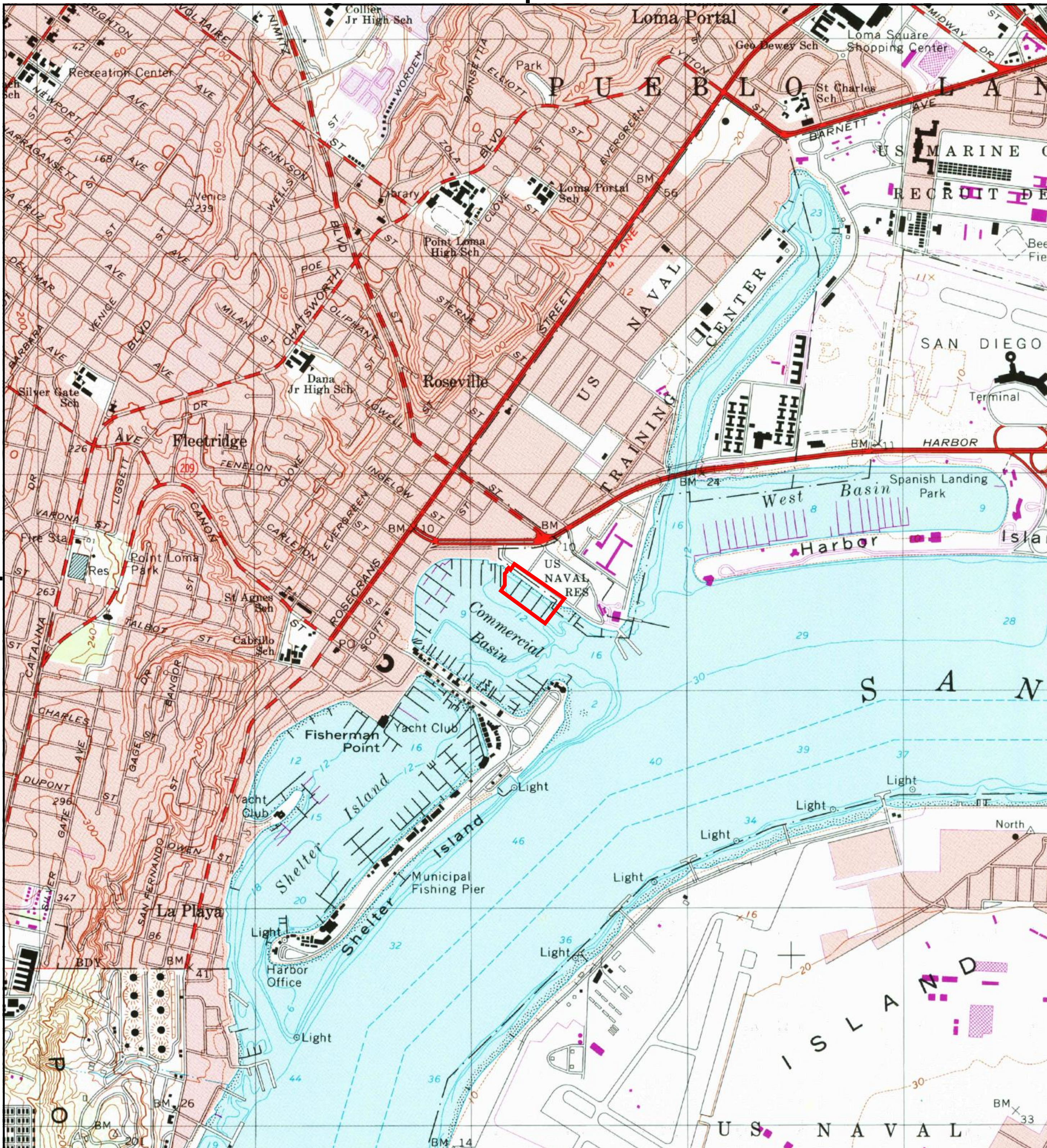
TP, SAN DIEGO, 1991, 15-minute

SITE NAME: North Harbor Drive
ADDRESS: 4900 North Harbor Drive
San Diego, CA 92106
CLIENT: Kleinfelder, Inc.

N

Historical Topo Map

1975



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE W E SW S SE

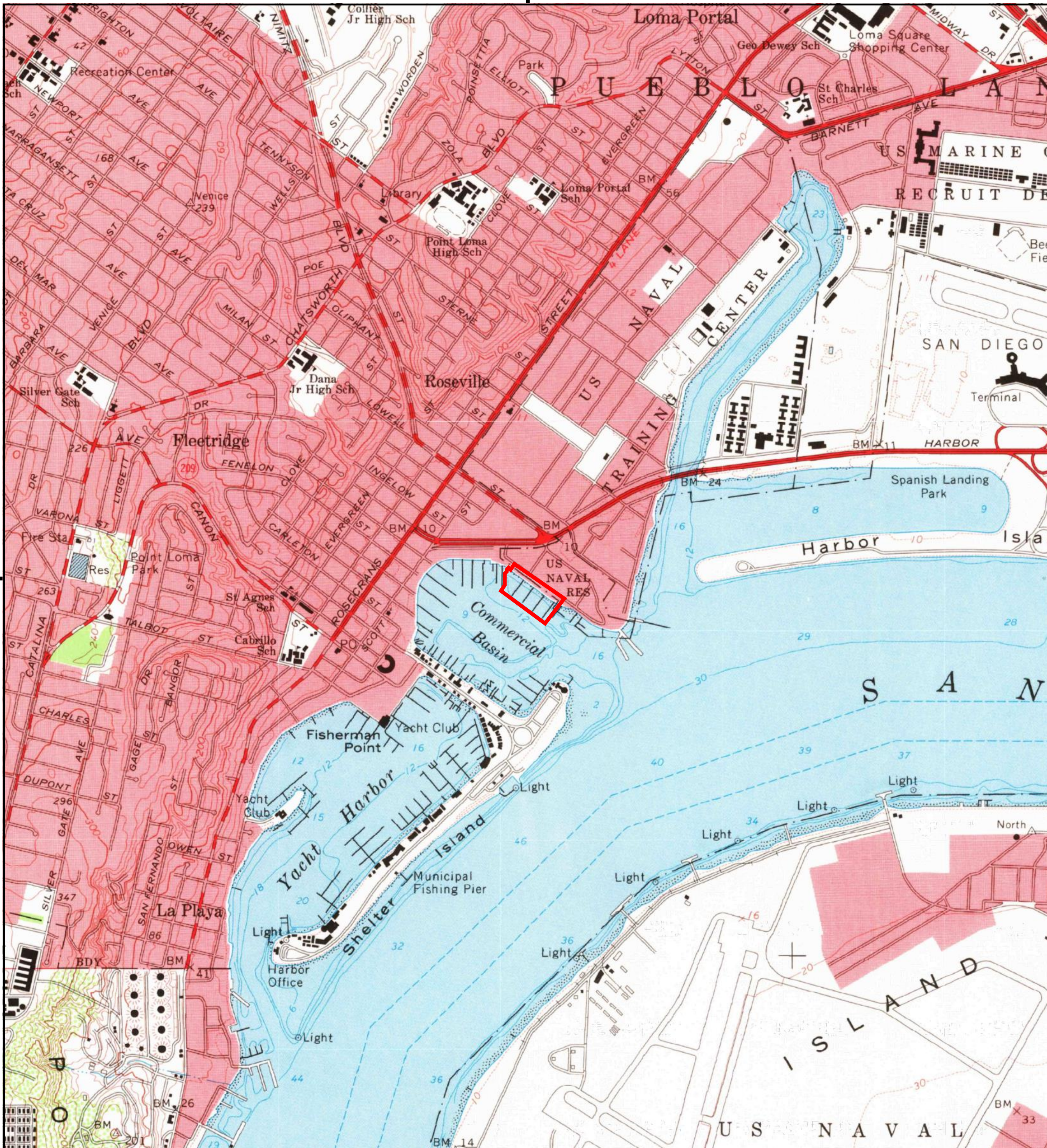
TP, Point Loma, 1975, 7.5-minute

SITE NAME: North Harbor Drive
ADDRESS: 4900 North Harbor Drive
San Diego, CA 92106
CLIENT: Kleinfelder, Inc.

N

Historical Topo Map

1967



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

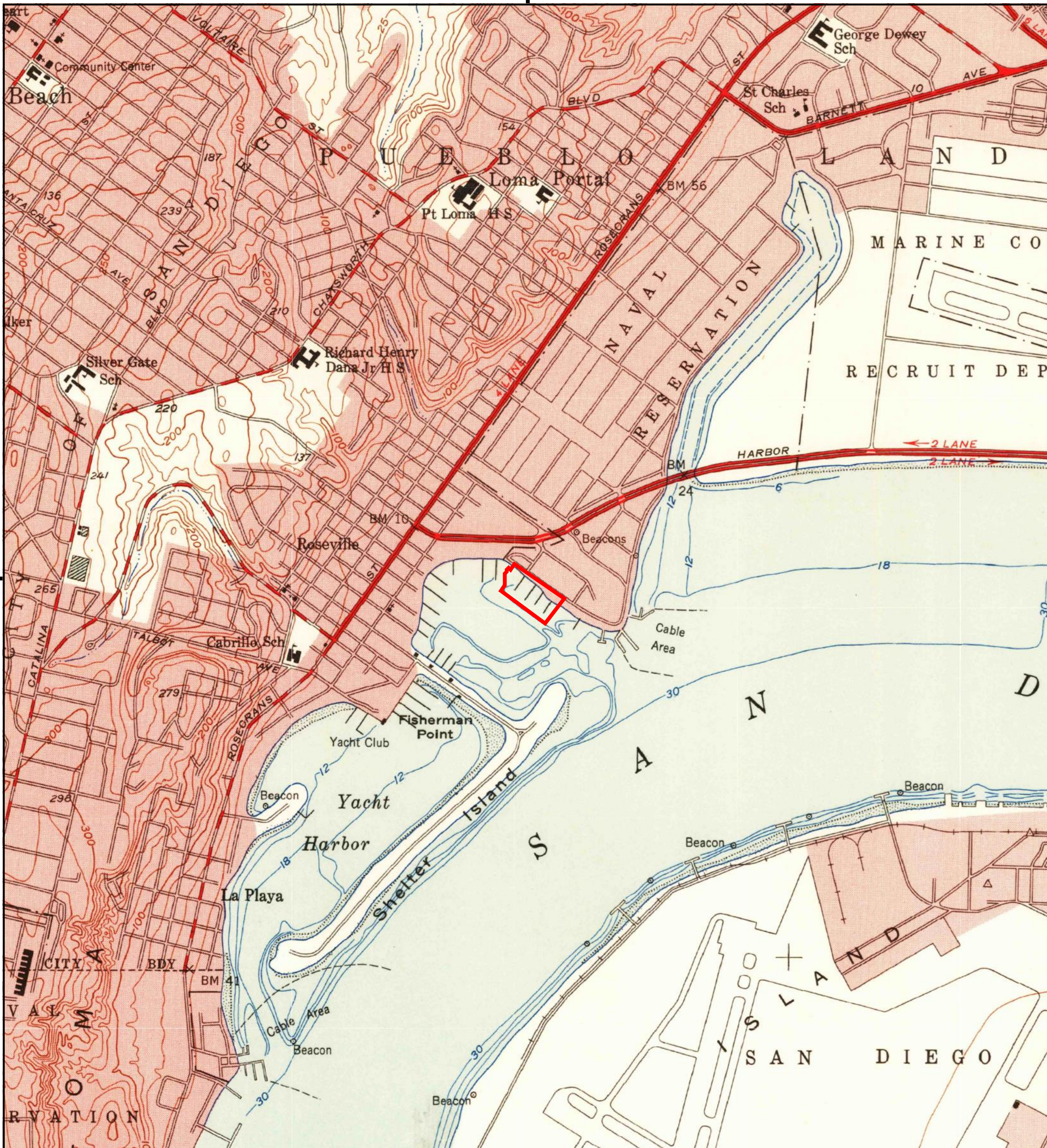
TP, Point Loma, 1967, 7.5-minute

SITE NAME: North Harbor Drive
ADDRESS: 4900 North Harbor Drive
San Diego, CA 92106
CLIENT: Kleinfelder, Inc.

N

Historical Topo Map

1953



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Point Loma, 1953, 7.5-minute

SITE NAME: North Harbor Drive
ADDRESS: 4900 North Harbor Drive
San Diego, CA 92106
CLIENT: Kleinfelder, Inc.

N

Historical Topo Map

1942

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

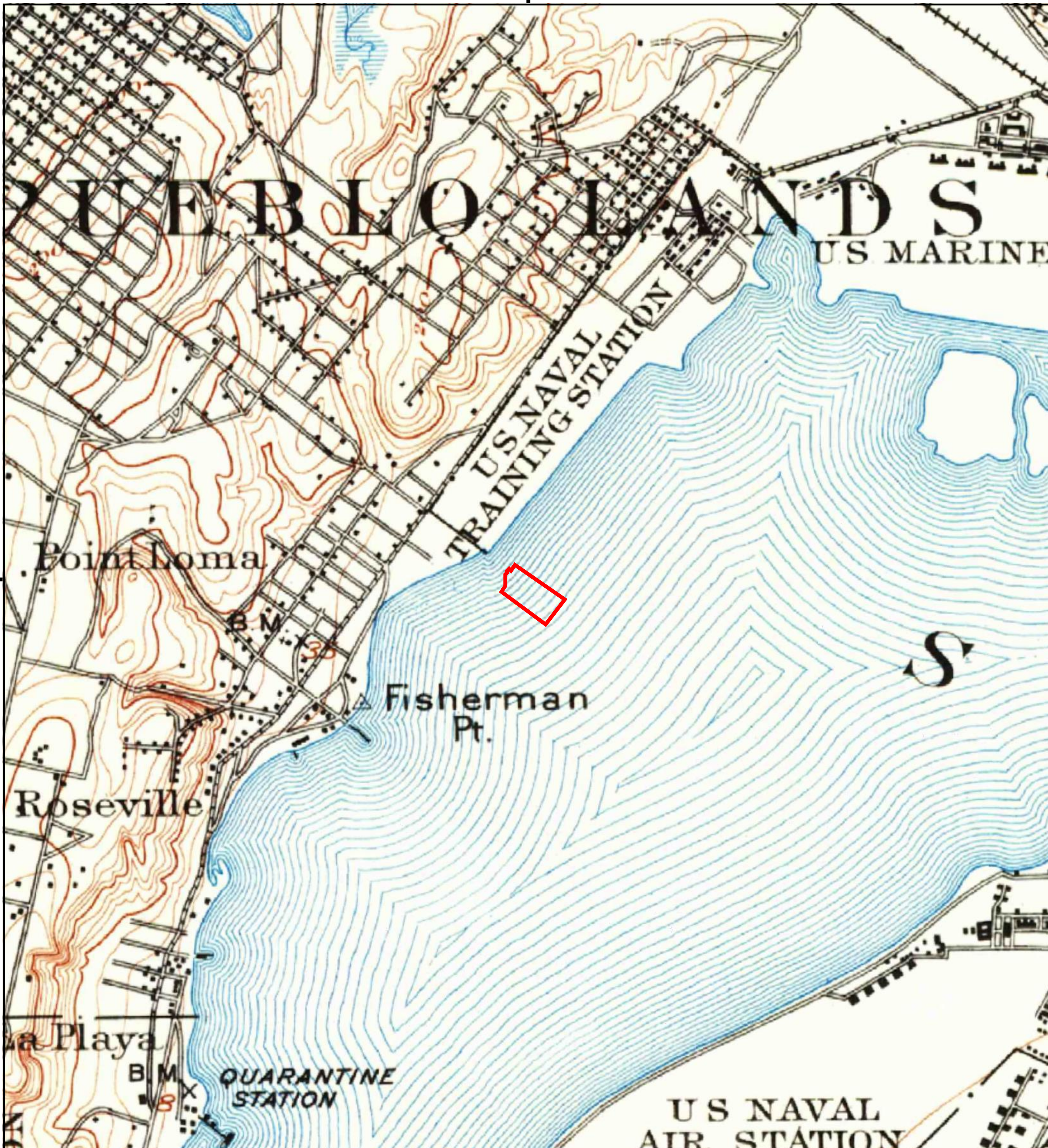
NW N NE W E SW S SE

TP, Point Loma, 1942, 7.5-minute

SITE NAME: North Harbor Drive
ADDRESS: 4900 North Harbor Drive
San Diego, CA 92106
CLIENT: Kleinfelder, Inc.

Historical Topo Map

1930



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

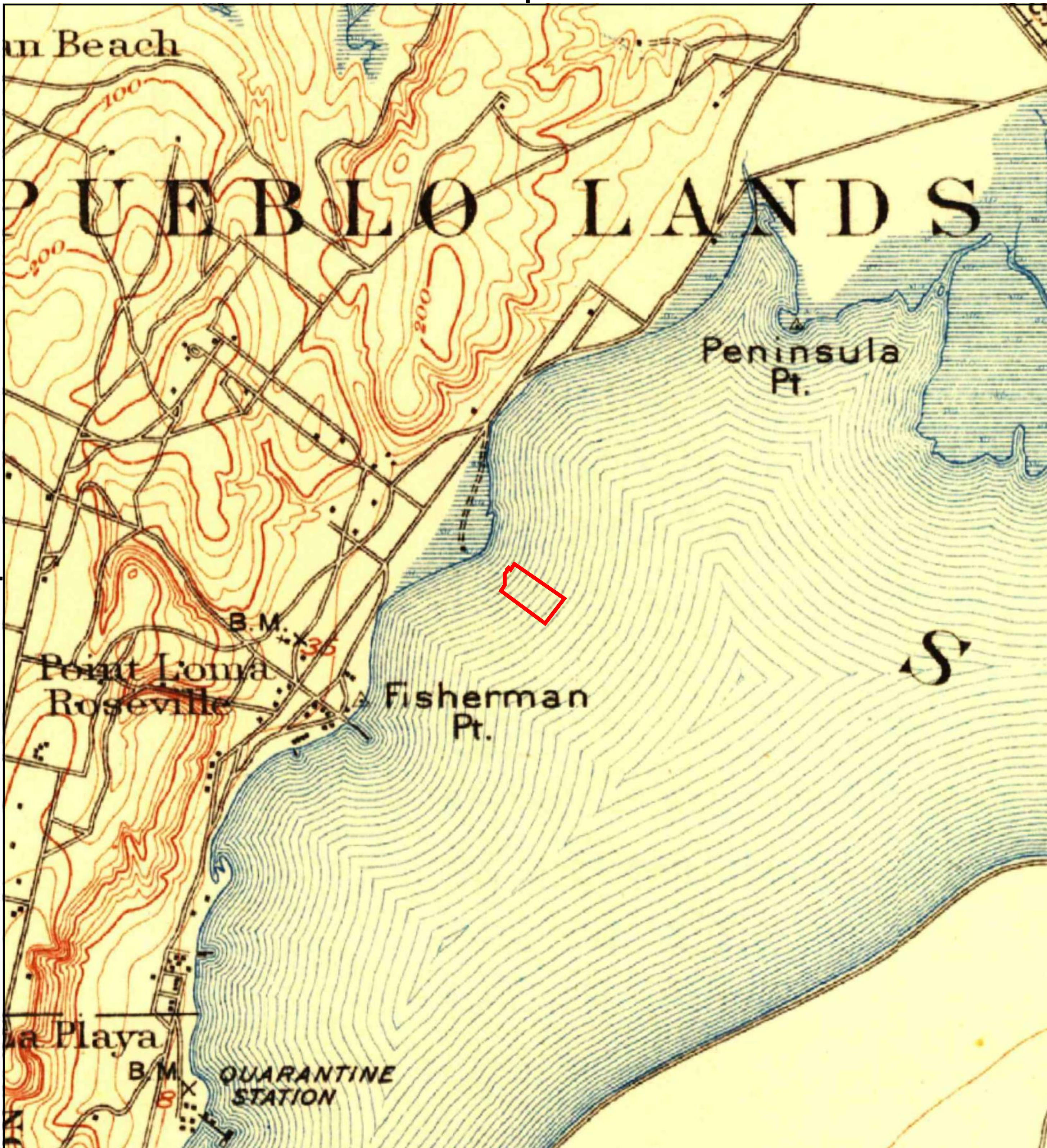
TP, San Diego, 1930, 15-minute

SITE NAME: North Harbor Drive
ADDRESS: 4900 North Harbor Drive
San Diego, CA 92106
CLIENT: Kleinfelder, Inc.

N

Historical Topo Map

1904



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE

W E

SW S SE

TP, San Diego, 1904, 15-minute

SITE NAME: North Harbor Drive
ADDRESS: 4900 North Harbor Drive
San Diego, CA 92106
CLIENT: Kleinfelder, Inc.

N

LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT
4900-4930 NORTH HARBOR DRIVE
SAN DIEGO, CALIFORNIA 92106
KLEINFELDER PROJECT NO. 20210261.011A

DECEMBER 28, 2023

A Report Prepared for:

Mr. George Liddle
Senior Environmental Specialist, Environmental Protection
San Diego Unified Port District
3165 Pacific Highway
San Diego, California 92101

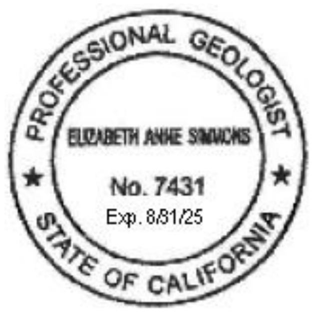
LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT
4900-4930 NORTH HARBOR DRIVE
SAN DIEGO, CALIFORNIA 92106

Prepared by:

Jake Lippman, PG 9127, CHg 1028
Project Manager

Reviewed by:

Lizanne Simmons, PG 7431
Senior Principal Geologist



William D. Golightly, PE 58959
Vice President, Project Management

KLEINFELDER
770 First Avenue, Suite 400
San Diego, California 92101
Phone: 619.831.4600

December 28, 2023
Kleinfelder Project No. 20210261.011A

TABLE OF CONTENTS

TABLES

FIGURES

APPENDICES

ABBREVIATIONS AND ACRONYMS

AST	aboveground storage tank
ATLAS	Atlas Consultants
bgs	below ground surface
COPCs	Chemicals of Potential Concern
CCTV	closed-circuit television
DBT	dibutyltin
DTSC	California Department of Toxic Substances Control
EC	Eurofins Calscience
EM	electromagnetic
ERL	effects range low
ERM	effects range medium
ESA	Environmental Site Assessment
ESL	Environmental Screening Level
GC/MS	gas chromatography/mass spectrometry
H&P	H&P Mobile Geochemistry, Inc.
J	estimated concentration
MBT	monobutyltin
NAPL	non-aqueous phase liquid
µg/kg	microgram per kilogram
mg/kg	milligram per kilogram
mg/L	milligram per liter
PAH	polycyclic aromatic hydrocarbon
PCB	polychlorinated biphenyl
PVC	polyvinyl chloride
QA	quality assurance
QC	quality control
REC	recognized environmental condition
Report	Limited Phase II Environmental Site Assessment Report
RSL	Regional Screening Level
SDRWQCB	San Diego Regional Water Quality Control Board
SDUPD	San Diego Unified Port District
SFBRWQCB	San Francisco Bay Regional Water Quality Control Board
SIM	selective-ion monitoring
SL	screening level
SOP	standard operating procedure
TBT	tributyltin
TPH	total petroleum hydrocarbons
UJ	not detected at an estimated concentration
USEPA	United States Environmental Protection Agency
VOC	volatile organic compound
Work Plan	Limited Phase II Environmental Site Assessment Work Plan

1 INTRODUCTION AND BACKGROUND

On behalf of the San Diego Unified Port District (SDUPD / Port District), Kleinfelder has prepared this *Limited Phase II Environmental Site Assessment Report* (Report) for 4900-4930 North Harbor Drive, San Diego, California (the Subject Property; Figures 1 and 2). This Report was prepared pursuant to Task Authorization No. 11, dated October 4, 2022, under the As-Needed Environmental Investigation Services Agreement No. 20-2020MA between Kleinfelder and the Port District.

The Port District requested a Limited Phase II Environmental Site Assessment (ESA) of the Subject Property to evaluate selected Recognized Environmental Conditions (RECs) identified in the *Phase I Environmental Site Assessment* (Kleinfelder, 2022). This report documents the field activities performed to complete the Limited Phase II ESA pursuant to the *Limited Phase II Environmental Site Assessment Work Plan (Work Plan)*, dated January 18, 2023 (Kleinfelder, 2023).

The Subject Property is assigned as San Diego County Assessor Parcel Number 760-004-42-00 and is located between 4900 and 4930 North Harbor Drive in San Diego, California (Figures 1 and 2). The northern corner of the Subject Property is located approximately 325 feet south of North Harbor Drive. The Subject Property consists of approximately 100,000-square feet of land area, 300,000-square feet of adjacent San Diego Bay (Bay), 35,000-square feet of commercial office space, five fixed-structure piers, a 750-foot-long concrete walkway, and a paved access road and parking lot. Three commercial buildings are located on the Subject Property and have addresses of 4904, 4918, and 4922 North Harbor Drive, from northwest to southeast, respectively. The Subject Property is bound by public restrooms and a sewer pump station to the north, multi-tenant commercial properties and boat docks further to the northwest, Naval Base Point Loma military facility generally to the east, and San Diego Bay (America's Cup Harbor) generally to the west.

1.1 PREVIOUS ENVIRONMENTAL ASSESSMENTS

Converse Environmental West, Report of Soil and Bay Sediment Characterization

An environmental investigation was performed on the Subject Property and adjacent property to the north in June 1992 on behalf of Driscoll Incorporated. The purpose of the investigation was to assess potential contamination on the Subject Property. Three Bay sediment samples were collected, and four soil borings were drilled on the Subject Property. Three additional soil borings were drilled to the north of the Subject Property. Soil samples were collected from 2.5 feet below ground surface (bgs) and from approximately 5 to 6 feet bgs from each soil boring. The soil samples collected on the Subject Property were only analyzed for total petroleum hydrocarbons (TPH) by USEPA Method 8015. The soil samples collected north of the Subject Property were analyzed for TPH as well as volatile organic compounds (VOCs). Based on the laboratory analytical results, TPH was not detected in the soil samples collected on the Subject Property. TPH, benzene, toluene, and xylenes were detected in soil samples collected approximately 150 to 300 feet north of the Subject property.

The Bay sediment samples were analyzed for metals, tributyltin (TBT), dibutyltin (DBT), and monobutyltin (MBT). Copper was detected up to 262 milligrams per kilogram (mg/kg), lead was detected up to 62.6 mg/kg, mercury was detected up to 2.9 mg/kg, and zinc was detected up to 253 mg/kg. Additionally, TBT was detected up to 17 micrograms per kilogram (µg/kg), DBT was detected up to 50 µg/kg, and MBT was detected up to 3 µg/kg. The copper, lead, and zinc concentrations detected in sediment on the Subject Property exceeded their respective Effects Range-Low (ERL) value and mercury exceeded the ERL and Effects Range-Medium (ERM) value (Long et al, 1995).

Engineering Science Applications, Boring Logs and Laboratory Data

On October 6, 1992, Engineering Science Applications submitted a *Boring Logs and Laboratory Data* report to the San Diego County Department of Environmental Health, in association with a soil and groundwater investigation at the Subject Property. The Subject Property address was listed as 4904–4922 North Harbor Drive and the name of the Subject Property at the time of the investigation was "Fisherman's Village." The purpose of the investigation was to assess petroleum hydrocarbon contamination; however, the source of contamination was not identified. The investigation included drilling six soil borings, throughout the Subject Property, to depths ranging from 6 to 8 feet bgs. A slight diesel odor was reported between approximately 0 and 3 feet bgs at the boring located southeast of 4904 North Harbor Drive. The laboratory analytical results indicate that total recoverable petroleum hydrocarbons (TRPH) were detected at 24 and 51 mg/kg in soil samples composited from multiple locations and depths. Additionally, in the boring located southeast of 4904 North Harbor Drive, TRPH was detected at 90 mg/kg at 2 feet bgs and at 1.7 milligrams per liter in groundwater.

Kleinfelder, Phase I Environmental Site Assessment

A *Phase I Environmental Site Assessment* (ESA) for the Subject Property was performed by Kleinfelder to identify historic use and environmental concerns (Kleinfelder, 2022). Among the RECs identified in the Phase I ESA, the following RECs were evaluated as part of this Limited Phase II ESA:

REC A, Lead Battery Reclamation – The Port District indicated that lead battery reclamation has occurred on the Subject Property. This activity may have impacted the subsurface on the Subject Property. The location(s) where lead battery reclamation occurred on the Subject Property is (are) unknown.

REC B, Lobster Cage Tar – The Port District and the San Diego County Department of Environmental Health indicated that lobster cages were dipped into tar on the Subject Property. This activity may have impacted the subsurface on the Subject Property. The location(s) where lobster cages were dipped into tar on the Subject Property is (are) unknown.

REC C, Concrete Staining in Hazardous Materials Storage Shed – Kleinfelder identified staining on the concrete floor of the hazardous materials storage shed during the Phase I ESA site reconnaissance. The hazardous material storage shed is used to store petroleum waste, therefore, the subsurface may be impacted in this area.

REC D, Oil-soaked carpet around former waste oil aboveground storage tank (AST) – The County of San Diego Department of Environmental Health reported the oil-soaked carpet in 2005 in the former hazardous waste storage area. The evidence of leakage near the former waste oil AST could indicate impacts to the subsurface in this area.

REC E, Oily debris below former waste oil AST – The County of San Diego Department of Environmental Health reported the oily debris in 2008 in the former hazardous waste storage area. The evidence of leakage near the former waste oil AST could indicate impacts to the subsurface in this area.

REC F, Contaminated Bay Sediment - Copper, lead, zinc, mercury, TBT, DBT, and MBT have been detected in Bay sediment within the Subject Property. The copper, lead, and zinc concentrations exceeded their respective ERL value and mercury exceeded the ERL and ERM value (Long et al, 1995). Leaching of metals from hull paints, overwater hull maintenance and other overwater boat maintenance activities within the wharf may have contributed to these sediment impacts.

REC G, Trench drain and storm drain outfall – Kleinfelder observed a trench drain at the entrance to the Chula Seafood restaurant on the Subject Property. The discharge location of this trench drain is unknown. Additionally, the storm drain catch basins on the Subject Property are connected to an outfall that discharges directly to the Bay (America's Cup Harbor). There is a potential that contaminants, originating near the trench drain and/or storm drain catch basins, could have been discharged to the Bay through the storm drain system and could have impacted Bay sediments within the waterside portion of the Subject Property.

REC H, Waste oil underground storage tank (UST) – Kleinfelder identified a waste oil UST on a 1984 site plan of the Subject Property. To assist with future site demolition or rehabilitation, the Port District has requested Kleinfelder to evaluate if the waste oil UST is still present on the Subject Property.

2 PURPOSE AND SCOPE

This report summarizes the findings of a limited soil, sediment, and groundwater assessment performed at the Subject Property for the purposes of evaluating impacts from past uses.

The Port District requested a Limited Phase II ESA of the Subject Property be performed to evaluate selected RECs identified in the *Phase I Environmental Site Assessment* (Kleinfelder, 2022). The Work Plan (Kleinfelder, 2023) was prepared to describe the planned soil, groundwater and sediment sampling activities to address the selected RECs. The purpose of this report is to summarize the Limited Phase II field activities and laboratory results, evaluate the selected RECs from the Phase I ESA based on the field observations and laboratory results, and provide conclusions and recommendations.

The scope of the Limited Phase II ESA activities included the following (a complete sampling methodology is detailed in Section 6):

- Pre-field activities including obtaining a County of San Diego Department of Environmental Health and Quality boring permit and underground service alert notification;
- Collection of soil and groundwater samples from four direct-push borings (B-1 through B-4) to evaluate RECs A through E, as identified previously in Section 1.1;
- Collection of one surficial sediment grab sample next to each of the five piers (Pier 4 through Pier 8) to evaluate REC F;
- Collection of one surficial sediment grab sample on the shoreline (OF-1), below the storm drain outfall, and performance of a storm drain pipeline survey to evaluate REC G;
- Analysis of soil, groundwater, and sediment samples for one or more of the following constituents of potential concern (COPCs) including total metals; polycyclic aromatic hydrocarbons (PAHs); polychlorinated biphenyls (PCBs); TPH as gasoline, diesel, and oil; organotins; and volatile organic compounds (VOCs); and
- Performance of a geophysical survey to evaluate REC H for the presence of an underground storage tank.

The approximate sampling locations are provided in Figure 2. Figure 2 also identifies which RECs were addressed by each sampling location.

3 PHYSICAL SETTING

The following sections summarize available information regarding geographic, geologic, and hydrogeologic conditions of the Subject Property.

3.1 SITE GEOGRAPHY

In general, the Subject Property is fairly level at an elevation of approximately 10 to 11 feet mean lower low water. The Subject Property includes an asphalt parking area, buildings, storage areas, five piers, and rip rap filled shoreline.

3.2 REGIONAL GEOLOGIC SETTING

San Diego County resides within the southern portion of California's Peninsular Ranges Geomorphic Province (California Geologic Survey, 2002; Norris and Webb, 1990). This province is characterized by an assemblage of north- to northwest-trending, high-relief mountain ranges stretching south from the Santa Monica Mountains in Los Angeles, through San Diego County, and into Baja California.

San Diego County encompasses 3 geomorphic sub-zones of the Peninsular Ranges Geomorphic Province set in a series of north to northwest trending belts, roughly parallel to the coastline. From west to east, these zones are comprised of a relatively narrow, low-relief coastal plain, a central, high-relief mountainous zone, and a low-lying desert zone.

The Subject Property is located within the coastal plain sub-zone which is dominated by a westward-thickening wedge of sedimentary units that were deposited on the Cretaceous- to Jurassic-age igneous and metamorphic bedrock material that outcrop in the central portion of San Diego County. These sedimentary units consist of a variety of claystone, siltstone, sandstone, and conglomerate deposited between the late Cretaceous-time and discontinuously through the Quaternary, the most recent geologic period.

3.3 SITE GEOLOGY

Lithology encountered during this investigation primarily consisted of a silty sand and gravel fill material and fine to coarse sands (Appendix A). The asphalt at the surface was approximately 3 inches thick.

3.4 REGIONAL HYDROGEOLOGIC SETTING

The Subject Property is not located within a named groundwater basin. Areas to the west of Interstate 5 do not have designated beneficial uses for groundwater and are excepted from the sources of drinking water policy (San Diego Regional Water Quality Control Board [SDRWQCB], 1994).

3.5 SITE HYDROGEOLOGY

Groundwater was encountered during this investigation at depths between approximately 7 feet and 8 feet bgs. The anticipated direction of groundwater flow in the vicinity of the Subject Property is to the southwest and southeast, toward America's Cup Harbor and San Diego Bay.

4 STORM DRAIN PIPELINE SURVEY

Atlas Technical Consultants (Atlas) performed a storm drain pipeline survey on the Subject Property on May 3 and May 4, 2023. The survey was conducted to identify and map storm drain inlet, outfall, and conveyance pipeline locations at the Subject Property. Atlas recorded a closed-circuit television video (CCTV) of the existing storm drain conveyance pipeline of the Subject Property. The CCTV video file of the storm drain line was submitted to the Port District separately.

The storm drain survey was conducted by initially walking the entire Site to identify potential storm drain inlets. If a suspected inlet was identified (e.g. surface grate, vault, catch basin), then Atlas visually inspected the feature to evaluate whether it could be a potential storm drain. Atlas identified three storm drain inlets (Inlets #1-3) and one outfall at the Subject Property (Figure 3). Atlas then performed a geophysical survey to map the subsurface locations of the storm drain conveyance pipeline between the inlets and outfall. Based on the survey, the three storm drain inlets were connected to the same storm drain conveyance pipeline and drained to the outfall located on the shoreline (Figure 3). In addition, Inlet #2 was connected to a pipeline leading from the adjacent Naval Base Point Loma military facility (Figure 3). No storm drain Best Management Practices (i.e. fiber rolls, filter fabric, etc.) were observed in or around the storm drain inlets.

Atlas attempted to record CCTV video of the storm drain conveyance pipelines between the inlets and the outfall. The full length of the conveyance pipeline between Inlet #2 and Inlet #3 was recorded. Only approximately 18 feet of pipeline was recorded from Inlet #2 towards Inlet #1 due to sediment and debris blockage within the pipeline (Figure 3). Additionally, during visual inspection above the inlet, Inlet #1 appeared to be clogged with sediment and debris (Figure 3), therefore the CCTV equipment was unable to be deployed below this inlet. Approximately 40 feet of pipeline was recorded from Inlet #2 toward the outfall and approximately 22 feet of pipeline was recorded from the outfall towards Inlet #2 (Figure 3). Atlas was unable to push the CCTV equipment past these distances due to obstructions (i.e. grout or lips in the concrete) on the bottom of the pipeline.

Kleinfelder's Phase I ESA identified a trench drain located at Chula Seafood (Figure 3), which had the potential to drain to the Bay. However, upon visual inspection, it did not appear that the trench drain was connected to a storm drain conveyance pipeline or the Bay outfall on the Subject Property. Although runoff was not observed by Kleinfelder, it is likely that this drain is used to collect runoff from inside the Chula Seafood loading area and has (or had) a sanitary sewer connection not identified during the visual inspection.

5 WASTE OIL UNDERGROUND STORAGE TANK GEOPHYSICAL SURVEY

Atlas performed a geophysical survey of the suspected waste oil UST area on the Subject Property on May 3 and May 4, 2023. Atlas conducted the geophysical survey using various geophysical instruments including ground penetrating radar, magnetic gradiometer, and electromagnetic devices to identify subsurface features that may indicate the presence of a UST or of a backfilled excavation that may indicate the historical presence of a UST. The results of the geophysical survey performed by Atlas is included in Appendix C.

The results of the geophysical survey conducted across the survey area (Figure 3) did not indicate the presence of a UST or of a backfilled excavation. Atlas identified various electromagnetic responses within the survey area, however they appear to be associated with building elements such as metal fencing, the metallic canopy/boat repair rack, and miscellaneous metal structures or equipment stored at the Subject Property.

6 SOIL, GROUNDWATER, AND SEDIMENT SAMPLING

Direct-push drilling and sampling was performed by H&P Mobile Geochemistry, Inc. (H&P) with oversight from Kleinfelder on May 4, 2023. Sample locations were selected to address RECs presented in Section 1.1 (Figure 2).

6.1 PRE-FIELD ACTIVITIES

The boring locations were marked out and Underground Service Alert of Southern California was notified at least 48 hours in advance of field work to mark out underground public utilities. Each sampling location was recorded using a hand-held Trimble Global Positioning System unit (Table 6-1). Kleinfelder also received boring construction permit LMWP-005880 from the San Diego County Department of Environmental Health and Quality prior to work being performed. A copy of the permit is included in Appendix A.

6.2 DIRECT PUSH SOIL AND GROUNDWATER SAMPLING AND ANALYSIS

Under Kleinfelder's supervision, H&P advanced four (4) borings (B-1 through B-4, Figure 2) using a direct-push drill rig. Soil samples were collected directly from the acetate sleeve provided by H&P and placed into laboratory-supplied glass jars. The acetate sleeves were advanced using a MacroCore™ sampler. Soil samples were collected at depths of approximately 0.5 foot, 3 feet, and 7 or 8 feet bgs.

Groundwater samples were collected from each boring through a 1-inch diameter slotted polyvinyl chloride (PVC) casing that was placed into the open boring. A new PVC casing was used for each boring. A disposable bailer was used to collect groundwater and decant into laboratory-supplied sample containers.

Soil and groundwater samples collected for environmental analysis were placed in appropriate laboratory-provided containers and stored in coolers with ice. The samples were transported by courier to Enthalpy Analytical in Orange, California under chain-of-custody documentation. Soil and groundwater samples were analyzed for California Code of Regulations (CCR) Title 22 metals by United States Environmental Protection Agency (USEPA) Methods 6010B/7471A/7470A, PAHs by USEPA Method 8270C-Selective Ion Monitoring (SIM), TPH as gasoline, oil, and diesel by USEPA Method 8015B and 8015M, and VOCs by USEPA Method 8260B.

The borings were also logged according to the Unified Soil Classification System and those logs are included as Appendix A. A photo-ionization detector was also used to screen the soil for potential volatile organic compounds.

6.3 SEDIMENT SAMPLING AND ANALYSIS

Bay sediment samples were collected at each of the five (5) pier locations (Figure 2) (Pier 4 through Pier 8). These samples were collected from the bottom of the Bay using a spring-loaded dredge sampler attached to a rope. The sampler was brought to the surface and the sample was placed into a stainless-steel bowl for processing. Sediment from the bowl was placed into glass jars with care taken not to include shell fragments, debris, sea grass, or kelp.

The Work Plan for this Limited Phase II ESA included collecting a sediment sample from within the storm drain pipe at the outfall on the shoreline of the Subject Property. However, no sediment was observed within the storm drain pipe at the outfall. Therefore, a sediment sample (OF-1) was collected from the shoreline, immediately below the outfall. The sediment sample was collected between the rip-rap boulders along the shoreline, approximately 12 inches directly below the opening of the outfall. OF-1 was collected using a disposable plastic trowel.

All sediment samples were placed in glass jars, labeled, and stored in coolers with ice. The sediment samples were transported by courier to Enthalpy Analytical in Orange, California under chain-of-custody documentation. Sediment samples were analyzed for CCR Title 22 metals by USEPA methods 6010B/7471A, PAHs by USEPA Method 8270C-SIM, PCBs by USEPA Method 8082, and organotins by Eurofins Calscience SOP-M422 (GC/MS-SIM). Organotin analysis was subcontracted by Enthalpy Analytical to Eurofins Calscience in Orange, California.

6.4 INVESTIGATIVE-DERIVED WASTE

Investigative-derived waste was not produced during the field activities performed.

6.5 60-DAY BORING COMPLETION REPORT

The 60-day boring completion report is included in Appendix A.

7 DATA MANAGEMENT AND QUALITY CONTROL

The following section summarizes the quality assurance (QA) and quality control (QC) program and data quality assessment. The data assessment follows the data quality objectives and the precision, accuracy, representativeness, comparability, and completeness criteria as presented in the Work Plan (Kleinfelder, 2023). The data quality assessment process consisted of a review, verification, validation, and evaluation of the analytical data generated during the project. The limited data quality assessment was performed using the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review (USEPA, 2010) as a reference.

A total of 12 soil samples, four (4) groundwater samples, and six (6) sediment samples were collected and submitted to Enthalpy Analytical and Eurofins Calscience for one or more of the following analyses:

- CCR Title 22 metals USEPA Method 6010B/7471A/7470A;
- TPH gasoline, diesel, and oil range organics by USEPA Method 8015B and 8015M;
- PAHs by USEPA Method 8270C-SIM;
- VOCs by USEPA Method 8260B;
- Organotins by Eurofins Calscience SOP-M422 (GC/MC-SIM).

One hundred percent of the data generated for this project underwent a limited data quality review by Kleinfelder. Two Level II data deliverable reports were evaluated during the data quality assessment, which consisted of evaluating the following parameters:

- Technical holding times and temperature;
- Chain-of-Custody forms;
- Sample results and analytical methods selected;
- Laboratory blanks;
- Laboratory control sample spike results; and,
- Matrix spike and matrix spike duplicate results.

Field and laboratory personnel implemented QA/QC procedures consistent with the QA criteria specified in the Work Plan. Laboratory QC samples were also analyzed consistent with the analytical method requirements.

During the data quality assessment, no quality discrepancies were observed. Based on the data quality assessment, data that have been qualified as estimated ("J" or "UJ" qualified) were retained. Based on the results of the data quality assessment, the project achieved a sample and analytical completeness goal of 100%. The data are acceptable for the intended use of the Project.

The outfall sediment sample (OF-1) did not meet the sample objective outlined in the Work Plan. The objective of sample OF-1 was to sample and analyze sediment from within the outfall to assess potential sediment contamination in the outfall from upland sources. However, since there was no sediment in the outfall at the time of sampling, a sediment sample was collected from the shoreline, immediately below the outfall. Therefore, the results may not be representative of contamination originating from upland sources via the storm drain conveyance system. Instead, the results of OF-1 may be representative of both upland and Bay sources (see further discussion in Sections 9.2.3 and 9.2.4).

8 LABORATORY ANALYTICAL RESULTS

Select analytical results for the soil, sediment, and groundwater samples are presented in Tables 8-1 through 8-5, Figures 4 through 6, and the laboratory analytical reports are included in Appendix B. A summary of the soil, sediment, and groundwater sample results is presented below.

8.1 SOIL SAMPLE RESULTS

Soil samples were collected from four (4) soil borings at the Subject Property (B-1 through B-4). The results of the soil sample analyses for metals are presented in Table 8-1 and for TPH are presented in Table 8-2 and are summarized below.

8.1.1 Metals

The results of the soil sample analyses for metals are presented in Table 8-1. The concentration ranges for metals are summarized below. The location and sample depth with the maximum concentration are included in parentheses:

- Antimony – Not detected
- Arsenic – 1.9 to 6.4 mg/kg (B-3 at 0.5 feet bgs)
- Barium – 27 to 150 mg/kg (B-4 at 8 feet bgs)
- Beryllium – Not detected to 0.51 mg/kg (B-1 at 0.5 feet bgs)
- Cadmium – Not detected
- Chromium – 11 to 24 mg/kg (B-1 at 0.5 feet bgs)
- Cobalt – 2.7 to 10 mg/kg (B-1 at 0.5 feet bgs)
- Copper - 8 to 48 mg/kg (B-1 at 3 feet bgs)
- Lead – 3.5 to 30 mg/kg (B-4 at 0.5 feet bgs)
- Mercury – Not detected to 0.26 mg/kg (B-4 at 8 feet bgs)
- Molybdenum – Not detected to 1.6 mg/kg (B-4 at 8 feet bgs)
- Nickel – 4 to 18 mg/kg (B-4 at 8 feet bgs)
- Selenium – Not detected

- Silver – Not detected
- Thallium – Not detected
- Vanadium – 25 to 53 mg/kg (B-1 at 0.5 feet bgs)
- Zinc – 38 to 58 mg/kg (B-3 at 7 feet bgs)

8.1.2 Total Petroleum Hydrocarbons

The results of the soil sample analyses for TPH are presented in Table 8-2 and on Figure 4. The concentration ranges for TPH are summarized below. The location and sample depth with the maximum concentration are included in parentheses:

- TPH as gasoline – Not detected
- TPH as diesel – Not detected to 260 mg/kg (B-4 at 8 feet bgs)
- TPH as oil – Not detected to 600 mg/kg (B-4 at 8 feet bgs)

8.1.3 Volatile Organic Compounds

Soil results for VOCs are included in the laboratory reports in Appendix B. One VOC analyte was detected in the soil samples analyzed: xylene at 0.5-foot bgs from B-3, at a concentration of 1.5 µg/kg.

8.1.4 Polycyclic Aromatic Hydrocarbons

Soil results for PAHs are included in the laboratory reports in Appendix B. PAHs were not detected above the laboratory reporting limits in the soil samples analyzed.

8.2 SEDIMENT SAMPLE RESULTS

Six (6) surficial sediment grab samples were collected from Bay sediment off of Piers 4 through 8 and at the shoreline outfall location (OF-1). The results of the sediment sample analyses for metals are presented in Table 8-3 and for organotins are presented in Table 8-4 and are summarized below.

8.2.1 Metals

The results of the sediment sample analyses for metals are presented in Table 8-3. The metals results that exceed ERLs are shown on Figure 5. The concentration ranges for metals are summarized below. The location with the maximum concentration is included in parentheses:

- Antimony – Not detected
- Arsenic – 2.6 to 4.8 mg/kg (Pier 6)
- Barium – 22 to 160 mg/kg (OF-1)
- Beryllium – Not detected
- Cadmium – Not detected
- Chromium – 11 to 57 mg/kg (Pier 4)
- Cobalt – 1.7 to 3.9 mg/kg (Pier 6)
- Copper - 59 to 170 mg/kg (Pier 4)
- Lead – 15 to 49 mg/kg (OF-1)
- Mercury – Not detected to 0.7 mg/kg (Pier 5)
- Molybdenum – Not detected to 3.9 mg/kg (Pier 4)
- Nickel – 3.1 to 25 mg/kg (Pier 4)
- Selenium – Not detected
- Silver – Not detected
- Thallium – Not detected
- Vanadium – 16 to 37 mg/kg (Pier 6)
- Zinc – 67 to 170 mg/kg (Pier 4)

8.2.2 Organotins

The results of the sediment sample analyses for organotins are presented in Table 8-4. The concentration ranges for organotins are summarized below. The location with the maximum concentration is included in parentheses:

- Tributyltin – Not detected to 4.4 ug/kg (Pier 8)
- Dibutyltin – Not detected to 7.4 ug/kg (OF-1)
- Monobutyltin – Not detected

8.2.3 Polycyclic Aromatic Hydrocarbons

Sediment results for PAHs are included with laboratory results in Appendix B. One PAH analyte was detected in the sediment samples analyzed: benzo(b)fluoranthene at Pier 5, at a concentration of 11 µg/kg.

8.2.4 Polychlorinated Biphenyls

Sediment results for PCBs are included with laboratory results in Appendix B. PCBs were not detected above laboratory reporting limits in the sediment samples analyzed.

8.3 GROUNDWATER SAMPLE RESULTS

One grab groundwater sample was collected from each of the four soil borings (B-1 through B-4). The results of the groundwater sample analyses for metals are summarized below and the results for TPH are presented in Table 8-5 and are summarized below.

8.3.1 Metals

The concentration ranges for metals are summarized below. The location with the maximum concentration is included in parentheses:

- Antimony – Not detected to 0.048 milligrams per liter (mg/L) (B-3)
- Arsenic – 0.17 to 1.1 mg/L (B-4)
- Barium – 1.8 to 4.8 mg/L (B-3)
- Beryllium – 0.0063 to 0.025 mg/L (B-4)
- Cadmium – 0.012 to 0.027 mg/L (B-4)
- Chromium – 0.6 to 1.6 mg/L (B-3)
- Cobalt – 0.16 to 0.57 mg/L (B-4)

- Copper – 2.3 to 9 mg/L (B-4)
- Lead – 1 to 6.8 mg/L (B-3)
- Mercury – Not detected to 1.5 ug/L (B-2)
- Molybdenum – 0.045 to 0.37 mg/L (B-4)
- Nickel – 0.26 to 1.3 mg/L (B-3 and B-4)
- Selenium – Not detected to 0.057 mg/L (B-3)
- Silver – Not detected to 0.02 mg/L (B-3)
- Thallium – Not detected
- Vanadium – 1.1 to 3.4 mg/L (B-3)
- Zinc – 3.4 to 13 mg/L (B-4)

8.3.2 Total Petroleum Hydrocarbons

The results of the groundwater sample analyses for TPH are presented in Table 8-5 and shown on Figure 6. The concentration ranges for TPH are summarized below. The location with the maximum concentration is included in parentheses:

- TPH as gasoline – Not detected
- TPH as diesel – Not detected to 4.6 J mg/L (B-4)
- TPH as oil – Not detected to 11 J mg/L (B-3 and B-4)

The "J" qualifier, as denoted above, designates an estimated concentration below the laboratory reporting limit. The laboratory noted possible matrix interference with all four groundwater samples because of the dark color of the sample extracts. The laboratory had to dilute the groundwater samples to test for TPH as diesel and oil because of the matrix interference (matrix interference can be caused by elevated concentrations of contamination within the sample). The laboratory reported the following dilution factors for each groundwater sample: 9.4 for B-1, 1.9 for B-2, 94 for B-3, and 94 for B-4. The higher dilution factors for samples B-3 and B-4 indicate higher levels of matrix interference (i.e. contamination) compared to samples B-1 and B-2.

8.3.3 Polycyclic Aromatic Hydrocarbons

Groundwater results for PAHs are included with laboratory results in Appendix B. PAHs were not detected above laboratory reporting limits in the groundwater samples analyzed.

8.3.4 Volatile Organic Compounds

Groundwater results for VOCs are included with laboratory results in Appendix B. VOCs were not detected above laboratory reporting limits in the groundwater samples analyzed.

9 DISCUSSION OF SAMPLING RESULTS

This section includes a discussion of the sampling results which consists of comparing the results to regulatory screening levels and evaluating the Phase I ESA RECs in light of the results of this Limited Phase II ESA.

9.1 COMPARISON TO REGULATORY SCREENING LEVELS

The sampling results from this Limited Phase II ESA were evaluated by comparing the sample concentrations to applicable regulatory screening levels as described below.

9.1.1 Soil

The soil concentrations were compared to California Department of Toxic Substances Control (DTSC)-modified Screening Levels (DTSC-SLs) for commercial/industrial soil (DTSC, 2022) and USEPA Regional Screening Levels (RSLs) for industrial soil (USEPA, 2023). TPH in soil was also compared to San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) Environmental Screening Levels (ESLs) for commercial/industrial soil (SFBRWQCB, 2019) as described below.

9.1.1.1 Metals

No metals, except arsenic, exceeded the DTSC-SLs or USEPA RSLs. Arsenic in soil exceeded the DTSC-SL for commercial/industrial soil of 0.36 mg/kg in all 12 soil samples analyzed from B-1 through B-4. Arsenic in soil also exceeded the USEPA RSL for industrial soil of 3 mg/kg in 8 of 12 soil samples analyzed. Although the concentrations of arsenic exceed the DTSC-SL and USEPA RSL, the concentrations were below the generally accepted California upper-bound background arsenic concentration of 12 mg/kg (DTSC, 2020). There are no suspected historical sources of arsenic at the Subject Property and the concentrations of arsenic detected at the Subject Property are generally uniform and likely representative of background conditions.

9.1.1.2 Total Petroleum Hydrocarbons

The TPH results in soil are depicted on Figure 4. TPH as gasoline was not detected above the laboratory reporting limits in any of the soil samples. TPH as diesel did not exceed the USEPA RSL or SFBRWQCB ESL.

TPH as oil did not exceed the USEPA RSL for high aliphatic TPH of 3,500,000 mg/kg in any of the soil samples. TPH as oil did exceed the USEPA RSL for high aromatic TPH of 220 mg/kg in B-3 at 7 feet bgs and in B-4 at 8 feet bgs (Figure 4). However, USEPA RSLs for TPH are established for aliphatic and aromatic fractions, which cannot be differentiated based on the laboratory testing that was completed. The actual screening level is considered between the aliphatic and aromatic screening levels (DTSC, 2021). Therefore, TPH concentrations have been compared to SFBRWQCB ESLs for commercial/industrial soil. Neither TPH as diesel nor TPH as oil exceeded the commercial/industrial SFBRWQCB ESLs of 1,200 mg/kg and 180,000 mg/kg, respectively.

9.1.1.3 VOCs

Only one VOC was detected: xylene at 0.5-foot bgs from B-3, at a concentration of 1.5 µg/kg. This concentration is below the USEPA RSL of 2,500,000 µg/kg.

9.1.1.4 PAHs

PAHs were not detected above the laboratory reporting limits in the soil samples analyzed.

9.1.2 Sediment

The sediment concentrations (in-Bay and on shoreline) were compared to ERL and ERM thresholds for adverse biological effects in a marine environment (Long et al., 1995) as described below.

9.1.2.1 Metals

Sediment results for metals that exceed ERLs are presented on Figure 5. Copper exceeded the ERL of 34 mg/kg and mercury exceeded the ERL of 0.15 mg/kg in all samples collected at the piers (Pier 4 through Pier 8), nickel exceeded the ERL of 20.9 mg/kg at Pier 4 and zinc exceeded the ERL of 150 mg/kg at Pier 4, Pier 5, and Pier 6. Copper exceeded the ERL of 34 mg/kg and lead exceeded the ERL of 46.7 mg/kg in the shoreline sediment sample (OF-1). None of the metals in any sediment sample exceeded the ERMs.

9.1.2.2 Organotins

No ERLs or ERMs have been established for organotins. Although no ERLs or ERMs have been established for organotins, TBT has been identified by the SDRWQCB as a contaminant that requires cleanup in sediment within San Diego Bay. According to SDRWQCB Cleanup and Abatement Order No. R9-2012-0024 for the Shipyard Sediment Site in San Diego Bay (SDRWQCB, 2012), a cleanup goal of 22 ug/kg was established for TBT for that site (22 ug/kg was also considered the background sediment chemistry level for that site). TBT was detected at 3.9 ug/kg at OF-1 and at 4.4 ug/kg at Pier 8. These concentrations are below the cleanup goal level of 22 ug/kg established at the Shipyard Sediment Site.

9.1.2.3 PAHs

One PAH, benzo(b)fluoranthene, was detected at Pier 5 at a concentration of 11 µg/kg. This concentration is below the DTSC-SL for commercial/industrial soil of 13,000 µg/kg.

9.1.2.4 PCBs

PCBs were not detected above laboratory reporting limits in the sediment samples analyzed.

9.1.3 Groundwater

The groundwater concentrations were compared to SFBRWQCB ESLs (SFBRWQCB), 2019) for gross contamination in groundwater as described below.

9.1.3.1 Metals

No metals exceeded the SFBRWQCB ESLs for gross contamination.

9.1.3.2 Total Petroleum Hydrocarbons

Groundwater results for TPH are presented on Figure 6. TPH as gasoline was not detected above laboratory reporting limits. A SFBRWQCB ESL for gross contamination has not been established for TPH as oil.

TPH as diesel exceeded the SFBRWQCB ESL for gross contamination of 2.5 mg/L at B-4. Additionally, in response to the matrix interference, the laboratory increased the reporting limits for TPH as diesel and as oil. The reporting limit for TPH as diesel for sample B-3 was 4.4 mg/L, which is greater than the SFBRWQCB ESL of 2.5 mg/L. TPH as diesel was not detected in B-3 at a concentration greater than 4.4 mg/L, however, it may still be present in the sample at a concentration greater than the ESL of 2.5 mg/L.

The SFBRWQCB ESL for gross contamination is based on the solubility threshold concentration of a given contaminant in water. A concentration above the ESL for gross contamination may indicate that a contaminant has reached its solubility threshold and therefore, may be present as a non-aqueous phase liquid (NAPL) at the sampling location. Because TPH as diesel at B-4 and potentially at B-3 exceeded the ESL for gross contamination, there is a potential for TPH as diesel to be present as NAPL (or at concentrations close to the solubility threshold of TPH as diesel) near the sample locations.

9.2 EVALUATION OF RECOGNIZED ENVIRONMENTAL CONDITIONS

The RECs described in Section 1.1 were evaluated based on the results of this Limited Phase II ESA as described below.

9.2.1 REC A Lead Battery Reclamation and REC B Lobster Cage Tar

REC A, Lead Battery Reclamation – The Port District indicated that lead battery reclamation has occurred on the Subject Property. This activity may have impacted the subsurface on the Subject Property. The location(s) of where lead battery reclamation occurred on the Subject Property is (are) unknown.

REC B, Lobster Cage Tar – The Port District and the San Diego County Department of Environmental Health indicated that lobster cages were dipped into tar on the Subject Property. This activity may have impacted the subsurface on the Subject Property. The location(s) of where lobster cages were dipped into tar on the Subject Property is (are) unknown.

Soil and groundwater samples were collected and analyzed at borings B-1 and B-2 to assess potential contamination associated with the lead battery reclamation and lobster cage tar operations, for which the locations were unknown, but were expected to have occurred in that general area of the Subject Property. Soil samples collected from borings B-1 and B-2 were analyzed for metals (in particular lead), which could indicate contamination from lead battery reclamation. Concentrations of lead reported in the soil samples collected from borings B-1 and B-2 were below the DTSC-SL of 500 mg/kg and USEPA RSL of 800 mg/kg for commercial/industrial soil and were generally low, ranging between 3.8 and 20 mg/kg. No other metals, other than arsenic (which was below the background level), exceeded DTSC-SL or USEPA RSLs in B-1 and B-2. In addition, the metals concentrations in groundwater were not elevated.

Soil and groundwater samples collected from borings B-1 and B-2 were analyzed for PAHs, which can indicate the presence of tar, as was used for the lobster cages at the Subject Property. However, no PAHs were detected above their respective laboratory reporting limits in soil or groundwater.

Based on the limited soil and groundwater sampling performed as part of this investigation, evidence of RECs A and B were not clearly identified in the subsurface, however, since the locations of RECs A and B are unknown, impacts from these RECS may be present elsewhere on the Subject Property.

9.2.2 REC C Hazardous Materials Storage Shed, REC D Oil-Soaked Carpet Below Former Waste Oil AST, and REC E Oily Debris Below Former Waste Oil AST

REC C, Concrete Staining in Hazardous Materials Storage Shed – Kleinfelder identified staining on the concrete floor of the hazardous materials storage shed during the Phase I ESA site reconnaissance. The hazardous material storage shed is used to store petroleum waste, therefore, the subsurface may be impacted in this area.

REC D, Oil-soaked carpet around former waste oil aboveground storage tank (AST) – The County of San Diego Department of Environmental Health reported the oil-soaked carpet in 2005 in the former hazardous waste storage area. The evidence of leakage near the former waste oil AST could indicate impacts to the subsurface in this area.

REC E, Oily debris below former waste oil AST – The County of San Diego Department of Environmental Health reported the oily debris in 2008 in the former hazardous waste storage area. The evidence of leakage near the former waste oil AST could indicate impacts to the subsurface in this area.

Soil and groundwater samples were collected and analyzed at borings B-3 and B-4 to assess the concrete staining in the hazardous materials storage shed and oil-soaked carpet and oily debris around and below the former waste oil AST on the Subject Property. Borings B-3 and B-4 were located approximately 40 feet and 50 feet, respectively, from San Diego Bay. The soil and groundwater samples at B-3 and B-4 were analyzed for TPH and VOCs, which would indicate contamination to the subsurface originating from the hazardous material storage shed and former waste oil AST. The sampling results indicated that the highest concentrations of TPH as diesel and oil in soil on the Subject Property were detected at B-3 and B-4. Additionally, the only detection of VOCs (xylene) in soil at the Subject Property were detected at B-3. Furthermore, the highest concentrations of TPH as diesel and oil in groundwater detected at the Subject Property were also detected at B-3 and B-4. As mentioned in Section 9.1.3.2, the concentration of TPH as diesel in groundwater at B-4 may indicate the presence of NAPL at that location. Based on the elevated concentrations of TPH in soil and groundwater at B-3 and B-4 and the detection of xylene in soil at B-3, the leakage of petroleum products within the hazardous material storage shed and the former waste oil UST appear to have impacted the Subject Property and warrants consultation with an appropriate regulatory agency (e.g. SDRWQCB).

9.2.3 REC F, Contaminated Bay Sediment

REC F, Contaminated Bay Sediment - Copper, lead, zinc, mercury, TBT, DBT, and MBT have been detected in sediment on the Subject Property. The copper, lead, and zinc concentrations exceeded their respective ERL value and mercury exceeded the ERL and ERM value (Long et al, 1995). Leaching of metals from hull paints, overwater hull maintenance and other overwater boat maintenance activities within the wharf may have contributed to these sediment impacts.

Bay sediment samples were collected and analyzed for metals and organotins to evaluate impacts to Bay sediments from activities on the Subject Property. Metals in Bay sediment may be associated with marine-related activities such as boat hull painting and coating, hull maintenance, and other over water boat maintenance activities as well as non-marine related upland activities such as from automobile brakes, paint and building coatings, galvanized steel and vehicle exhaust. Sources for organotins in Bay sediment are associated almost exclusively with antifouling coatings on marine vessels.

One or more metals including copper, mercury, nickel, and zinc exceeded their respective ERLs in the Bay sediment samples collected at all piers (Piers 4 through 8). The metals concentrations exhibit a generally decreasing trend in concentration from northwest (Pier 4) to southeast (Pier 8). However, overall, the concentrations of each metal do not vary widely between each Bay sediment sample. Because of this uniformity in concentrations, it is likely that the metals contamination in Bay sediment is the result of overwater marine activity on the Subject Property as opposed to a point source such as discharges from OF-1. This finding appears to be supported by the results of the shoreline sediment sample (OF-1), which had a different metals concentrations signature (higher barium and lead concentrations and lower copper and mercury concentrations) than the Bay sediment samples, indicating that the contamination on the shoreline includes material from upland sources via the storm drain outfall.

The organotins DBT and TBT were detected in the Bay sediment samples collected at Pier 7 and Pier 8. DBT and TBT were also detected in the shoreline sediment sample (OF-1). Because Pier 7 and Pier 8 are located farther from the shoreline sediment sample than Piers 4 through 6, and no DBT or TBT were detected at Piers 4 through 6, these results appear to suggest there are likely organotin sources associated with both overwater marine-related activities and upland marine-related activities on the Subject Property.

It is important to note that OF-1 was not collected from within the outfall pipe, therefore, the OF-1 sample may be representative of both upland sediment discharges and Bay sediment conditions. Consultation with an appropriate regulatory agency (e.g. SDRWQCB) is recommended.

Based on the Bay sediment sample results, this investigation confirms that this REC represents an impact to Bay sediments from marine-related activities on the Subject Property. Consultation with an appropriate regulatory agency (e.g. SDRWQCB) is recommended.

9.2.4 REC G, Trench Drain and Storm Drain Outfall

REC G, Trench drain and storm drain outfall – Kleinfelder observed a trench drain at the entrance to the Chula Seafood restaurant on the Subject Property. The discharge location of this trench drain is unknown. Additionally, the storm drain catch basins on the Subject Property are connected to an outfall that discharges directly to San Diego Bay (America's Cup Harbor). There is a potential that contaminants, originating near the trench drain and/or storm drain catch basins, could have been discharged to San Diego Bay through the storm drain system and could have impacted bay sediments within the waterside portion of the Subject Property.

As described in Section 4, the trench drain identified during the Phase I ESA, at the entrance to the Chula Seafood restaurant, did not appear to be connected to the Bay outfall on the Subject Property. Therefore, no additional investigation of the trench drain is warranted.

Also as described in Section 4, the storm drain outfall was determined to be connected to three storm drain inlets in the parking lot of the Subject Property. In addition, one of the inlets (Inlet #2) appeared to be connected to a storm drain system originating from the adjacent Naval Base Point Loma military facility. Sediment was sampled approximately 12 inches directly below the opening of the outfall (sample OF-1) on the surface of the shoreline. The elevated concentrations of metals and organotins detected at OF-1 indicate that there are likely upland sources for these contaminants (e.g., Subject Property and Naval Base Point Loma); however, because this sample was not collected directly from the outfall it could also be representative of both upland sediment discharges and Bay sediment conditions.

Because elevated metals and organotins were detected on the shoreline of the Subject Property below the outfall, and at concentrations that suggest upland sources of contamination, this investigation has confirmed that this REC represents an impact to the Subject Property from upland and/or Bay sources. Consultation with an appropriate regulatory agency (e.g. SDRWQCB) is recommended.

9.2.5 REC H, Waste Oil Underground Storage Tank

REC H, Waste oil underground storage tank (UST) – Kleinfelder identified a waste oil UST on a 1984 site plan of the Subject Property. To assist with future site demolition or rehabilitation, the Port District has requested Kleinfelder to evaluate if the waste oil UST is still present on the Subject Property.

As described in Section 5, the geophysical UST survey did not identify evidence of a current UST or of a backfilled excavation that would indicate the former presence of a UST within the suspected waste oil UST area on the Subject Property. Therefore, this REC does not appear to have impacted the Subject Property and no further investigation is warranted in association with this REC.

10 CONCLUSIONS AND RECOMMENDATIONS

Kleinfelder performed this Limited Phase II ESA to evaluate selected RECs identified in the Phase I ESA (Kleinfelder, 2022). Based on the results of this investigation, the following REC was considered to not have impacted the Subject Property:

- REC H, Waste Oil UST – REC considered to not have impacted the Subject Property based on the results of the geophysical UST survey, which did not identify evidence of a current UST or of a backfilled excavation that would indicate the former presence of a UST.

The following RECs were considered to have impacted, or have the potential to impact, the Subject Property:

- REC A, Lead Battery Reclamation – Based on the limited soil and groundwater sampling performed as part of this investigation, evidence of the lead battery reclamation activity was not clearly identified in the subsurface. Since the location of the lead battery reclamation activitiy is unknown, impacts from this REC may be present elsewhere on the Subject Property.
- REC B, Lobster Cage Tar – Based on the limited soil and groundwater sampling performed as part of this investigation, evidence of the lobster cage tar activity was not clearly identified in the subsurface. Since the location of the lobster cage tar activity is unknown, impacts from this REC may be present elsewhere on the Subject Property.
- REC C, Hazardous Materials Storage Shed – This REC is considered to have impacted the Subject Property due to elevated concentrations of TPH in soil and groundwater. Consultation with an appropriate regulatory agency (e.g. SDRWQCB) is recommended.
- REC D, Oil-Soaked Carpet Around Former Waste Oil AST - This REC is considered to have impacted the Subject Property due to elevated concentrations of TPH in soil and groundwater. Consultation with an appropriate regulatory agency (e.g. SDRWQCB) is recommended.
- REC E, Oily Debris Below Former Waste Oil AST – This REC is considered to have impacted the Subject Property due to elevated concentrations of TPH in soil and groundwater. Consultation with an appropriate regulatory agency (e.g. SDRWQCB) is recommended.
- REC F, Contaminated Bay Sediment – This REC is considered to have impacted the Subject Property due to the presence of organotins and elevated concentrations of metals in Bay

sediment from marine-related and non-marine-related activities on the Subject Property. Consultation with an appropriate regulatory agency (e.g. SDRWQCB) is recommended.

- REC G, Trench Drain and Storm Drain Outfall – This REC is considered to have impacted the Subject Property due to the presence of organotins and elevated concentrations of metals in the shoreline sediment below the storm drain outfall. The trench drain did not appear to discharge into the storm drain. Consultation with an appropriate regulatory agency (e.g. SDRWQCB) is recommended.

During future redevelopment of the Subject Property, there will be a potential for construction workers to encounter contaminated soil, groundwater, and sediment. This Limited Phase II ESA did not fully characterize the nature and extent of impacted media at the Subject Property. Kleinfelder recommends that future development plans be reviewed with respect to the findings of this investigation. Additional investigation may be necessary if the Port District needs to estimate the quantity and potential costs associated with handling and disposal of impacted media encountered during construction and to assess worker health and safety requirements. In addition, preparation of an Excavated Materials Management Plan prior to the start of construction activities is recommended. The plan should include methodologies and procedures for stockpiling, sampling, analyzing, profiling, handling and appropriately disposing of contaminated materials encountered during construction and to minimize contaminated sediment disturbance during in-Bay construction activities. The plan should include sampling methodologies based on volumes of soil excavated and identify potential landfills for disposition.

In addition, clogging of one of the storm drain inlets (Inlet #1) and within the conveyance pipeline was observed by Kleinfelder. Cleaning of the inlet and conveyance pipeline is recommended as well as installation of BMPs in and around the storm drain inlets.

11 LIMITATIONS

This report was prepared in a manner consistent with that level of care and skill ordinarily exercised by other members of Kleinfelder's profession practicing in the same locality, under similar conditions and at the date the services are provided. Our conclusions, opinions and recommendations are based on a limited number of observations and data. It is possible that conditions could vary between or beyond the data evaluated. Kleinfelder makes no other representation, guarantee or warranty, express or implied, regarding the services, communication (oral or written), report, opinion, or instrument of service provided.

This report may be used only by the SDUPD and the registered design professional in responsible charge and only for the purposes stated for this specific engagement within a reasonable time from its issuance, but in no event later than two (2) years from the date of the report.

The scope of services described here is not intended to be inclusive, to identify all potential concerns, or to eliminate the possibility of other environmental problems. Within current technology, no level of assessment can show conclusively that a property or its structures are completely free of hazardous substances. Therefore, Kleinfelder cannot offer a certification that the property is free of environmental liability. Kleinfelder will assume no responsibility or liability whatsoever for any claim, loss of property value, damage, or injury which results from pre-existing hazardous materials being encountered or present on the project site, or from the discovery of such hazardous materials.

Kleinfelder offers various levels of investigative and engineering services to suit the varying needs of different clients. It should be recognized that definition and evaluation of geologic and environmental conditions are a difficult and inexact science. Judgments leading to conclusions and recommendations are generally made with incomplete knowledge of the subsurface conditions present due to the limitations of data from field studies. Although risk can never be eliminated, more-detailed and extensive studies yield more information, which may help understand and manage the level of risk. Since detailed study and analysis involves greater expense, our clients participate in determining levels of service that provide adequate information for their purposes at acceptable levels of risk. More extensive studies, including subsurface studies or field tests, should be performed to reduce uncertainties. Acceptance of this report will indicate that the SDUPD has reviewed the document and determined that it does not need or want a greater level of service than provided.

The information included on graphic representations in this report has been compiled from a variety of sources and is subject to change without notice. Kleinfelder makes no representations or warranties, express or implied, as to the accuracy, completeness, timeliness, or rights to the use of such information. These documents are not intended for use as a land survey product nor are they designed or intended as a construction document. The use or misuse of the information contained on these graphic representations is at the sole risk of the party using or misusing the information.

12 REFERENCES

California Code of Regulations, Title 22, Division 4.5, Chapter 11, Article 3, Section 66261.24 Characteristics of a Hazardous Waste.

California Geologic Survey, 2002. *California Geomorphic Provinces*, Note 36, 4p.

California Department of Toxic Substances Control (DTSC), 2020. Office of Human and Ecological Risk (HERO), Human Health Risk Assessment (HHRA) Note, *HERO HHRA Note Number: 11, Southern California Ambient Arsenic Screening Level*. December 28.

_____, 2021. Office of Human and Ecological Risk (HERO), Human Health Risk Assessment (HHRA) Note, *HERO HHRA Note Number: 12, Guidance for Evaluating Human Health Risk at Sites Contaminated by Petroleum Hydrocarbons and Related Chemicals of Potential Concern*. June.

_____, 2022. Office of Human and Ecological Risk (HERO), Human Health Risk Assessment (HHRA) Note, *HERO HHRA Note Number: 3, DTSC-Modified Screening Levels (DTSC-SLs)*. May.

California State Water Resources Control Board (SWRCB), 2009 (as amended, 2018). *Water Quality Control Plan for Enclosed Bays and Estuaries – Part 1 Sediment Quality*, August 25.

Engineering Science Applications, 1992. Boring Logs and Laboratory Data, *4904-4922 North Harbor Drive, San Diego*. October 6.

Kleinfelder, 2022. *Phase I Environmental Site Assessment, 4900-4930 North Harbor Drive, San Diego, California 92106*, December 21.

Kleinfelder, 2023. *Limited Phase II Environmental Site Assessment Work Plan, 4900-4930 North Harbor Drive, San Diego, California 92106*, January 18.

Long et al., 1995. *Incidence of Adverse Biological Effects Within Ranges of Chemical Concentrations in Marine and Estuarine Sediments*, Environmental Management, Vol. 19, No. 1.

Norris, R.M. and Webb R.W., 1990. *Geology of California*, Second Edition, John Wiley and Sons, Inc., pp. 169-190.

San Diego Regional Water Quality Control Board (SDRWQCB), 2012. *Cleanup and Abatement Order No. R9-2012-0024, Shipyard Sediment Site, San Diego Bay, San Diego, California*, March 14.

San Diego Regional Water Quality Control Board (SDRWQCB), 2021. *Water Quality Control Plan for the San Diego Basin (9)*, September 1.

San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2019. *Environmental Screening Levels (ESLs)*, rev 2, July.

USEPA, 2010. National Functional Guidelines for Inorganic Data Review, January.

_____, 2023. Regional Screening Level (RSL) Summary Table, May.

TABLES

Table 6-1
Sampling Location Coordinates

Location Identification	Longitude	Latitude
B-1	-117.2224264	32.72411651
B-2	-117.2221679	32.72395239
B-3	-117.2219125	32.72380764
B-4	-117.221901	32.723853
OF-1	-117.2223697	32.72396647
Pier-4	-117.222959	32.724183
Pier-5	-117.2225391	32.72388943
Pier-6	-117.2220168	32.72360509
Pier-7	-117.2215958	32.72322504
Pier-8	-117.2210543	32.72296715

Table 8-1
Metals Results in Soil

			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Units:			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
USEPA Method:			6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	7471A	6010B	6010B	6010B	6010B	6010B	6010B	6010B
DTSC-SL for Commercial/Industrial Soil:			--	0.36	--	230	--	--	--	--	500	4.4	--	11,000	--	--	--	--	--
USEPA RSL for Industrial Soil:			470	3.0	220,000	2,300	100	--	350	47,000	800	46	5,800	22,000	5,800	5,800	12	5,800	350,000
Boring ID	Sample Depth (ft bgs)	Date Sampled																	
B-1	0.5	05/04/2023	<2.9	**4.4**	**41**	**0.51**	<0.49	**24**	**10**	**8**	**6.8**	<0.15	**1.3**	**11**	<2.9	<0.49	<2.9	**53**	**41**
	3	05/04/2023	<2.9	**1.9**	**77**	<0.49	<0.49	**16**	**6**	**48**	**12**	**0.23**	**0.98**	**5.9**	<2.9	<0.49	<2.9	**49**	**42**
	8	05/04/2023	<3.0	**2.1**	**56**	<0.50	<0.50	**15**	**5.1**	**12**	**15**	<0.17	<1.0	**6.4**	<3.0	<0.50	<3.0	**30**	**47**
B-2	0.5	05/04/2023	<2.9	**4.3**	**100**	<0.49	<0.49	**22**	**6.5**	**10**	**3.8**	<0.16	<0.97	**8.3**	<2.9	<0.49	<2.9	**46**	**43**
	3	05/04/2023	<2.9	**3.2**	**73**	<0.48	<0.48	**15**	**5.4**	**12**	**20**	<0.16	<0.96	**6.6**	<2.9	<0.48	<2.9	**37**	**42**
	7	05/04/2023	<3.0	**4.5**	**77**	<0.50	<0.50	**11**	**3.6**	**8.5**	**9.4**	<0.15	<1.0	**4**	<3.0	<0.50	<3.0	**28**	**47**
B-3	0.5	05/04/2023	<2.9	**6.4**	**120**	<0.48	<0.48	**12**	**4.6**	**16**	**12**	<0.16	<0.96	**5.9**	<2.9	<0.48	<2.9	**36**	**43**
	3	05/04/2023	<3.0	**2.5**	**75**	<0.50	<0.50	**15**	**6.2**	**9.2**	**5.3**	<0.16	<0.99	**6.3**	<3.0	<0.50	<3.0	**40**	**42**
	7	05/04/2023	<2.9	**4.5**	**27**	<0.48	<0.48	**22**	**2.9**	**9.5**	**18**	<0.15	<0.96	**17**	<2.9	<0.48	<2.9	**25**	**58**
B-4	0.5	05/04/2023	<2.9	**5**	**120**	<0.49	<0.49	**13**	**4.3**	**17**	**30**	<0.15	<0.98	**5.5**	<2.9	<0.49	<2.9	**34**	**45**
	3	05/04/2023	<3.0	**2.9**	**65**	<0.50	<0.50	**17**	**5.5**	**8.7**	**3.5**	<0.16	<0.99	**7**	<3.0	<0.50	<3.0	**47**	**38**
	8	05/04/2023	<2.9	**5.3**	**150**	<0.48	<0.48	**11**	**2.7**	**9.6**	**12**	**0.26**	**1.6**	**18**	<2.9	<0.48	<2.9	**33**	**46**

Notes:
-- = Screening level not established.
Bold = detected above laboratory reporting limit
<2.9 = Concentration below stated laboratory reporting limit.
ft bgs = feet below ground surface
Highlighted Value = indicates exceedance of screening level
mg/kg = milligrams per kilogram
RSL = USEPA Regional Screening Level, Composite Worker Soil (Industrial), May 2023.
DTSC-SL = California Environmental Protection Agency Department of Toxic Substances Control (DTSC) Office of Human and Ecological Risk (HERO) Human Health Risk Assessment (HHRA) Note Number 3, DTSC-modified Screening Levels (DTSC-SLs) for Commercial/Industrial Soil. Release date: June 2020, revised May 2022.
USEPA = United States Environmental Protection Agency

Table 8-2
TPH Results in Soil

			TPH as Gasoline (C8-C10)	*TPH as Diesel (C10-C28)*	*TPH as Oil (C28-C44)*
		Units:	***mg/kg***	***mg/kg***	***mg/kg***
		USEPA Method:	***8015M***	***8015M***	***8015M***
		SFBRWQCB ESL for Commercial/Industrial Soil:	***2,000***	***1,200***	***180,000***
		DTSC-SL for Commercial/Industrial Soil:	--	--	--
		USEPA RSL for Industrial Soil (Aliphatic):	***1900***	***440***	***3,500,000***
		USEPA RSL for Industrial Soil (Aromatic):	--	***1,700***	***220***
Boring ID	***Sample Depth (ft bgs)***	***Date Sampled***			
B-1	0.5	05/04/2023	<9.9	**14**	**26**
	3	05/04/2023	<20	**48**	**75**
	8	05/04/2023	<10	<10	<20
B-2	0.5	05/04/2023	<10	<10	<20
	3	05/04/2023	<9.9	**18**	**36**
	7	05/04/2023	<10	<10	<20
B-3	0.5	05/04/2023	<10	**24**	**87**
	3	05/04/2023	<10	<10	<20
	7	05/04/2023	<200	**220**	**520**
B-4	0.5	05/04/2023	<10	**26**	**31**
	3	05/04/2023	<10	<10	<20
	8	05/04/2023	<200	**260**	**600**

Notes:
Highlighted cells indicate screening limit exceeded.
Bold = Detected above laboratory reporting limit.
Highlighted Value = indicates exceedance of screening level
-- = Screening level not established.
<10 = Concentration below stated laboratory reporting limit.
C10-C28 = indicates carbon-chain number
DTSC-SL = California Environmental Protection Agency Department of Toxic Substances Control (DTSC) Office of Human and Ecological Risk (HERO) Human Health Risk Assessment (HHRA) Note Number 3, DTSC-modified Screening Levels (DTSC-SLs) for Commercial/Industrial Soil. Release date: June 2020, revised May 2022.
ESL = SFBRWQCB Environmental Screening Levels Workbook and Summary Tables 2019 Revision 2, July 25, 2019.
ft bgs = feet below ground surface
mg/kg = milligrams per kilogram
RSL = USEPA Regional Screening Level, Composite Worker (Industrial), May 2023. Designation "X l X" indicates "aliphatic l aromatic" fractions, which are not differentiated in typical TPH analysis. The actual screening level of the overall TPH constituent with both fractions actually lies somewhere in between.
SL = Screening Level
SFBRWQCB = San Francisco Bay Regional Water Quality Control Board
USEPA = United States Environmental Protection Agency

Table 8-3
Metals Results in Surficial Sediment

		Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Units:		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
USEPA Method:		6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	7471A	6010B	6010B	6010B	6010B	6010B	6010B	6010B
Effects Range Low*		NL	8.2	NL	NL	1.2	81	NL	34	46.7	0.15	NL	20.9	NL	1.0	NL	NL	150
Effects Range Medium*		NL	70	NL	NL	9.6	370	NL	270	218	0.71	NL	51.6	NL	3.7	NL	NL	410
Sample Location ID	**Date Sampled**																	
Pier 4	05/05/2023	<2.9	**3.9**	**35**	<0.49	<0.49	**57**	**3.5**	**170**	**35**	**0.67**	**3.9**	**25**	<2.9	<0.49	<2.9	**28**	**170**
Pier 5	05/05/2023	<2.9	**4.7**	**46**	<0.48	<0.48	**30**	**3.5**	**150**	**34**	**0.7**	**1.6**	**8.1**	<2.9	<0.48	<2.9	**33**	**150**
Pier 6	05/05/2023	<2.9	**4.8**	**46**	<0.49	<0.49	**32**	**3.9**	**160**	**36**	**0.63**	**1.3**	**8.1**	<2.9	<0.49	<2.9	**37**	**160**
Pier 7	05/05/2023	<2.9	**4.4**	**42**	<0.48	<0.48	**25**	**3.3**	**110**	**25**	**0.44**	**1.2**	**7**	<2.9	<0.48	<2.9	**32**	**140**
Pier 8	05/05/2023	<2.9	**2.6**	**22**	<0.48	<0.48	**11**	**1.7**	**61**	**15**	**0.26**	<0.95	**3.1**	<2.9	<0.48	<2.9	**16**	**67**
OF-1	05/04/2023	<2.9	**4.6**	**160**	<0.49	<0.49	**19**	**3.2**	**59**	**49**	<0.15	<0.98	**8.1**	<2.9	<0.49	<2.9	**19**	**100**

Notes:
All samples are grab samples of surficial (0-0.5 feet) sediment
* = Screening levels based on Table 3 from Long et al., 1995.
Bold = Detected above laboratory reporting limit.
<2.9 = Concentration below stated laboratory reporting limit.
Highlighted Value = indicates exceedance of screening level
mg/kg = milligrams per kilogram
NL = Screening level not listed.
USEPA = United States Environmental Protection Agency

Table 8-4
Organotin Results in Surficial Sediment

		Tributyltin	Dibutyltin	Monobutyltin
	Units:	µg/kg	µg/kg	µg/kg
	Method:	EC SOP-M422	EC SOP-M422	EC SOP-M422
	Effects Range Low*	NL	NL	NL
	Effects Range Medium*	NL	NL	NL
Sample Location ID	Date Sampled			
Pier 4	05/05/2023	<3.0	<3.0	<3.0
Pier 5	05/05/2023	<3.0	<3.0	<3.0
Pier 6	05/05/2023	<3.0	<3.0	<3.0
Pier 7	05/05/2023	<3.0	**4.9**	<3.0
Pier 8	05/05/2023	**4.4**	<3.0	<3.0
OF-1	5/4/2023	**3.9**	**7.4**	<3.0

Notes:
All samples are grab samples of surficial (0-0.5 feet) sediment
* = Screening levels based on Table 3 from Long et al., 1995.
Bold = Detected above laboratory reporting limit.
<2.9 = Concentration below stated laboratory reporting limit.
EC SOP-M422 - Eurofins Calscience Standard Operating Procedure for analysis of organotins using GC/MS-SIM.
GC/MS-SIM = Gas chromatography/mass spectrometry-selective ion monitoring
NL = Screening level not listed.
µg/kg = mirograms per kilogram

Table 8-5
TPH Results in Groundwater

		TPH as Gasoline	TPH as Diesel (C13-C28)	TPH as Oil (C29-C44)
	Units:	ug/L	mg/L	mg/L
	USEPA Method:	8015B	8015B	8015B
	SFBRWQCB ESL Groundwater Gross Contamination:	50,000	2.5	--
Sample Location ID	Date Sampled			
B-1	05/04/2023	<50	<0.44	**0.97 J**
B-2	05/04/2023	<50	**0.19**	**0.27 J**
B-3	05/04/2023	<50	<4.4	**11 J**
B-4	05/04/2023	<50	**4.6 J**	**11 J**

Notes:
Bold = Detected above laboratory reporting limit.
-- = Screening level not established.
<0.44 = concentration below stated laboratory reporting limit
(C13-C28) = Indicates carbon-chain number.

ESL = SFBRWQCB Environmental Screening Levels Workbook and Summary Tables 2019 Revision 2, July 25, 2019.

J = estimated concentration
mg/L = milligrams per liter
ug/L = micrograms per liter
SFBRWQCB = San Francisco Bay Regional Water Quality Control Board
TPH = total petroleum hydrocarbons
USEPA = United States Environmental Protection Agency
Highlighted Value = indicates exceedance of screening level

FIGURES

The information included on this graphic representation has been compiled from a variety of sources and is subject to change without notice. Kleinfelder makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information. This document is not intended for use as a land survey product nor is it designed or intended as a construction design document. The use or misuse of the information contained on this graphic representation is at the sole risk of the party using or misusing the information.

Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

\\azrgisstorp03\GIS_Projects\Client\Port_of_San_Diego\20210261_PortofSanDiego\APRX_MXD\20210261_011\20210261_Vic.mxd

KLEINFELDER
Bright People. Right Solutions.
www.kleinfelder.com

PROJECT NO.	20210261
DRAWN:	6/30/2023
DRAWN BY:	JP
CHECKED BY:	CN
FILE NAME:	20210261_Vic.mxd

PROJECT LOCATION MAP

LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT
4900-4930 NORTH HARBOR DRIVE
PORT OF SAN DIEGO
SAN DIEGO, CALIFORNIA

FIGURE
1

The information included on this graphic representation has been compiled from a variety of sources and is subject to change without notice. Kleinfelder makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information. This document is not intended for use as a land survey product nor is it designed or intended as a construction design document. The use or misuse of the information contained on this graphic representation is at the sole risk of the party using or misusing the information.

Service Layer Credits: © 2023 Microsoft Corporation © 2023 Maxar ©CNES (2023) Distribution Airbus DS

0 75 150 300 Feet

\\azrgisstorp03\GIS_Projects\Client\Port_of_San_Diego\20210261_PortofSanDiegoAPRX_MXD\20210261_011\20210261_Site1.mxd

KLEINFELDER
Bright People. Right Solutions.
www.kleinfelder.com

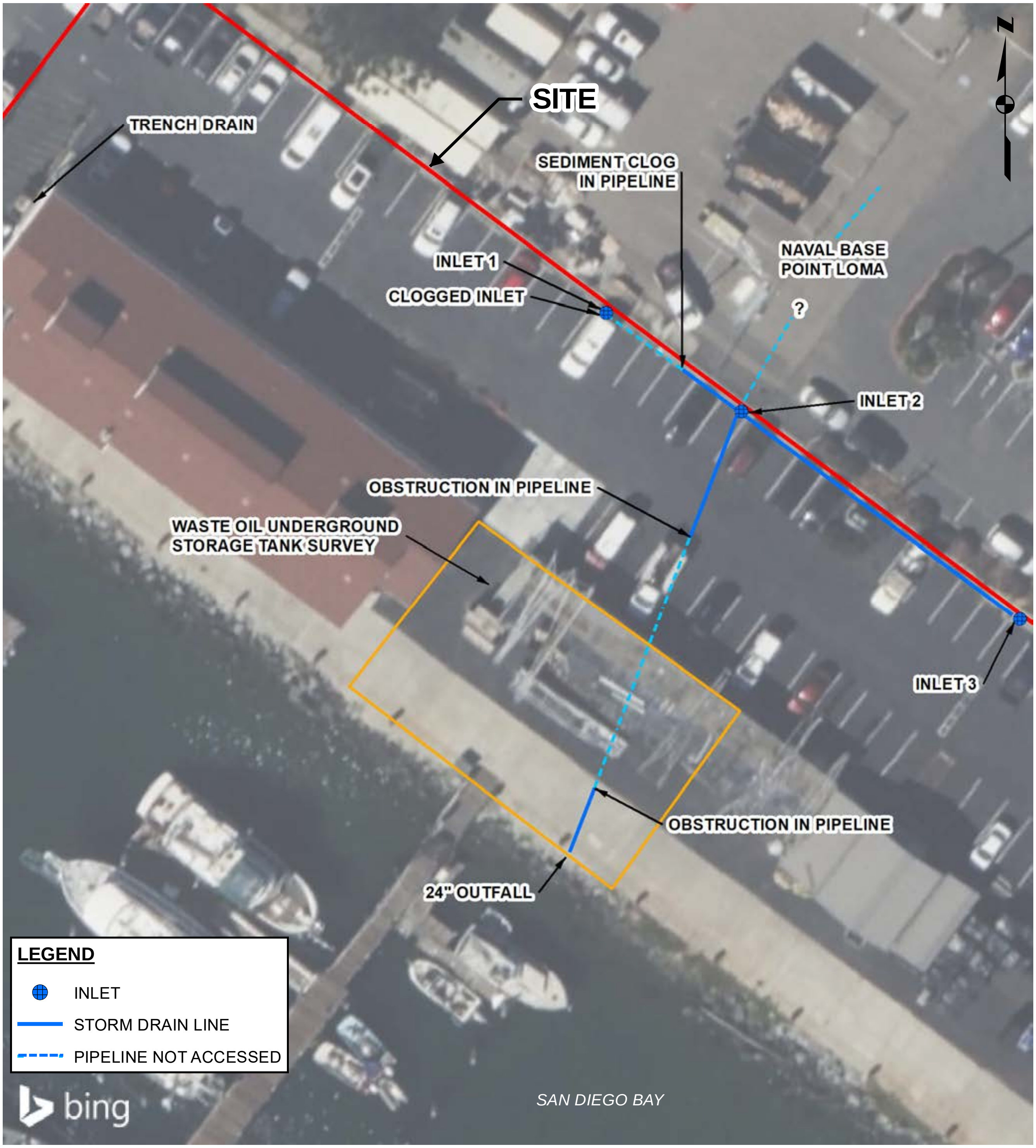
PROJECT NO.	20210261
DRAWN:	9/29/2023
DRAWN BY:	JP
CHECKED BY:	CN
FILE NAME:	20210261_Site1.mxd

SAMPLING LOCATIONS AND RECOGNIZED ENVIRONMENTAL CONDITIONS LOCATIONS MAP

LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT
4900-4930 NORTH HARBOR DRIVE
PORT OF SAN DIEGO
SAN DIEGO, CALIFORNIA

FIGURE

2

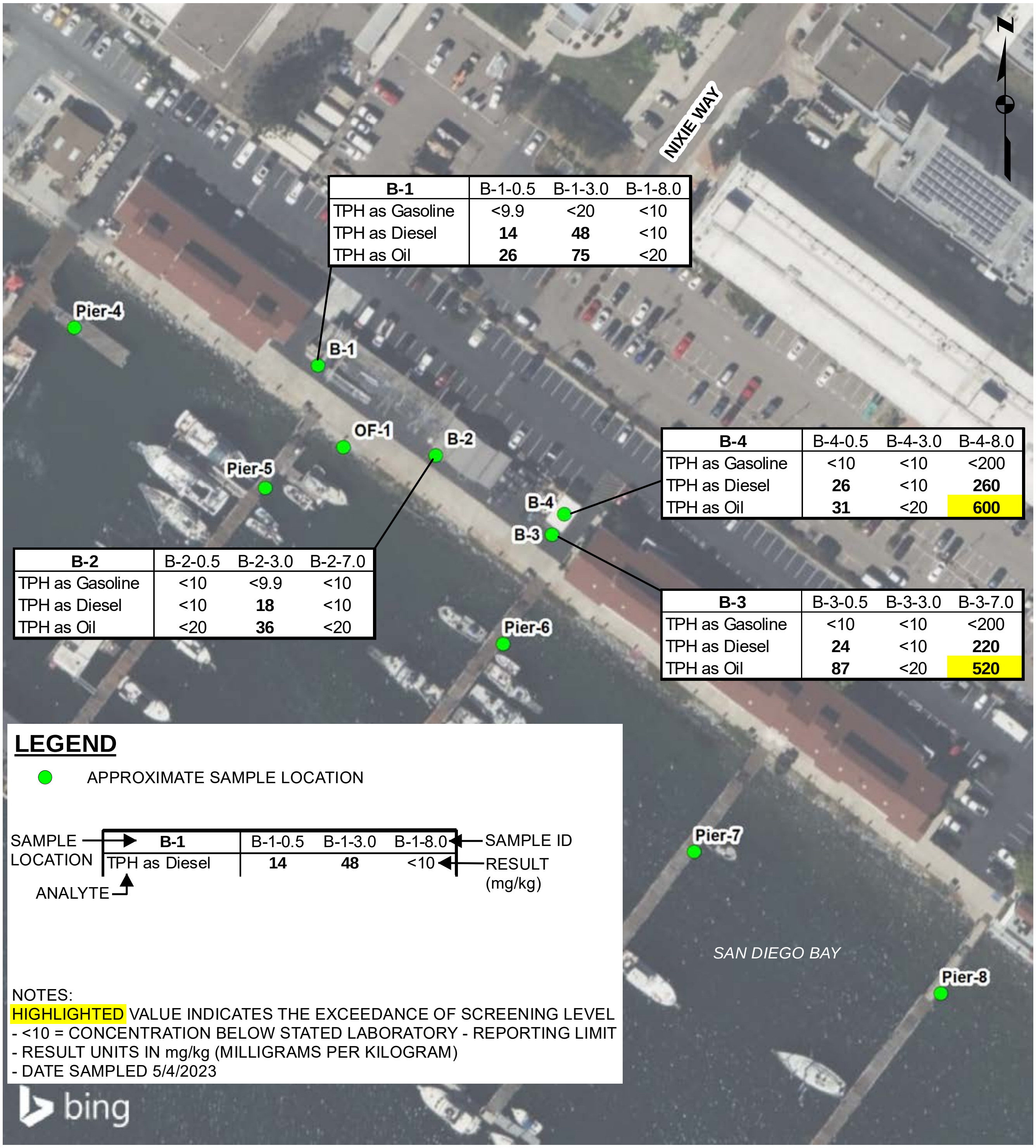


Service Layer Credits: © 2023 Microsoft Corporation © 2023 Maxar ©CNES (2023) Distribution Airbus DS

\\azrgisstorp03\GIS_Projects\Client\Port_of_San_Diego\20210261_PortofSanDiego\APRX_MXD\20210261_011\20210261_Site2.mxd

KLEINFELDER
Bright People. Right Solutions.
www.kleinfelder.com

PROJECT NO. 20210261	**STORM DRAINS AND WASTE OIL TANK SURVEY AREA**		FIGURE
DRAWN: 12/27/2023			
DRAWN BY: JP/RA			**3**
CHECKED BY: CN	LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT 4900-4930 NORTH HARBOR DRIVE PORT OF SAN DIEGO SAN DIEGO, CALIFORNIA		
FILE NAME: 20210261_Site2.mxd			



B-1	B-1-0.5	B-1-3.0	B-1-8.0
TPH as Gasoline	<9.9	<20	<10
TPH as Diesel	**14**	**48**	<10
TPH as Oil	**26**	**75**	<20

B-4	B-4-0.5	B-4-3.0	B-4-8.0
TPH as Gasoline	<10	<10	<200
TPH as Diesel	**26**	<10	**260**
TPH as Oil	**31**	<20	**600**

B-2	B-2-0.5	B-2-3.0	B-2-7.0
TPH as Gasoline	<10	<9.9	<10
TPH as Diesel	<10	**18**	<10
TPH as Oil	<20	**36**	<20

B-3	B-3-0.5	B-3-3.0	B-3-7.0
TPH as Gasoline	<10	<10	<200
TPH as Diesel	**24**	<10	**220**
TPH as Oil	**87**	<20	**520**

LEGEND

● APPROXIMATE SAMPLE LOCATION

SAMPLE LOCATION →

B-1	B-1-0.5	B-1-3.0	B-1-8.0
TPH as Diesel	**14**	**48**	<10

← SAMPLE ID
← RESULT (mg/kg)
ANALYTE

NOTES:
HIGHLIGHTED VALUE INDICATES THE EXCEEDANCE OF SCREENING LEVEL
- <10 = CONCENTRATION BELOW STATED LABORATORY - REPORTING LIMIT
- RESULT UNITS IN mg/kg (MILLIGRAMS PER KILOGRAM)
- DATE SAMPLED 5/4/2023

0 50 100 200 Feet

KLEINFELDER
Bright People. Right Solutions.
www.kleinfelder.com

PROJECT NO.	20210261
DRAWN:	12/26/2023
DRAWN BY:	JP/RA
CHECKED BY:	CN
FILE NAME:	20210261_TPHsoil.mxd

TPH RESULTS IN SOIL

LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT
4900-4930 NORTH HARBOR DRIVE
PORT OF SAN DIEGO
SAN DIEGO, CALIFORNIA

FIGURE
4

\\azrgisstorp03\GIS_Projects\Client\Port_of_San_Diego\20210261_PortofSanDiego\APRX_MXD\20210261_011\20210261_TPHsoil.mxd

METALS RESULTS THAT EXCEED ERLs IN SEDIMENT

LEGEND

- APPROXIMATE SAMPLE LOCATION

SAMPLE LOCATION → PIER 4	PIER4-050523 ← SAMPLE ID
Copper (↑ ANALYTE)	170 ← RESULT (mg/kg)

PIER 4	PIER4-050523
Copper	170
Lead	35
Mercury	0.67
Nickel	25
Zinc	170

OF-1	OF-1
Copper	59
Lead	49
Mercury	<0.15
Nickel	8.1
Zinc	100

PIER 5	PIER5-050523
Copper	150
Lead	34
Mercury	0.70
Nickel	8.1
Zinc	150

PIER 6	PIER6-050523
Copper	160
Lead	36
Mercury	0.63
Nickel	8.1
Zinc	160

PIER 7	PIER7-050523
Copper	110
Lead	25
Mercury	0.44
Nickel	7.0
Zinc	140

PIER 8	PIER8-050523
Copper	61
Lead	15
Mercury	0.26
Nickel	3.1
Zinc	67

NOTES:
- <2.9 = CONCENTRATION BELOW STATED LABORATORY - REPORTING LIMIT
- HIGHLIGHTED = INDICATES EXCEEDANCE OF ERL BUT LOWER THAN ERM
- RESULT UNITS IN mg/kg (MILLIGRAMS PER KILOGRAM)
- DATE SAMPLED 5/5/2023

N

0 50 100 200 Feet

Service Layer Credits: © 2023 Microsoft Corporation © 2023 Maxar ©CNES (2023) Distribution Airbus DS

KLEINFELDER
Bright People. Right Solutions.
www.kleinfelder.com

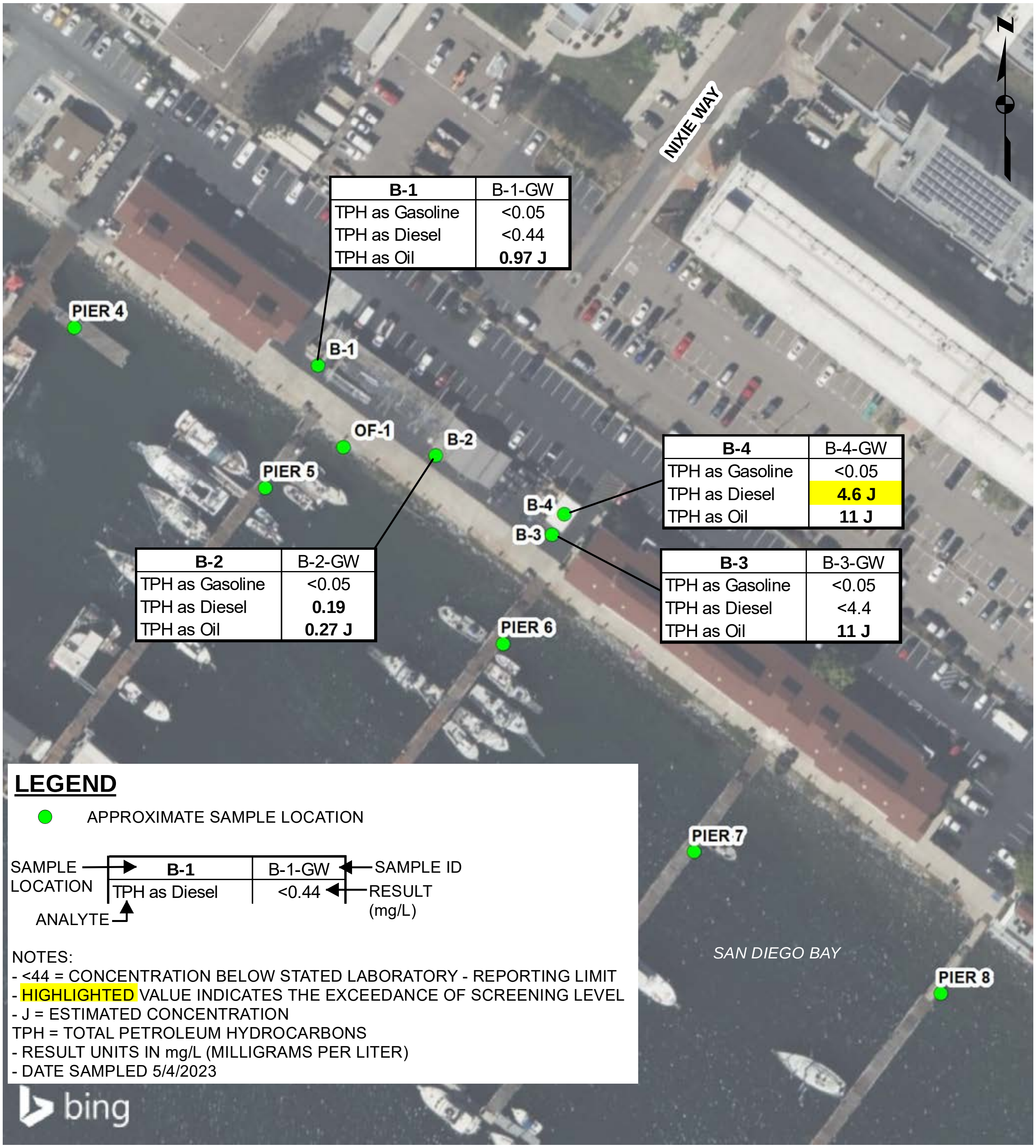
PROJECT NO.	20210261
DRAWN:	9/29/2023
DRAWN BY:	JP
CHECKED BY:	CN
FILE NAME:	20210261_MetalsSed.mxd

METALS RESULTS THAT EXCEED ERLs IN SEDIMENT

LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT
4900-4930 NORTH HARBOR DRIVE
PORT OF SAN DIEGO
SAN DIEGO, CALIFORNIA

FIGURE
5

\\azrgisstorp03\GIS_Projects\Client\Port_of_San_Diego\20210261_PortofSanDiego\APRX_MXD\20210261_011\20210261_MetalsSed.mxd



B-1	B-1-GW
TPH as Gasoline	<0.05
TPH as Diesel	<0.44
TPH as Oil	**0.97 J**

B-4	B-4-GW
TPH as Gasoline	<0.05
TPH as Diesel	**4.6 J**
TPH as Oil	**11 J**

B-2	B-2-GW
TPH as Gasoline	<0.05
TPH as Diesel	**0.19**
TPH as Oil	**0.27 J**

B-3	B-3-GW
TPH as Gasoline	<0.05
TPH as Diesel	<4.4
TPH as Oil	**11 J**

LEGEND

● APPROXIMATE SAMPLE LOCATION

SAMPLE LOCATION → B-1 | B-1-GW ← SAMPLE ID

ANALYTE → TPH as Diesel | <0.44 ← RESULT (mg/L)

NOTES:
- <44 = CONCENTRATION BELOW STATED LABORATORY - REPORTING LIMIT
- HIGHLIGHTED VALUE INDICATES THE EXCEEDANCE OF SCREENING LEVEL
- J = ESTIMATED CONCENTRATION
TPH = TOTAL PETROLEUM HYDROCARBONS
- RESULT UNITS IN mg/L (MILLIGRAMS PER LITER)
- DATE SAMPLED 5/4/2023

0 50 100 200 Feet

KLEINFELDER
Bright People. Right Solutions.
www.kleinfelder.com

PROJECT NO.	20210261
DRAWN:	12/26/2023
DRAWN BY:	JP
CHECKED BY:	CN
FILE NAME:	20210261_TPH_gw.mxd

TPH RESULTS IN GROUNDWATER

LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT
4900-4930 NORTH HARBOR DRIVE
PORT OF SAN DIEGO
SAN DIEGO, CALIFORNIA

FIGURE
6

\\azrgisstorp03\GIS_Projects\Client\Port_of_San_Diego\20210261_PortofSanDiego\APRX_MXD\20210261_011\20210261_TPH_gw.mxd

APPENDIX A
60-DAY BORING COMPLETION REPORT

October 3, 2023
Kleinfelder Project No. 20210261.011A

Mr. Jon Senaha
Monitoring Well Permit Department
County of San Diego, Department of Environmental Health and Quality
PO Box 129261
San Diego, California 92112-9261

SUBJECT: **60-DAY REPORT**
4900-4930 NORTH HARBOR DRIVE
SAN DIEGO, CALIFORNIA
PERMIT NO. LMWP-005880

Dear Mr. Senaha:

Kleinfelder, Inc. (Kleinfelder), on behalf of the San Diego Unified Port District (Port), conducted an environmental investigation at Driscoll's Wharf located at 4900-4930 North Harbor Drive, San Diego, California (Site). Prior to our work at the Site, Kleinfelder obtained MonitoringThe borings were drilled on May 4, 2023. H and P Mobile Geochemistry drilled the borings with a truck-mounted Geoprobe drill rig. The borings were advanced to approximately 8 feet below ground surface and then backfilled with bentonite granules and completed with cold patch asphalt at the surface. The borings were abandoned consistent with the California Well Standards Bulleting 74-90, Part III, Section 19.D. Soil samples were collected at depths of approximately 0.5 foot, 3 feet, and 7 or 8 feet bgs and grab groundwater samples were collected from each soil boring. The soil and groundwater samples were analyzed for California Code of Regulations (CCR) Title 22 metals by United States Environmental Protection Agency (USEPA) Methods 6010B/7471A/7470A, PAHs by USEPA Method 8270C-Selective Ion Monitoring (SIM), TPH-gas, -oil, and -diesel by USEPA Method 8015B and 8015M, and VOCs by USEPA Method 8260B. The laboratory analytical report is included in Appendix C.

Well Construction Permit #LMWP-005880 from the County Department of Environmental Health and Quality (DEHQ) to perform four soil borings. A Site map of the boring locations is presented as Figure 1. Copies of the boring logs and well construction permit have been enclosed for your reference in Appendix A and B, respectively.

Please contact Jake Lippman at 619.831.4600 if you have any questions.

Sincerely,

KLEINFELDER

REGISTERED PROFESSIONAL ENGINEER
WILLIAM D. GOLIGHTLY
No. C58959
EXP. 6/30/25
CIVIL
STATE OF CALIFORNIA

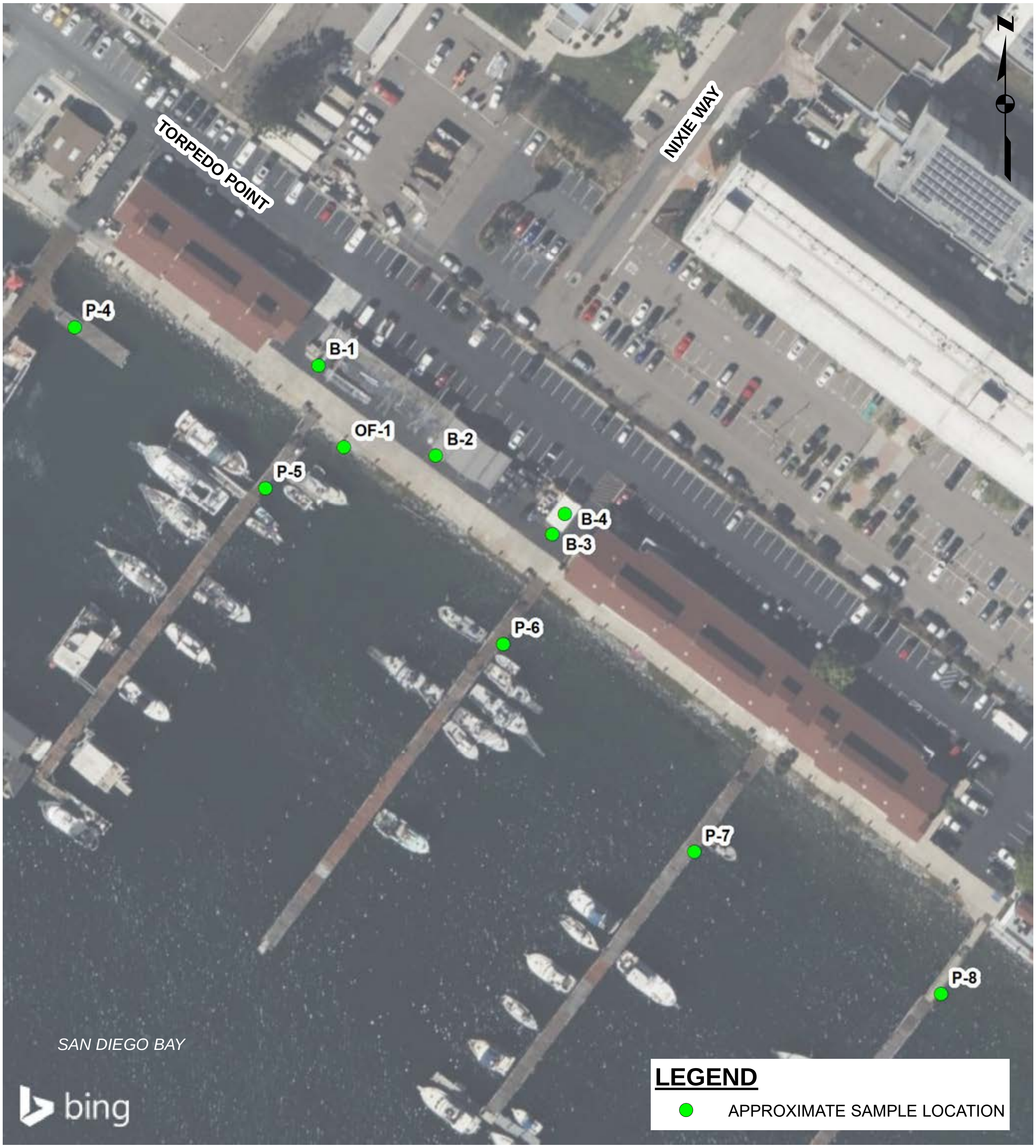
William Golightly, PE, Env., S.P.
Vice President

PROFESSIONAL GEOLOGIST
JAKE D. LIPPMAN
No. 1028
CERTIFIED HYDROGEOLOGIST
Exp. 05/31/2025
STATE OF CALIFORNIA

Jake Lippman, PG, CHg
Project Manager

Attachments: Figure – Boring Locations
A - Boring Logs
B - Well Construction Permit
C – Laboratory Analytical Report

FIGURE



Service Layer Credits: © 2023 Microsoft Corporation © 2023 Maxar ©CNES (2023) Distribution Airbus DS

\\azrgisstorp03\GIS_Projects\Client\Port_of_San_Diego\20210261_PortofSanDiego\APRX_MXD\20210261_011\20210261_Site.mxd

KLEINFELDER
Bright People. Right Solutions.
www.kleinfelder.com

PROJECT NO.	20210261	**SAMPLE LOCATION MAP**	FIGURE
DRAWN:	6/19/2023		
DRAWN BY:	JP		**1**
CHECKED BY:	CN	LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT 4900-4930 NORTH HARBOR DRIVE PORT OF SAN DIEGO SAN DIEGO, CALIFORNIA	
FILE NAME:	20210261_Site.mxd		

ATTACHMENT A
BORING LOGS

BORING LOG B-1

Date Begin - End:	5/04/2023	**Drilling Company:**	H&P Mobile		
Logged By:	C. Noland	**Drill Crew:**	Jose and Mike		
Hor.-Vert. Datum:	Not Available	**Drilling Equipment:**	Macrocore	**Hammer Type - Drop:**	140 lb. Auto - 30 in.
Plunge:	-90 degrees	**Drilling Method:**	Direct Push		
Weather:	Clear	**Auger Diameter:**	2.25 in. O.D.		

FIELD EXPLORATION / LABORATORY RESULTS

Approximate Ground Surface Elevation (ft.): 10.00
Surface Condition: Asphalt

Approximate Elevation (feet)	Depth (feet)	Graphical Log	Lithologic Description	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlas	Additional Tests/ Remarks
10	0		**ASPHALT**: 4 inches											PID = 0.0
			Silty SAND with Gravel (SM): fine to coarse-grained sand, brown, no odor, moist, some shells											
														PID = 0.0
5	5													
▽	8													PID = 0.0
0	10													
-5	15													
-10	20													
-15	25													
-20	30													

The boring was terminated at approximately 8 ft. below ground surface. The boring was backfilled with hydrated bentonite pellets and patched with asphalt on May 04, 2023.

GROUNDWATER LEVEL INFORMATION:
▽ Groundwater was observed at approximately 8 ft. below ground surface during drilling.

GENERAL NOTES:
The exploration location and elevation are approximate and were estimated by Google Earth.

KLEINFELDER
Bright People. Right Solutions.

PROJECT NO.:	20210261.011A
DRAWN BY:	LP
CHECKED BY:	
DATE:	6/16/2023

BORING LOG B-1

Limited Phase II Investigation
4900 through 4930 North Harbor Dr
San Diego, California

BORING LOG B-2

Date Begin - End:	5/04/2023	**Drilling Company:**	H&P Mobile
Logged By:	C. Noland	**Drill Crew:**	Jose and Mike
Hor.-Vert. Datum:	Not Available	**Drilling Equipment:**	Macrocore
Plunge:	-90 degrees	**Drilling Method:**	Direct Push
Weather:	Clear	**Auger Diameter:**	2.25 in. O.D.

Hammer Type - Drop: 140 lb. Auto - 30 in.

Approximate Ground Surface Elevation (ft.): 10.00
Surface Condition: Asphalt

Approximate Elevation (feet)	Depth (feet)	Graphical Log	Lithologic Description	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)	Additional Tests/ Remarks
			ASPHALT: 4 inches											PID = 0.0
			Silty SAND with Gravel (SM): fine to coarse-grained sand, brown, moist, some shells											PID = 0.0
5	5													
														PID = 0.0
0	10													
-5	15													
-10	20													
-15	25													
-20	30													

The boring was terminated at approximately 7 ft. below ground surface. The boring was backfilled with hydrated bentonite pellets and patched with asphalt on May 04, 2023.

GROUNDWATER LEVEL INFORMATION:
Groundwater was observed at approximately 7 ft. below ground surface during drilling.

GENERAL NOTES:
The exploration location and elevation are approximate and were estimated by Google Earth.

KLEINFELDER
Bright People. Right Solutions.

PROJECT NO.:	20210261.011A
DRAWN BY:	LP
CHECKED BY:	
DATE:	6/16/2023

BORING LOG B-2

Limited Phase II Investigation
4900 through 4930 North Harbor Dr
San Diego, California

Date Begin - End:	5/04/2023	**Drilling Company:**	H&P Mobile		**BORING LOG B-3**
Logged By:	C. Noland	**Drill Crew:**	Jose and Mike		
Hor.-Vert. Datum:	Not Available	**Drilling Equipment:**	Macrocore	**Hammer Type - Drop:**	140 lb. Auto - 30 in.
Plunge:	-90 degrees	**Drilling Method:**	Direct Push		
Weather:	Clear	**Auger Diameter:**	2.25 in. O.D.		

Approximate Ground Surface Elevation (ft.): 11.00
Surface Condition: Asphalt

Approximate Elevation (feet)	Depth (feet)	Graphical Log	Lithologic Description	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)	Additional Tests/ Remarks
			ASPHALT: 4 inches											PID = 0.0
10			**Silty SAND with Gravel (SM)**: fine to coarse-grained sand, brown, no odor, moist											
														PID = 0.0
	5													
5														
														PID = 0.0
	10													
0														
	15													
-5														
	20													
-10														
	25													
-15														
	30													
-20														

The boring was terminated at approximately 7 ft. below ground surface. The boring was backfilled with hydrated bentonite pellets and patched with asphalt on May 04, 2023.

GROUNDWATER LEVEL INFORMATION:
Groundwater was observed at approximately 7 ft. below ground surface during drilling.
GENERAL NOTES:
The exploration location and elevation are approximate and were estimated by Google Earth.

KLEINFELDER
Bright People. Right Solutions.

PROJECT NO.: 20210261.011A		BORING LOG B-3
DRAWN BY:	LP	Limited Phase II Investigation 4900 through 4930 North Harbor Dr San Diego, California
CHECKED BY:		
DATE:	6/16/2023	

Date Begin - End:	5/04/2023	**Drilling Company:**	H&P Mobile		**BORING LOG B-4**
Logged By:	C. Noland	**Drill Crew:**	Jose and Mike		
Hor.-Vert. Datum:	Not Available	**Drilling Equipment:**	Macrocore	**Hammer Type - Drop:**	140 lb. Auto - 30 in.
Plunge:	-90 degrees	**Drilling Method:**	Direct Push		
Weather:	Clear	**Auger Diameter:**	2.25 in. O.D.		

FIELD EXPLORATION / LABORATORY RESULTS

Approximate Ground Surface Elevation (ft.): 10.00
Surface Condition: Asphalt

Approximate Elevation (feet)	Depth (feet)	Graphical Log	Lithologic Description	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)	Additional Tests/ Remarks
			ASPHALT: 4 inches											PID = 0.0
			Silty SAND with Gravel (SM): fine to coarse-grained sand, brown, no odor, moist											PID = 0.0
5	5													
▽														PID = 0.0
0	10													
-5	15													
-10	20													
-15	25													
-20	30													

The boring was terminated at approximately 8 ft. below ground surface. The boring was backfilled with hydrated bentonite pellets and patched with asphalt on May 04, 2023.

GROUNDWATER LEVEL INFORMATION:
▽ Groundwater was observed at approximately 8 ft. below ground surface during drilling.
GENERAL NOTES:
The exploration location and elevation are approximate and were estimated by Google Earth.

KLEINFELDER
Bright People. Right Solutions.

PROJECT NO.: 20210261.011A		BORING LOG B-4
DRAWN BY:	LP	Limited Phase II Investigation 4900 through 4930 North Harbor Dr San Diego, California
CHECKED BY:		
DATE:	6/16/2023	

ATTACHMENT B
WELL CONSTRUCTION PERMIT

PERMIT # LMWP-005880
A.P.N. #: 760-004-42-00
EST #: NONE

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH & QUALITY
LAND AND WATER QUALITY DIVISION
MONITORING WELL PROGRAM

BORING CONSTRUCTION PERMIT

SITE NAME: 4900 NORTH HARBOR DRIVE

SITE ADDRESS: 4900-4930 NORTH HARBOR DRIVE, SAN DIEGO, CA 92106

PERMIT FOR: **CONSTRUCTION OF SOIL BORINGS (4)**

PERMIT APPROVAL DATE: 04/25/2023

PERMIT EXPIRES ON: 08/25/2023

RESPONSIBLE PARTY: SAN DIEGO UNIFIED PORT DISTRICT (PAUL BROWN)

PERMIT TERMS:

1. All borings must be sealed from the bottom of the boring to the ground surface with an approved sealing material as specified in California Well Standards Bulletin 74-90, Part III, Section 19.D. **Drill cuttings are not an acceptable fill material. Bentonite slurries are not an acceptable fill material in the unsaturated zone.**

2. All borings must be properly destroyed within 24 hours of drilling.

3. Placement of any sealing material at a depth greater than 30 feet must be done using the tremie method.

4. This work is not connected to any known unauthorized release of hazardous substances. Any contamination found in the course of drilling and sampling must be reported to the DEHQ. All water and soil resulting from the activities covered by this permit must be managed, stored and disposed of as specified in the SAM Manual in Section 5, II, D-4. In addition, drill cuttings must be properly handled and disposed in compliance with the Stormwater Best Management Practices of the local jurisdiction.

5. Within 60 days of completing work, submit a well construction report, including all well and/or boring logs and laboratory data to the Well Permit Desk. This report must include all items required by the SAM Manual, Section 5, Pages 6 & 7.

6. This office must be given 24-hour notice of any drilling activity on this site and advanced notification of drilling cancellation. Please contact the Well Permit Desk at (858) 505-6688.

NOTE: **This permit does not constitute approval of a work plan as defined in Section 2722 of Article 11 of C.C.R., Title 23. Work plans are required for all unauthorized release investigations in San Diego County.**

APPROVED BY: Sotele Briggs — SOTELE BRIGGS DATE: 04/25/2023

PERMIT APPLICATION GROUNDWATER AND VADOSE MONITORING WELLS AND EXPLORATORY OR TEST BORINGS

OFFICE USE ONLY
PERMIT LMWP# 005880
SAM CASE Y/N# N/A
DATE RECEIVED: 04-19-23
FEE PAID: $ 615
CHECK # ONLINE

A. RESPONSIBLE PARTY [1] San Diego Unified Port District E-mail pbrown@portofsandiego.org

Mailing Address: PO Box 120488 City: San Diego State: CA Zip: 92112-0488

Contact Person: Paul Brown Phone (619) 686-7283

INDEMNIFICATION OBLIGATION: To the fullest extent permitted by law, County shall not be liable for, and Responsible Party shall defend, indemnify and hold harmless the County and its Directors, officers, agents, employees and volunteers (collectively "County Parties"), against any and all actions, direct or third-party claims, deductibles, self-insured retentions, demands, liability, judgments, awards, fines, mechanics' liens or other liens, labor disputes, losses, damages, expenses, charges or costs of any kind or character, including attorneys' fees and court costs (hereinafter collectively referred to as "Claims"), which arise out of or are in any way connected to the issuance of this Permit or performance of any work pursuant to the Permit, including without limitation, any action brought to attack, set aside, void or annul the issuance of the Permit under the California Environmental Quality Act, Public Resources Code section 21000, et seq., or any other environmental law, and any action based on or alleging the damage, destruction, loss, or take of private property pursuant to Article I, Section 19, of the California Constitution or the Fifth Amendment to the U.S. Constitution, and further including, without limitation, any Claims caused by the sole passive negligence or the concurrent negligent act, error or omission, whether active or passive, of County Parties. Responsible Party shall have no obligation, however, to defend or indemnify County Parties from a Claim if it is determined by a court of competent jurisdiction that such Claim was caused by the sole active negligence or willful misconduct of County Parties.

RESPONSIBLE PARTY SIGNATURE: ____________ DATED: Apr 18, 2023

B. SITE ASSESSMENT PROJECT NUMBER – IF APPLICABLE # N/A

C. CONSULTING FIRM Kleinfelder

Mailing Address 770 First Ave City San Diego State CA Zip 92101

Registered Professional Jake Lippman Phone 619-831-4677 Registration #9127 (PG)

E-mail jlippman@kleinfelder.com

Contact Person Jake Lippman Phone 619-831-4677 Email jlippman@kleinfelder.com

D. DRILLING COMPANY H&P Mobile Geochemistry C57# 920371

Contact Name Scott Mayfield E-mail scott.mayfield@handpmg.com

Mailing Address 2470 Impala Drive City Carlsbad State CA Zip 92010

Phone 760-804-9678 Ext._____

[1] Per San Diego County Code Section 67.402, the Responsible Party is any person who has, or who has contracted or otherwise caused to have, a monitoring well constructed, repaired, re-constructed or destroyed. Per this definition, the consultant and driller are not the Responsible Party. They are contracted by the Responsible Party.

E. CONSTRUCTION INFORMATION

TYPE OF WELLS/ BORINGS TO BE CONSTRUCTED	**MATERIALS TO BE USED**	**PROPOSED CONSTRUCTION**
# ☐ Groundwater ___ ☐ Vadose ___ ☒ Boring 4 ☐ Soil Vapor ___ ☐ Other ___ **NUMBER OF WELLS TO BE DESTROYED** ☐ Destruction ___	**CASING** **Not Applicable** X Type _____ Gauge_____ Diameter _____ Screen Size _____ Filter Pack _____ **SEAL/BORING BACKFILL** ☐ Neat Cement ☐ Cement & Bentonite ☐ Sand-Cement ☒ Bentonite ☐ Other Borehole diameter 1.5" **Drilling Method** ☐ Auger ☐ Air Rotary ☒ Direct Push ☐ Sonic ☐ Other _____ ☐ Percussion	Estimated Groundwater Depth: 7 ft. Estimated Depth of Boring: 9 ft. Concrete Seal: 0 to 1 Annular Seal: N/A Filter Pack: N/A Perforation: N/A **NOTE: Attach a well construction diagram**

I agree to comply with the requirements of the current Site Assessment and Mitigation Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

DRILLER'S SIGNATURE ______________________ DATE 4/7/23

Within 60 days of completion, I will furnish the Monitoring Well Permit Desk (858) 505-6688 with a complete well/boring log. I will certify the design and construction or destruction of the well/borings in accordance with the permit application.

PG/RCE/CEG SIGNATURE ______________________ DATE 4/18/23

F. SITE INFORMATION - A Property Owner Consent agreement is required for all applications, except for onsite, open LOP/SAM site assessment cases, Caltrans properties and military properties. Submit a separate sheet for additional parcels.

1. **ASSESSOR'S PARCEL NUMBER** 760-004-42-00

Site Name 4900 North Harbor Drive

Site Address 4900-4930 North Harbor Drive City San Diego Zip 92106

PROPERTY OWNER San Diego Unified Port District

Phone _____ Ext. _____ Fax _____

Mailing Address 2500 Shelter Island City San Diego State CA Zip 92106

NUMBER OF WELLS 4 Borings **TYPE OF WELLS** Soil BoringN

2. **ASSESSOR'S PARCEL NUMBER** _____

Site Address _____ City _____ Zip _____

PROPERTY OWNER _____

Phone _____ Ext. _____ Fax _____

Mailing Address _____ City _____ State _____ Zip _____

NUMBER OF WELLS _____ **TYPE OF WELLS** _____

G. QUESTIONNAIRE: Please answer all applicable questions completely *and submit any required supportive documentation*.

1. What is the purpose of the well/boring investigation?

☐ a. Part of an ongoing site assessment case in which a government regulator is the lead agency. If yes, indicate which government regulator is the lead agency and the case number.

☐ Department of Environmental Health _____

☐ Regional Water Quality Control Board _____

☐ Department of Toxic Substances Control _____

☐ b. Part of a Phase I investigation for property ownership transfer.

☐ c. Geotechnical investigation for proposed construction or land stabilization.

☒ d. Other: Part of a Phase II investigation to evaluate potential contamination.

2. If wells are to be destroyed, provide a description of method of destruction _____

3. Are you proposing a variation from current SAM Manual Requirements for the construction or destruction of borings, Vadose and/or Groundwater Monitoring Wells? If yes, specify these variations and include a well construction diagram and all required supporting documentation. Refer to the SAM Manual Appendix B for monitoring well guidelines. Yes ☐ No ☒

_____

County of San Diego

AMY HARBERT
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH & QUALITY
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
Phone: (858) 505-6688 or (800) 253-9933 Fax: (858) 505-6789
www.sdcdeh.org

HEATHER BUONOMO, REHS
DIRECTOR OF ENVIRONMENTAL HEALTH

PROPERTY OWNER CONSENT

Proposed locations for subsurface work:

Property Address:	**Assessor's Parcel Number (APN):**
4900-4930 North Harbor Drive	760-004-42-00
San Diego, CA 92106	_____

I, Paul Brown, owner of the property/properties listed above, give my permission to Kleinfelder (consulting company, contractor) to conduct the following work at the locations stated above.

☐ Install _____ monitoring wells ☐ Destroy _____ monitoring wells ☒ Drill 4 soil borings

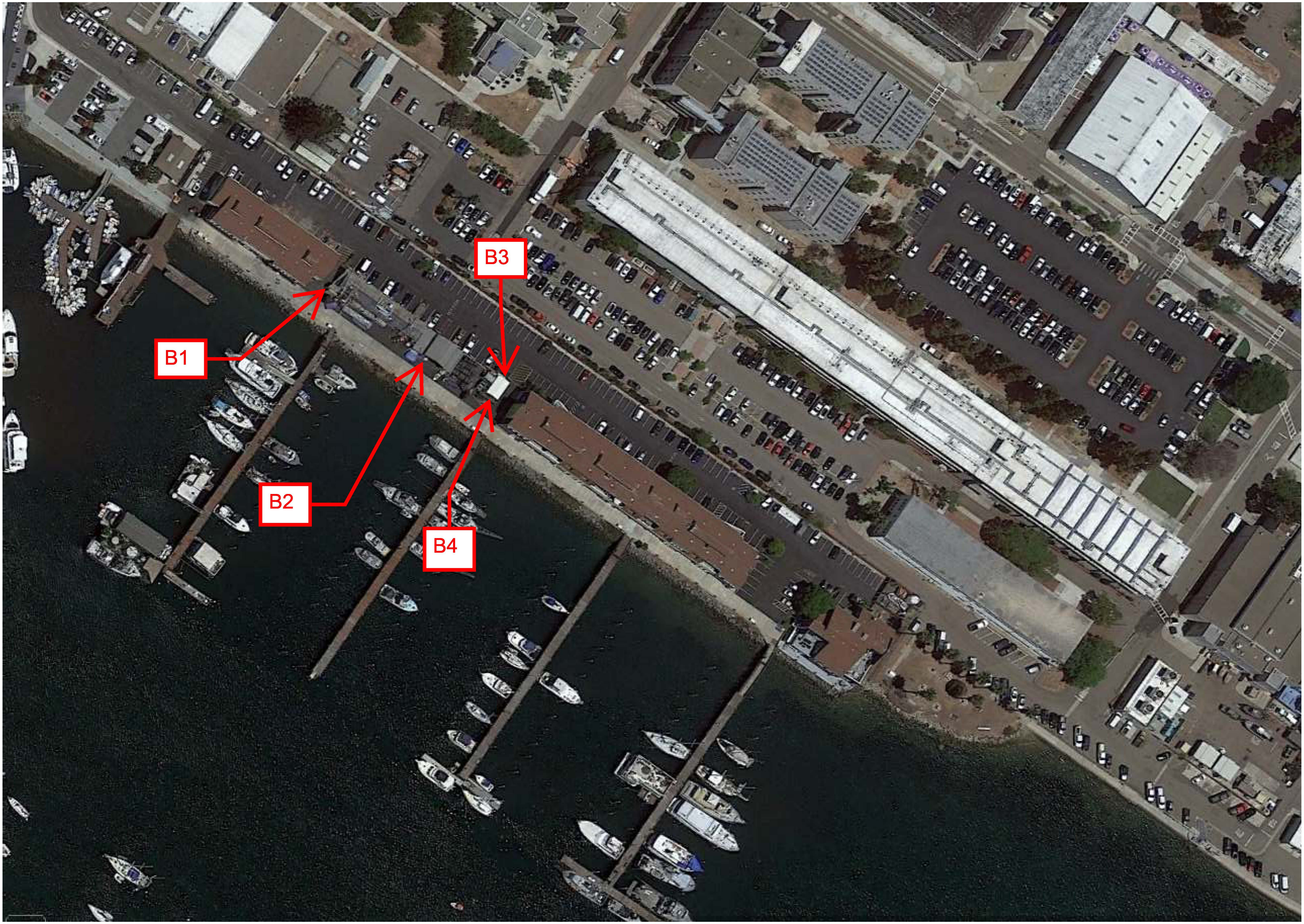
I understand that Jake Lippman (registered professional) of Kleinfelder (consulting company) and an authorized signer for H&P Mobile Geochemistry (drilling company) have submitted a signed application to the Department of Environmental Health & Quality (DEHQ) in which they have agreed to complete the above-stated work according the requirements of the current SAM Manual, all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction. I have arranged with the Responsible Party, the person who causes to have monitoring wells/borings installed or existing wells destroyed on this property, to ensure proper closure of the monitoring wells/borings.

Property Owner Signature: Paul Brown Date: Apr 11, 2023

Print Name: Paul Brown Title: Program Manager, Site Assessment & Hazardous Waste

Company: Port of San Diego

Mailing Address: PO Box 120488, San Diego, CA 92112-0488


B1
B2
B3
B4

ATTACHMENT C
LABORATORY ANALYTICAL REPORT

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number:	484619
Report Level:	II
Report Date:	05/30/2023

Analytical Report *prepared for:*

Jake Lippman
Kleinfelder
550 West C Street, Suite 1200
San Diego, CA 92101

Project: DRISCOLLS WHARF - Driscoll's Wharf, 20210261.011A

Authorized for release by:

Patty Mata, Project Manager
patty.mata@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Jake Lippman		Lab Job #:	484619
Kleinfelder		Project No:	DRISCOLLS WHARF
550 West C Street, Suite 1200		Location:	Driscoll's Wharf, 20210261.011A
San Diego, CA 92101		Date Received:	05/05/23

Sample ID	Lab ID	Collected	Matrix
B-1-0.5	484619-001	05/04/23 09:05	Soil
B-1-3.0	484619-002	05/04/23 09:14	Soil
B-1-8.0	484619-003	05/04/23 09:30	Soil
B-1-GW	484619-004	05/04/23 09:45	Water
B-2-0.5	484619-005	05/04/23 10:08	Soil
B-2-3.0	484619-006	05/04/23 10:12	Soil
B-2-7.0	484619-007	05/04/23 10:20	Soil
B-2-GW	484619-008	05/04/23 10:30	Water
B-3-0.5	484619-009	05/04/23 10:55	Soil
B-3-3.0	484619-010	05/04/23 11:00	Soil
B-3-7.0	484619-011	05/04/23 11:05	Soil
B-3-GW	484619-012	05/04/23 11:10	Water
B-4-0.5	484619-013	05/04/23 12:30	Soil
B-4-3.0	484619-014	05/04/23 12:35	Soil
B-4-8.0	484619-015	05/04/23 12:40	Soil
B-4-GW	484619-016	05/04/23 12:50	Water
OF-1	484619-017	05/04/23 16:00	Soil

Case Narrative

Kleinfelder		Lab Job Number:	484619
550 West C Street, Suite 1200		Project No:	DRISCOLLS WHARF
San Diego, CA 92101		Location:	Driscoll's Wharf, 20210261.011A
Jake Lippman		Date Received:	05/05/23

This data package contains sample and QC results for thirteen soil samples and four water samples, requested for the above referenced project on 05/05/23. The samples were received cold and intact.

TPH-Extractables by GC (EPA 8015B) Water:

- Lab numbers 484619-004, 484619-008, 484619-012 and 484619-016 were diluted due to the dark color of the sample extracts. Extract color and/or viscosity are used as indicators of possible matrix interference. Elevated reporting limits were due to the necessary dilution. The water TPH-DRO/ORO results were reported down to the MDLs in order to show lower limits.
- No other analytical problems were encountered.

TPH-Extractables by GC (EPA 8015M) Soil:

- B-1-3.0 (lab # 484619-002), B-3-7.0 (lab # 484619-011), and B-4-8.0 (lab # 484619-015) were diluted due to the dark color of the sample extracts. Extract color and/or viscosity are used as indicators of possible matrix interference. Elevated reporting limits were due to the necessary dilution.
- No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Water:
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Soil:
No analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM) Water:
No analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM) Soil:

- Responses exceeding the instrument's linear range were observed for nitrobenzene-d5, 2-fluorobiphenyl, and terphenyl-d14 in the method blank for batch 313474; affected data was qualified with "E".
- Lab numbers 484619-001, 484619-002, 484619-003 and 484619-006 were diluted due to the dark and viscous nature of the sample extracts. Extract color and/or viscosity are used as indicators of possible matrix interference. Elevated reporting limits were due to the necessary dilution.
- No other analytical problems were encountered.

PCBs (EPA 8082):
No analytical problems were encountered.

Metals (EPA 6010B and EPA 7470A) Water:

- Low recoveries were observed for antimony in the MS/MSD of B-1-GW (lab # 484619-004); the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A) Soil:

- Antimony RSD between exposures exceeds limit in the CCV analyzed 05/10/23 11:03; affected data was qualified with "b". Only the soil MS/MSD batch QC samples in batch 313440 were impacted. All associated soil sample results did not have Antimony detected at or above the RL.
- Low recoveries were observed for lead and antimony in the MS/MSD for batch 313849; the parent sample was not a project sample, the LCS was within limits, and the associated RPDs were within limits.
- Low recoveries were observed for antimony in the MS/MSD for batch 313440; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits. High recoveries were observed for copper; the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

Organic Tin (Organotin):

Eurofins Southwest in Tustin, CA performed the analysis (see sublab report section for certifications). Please see the Eurofins Southwest case narrative.

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Chain of Custody Record
Lab No: 484619
Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	KLEINFELDER	Quote #:	
Report To:	JAKE LIPPMAN	Proj. Name:	DRISCOLL'S WHARF
Email:	jlippman@kleinfelder.com	Proj. #:	20210261.011A
Address:	770 FIRST AVENUE, SUITE 400	P.O. #:	SAME
	SAN DIEGO, CA 92101	Address:	—
Phone:	619-348-8415	Global ID:	—
Fax:		Sampled By:	J. WILLIAMS/C. NOLAND

Analysis Request: PAHs - 8270; TPH-g - 8015B; TPH-d - 8015B; TPH-oil - 8015B; VOCs - 8260B; TITLE 22 METALS 6010B/7471A

Test Instructions / Comments: 3.0/10.5

#	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PAHs - 8270	TPH-g - 8015B	TPH-d - 8015B	TPH-oil - 8015B	VOCs - 8260B	TITLE 22 METALS 6010B/7471A
1	B-1-0.5	5/4/23	0905	S	2-4oz 1-8oz	N	X	X	X	X	X	X
2	B-1-3.0	↓	0914	S	↓	N	↓	↓	↓	↓	↓	↓
3	B-1-8.0	↓	0930	S	↓	N	↓	↓	↓	↓	↓	↓
4	B-1-GW	↓	0945	W	2-1L AMBER 1-POLY-5-VOAS	HCl HNO_3	↓	↓	↓	↓	↓	↓
5	B-2-0.5	↓	1008	S	2-4oz 1-8oz	N	↓	↓	↓	↓	↓	↓
6	B-2-3.0	↓	1012	S	↓	N	↓	↓	↓	↓	↓	↓
7	B-2-7.0	↓	1020	S	↓	N	↓	↓	↓	↓	↓	↓
8	B-2-GW	↓	1030	W	2-1L AMBER 1-POLY 5-VOAS	HCl HNO_3	↓	↓	↓	↓	↓	↓
9	B-3-0.5	↓	1055	S	1-8oz 1-4oz	N		↓	↓	↓	↓	↓
10	B-3-3.0	↓	1100	S	↓	N		↓	↓	↓	↓	↓

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	Chris Noland	Kleinfelder / Geologist	5/5/23 8:39
1 Received By:	[signature]	MICHAEL TANWANGCO	EA SD	MJT 5.05.23 8:39
2 Relinquished By:	[signature]	MICHAEL TANWANGCO	EA - SD	05.05.23 1300
2 Received By:	[signature]	Alex Cota	EA SD	05/05/23 1300
3 Relinquished By:	[signature]	Alex Cota	EAOC	05/05/23 1820
3 Received By:	[signature]	Annabella Snellens	EA	5/5/23 1820

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 484619

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	KLEINFELDER	Quote #:	
Report To:	JAKE LIPPMAN	Proj. Name:	DRISCOLL'S WHARF
Email:	jlippman@kleinfelder.com	Proj. #:	20210261.011A
Address:	770 FIRST AVENUE, SUITE 400	P.O. #:	SAME
	SAN DIEGO, CA 92101	Address:	—
Phone:	619-348-8415	Global ID:	—
Fax:		Sampled By:	J. WILLIAMS / C. NOLAND

Analysis Request

#	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PAHs - 8270	TPH-g - 8015B	TPH-d - 8015B	TPH-oil - 8015B	VOCs - 8260B	TITLE 22 METALS - 6010B/7471A	ORGANOTINS EC SOP-M422	PCBS - 8082A
1	B-3-7.0	5/4/23	1105	S	1-8oz 1-4oz	N		X	X	X	X	X		
2	B-3-GW		1110	W	1L AMBER 1 POLY 5 VOAS	HCl HNO3								
3	B-4-0.5		1230	S	1-8oz 1-4oz	N								
4	B-4-3.0		1235	S	1-8oz 1-4oz	N								
5	B-4-8.0		1240	S	1-8oz 1-4oz	N								
6	B-4-GW		1250	W	1L AMBER 1 POLY 5 VOAS	HCl HNO3								
7	OF-1		1600	SD	2-8oz 2-4oz	N	X						X	X
8														
9				CAN										
10				5/4/23										

Test Instructions / Comments

3.0/10.5

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	Chris Noland	Kleinfelder / Geologist	5/5/23 8:39
1 Received By:	[signature]	MICHAEL TANWANGCO	EA-SD	5-5-23 8:39
2 Relinquished By:	[signature]	MICHAEL TANWANGCO	EA-SD	5-5-23 1300
2 Received By:	[signature]	Alex Cok	EASD	5/5/23 13:00
3 Relinquished By:	[signature]	Alex Cok	EA OC	5/5/23 18:00
3 Received By:	[signature]	Angelou Sunderman	EA	5/5/23 18:00

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Kleinfelder　　　Project: Driscolls Wharf

Date Received: 5/5/23　　　Sampler's Name Present: ☒ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☒ Yes, How many? 1　☐ No (skip section 2)　　Sample Temp (°C) (No Cooler): ______

Sample Temp (°C), One from each cooler: #1: 10.5 #2: ______ #3: ______ #4: ______

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: ______

Section 3

Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other ______

Cooler Temp (°C): #1: 5.0 #2: ______ #3: ______ #4: ______

Section 4	YES	NO	N/A
Was a COC received?	X		
Are sample IDs present?	X		
Are sampling dates & times present?	X		
Is a relinquished signature present?	X		
Are the tests required clearly indicated on the COC?	X		
Are custody seals present?		X	
If custody seals are present, were they intact?			X
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			X
Did all samples arrive intact? If no, indicate in Section 4 below.	X		
Did all bottle labels agree with COC? (ID, dates and times)	X		
Were the samples collected in the correct containers for the required tests?	X		
Are the containers labeled with the correct preservatives?	X		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?		X	
Was a sufficient amount of sample submitted for the requested tests?	X		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal　PM Initials: ______ Date/Time ______
☐ Email　(email sent to/on): ______ / ______

Project Manager's response:

Completed By: [signature]　　Date: 5/5/23

Enthalpy Analytical, a subsidiary of Montrose Environmental Group ,Inc.
931 W. Barkley Ave, Orange, CA 92868 • T: (714) 771-6900 • F: (714) 538-1209
www.enthalpy.com/socal
Sample Acceptance Checklist – Rev 4, 8/8/2017

Analysis Results for 484619

Jake Lippman	Lab Job #: 484619
Kleinfelder	Project No: DRISCOLLS WHARF
550 West C Street, Suite 1200	Location: Driscoll's Wharf, 20210261.011A
San Diego, CA 92101	Date Received: 05/05/23

Sample ID: B-1-0.5	Lab ID: 484619-001	Collected: 05/04/23 09:05
	Matrix: Soil	

484619-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9		0.98	313440	05/08/23	05/10/23	SBW
Arsenic	**4.4**		mg/Kg	0.98		0.98	313440	05/08/23	05/10/23	SBW
Barium	**41**		mg/Kg	0.98		0.98	313440	05/08/23	05/10/23	SBW
Beryllium	**0.51**		mg/Kg	0.49		0.98	313440	05/08/23	05/10/23	SBW
Cadmium	ND		mg/Kg	0.49		0.98	313440	05/08/23	05/10/23	SBW
Chromium	**24**		mg/Kg	0.98		0.98	313440	05/08/23	05/10/23	SBW
Cobalt	**10**		mg/Kg	0.49		0.98	313440	05/08/23	05/10/23	SBW
Copper	**8.0**		mg/Kg	0.98		0.98	313440	05/08/23	05/10/23	SBW
Lead	**6.8**		mg/Kg	0.98		0.98	313440	05/08/23	05/10/23	SBW
Molybdenum	**1.3**		mg/Kg	0.98		0.98	313440	05/08/23	05/10/23	SBW
Nickel	**11**		mg/Kg	0.98		0.98	313440	05/08/23	05/10/23	SBW
Selenium	ND		mg/Kg	2.9		0.98	313440	05/08/23	05/10/23	SBW
Silver	ND		mg/Kg	0.49		0.98	313440	05/08/23	05/10/23	SBW
Thallium	ND		mg/Kg	2.9		0.98	313440	05/08/23	05/10/23	SBW
Vanadium	**53**		mg/Kg	0.98		0.98	313440	05/08/23	05/10/23	SBW
Zinc	**41**		mg/Kg	4.9		0.98	313440	05/08/23	05/10/23	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.15		1.1	313608	05/11/23	05/11/23	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	9.9		0.99	313536	05/09/23	05/11/23	SME
DRO C10-C28	**14**		mg/Kg	9.9		0.99	313536	05/09/23	05/11/23	SME
ORO C28-C44	**26**		mg/Kg	20		0.99	313536	05/09/23	05/11/23	SME
Surrogates				**Limits**						
n-Triacontane	75%		%REC	70-130		0.99	313536	05/09/23	05/11/23	SME
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10		1	313392	05/08/23	05/08/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Freon 12	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Chloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Vinyl Chloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromomethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Chloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Trichlorofluoromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Acetone	ND		ug/Kg	100		1	313392	05/08/23	05/08/23	EJB
Freon 113	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Methylene Chloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
MTBE	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1-Dichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
2-Butanone	ND		ug/Kg	100		1	313392	05/08/23	05/08/23	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
2,2-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Chloroform	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromochloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1,1-Trichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Carbon Tetrachloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Benzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Trichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromodichloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Dibromomethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	8.1		1	313392	05/08/23	05/08/23	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Toluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1,2-Trichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,3-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Tetrachloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Dibromochloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dibromoethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Chlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Ethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
m,p-Xylenes	ND		ug/Kg	10		1	313392	05/08/23	05/08/23	EJB
o-Xylene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Styrene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromoform	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Isopropylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2,3-Trichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Propylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
2-Chlorotoluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
4-Chlorotoluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
tert-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
sec-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
para-Isopropyl Toluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,3-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,4-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
n-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Hexachlorobutadiene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Naphthalene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Xylene (total)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Surrogates				**Limits**						
Dibromofluoromethane	96%		%REC	70-145		1	313392	05/08/23	05/08/23	EJB
1,2-Dichloroethane-d4	100%		%REC	70-145		1	313392	05/08/23	05/08/23	EJB
Toluene-d8	97%		%REC	70-145		1	313392	05/08/23	05/08/23	EJB
Bromofluorobenzene	102%		%REC	70-145		1	313392	05/08/23	05/08/23	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3546

Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1-Methylnaphthalene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
2-Methylnaphthalene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Naphthalene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Acenaphthylene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Acenaphthene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Fluorene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Phenanthrene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Anthracene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Fluoranthene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Pyrene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(a)anthracene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Chrysene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(b)fluoranthene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(k)fluoranthene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(a)pyrene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Dibenz(a,h)anthracene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(g,h,i)perylene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Surrogates				**Limits**						
Nitrobenzene-d5	71%		%REC	27-125		5	313474	05/09/23	05/09/23	VTN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

484619-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
2-Fluorobiphenyl	73%		%REC	30-120		5	313474	05/09/23	05/09/23	VTN
Terphenyl-d14	78%		%REC	33-155		5	313474	05/09/23	05/09/23	VTN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

Sample ID: B-1-3.0	Lab ID: 484619-002	Collected: 05/04/23 09:14
	Matrix: Soil	

484619-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9		0.97	313440	05/08/23	05/10/23	SBW
Arsenic	**1.9**		mg/Kg	0.97		0.97	313440	05/08/23	05/10/23	SBW
Barium	**77**		mg/Kg	0.97		0.97	313440	05/08/23	05/10/23	SBW
Beryllium	ND		mg/Kg	0.49		0.97	313440	05/08/23	05/10/23	SBW
Cadmium	ND		mg/Kg	0.49		0.97	313440	05/08/23	05/10/23	SBW
Chromium	**16**		mg/Kg	0.97		0.97	313440	05/08/23	05/10/23	SBW
Cobalt	**6.0**		mg/Kg	0.49		0.97	313440	05/08/23	05/10/23	SBW
Copper	**48**		mg/Kg	0.97		0.97	313440	05/08/23	05/10/23	SBW
Lead	**12**		mg/Kg	0.97		0.97	313440	05/08/23	05/10/23	SBW
Molybdenum	**0.98**		mg/Kg	0.97		0.97	313440	05/08/23	05/10/23	SBW
Nickel	**5.9**		mg/Kg	0.97		0.97	313440	05/08/23	05/10/23	SBW
Selenium	ND		mg/Kg	2.9		0.97	313440	05/08/23	05/10/23	SBW
Silver	ND		mg/Kg	0.49		0.97	313440	05/08/23	05/10/23	SBW
Thallium	ND		mg/Kg	2.9		0.97	313440	05/08/23	05/10/23	SBW
Vanadium	**49**		mg/Kg	0.97		0.97	313440	05/08/23	05/10/23	SBW
Zinc	**42**		mg/Kg	4.9		0.97	313440	05/08/23	05/10/23	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.23**		mg/Kg	0.15		1.1	313608	05/11/23	05/11/23	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	20		2	313536	05/09/23	05/11/23	SME
DRO C10-C28	**48**		mg/Kg	20		2	313536	05/09/23	05/11/23	SME
ORO C28-C44	**75**		mg/Kg	40		2	313536	05/09/23	05/11/23	SME
Surrogates				**Limits**						
n-Triacontane	74%		%REC	70-130		2	313536	05/09/23	05/11/23	SME
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10		1	313392	05/08/23	05/08/23	EJB
Freon 12	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Chloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Vinyl Chloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromomethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Chloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Trichlorofluoromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Acetone	ND		ug/Kg	100		1	313392	05/08/23	05/08/23	EJB
Freon 113	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Methylene Chloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
MTBE	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1-Dichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
2-Butanone	ND		ug/Kg	100		1	313392	05/08/23	05/08/23	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
2,2-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Chloroform	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromochloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1,1-Trichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Carbon Tetrachloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Benzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Trichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromodichloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Dibromomethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	8.1		1	313392	05/08/23	05/08/23	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Toluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1,2-Trichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,3-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Tetrachloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Dibromochloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dibromoethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Chlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Ethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
m,p-Xylenes	ND		ug/Kg	10		1	313392	05/08/23	05/08/23	EJB
o-Xylene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Styrene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromoform	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Isopropylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2,3-Trichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Propylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
2-Chlorotoluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
4-Chlorotoluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
tert-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
sec-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
para-Isopropyl Toluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,3-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,4-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
n-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Hexachlorobutadiene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Naphthalene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Xylene (total)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Surrogates				**Limits**						
Dibromofluoromethane	94%		%REC	70-145		1	313392	05/08/23	05/08/23	EJB
1,2-Dichloroethane-d4	99%		%REC	70-145		1	313392	05/08/23	05/08/23	EJB
Toluene-d8	103%		%REC	70-145		1	313392	05/08/23	05/08/23	EJB
Bromofluorobenzene	111%		%REC	70-145		1	313392	05/08/23	05/08/23	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3546

Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1-Methylnaphthalene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
2-Methylnaphthalene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Naphthalene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Acenaphthylene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Acenaphthene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Fluorene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Phenanthrene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Anthracene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Fluoranthene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Pyrene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(a)anthracene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Chrysene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(b)fluoranthene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(k)fluoranthene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(a)pyrene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Dibenz(a,h)anthracene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(g,h,i)perylene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Surrogates				**Limits**						
Nitrobenzene-d5	62%		%REC	27-125		5	313474	05/09/23	05/09/23	VTN
2-Fluorobiphenyl	62%		%REC	30-120		5	313474	05/09/23	05/09/23	VTN
Terphenyl-d14	66%		%REC	33-155		5	313474	05/09/23	05/09/23	VTN

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

Sample ID: B-1-8.0	Lab ID: 484619-003	Collected: 05/04/23 09:30
	Matrix: Soil	

484619-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0		1	313440	05/08/23	05/10/23	SBW
Arsenic	**2.1**		mg/Kg	1.0		1	313440	05/08/23	05/10/23	SBW
Barium	**56**		mg/Kg	1.0		1	313440	05/08/23	05/10/23	SBW
Beryllium	ND		mg/Kg	0.50		1	313440	05/08/23	05/10/23	SBW
Cadmium	ND		mg/Kg	0.50		1	313440	05/08/23	05/10/23	SBW
Chromium	**15**		mg/Kg	1.0		1	313440	05/08/23	05/10/23	SBW
Cobalt	**5.1**		mg/Kg	0.50		1	313440	05/08/23	05/10/23	SBW
Copper	**12**		mg/Kg	1.0		1	313440	05/08/23	05/10/23	SBW
Lead	**15**		mg/Kg	1.0		1	313440	05/08/23	05/10/23	SBW
Molybdenum	ND		mg/Kg	1.0		1	313440	05/08/23	05/10/23	SBW
Nickel	**6.4**		mg/Kg	1.0		1	313440	05/08/23	05/10/23	SBW
Selenium	ND		mg/Kg	3.0		1	313440	05/08/23	05/10/23	SBW
Silver	ND		mg/Kg	0.50		1	313440	05/08/23	05/10/23	SBW
Thallium	ND		mg/Kg	3.0		1	313440	05/08/23	05/10/23	SBW
Vanadium	**30**		mg/Kg	1.0		1	313440	05/08/23	05/10/23	SBW
Zinc	**47**		mg/Kg	5.0		1	313440	05/08/23	05/10/23	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.17		1.2	313608	05/11/23	05/11/23	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	10		1	313536	05/09/23	05/12/23	SME
DRO C10-C28	ND		mg/Kg	10		1	313536	05/09/23	05/12/23	SME
ORO C28-C44	ND		mg/Kg	20		1	313536	05/09/23	05/12/23	SME
Surrogates				**Limits**						
n-Triacontane	80%		%REC	70-130		1	313536	05/09/23	05/12/23	SME
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10		1	313392	05/08/23	05/08/23	EJB
Freon 12	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Chloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Vinyl Chloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromomethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Chloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Trichlorofluoromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Acetone	ND		ug/Kg	100		1	313392	05/08/23	05/08/23	EJB
Freon 113	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Methylene Chloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
MTBE	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1-Dichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
2-Butanone	ND		ug/Kg	100		1	313392	05/08/23	05/08/23	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
2,2-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Chloroform	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromochloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1,1-Trichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Carbon Tetrachloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Benzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Trichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromodichloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Dibromomethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	8.1		1	313392	05/08/23	05/08/23	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Toluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1,2-Trichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,3-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Tetrachloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Dibromochloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dibromoethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Chlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Ethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
m,p-Xylenes	ND		ug/Kg	10		1	313392	05/08/23	05/08/23	EJB
o-Xylene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Styrene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromoform	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Isopropylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2,3-Trichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Propylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
2-Chlorotoluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
4-Chlorotoluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

484619-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
tert-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
sec-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
para-Isopropyl Toluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,3-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,4-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
n-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Hexachlorobutadiene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Naphthalene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Xylene (total)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Surrogates				**Limits**						
Dibromofluoromethane	98%		%REC	70-145		1	313392	05/08/23	05/08/23	EJB
1,2-Dichloroethane-d4	102%		%REC	70-145		1	313392	05/08/23	05/08/23	EJB
Toluene-d8	100%		%REC	70-145		1	313392	05/08/23	05/08/23	EJB
Bromofluorobenzene	99%		%REC	70-145		1	313392	05/08/23	05/08/23	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3546

Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1-Methylnaphthalene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
2-Methylnaphthalene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Naphthalene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Acenaphthylene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Acenaphthene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Fluorene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Phenanthrene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Anthracene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Fluoranthene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Pyrene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(a)anthracene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Chrysene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(b)fluoranthene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(k)fluoranthene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(a)pyrene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Dibenz(a,h)anthracene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(g,h,i)perylene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Surrogates				**Limits**						
Nitrobenzene-d5	56%		%REC	27-125		5	313474	05/09/23	05/09/23	VTN
2-Fluorobiphenyl	55%		%REC	30-120		5	313474	05/09/23	05/09/23	VTN
Terphenyl-d14	59%		%REC	33-155		5	313474	05/09/23	05/09/23	VTN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

Sample ID: B-1-GW	Lab ID: 484619-004	Collected: 05/04/23 09:45
	Matrix: Water	

484619-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3010A										
Antimony	ND		mg/L	0.030		1	313422	05/08/23	05/08/23	SBW
Arsenic	**0.17**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Barium	**3.7**		mg/L	0.010		1	313422	05/08/23	05/09/23	SBW
Beryllium	**0.0081**		mg/L	0.0050		1	313422	05/08/23	05/09/23	SBW
Cadmium	ND		mg/L	0.0050		1	313422	05/08/23	05/08/23	SBW
Chromium	**0.72**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Cobalt	**0.16**		mg/L	0.0050		1	313422	05/08/23	05/08/23	SBW
Copper	**2.3**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Lead	**1.0**		mg/L	0.010		1	313422	05/08/23	05/09/23	SBW
Molybdenum	**0.045**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Nickel	**0.26**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Selenium	ND		mg/L	0.030		1	313422	05/08/23	05/08/23	SBW
Silver	ND		mg/L	0.0050		1	313422	05/08/23	05/08/23	SBW
Thallium	ND		mg/L	0.030		1	313422	05/08/23	05/08/23	SBW
Vanadium	**1.3**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Zinc	**3.6**		mg/L	0.050		1	313422	05/08/23	05/09/23	SBW
Method: EPA 7470A Prep Method: METHOD										
Mercury	**0.97**		ug/L	0.40		1	313809	05/12/23	05/12/23	KAM
Method: EPA 8015B Prep Method: EPA 3510C										
TPH (C13-C28)	ND		mg/L	0.94	0.44	9.4	313344	05/07/23	05/08/23	BJG
TPH (C29-C44)	**0.97**	J	mg/L	2.8	0.44	9.4	313344	05/07/23	05/08/23	BJG
Surrogates				Limits						
n-Triacontane		DO	%REC	35-130		9.4	313344	05/07/23	05/08/23	BJG
Method: EPA 8260B Prep Method: EPA 5030B										
TPH Gasoline	ND		ug/L	50		1	313475	05/09/23	05/09/23	EJB
Isopropyl Ether (DIPE)	ND		ug/L	1.0		1	313475	05/09/23	05/09/23	EJB
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0		1	313475	05/09/23	05/09/23	EJB
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0		1	313475	05/09/23	05/09/23	EJB
tert-Butyl Alcohol (TBA)	ND		ug/L	10		1	313475	05/09/23	05/09/23	EJB
3-Chloropropene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Freon 12	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Chloromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Vinyl Chloride	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromomethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Chloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Trichlorofluoromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Acetone	ND		ug/L	100		1	313475	05/09/23	05/09/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Freon 113	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1-Dichloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Methylene Chloride	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
MTBE	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1-Dichloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
2-Butanone	ND		ug/L	100		1	313475	05/09/23	05/09/23	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
2,2-Dichloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Chloroform	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromochloromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1-Dichloropropene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Carbon Tetrachloride	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dichloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Benzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Trichloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dichloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromodichloromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Dibromomethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Toluene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,3-Dichloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Tetrachloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Dibromochloromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dibromoethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Chlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Ethylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
m,p-Xylenes	ND		ug/L	10		1	313475	05/09/23	05/09/23	EJB
o-Xylene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Styrene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromoform	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Isopropylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Propylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
2-Chlorotoluene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
4-Chlorotoluene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
tert-Butylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
sec-Butylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
para-Isopropyl Toluene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
n-Butylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Hexachlorobutadiene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Naphthalene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Xylene (total)	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Surrogates				**Limits**						
Dibromofluoromethane	99%		%REC	70-130		1	313475	05/09/23	05/09/23	EJB
1,2-Dichloroethane-d4	100%		%REC	70-130		1	313475	05/09/23	05/09/23	EJB
Toluene-d8	103%		%REC	70-130		1	313475	05/09/23	05/09/23	EJB
Bromofluorobenzene	95%		%REC	70-130		1	313475	05/09/23	05/09/23	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3510C

Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1-Methylnaphthalene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
2-Methylnaphthalene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Naphthalene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Acenaphthylene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Acenaphthene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Fluorene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Phenanthrene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Anthracene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Fluoranthene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Pyrene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Benzo(a)anthracene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Chrysene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Benzo(b)fluoranthene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Benzo(k)fluoranthene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Benzo(a)pyrene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Dibenz(a,h)anthracene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Benzo(g,h,i)perylene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Surrogates				**Limits**						
Nitrobenzene-d5	81%		%REC	16-125		1	313415	05/08/23	05/09/23	VTN
2-Fluorobiphenyl	70%		%REC	17-120		1	313415	05/08/23	05/09/23	VTN
Terphenyl-d14	89%		%REC	39-123		1	313415	05/08/23	05/09/23	VTN

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

Sample ID: B-2-0.5	Lab ID: 484619-005	Collected: 05/04/23 10:08
	Matrix: Soil	

484619-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9		0.97	313440	05/08/23	05/10/23	SBW
Arsenic	**4.3**		mg/Kg	0.97		0.97	313440	05/08/23	05/10/23	SBW
Barium	**100**		mg/Kg	0.97		0.97	313440	05/08/23	05/10/23	SBW
Beryllium	ND		mg/Kg	0.49		0.97	313440	05/08/23	05/10/23	SBW
Cadmium	ND		mg/Kg	0.49		0.97	313440	05/08/23	05/10/23	SBW
Chromium	**22**		mg/Kg	0.97		0.97	313440	05/08/23	05/10/23	SBW
Cobalt	**6.5**		mg/Kg	0.49		0.97	313440	05/08/23	05/10/23	SBW
Copper	**10**		mg/Kg	0.97		0.97	313440	05/08/23	05/10/23	SBW
Lead	**3.8**		mg/Kg	0.97		0.97	313440	05/08/23	05/10/23	SBW
Molybdenum	ND		mg/Kg	0.97		0.97	313440	05/08/23	05/10/23	SBW
Nickel	**8.3**		mg/Kg	0.97		0.97	313440	05/08/23	05/10/23	SBW
Selenium	ND		mg/Kg	2.9		0.97	313440	05/08/23	05/10/23	SBW
Silver	ND		mg/Kg	0.49		0.97	313440	05/08/23	05/10/23	SBW
Thallium	ND		mg/Kg	2.9		0.97	313440	05/08/23	05/10/23	SBW
Vanadium	**46**		mg/Kg	0.97		0.97	313440	05/08/23	05/10/23	SBW
Zinc	**43**		mg/Kg	4.9		0.97	313440	05/08/23	05/10/23	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.16		1.1	313608	05/11/23	05/11/23	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	10		1	313536	05/09/23	05/12/23	SME
DRO C10-C28	ND		mg/Kg	10		1	313536	05/09/23	05/12/23	SME
ORO C28-C44	ND		mg/Kg	20		1	313536	05/09/23	05/12/23	SME
Surrogates				**Limits**						
n-Triacontane	82%		%REC	70-130		1	313536	05/09/23	05/12/23	SME
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10		1	313392	05/08/23	05/08/23	EJB
Freon 12	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Chloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Vinyl Chloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromomethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Chloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Trichlorofluoromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Acetone	ND		ug/Kg	100		1	313392	05/08/23	05/08/23	EJB
Freon 113	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Methylene Chloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
MTBE	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1-Dichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
2-Butanone	ND		ug/Kg	100		1	313392	05/08/23	05/08/23	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
2,2-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Chloroform	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromochloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1,1-Trichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Carbon Tetrachloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Benzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Trichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromodichloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Dibromomethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	8.1		1	313392	05/08/23	05/08/23	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Toluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1,2-Trichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,3-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Tetrachloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Dibromochloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dibromoethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Chlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Ethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
m,p-Xylenes	ND		ug/Kg	10		1	313392	05/08/23	05/08/23	EJB
o-Xylene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Styrene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromoform	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Isopropylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2,3-Trichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Propylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
2-Chlorotoluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
4-Chlorotoluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
tert-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
sec-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
para-Isopropyl Toluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,3-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,4-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
n-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Hexachlorobutadiene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Naphthalene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Xylene (total)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Surrogates				**Limits**						
Dibromofluoromethane	96%		%REC	70-145		1	313392	05/08/23	05/08/23	EJB
1,2-Dichloroethane-d4	99%		%REC	70-145		1	313392	05/08/23	05/08/23	EJB
Toluene-d8	99%		%REC	70-145		1	313392	05/08/23	05/08/23	EJB
Bromofluorobenzene	98%		%REC	70-145		1	313392	05/08/23	05/08/23	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3546

Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1-Methylnaphthalene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
2-Methylnaphthalene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Naphthalene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Acenaphthylene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Acenaphthene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Fluorene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Phenanthrene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Anthracene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Fluoranthene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Pyrene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Benzo(a)anthracene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Chrysene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Benzo(b)fluoranthene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Benzo(k)fluoranthene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Benzo(a)pyrene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Dibenz(a,h)anthracene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Benzo(g,h,i)perylene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Surrogates				**Limits**						
Nitrobenzene-d5	70%		%REC	27-125		1	313474	05/09/23	05/09/23	VTN
2-Fluorobiphenyl	68%		%REC	30-120		1	313474	05/09/23	05/09/23	VTN
Terphenyl-d14	71%		%REC	33-155		1	313474	05/09/23	05/09/23	VTN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

Sample ID: B-2-3.0	Lab ID: 484619-006	Collected: 05/04/23 10:12
	Matrix: Soil	

484619-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9		0.96	313440	05/08/23	05/10/23	SBW
Arsenic	**3.2**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Barium	**73**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Beryllium	ND		mg/Kg	0.48		0.96	313440	05/08/23	05/10/23	SBW
Cadmium	ND		mg/Kg	0.48		0.96	313440	05/08/23	05/10/23	SBW
Chromium	**15**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Cobalt	**5.4**		mg/Kg	0.48		0.96	313440	05/08/23	05/10/23	SBW
Copper	**12**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Lead	**20**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Molybdenum	ND		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Nickel	**6.6**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Selenium	ND		mg/Kg	2.9		0.96	313440	05/08/23	05/10/23	SBW
Silver	ND		mg/Kg	0.48		0.96	313440	05/08/23	05/10/23	SBW
Thallium	ND		mg/Kg	2.9		0.96	313440	05/08/23	05/10/23	SBW
Vanadium	**37**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Zinc	**42**		mg/Kg	4.8		0.96	313440	05/08/23	05/10/23	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.16		1.1	313608	05/11/23	05/11/23	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	9.9		0.99	313536	05/09/23	05/12/23	SME
DRO C10-C28	**18**		mg/Kg	9.9		0.99	313536	05/09/23	05/12/23	SME
ORO C28-C44	**36**		mg/Kg	20		0.99	313536	05/09/23	05/12/23	SME
Surrogates				**Limits**						
n-Triacontane	76%		%REC	70-130		0.99	313536	05/09/23	05/12/23	SME
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10		1	313392	05/08/23	05/08/23	LYZ
Freon 12	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Chloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Bromomethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Chloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Trichlorofluoromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Acetone	ND		ug/Kg	100		1	313392	05/08/23	05/08/23	LYZ
Freon 113	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Methylene Chloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
MTBE	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
2-Butanone	ND		ug/Kg	100		1	313392	05/08/23	05/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Chloroform	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Bromochloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Benzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Trichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Dibromomethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	8.1		1	313392	05/08/23	05/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Toluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Chlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Ethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
m,p-Xylenes	ND		ug/Kg	10		1	313392	05/08/23	05/08/23	LYZ
o-Xylene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Styrene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Bromoform	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Isopropylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Propylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Bromobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
tert-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Naphthalene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Xylene (total)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	100%		%REC	70-145		1	313392	05/08/23	05/08/23	LYZ
1,2-Dichloroethane-d4	102%		%REC	70-145		1	313392	05/08/23	05/08/23	LYZ
Toluene-d8	107%		%REC	70-145		1	313392	05/08/23	05/08/23	LYZ
Bromofluorobenzene	104%		%REC	70-145		1	313392	05/08/23	05/08/23	LYZ

Method: EPA 8270C-SIM
Prep Method: EPA 3546

1-Methylnaphthalene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
2-Methylnaphthalene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Naphthalene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Acenaphthylene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Acenaphthene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Fluorene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Phenanthrene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Anthracene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Fluoranthene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Pyrene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(a)anthracene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Chrysene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(b)fluoranthene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(k)fluoranthene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(a)pyrene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Dibenz(a,h)anthracene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(g,h,i)perylene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Surrogates				**Limits**						
Nitrobenzene-d5	54%		%REC	27-125		5	313474	05/09/23	05/09/23	VTN
2-Fluorobiphenyl	57%		%REC	30-120		5	313474	05/09/23	05/09/23	VTN
Terphenyl-d14	58%		%REC	33-155		5	313474	05/09/23	05/09/23	VTN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

Sample ID: B-2-7.0	Lab ID: 484619-007	Collected: 05/04/23 10:20
	Matrix: Soil	

484619-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0		1	313440	05/08/23	05/10/23	SBW
Arsenic	**4.5**		mg/Kg	1.0		1	313440	05/08/23	05/10/23	SBW
Barium	**77**		mg/Kg	1.0		1	313440	05/08/23	05/10/23	SBW
Beryllium	ND		mg/Kg	0.50		1	313440	05/08/23	05/10/23	SBW
Cadmium	ND		mg/Kg	0.50		1	313440	05/08/23	05/10/23	SBW
Chromium	**11**		mg/Kg	1.0		1	313440	05/08/23	05/10/23	SBW
Cobalt	**3.6**		mg/Kg	0.50		1	313440	05/08/23	05/10/23	SBW
Copper	**8.5**		mg/Kg	1.0		1	313440	05/08/23	05/10/23	SBW
Lead	**9.4**		mg/Kg	1.0		1	313440	05/08/23	05/10/23	SBW
Molybdenum	ND		mg/Kg	1.0		1	313440	05/08/23	05/10/23	SBW
Nickel	**4.0**		mg/Kg	1.0		1	313440	05/08/23	05/10/23	SBW
Selenium	ND		mg/Kg	3.0		1	313440	05/08/23	05/10/23	SBW
Silver	ND		mg/Kg	0.50		1	313440	05/08/23	05/10/23	SBW
Thallium	ND		mg/Kg	3.0		1	313440	05/08/23	05/10/23	SBW
Vanadium	**28**		mg/Kg	1.0		1	313440	05/08/23	05/10/23	SBW
Zinc	**47**		mg/Kg	5.0		1	313440	05/08/23	05/10/23	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.15		1.1	313608	05/11/23	05/11/23	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	10		1	313536	05/09/23	05/12/23	SME
DRO C10-C28	ND		mg/Kg	10		1	313536	05/09/23	05/12/23	SME
ORO C28-C44	ND		mg/Kg	20		1	313536	05/09/23	05/12/23	SME
Surrogates				**Limits**						
n-Triacontane	82%		%REC	70-130		1	313536	05/09/23	05/12/23	SME
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10		1	313392	05/08/23	05/08/23	LYZ
Freon 12	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Chloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Bromomethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Chloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

484619-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Trichlorofluoromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Acetone	ND		ug/Kg	100		1	313392	05/08/23	05/08/23	LYZ
Freon 113	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Methylene Chloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
MTBE	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
2-Butanone	ND		ug/Kg	100		1	313392	05/08/23	05/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Chloroform	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Bromochloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Benzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Trichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Dibromomethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	8.1		1	313392	05/08/23	05/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Toluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Chlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Ethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
m,p-Xylenes	ND		ug/Kg	10		1	313392	05/08/23	05/08/23	LYZ
o-Xylene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Styrene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Bromoform	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Isopropylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Propylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Bromobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

484619-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
tert-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Naphthalene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Xylene (total)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	97%		%REC	70-145		1	313392	05/08/23	05/08/23	LYZ
1,2-Dichloroethane-d4	98%		%REC	70-145		1	313392	05/08/23	05/08/23	LYZ
Toluene-d8	102%		%REC	70-145		1	313392	05/08/23	05/08/23	LYZ
Bromofluorobenzene	100%		%REC	70-145		1	313392	05/08/23	05/08/23	LYZ

Method: EPA 8270C-SIM
Prep Method: EPA 3546

1-Methylnaphthalene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
2-Methylnaphthalene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Naphthalene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Acenaphthylene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Acenaphthene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Fluorene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Phenanthrene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Anthracene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Fluoranthene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Pyrene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Benzo(a)anthracene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Chrysene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Benzo(b)fluoranthene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Benzo(k)fluoranthene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Benzo(a)pyrene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Dibenz(a,h)anthracene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Benzo(g,h,i)perylene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Surrogates				**Limits**						
Nitrobenzene-d5	72%		%REC	27-125		0.99	313474	05/09/23	05/10/23	VTN
2-Fluorobiphenyl	69%		%REC	30-120		0.99	313474	05/09/23	05/10/23	VTN
Terphenyl-d14	73%		%REC	33-155		0.99	313474	05/09/23	05/10/23	VTN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

Sample ID: B-2-GW	Lab ID: 484619-008	Collected: 05/04/23 10:30
	Matrix: Water	

484619-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3010A										
Antimony	ND		mg/L	0.030		1	313422	05/08/23	05/08/23	SBW
Arsenic	**0.25**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Barium	**1.8**		mg/L	0.010		1	313422	05/08/23	05/09/23	SBW
Beryllium	**0.0063**		mg/L	0.0050		1	313422	05/08/23	05/09/23	SBW
Cadmium	ND		mg/L	0.0050		1	313422	05/08/23	05/08/23	SBW
Chromium	**0.60**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Cobalt	**0.20**		mg/L	0.0050		1	313422	05/08/23	05/08/23	SBW
Copper	**2.3**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Lead	**1.5**		mg/L	0.010		1	313422	05/08/23	05/09/23	SBW
Molybdenum	**0.049**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Nickel	**0.33**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Selenium	ND		mg/L	0.030		1	313422	05/08/23	05/08/23	SBW
Silver	ND		mg/L	0.0050		1	313422	05/08/23	05/08/23	SBW
Thallium	ND		mg/L	0.030		1	313422	05/08/23	05/08/23	SBW
Vanadium	**1.1**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Zinc	**3.4**		mg/L	0.050		1	313422	05/08/23	05/09/23	SBW
Method: EPA 7470A Prep Method: METHOD										
Mercury	**1.5**		ug/L	0.40		1	313809	05/12/23	05/12/23	KAM
Method: EPA 8015B Prep Method: EPA 3510C										
TPH (C13-C28)	**0.19**		mg/L	0.19	0.088	1.9	313344	05/07/23	05/08/23	BJG
TPH (C29-C44)	**0.27**	J	mg/L	0.57	0.088	1.9	313344	05/07/23	05/08/23	BJG
Surrogates				**Limits**						
n-Triacontane	61%		%REC	35-130		1.9	313344	05/07/23	05/08/23	BJG
Method: EPA 8260B Prep Method: EPA 5030B										
TPH Gasoline	ND		ug/L	50		1	313475	05/09/23	05/09/23	EJB
Isopropyl Ether (DIPE)	ND		ug/L	1.0		1	313475	05/09/23	05/09/23	EJB
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0		1	313475	05/09/23	05/09/23	EJB
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0		1	313475	05/09/23	05/09/23	EJB
tert-Butyl Alcohol (TBA)	ND		ug/L	10		1	313475	05/09/23	05/09/23	EJB
3-Chloropropene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Freon 12	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Chloromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Vinyl Chloride	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromomethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Chloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Trichlorofluoromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Acetone	ND		ug/L	100		1	313475	05/09/23	05/09/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

484619-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Freon 113	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1-Dichloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Methylene Chloride	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
MTBE	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1-Dichloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
2-Butanone	ND		ug/L	100		1	313475	05/09/23	05/09/23	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
2,2-Dichloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Chloroform	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromochloromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1-Dichloropropene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Carbon Tetrachloride	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dichloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Benzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Trichloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dichloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromodichloromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Dibromomethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Toluene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,3-Dichloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Tetrachloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Dibromochloromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dibromoethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Chlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Ethylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
m,p-Xylenes	ND		ug/L	10		1	313475	05/09/23	05/09/23	EJB
o-Xylene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Styrene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromoform	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Isopropylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Propylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
2-Chlorotoluene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
4-Chlorotoluene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
tert-Butylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

484619-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
sec-Butylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
para-Isopropyl Toluene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
n-Butylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Hexachlorobutadiene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Naphthalene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Xylene (total)	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Surrogates				**Limits**						
Dibromofluoromethane	99%		%REC	70-130		1	313475	05/09/23	05/09/23	EJB
1,2-Dichloroethane-d4	99%		%REC	70-130		1	313475	05/09/23	05/09/23	EJB
Toluene-d8	107%		%REC	70-130		1	313475	05/09/23	05/09/23	EJB
Bromofluorobenzene	98%		%REC	70-130		1	313475	05/09/23	05/09/23	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3510C

Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1-Methylnaphthalene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
2-Methylnaphthalene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Naphthalene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Acenaphthylene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Acenaphthene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Fluorene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Phenanthrene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Anthracene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Fluoranthene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Pyrene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Benzo(a)anthracene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Chrysene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Benzo(b)fluoranthene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Benzo(k)fluoranthene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Benzo(a)pyrene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Dibenz(a,h)anthracene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Benzo(g,h,i)perylene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Surrogates				**Limits**						
Nitrobenzene-d5	66%		%REC	16-125		1	313415	05/08/23	05/09/23	VTN
2-Fluorobiphenyl	62%		%REC	17-120		1	313415	05/08/23	05/09/23	VTN
Terphenyl-d14	86%		%REC	39-123		1	313415	05/08/23	05/09/23	VTN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

Sample ID: B-3-0.5	Lab ID: 484619-009	Collected: 05/04/23 10:55
	Matrix: Soil	

484619-009 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9		0.96	313440	05/08/23	05/10/23	SBW
Arsenic	**6.4**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Barium	**120**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Beryllium	ND		mg/Kg	0.48		0.96	313440	05/08/23	05/10/23	SBW
Cadmium	ND		mg/Kg	0.48		0.96	313440	05/08/23	05/10/23	SBW
Chromium	**12**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Cobalt	**4.6**		mg/Kg	0.48		0.96	313440	05/08/23	05/10/23	SBW
Copper	**16**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Lead	**12**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Molybdenum	ND		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Nickel	**5.9**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Selenium	ND		mg/Kg	2.9		0.96	313440	05/08/23	05/10/23	SBW
Silver	ND		mg/Kg	0.48		0.96	313440	05/08/23	05/10/23	SBW
Thallium	ND		mg/Kg	2.9		0.96	313440	05/08/23	05/10/23	SBW
Vanadium	**36**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Zinc	**43**		mg/Kg	4.8		0.96	313440	05/08/23	05/10/23	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.16		1.1	313608	05/11/23	05/11/23	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	10		1	313536	05/09/23	05/12/23	SME
DRO C10-C28	**24**		mg/Kg	10		1	313536	05/09/23	05/12/23	SME
ORO C28-C44	**87**		mg/Kg	20		1	313536	05/09/23	05/12/23	SME
Surrogates				**Limits**						
n-Triacontane	92%		%REC	70-130		1	313536	05/09/23	05/12/23	SME
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10		1	313392	05/08/23	05/08/23	LYZ
Freon 12	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Chloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Bromomethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Chloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-009 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Trichlorofluoromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Acetone	ND		ug/Kg	100		1	313392	05/08/23	05/08/23	LYZ
Freon 113	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Methylene Chloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
MTBE	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
2-Butanone	ND		ug/Kg	100		1	313392	05/08/23	05/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Chloroform	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Bromochloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Benzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Trichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Dibromomethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	8.1		1	313392	05/08/23	05/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Toluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Chlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Ethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
m,p-Xylenes	**16**		ug/Kg	10		1	313392	05/08/23	05/08/23	LYZ
o-Xylene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Styrene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Bromoform	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Isopropylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Propylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Bromobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-009 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
tert-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Naphthalene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Xylene (total)	**16**		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	100%		%REC	70-145		1	313392	05/08/23	05/08/23	LYZ
1,2-Dichloroethane-d4	103%		%REC	70-145		1	313392	05/08/23	05/08/23	LYZ
Toluene-d8	98%		%REC	70-145		1	313392	05/08/23	05/08/23	LYZ
Bromofluorobenzene	105%		%REC	70-145		1	313392	05/08/23	05/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

Sample ID: B-3-3.0	Lab ID: 484619-010	Collected: 05/04/23 11:00
	Matrix: Soil	

484619-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B										
Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0		0.99	313440	05/08/23	05/10/23	SBW
Arsenic	**2.5**		mg/Kg	0.99		0.99	313440	05/08/23	05/10/23	SBW
Barium	**75**		mg/Kg	0.99		0.99	313440	05/08/23	05/10/23	SBW
Beryllium	ND		mg/Kg	0.50		0.99	313440	05/08/23	05/10/23	SBW
Cadmium	ND		mg/Kg	0.50		0.99	313440	05/08/23	05/10/23	SBW
Chromium	**15**		mg/Kg	0.99		0.99	313440	05/08/23	05/10/23	SBW
Cobalt	**6.2**		mg/Kg	0.50		0.99	313440	05/08/23	05/10/23	SBW
Copper	**9.2**		mg/Kg	0.99		0.99	313440	05/08/23	05/10/23	SBW
Lead	**5.3**		mg/Kg	0.99		0.99	313440	05/08/23	05/10/23	SBW
Molybdenum	ND		mg/Kg	0.99		0.99	313440	05/08/23	05/10/23	SBW
Nickel	**6.3**		mg/Kg	0.99		0.99	313440	05/08/23	05/10/23	SBW
Selenium	ND		mg/Kg	3.0		0.99	313440	05/08/23	05/10/23	SBW
Silver	ND		mg/Kg	0.50		0.99	313440	05/08/23	05/10/23	SBW
Thallium	ND		mg/Kg	3.0		0.99	313440	05/08/23	05/10/23	SBW
Vanadium	**40**		mg/Kg	0.99		0.99	313440	05/08/23	05/10/23	SBW
Zinc	**42**		mg/Kg	5.0		0.99	313440	05/08/23	05/10/23	SBW
Method: EPA 7471A										
Prep Method: METHOD										
Mercury	ND		mg/Kg	0.16		1.1	313608	05/11/23	05/11/23	KAM
Method: EPA 8015M										
Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	10		1	313536	05/09/23	05/12/23	SME
DRO C10-C28	ND		mg/Kg	10		1	313536	05/09/23	05/12/23	SME
ORO C28-C44	ND		mg/Kg	20		1	313536	05/09/23	05/12/23	SME
Surrogates				**Limits**						
n-Triacontane	79%		%REC	70-130		1	313536	05/09/23	05/12/23	SME
Method: EPA 8260B										
Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10		1	313454	05/09/23	05/09/23	LYZ
Freon 12	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Chloromethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Vinyl Chloride	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Bromomethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Chloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Trichlorofluoromethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Acetone	ND		ug/Kg	100		1	313454	05/09/23	05/09/23	LYZ
Freon 113	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Methylene Chloride	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
MTBE	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
2-Butanone	ND		ug/Kg	100		1	313454	05/09/23	05/09/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Chloroform	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Bromochloromethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Benzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Trichloroethene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Bromodichloromethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Dibromomethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Toluene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Tetrachloroethene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Dibromochloromethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Chlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Ethylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
m,p-Xylenes	ND		ug/Kg	10		1	313454	05/09/23	05/09/23	LYZ
o-Xylene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Styrene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Bromoform	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Isopropylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Propylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Bromobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
2-Chlorotoluene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
4-Chlorotoluene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
tert-Butylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
sec-Butylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
n-Butylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Naphthalene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Xylene (total)	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	99%		%REC	70-145		1	313454	05/09/23	05/09/23	LYZ
1,2-Dichloroethane-d4	98%		%REC	70-145		1	313454	05/09/23	05/09/23	LYZ
Toluene-d8	98%		%REC	70-145		1	313454	05/09/23	05/09/23	LYZ
Bromofluorobenzene	102%		%REC	70-145		1	313454	05/09/23	05/09/23	LYZ

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

Sample ID: B-3-7.0	Lab ID: 484619-011	Collected: 05/04/23 11:05
	Matrix: Soil	

484619-011 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9		0.96	313440	05/08/23	05/10/23	SBW
Arsenic	**4.5**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Barium	**27**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Beryllium	ND		mg/Kg	0.48		0.96	313440	05/08/23	05/10/23	SBW
Cadmium	ND		mg/Kg	0.48		0.96	313440	05/08/23	05/10/23	SBW
Chromium	**22**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Cobalt	**2.9**		mg/Kg	0.48		0.96	313440	05/08/23	05/10/23	SBW
Copper	**9.5**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Lead	**18**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Molybdenum	ND		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Nickel	**17**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Selenium	ND		mg/Kg	2.9		0.96	313440	05/08/23	05/10/23	SBW
Silver	ND		mg/Kg	0.48		0.96	313440	05/08/23	05/10/23	SBW
Thallium	ND		mg/Kg	2.9		0.96	313440	05/08/23	05/10/23	SBW
Vanadium	**25**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Zinc	**58**		mg/Kg	4.8		0.96	313440	05/08/23	05/10/23	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.15		1.1	313608	05/11/23	05/11/23	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	200		20	313536	05/09/23	05/12/23	SME
DRO C10-C28	**220**		mg/Kg	200		20	313536	05/09/23	05/12/23	SME
ORO C28-C44	**520**		mg/Kg	400		20	313536	05/09/23	05/12/23	SME
Surrogates				**Limits**						
n-Triacontane		DO	%REC	70-130		20	313536	05/09/23	05/12/23	SME
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10		1	313454	05/09/23	05/09/23	LYZ
Freon 12	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Chloromethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Vinyl Chloride	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Bromomethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Chloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

484619-011 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Trichlorofluoromethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Acetone	ND		ug/Kg	100		1	313454	05/09/23	05/09/23	LYZ
Freon 113	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Methylene Chloride	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
MTBE	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
2-Butanone	ND		ug/Kg	100		1	313454	05/09/23	05/09/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Chloroform	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Bromochloromethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Benzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Trichloroethene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Bromodichloromethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Dibromomethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Toluene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Tetrachloroethene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Dibromochloromethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Chlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Ethylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
m,p-Xylenes	ND		ug/Kg	10		1	313454	05/09/23	05/09/23	LYZ
o-Xylene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Styrene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Bromoform	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Isopropylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Propylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Bromobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
2-Chlorotoluene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
4-Chlorotoluene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-011 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
tert-Butylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
sec-Butylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
n-Butylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Naphthalene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Xylene (total)	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	101%		%REC	70-145		1	313454	05/09/23	05/09/23	LYZ
1,2-Dichloroethane-d4	96%		%REC	70-145		1	313454	05/09/23	05/09/23	LYZ
Toluene-d8	98%		%REC	70-145		1	313454	05/09/23	05/09/23	LYZ
Bromofluorobenzene	105%		%REC	70-145		1	313454	05/09/23	05/09/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

Sample ID: B-3-GW	Lab ID: 484619-012	Collected: 05/04/23 11:10
	Matrix: Water	

484619-012 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3010A										
Antimony	**0.048**		mg/L	0.030		1	313422	05/08/23	05/08/23	SBW
Arsenic	**0.92**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Barium	**4.8**		mg/L	0.010		1	313422	05/08/23	05/09/23	SBW
Beryllium	**0.022**		mg/L	0.0050		1	313422	05/08/23	05/09/23	SBW
Cadmium	**0.012**		mg/L	0.0050		1	313422	05/08/23	05/08/23	SBW
Chromium	**1.6**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Cobalt	**0.55**		mg/L	0.0050		1	313422	05/08/23	05/08/23	SBW
Copper	**4.6**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Lead	**6.8**		mg/L	0.010		1	313422	05/08/23	05/09/23	SBW
Molybdenum	**0.19**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Nickel	**1.3**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Selenium	**0.057**		mg/L	0.030		1	313422	05/08/23	05/09/23	SBW
Silver	**0.020**		mg/L	0.0050		1	313422	05/08/23	05/08/23	SBW
Thallium	ND		mg/L	0.030		1	313422	05/08/23	05/08/23	SBW
Vanadium	**3.4**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Zinc	**12**		mg/L	0.050		1	313422	05/08/23	05/09/23	SBW
Method: EPA 7470A Prep Method: METHOD										
Mercury	ND		ug/L	0.40		1	313809	05/12/23	05/12/23	KAM
Method: EPA 8015B Prep Method: EPA 3510C										
TPH (C13-C28)	ND		mg/L	9.4	4.4	94	313344	05/07/23	05/08/23	BJG
TPH (C29-C44)	**11**	J	mg/L	28	4.4	94	313344	05/07/23	05/08/23	BJG
Surrogates				**Limits**						
n-Triacontane		DO	%REC	35-130		94	313344	05/07/23	05/08/23	BJG
Method: EPA 8260B Prep Method: EPA 5030B										
TPH Gasoline	ND		ug/L	50		1	313475	05/09/23	05/09/23	EJB
Isopropyl Ether (DIPE)	ND		ug/L	1.0		1	313475	05/09/23	05/09/23	EJB
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0		1	313475	05/09/23	05/09/23	EJB
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0		1	313475	05/09/23	05/09/23	EJB
tert-Butyl Alcohol (TBA)	ND		ug/L	10		1	313475	05/09/23	05/09/23	EJB
3-Chloropropene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Freon 12	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Chloromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Vinyl Chloride	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromomethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Chloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Trichlorofluoromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Acetone	ND		ug/L	100		1	313475	05/09/23	05/09/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-012 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Freon 113	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1-Dichloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Methylene Chloride	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
MTBE	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1-Dichloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
2-Butanone	ND		ug/L	100		1	313475	05/09/23	05/09/23	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
2,2-Dichloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Chloroform	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromochloromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1-Dichloropropene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Carbon Tetrachloride	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dichloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Benzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Trichloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dichloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromodichloromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Dibromomethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Toluene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,3-Dichloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Tetrachloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Dibromochloromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dibromoethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Chlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Ethylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
m,p-Xylenes	ND		ug/L	10		1	313475	05/09/23	05/09/23	EJB
o-Xylene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Styrene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromoform	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Isopropylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Propylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
2-Chlorotoluene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
4-Chlorotoluene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
tert-Butylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

484619-012 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
sec-Butylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
para-Isopropyl Toluene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
n-Butylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Hexachlorobutadiene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Naphthalene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Xylene (total)	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Surrogates				**Limits**						
Dibromofluoromethane	97%		%REC	70-130		1	313475	05/09/23	05/09/23	EJB
1,2-Dichloroethane-d4	96%		%REC	70-130		1	313475	05/09/23	05/09/23	EJB
Toluene-d8	112%		%REC	70-130		1	313475	05/09/23	05/09/23	EJB
Bromofluorobenzene	98%		%REC	70-130		1	313475	05/09/23	05/09/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

Sample ID: B-4-0.5	Lab ID: 484619-013	Collected: 05/04/23 12:30
	Matrix: Soil	

484619-013 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9		0.98	313440	05/08/23	05/10/23	SBW
Arsenic	**5.0**		mg/Kg	0.98		0.98	313440	05/08/23	05/10/23	SBW
Barium	**120**		mg/Kg	0.98		0.98	313440	05/08/23	05/10/23	SBW
Beryllium	ND		mg/Kg	0.49		0.98	313440	05/08/23	05/10/23	SBW
Cadmium	ND		mg/Kg	0.49		0.98	313440	05/08/23	05/10/23	SBW
Chromium	**13**		mg/Kg	0.98		0.98	313440	05/08/23	05/10/23	SBW
Cobalt	**4.3**		mg/Kg	0.49		0.98	313440	05/08/23	05/10/23	SBW
Copper	**17**		mg/Kg	0.98		0.98	313440	05/08/23	05/10/23	SBW
Lead	**30**		mg/Kg	0.98		0.98	313440	05/08/23	05/10/23	SBW
Molybdenum	ND		mg/Kg	0.98		0.98	313440	05/08/23	05/10/23	SBW
Nickel	**5.5**		mg/Kg	0.98		0.98	313440	05/08/23	05/10/23	SBW
Selenium	ND		mg/Kg	2.9		0.98	313440	05/08/23	05/10/23	SBW
Silver	ND		mg/Kg	0.49		0.98	313440	05/08/23	05/10/23	SBW
Thallium	ND		mg/Kg	2.9		0.98	313440	05/08/23	05/10/23	SBW
Vanadium	**34**		mg/Kg	0.98		0.98	313440	05/08/23	05/10/23	SBW
Zinc	**45**		mg/Kg	4.9		0.98	313440	05/08/23	05/10/23	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.15		1.1	313608	05/11/23	05/11/23	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	10		1	313536	05/09/23	05/12/23	SME
DRO C10-C28	**26**		mg/Kg	10		1	313536	05/09/23	05/12/23	SME
ORO C28-C44	**31**		mg/Kg	20		1	313536	05/09/23	05/12/23	SME
Surrogates				**Limits**						
n-Triacontane	71%		%REC	70-130		1	313536	05/09/23	05/12/23	SME
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10		1	313454	05/09/23	05/09/23	LYZ
Freon 12	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Chloromethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Vinyl Chloride	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Bromomethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Chloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-013 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Trichlorofluoromethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Acetone	ND		ug/Kg	100		1	313454	05/09/23	05/09/23	LYZ
Freon 113	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Methylene Chloride	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
MTBE	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
2-Butanone	ND		ug/Kg	100		1	313454	05/09/23	05/09/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Chloroform	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Bromochloromethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Benzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Trichloroethene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Bromodichloromethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Dibromomethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Toluene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Tetrachloroethene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Dibromochloromethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Chlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Ethylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
m,p-Xylenes	ND		ug/Kg	10		1	313454	05/09/23	05/09/23	LYZ
o-Xylene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Styrene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Bromoform	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Isopropylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Propylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Bromobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
2-Chlorotoluene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
4-Chlorotoluene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-013 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
tert-Butylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
sec-Butylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
n-Butylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Naphthalene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Xylene (total)	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	98%		%REC	70-145		1	313454	05/09/23	05/09/23	LYZ
1,2-Dichloroethane-d4	100%		%REC	70-145		1	313454	05/09/23	05/09/23	LYZ
Toluene-d8	99%		%REC	70-145		1	313454	05/09/23	05/09/23	LYZ
Bromofluorobenzene	102%		%REC	70-145		1	313454	05/09/23	05/09/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

Sample ID: B-4-3.0	Lab ID: 484619-014	Collected: 05/04/23 12:35
	Matrix: Soil	

484619-014 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0		0.99	313440	05/08/23	05/10/23	SBW
Arsenic	**2.9**		mg/Kg	0.99		0.99	313440	05/08/23	05/10/23	SBW
Barium	**65**		mg/Kg	0.99		0.99	313440	05/08/23	05/10/23	SBW
Beryllium	ND		mg/Kg	0.50		0.99	313440	05/08/23	05/10/23	SBW
Cadmium	ND		mg/Kg	0.50		0.99	313440	05/08/23	05/10/23	SBW
Chromium	**17**		mg/Kg	0.99		0.99	313440	05/08/23	05/10/23	SBW
Cobalt	**5.5**		mg/Kg	0.50		0.99	313440	05/08/23	05/10/23	SBW
Copper	**8.7**		mg/Kg	0.99		0.99	313440	05/08/23	05/10/23	SBW
Lead	**3.5**		mg/Kg	0.99		0.99	313440	05/08/23	05/10/23	SBW
Molybdenum	ND		mg/Kg	0.99		0.99	313440	05/08/23	05/10/23	SBW
Nickel	**7.0**		mg/Kg	0.99		0.99	313440	05/08/23	05/10/23	SBW
Selenium	ND		mg/Kg	3.0		0.99	313440	05/08/23	05/10/23	SBW
Silver	ND		mg/Kg	0.50		0.99	313440	05/08/23	05/10/23	SBW
Thallium	ND		mg/Kg	3.0		0.99	313440	05/08/23	05/10/23	SBW
Vanadium	**47**		mg/Kg	0.99		0.99	313440	05/08/23	05/10/23	SBW
Zinc	**38**		mg/Kg	5.0		0.99	313440	05/08/23	05/10/23	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.16		1.1	313608	05/11/23	05/11/23	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	10		1	313536	05/09/23	05/12/23	SME
DRO C10-C28	ND		mg/Kg	10		1	313536	05/09/23	05/12/23	SME
ORO C28-C44	ND		mg/Kg	20		1	313536	05/09/23	05/12/23	SME
Surrogates				**Limits**						
n-Triacontane	78%		%REC	70-130		1	313536	05/09/23	05/12/23	SME
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10		1	313391	05/08/23	05/08/23	EJB
Freon 12	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Chloromethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Vinyl Chloride	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Bromomethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Chloroethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-014 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Trichlorofluoromethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Acetone	ND		ug/Kg	100		1	313391	05/08/23	05/08/23	EJB
Freon 113	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,1-Dichloroethene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Methylene Chloride	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
MTBE	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,1-Dichloroethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
2-Butanone	ND		ug/Kg	100		1	313391	05/08/23	05/08/23	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
2,2-Dichloropropane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Chloroform	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Bromochloromethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,1,1-Trichloroethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,1-Dichloropropene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Carbon Tetrachloride	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2-Dichloroethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Benzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Trichloroethene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2-Dichloropropane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Bromodichloromethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Dibromomethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Toluene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,1,2-Trichloroethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,3-Dichloropropane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Tetrachloroethene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Dibromochloromethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2-Dibromoethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Chlorobenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Ethylbenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
m,p-Xylenes	ND		ug/Kg	10		1	313391	05/08/23	05/08/23	EJB
o-Xylene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Styrene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Bromoform	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Isopropylbenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2,3-Trichloropropane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Propylbenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Bromobenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
2-Chlorotoluene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
4-Chlorotoluene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-014 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
tert-Butylbenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
sec-Butylbenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
para-Isopropyl Toluene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,3-Dichlorobenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,4-Dichlorobenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
n-Butylbenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2-Dichlorobenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Hexachlorobutadiene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Naphthalene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Xylene (total)	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Surrogates				**Limits**						
Dibromofluoromethane	100%		%REC	70-145		1	313391	05/08/23	05/08/23	EJB
1,2-Dichloroethane-d4	99%		%REC	70-145		1	313391	05/08/23	05/08/23	EJB
Toluene-d8	100%		%REC	70-145		1	313391	05/08/23	05/08/23	EJB
Bromofluorobenzene	100%		%REC	70-145		1	313391	05/08/23	05/08/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

Sample ID: B-4-8.0	Lab ID: 484619-015	Collected: 05/04/23 12:40
	Matrix: Soil	

484619-015 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9		0.96	313440	05/08/23	05/10/23	SBW
Arsenic	**5.3**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Barium	**150**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Beryllium	ND		mg/Kg	0.48		0.96	313440	05/08/23	05/10/23	SBW
Cadmium	ND		mg/Kg	0.48		0.96	313440	05/08/23	05/10/23	SBW
Chromium	**11**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Cobalt	**2.7**		mg/Kg	0.48		0.96	313440	05/08/23	05/10/23	SBW
Copper	**9.6**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Lead	**12**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Molybdenum	**1.6**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Nickel	**18**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Selenium	ND		mg/Kg	2.9		0.96	313440	05/08/23	05/10/23	SBW
Silver	ND		mg/Kg	0.48		0.96	313440	05/08/23	05/10/23	SBW
Thallium	ND		mg/Kg	2.9		0.96	313440	05/08/23	05/10/23	SBW
Vanadium	**33**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Zinc	**46**		mg/Kg	4.8		0.96	313440	05/08/23	05/10/23	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.26**		mg/Kg	0.16		1.1	313608	05/11/23	05/11/23	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	200		20	313536	05/09/23	05/12/23	SME
DRO C10-C28	**260**		mg/Kg	200		20	313536	05/09/23	05/12/23	SME
ORO C28-C44	**600**		mg/Kg	400		20	313536	05/09/23	05/12/23	SME
Surrogates				**Limits**						
n-Triacontane		DO	%REC	70-130		20	313536	05/09/23	05/12/23	SME
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10		1	313391	05/08/23	05/08/23	EJB
Freon 12	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Chloromethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Vinyl Chloride	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Bromomethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Chloroethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

484619-015 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Trichlorofluoromethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Acetone	ND		ug/Kg	100		1	313391	05/08/23	05/08/23	EJB
Freon 113	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,1-Dichloroethene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Methylene Chloride	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
MTBE	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,1-Dichloroethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
2-Butanone	ND		ug/Kg	100		1	313391	05/08/23	05/08/23	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
2,2-Dichloropropane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Chloroform	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Bromochloromethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,1,1-Trichloroethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,1-Dichloropropene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Carbon Tetrachloride	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2-Dichloroethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Benzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Trichloroethene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2-Dichloropropane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Bromodichloromethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Dibromomethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Toluene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,1,2-Trichloroethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,3-Dichloropropane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Tetrachloroethene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Dibromochloromethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2-Dibromoethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Chlorobenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Ethylbenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
m,p-Xylenes	ND		ug/Kg	10		1	313391	05/08/23	05/08/23	EJB
o-Xylene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Styrene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Bromoform	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Isopropylbenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2,3-Trichloropropane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Propylbenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Bromobenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
2-Chlorotoluene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
4-Chlorotoluene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-015 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
tert-Butylbenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
sec-Butylbenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
para-Isopropyl Toluene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,3-Dichlorobenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,4-Dichlorobenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
n-Butylbenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2-Dichlorobenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Hexachlorobutadiene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Naphthalene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Xylene (total)	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Surrogates				**Limits**						
Dibromofluoromethane	100%		%REC	70-145		1	313391	05/08/23	05/08/23	EJB
1,2-Dichloroethane-d4	98%		%REC	70-145		1	313391	05/08/23	05/08/23	EJB
Toluene-d8	101%		%REC	70-145		1	313391	05/08/23	05/08/23	EJB
Bromofluorobenzene	108%		%REC	70-145		1	313391	05/08/23	05/08/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

Sample ID: B-4-GW	Lab ID: 484619-016	Collected: 05/04/23 12:50
	Matrix: Water	

484619-016 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3010A										
Antimony	**0.043**		mg/L	0.030		1	313422	05/08/23	05/08/23	SBW
Arsenic	**1.1**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Barium	**3.6**		mg/L	0.010		1	313422	05/08/23	05/09/23	SBW
Beryllium	**0.025**		mg/L	0.0050		1	313422	05/08/23	05/09/23	SBW
Cadmium	**0.027**		mg/L	0.0050		1	313422	05/08/23	05/08/23	SBW
Chromium	**1.5**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Cobalt	**0.57**		mg/L	0.0050		1	313422	05/08/23	05/08/23	SBW
Copper	**9.0**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Lead	**4.6**		mg/L	0.010		1	313422	05/08/23	05/09/23	SBW
Molybdenum	**0.37**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Nickel	**1.3**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Selenium	**0.042**		mg/L	0.030		1	313422	05/08/23	05/09/23	SBW
Silver	ND		mg/L	0.0050		1	313422	05/08/23	05/08/23	SBW
Thallium	ND		mg/L	0.030		1	313422	05/08/23	05/08/23	SBW
Vanadium	**2.8**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Zinc	**13**		mg/L	0.050		1	313422	05/08/23	05/09/23	SBW
Method: EPA 7470A Prep Method: METHOD										
Mercury	**0.67**		ug/L	0.40		1	313809	05/12/23	05/12/23	KAM
Method: EPA 8015B Prep Method: EPA 3510C										
TPH (C13-C28)	**4.6**	J	mg/L	9.4	4.4	94	313344	05/07/23	05/08/23	BJG
TPH (C29-C44)	**11**	J	mg/L	28	4.4	94	313344	05/07/23	05/08/23	BJG
Surrogates				**Limits**						
n-Triacontane		DO	%REC	35-130		94	313344	05/07/23	05/08/23	BJG
Method: EPA 8260B Prep Method: EPA 5030B										
TPH Gasoline	ND		ug/L	50		1	313475	05/09/23	05/09/23	EJB
Isopropyl Ether (DIPE)	ND		ug/L	1.0		1	313475	05/09/23	05/09/23	EJB
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0		1	313475	05/09/23	05/09/23	EJB
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0		1	313475	05/09/23	05/09/23	EJB
tert-Butyl Alcohol (TBA)	ND		ug/L	10		1	313475	05/09/23	05/09/23	EJB
3-Chloropropene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Freon 12	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Chloromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Vinyl Chloride	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromomethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Chloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Trichlorofluoromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Acetone	ND		ug/L	100		1	313475	05/09/23	05/09/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-016 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Freon 113	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1-Dichloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Methylene Chloride	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
MTBE	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1-Dichloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
2-Butanone	ND		ug/L	100		1	313475	05/09/23	05/09/23	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
2,2-Dichloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Chloroform	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromochloromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1-Dichloropropene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Carbon Tetrachloride	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dichloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Benzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Trichloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dichloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromodichloromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Dibromomethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Toluene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,3-Dichloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Tetrachloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Dibromochloromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dibromoethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Chlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Ethylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
m,p-Xylenes	ND		ug/L	10		1	313475	05/09/23	05/09/23	EJB
o-Xylene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Styrene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromoform	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Isopropylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Propylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
2-Chlorotoluene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
4-Chlorotoluene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
tert-Butylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-016 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
sec-Butylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
para-Isopropyl Toluene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
n-Butylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Hexachlorobutadiene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Naphthalene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Xylene (total)	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Surrogates				**Limits**						
Dibromofluoromethane	100%		%REC	70-130		1	313475	05/09/23	05/09/23	EJB
1,2-Dichloroethane-d4	100%		%REC	70-130		1	313475	05/09/23	05/09/23	EJB
Toluene-d8	107%		%REC	70-130		1	313475	05/09/23	05/09/23	EJB
Bromofluorobenzene	96%		%REC	70-130		1	313475	05/09/23	05/09/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

Sample ID: OF-1	Lab ID: 484619-017	Collected: 05/04/23 16:00
	Matrix: Soil	

484619-017 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9		0.98	313849	05/12/23	05/15/23	SBW
Arsenic	**4.6**		mg/Kg	0.98		0.98	313849	05/12/23	05/15/23	SBW
Barium	**160**		mg/Kg	0.98		0.98	313849	05/12/23	05/15/23	SBW
Beryllium	ND		mg/Kg	0.49		0.98	313849	05/12/23	05/16/23	SBW
Cadmium	ND		mg/Kg	0.49		0.98	313849	05/12/23	05/15/23	SBW
Chromium	**19**		mg/Kg	0.98		0.98	313849	05/12/23	05/15/23	SBW
Cobalt	**3.2**		mg/Kg	0.49		0.98	313849	05/12/23	05/15/23	SBW
Copper	**59**		mg/Kg	0.98		0.98	313849	05/12/23	05/15/23	SBW
Lead	**49**		mg/Kg	0.98		0.98	313849	05/12/23	05/15/23	SBW
Molybdenum	ND		mg/Kg	0.98		0.98	313849	05/12/23	05/15/23	SBW
Nickel	**8.1**		mg/Kg	0.98		0.98	313849	05/12/23	05/15/23	SBW
Selenium	ND		mg/Kg	2.9		0.98	313849	05/12/23	05/15/23	SBW
Silver	ND		mg/Kg	0.49		0.98	313849	05/12/23	05/15/23	SBW
Thallium	ND		mg/Kg	2.9		0.98	313849	05/12/23	05/15/23	SBW
Vanadium	**19**		mg/Kg	0.98		0.98	313849	05/12/23	05/15/23	SBW
Zinc	**100**		mg/Kg	4.9		0.98	313849	05/12/23	05/15/23	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.15		1.1	313966	05/15/23	05/15/23	KAM
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	49		0.99	313470	05/09/23	05/09/23	TRN
Aroclor-1221	ND		ug/Kg	49		0.99	313470	05/09/23	05/09/23	TRN
Aroclor-1232	ND		ug/Kg	49		0.99	313470	05/09/23	05/09/23	TRN
Aroclor-1242	ND		ug/Kg	49		0.99	313470	05/09/23	05/09/23	TRN
Aroclor-1248	ND		ug/Kg	49		0.99	313470	05/09/23	05/09/23	TRN
Aroclor-1254	ND		ug/Kg	49		0.99	313470	05/09/23	05/09/23	TRN
Aroclor-1260	ND		ug/Kg	49		0.99	313470	05/09/23	05/09/23	TRN
Aroclor-1262	ND		ug/Kg	49		0.99	313470	05/09/23	05/09/23	TRN
Aroclor-1268	ND		ug/Kg	49		0.99	313470	05/09/23	05/09/23	TRN
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	91%		%REC	19-121		0.99	313470	05/09/23	05/09/23	TRN
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
2-Methylnaphthalene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
Naphthalene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
Acenaphthylene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
Acenaphthene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
Fluorene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-017 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Phenanthrene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
Anthracene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
Fluoranthene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
Pyrene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
Benzo(a)anthracene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
Chrysene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
Benzo(b)fluoranthene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
Benzo(k)fluoranthene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
Benzo(a)pyrene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
Dibenz(a,h)anthracene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
Benzo(g,h,i)perylene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
Surrogates				**Limits**						
Nitrobenzene-d5	48%		%REC	27-125		0.99	313474	05/09/23	05/09/23	VTN
2-Fluorobiphenyl	46%		%REC	30-120		0.99	313474	05/09/23	05/09/23	VTN
Terphenyl-d14	58%		%REC	33-155		0.99	313474	05/09/23	05/09/23	VTN

DO Diluted Out
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1064050	Batch: 313422
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3010A

QC1064050 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/L	0.030		05/08/23	05/08/23
Arsenic	ND		mg/L	0.010		05/08/23	05/08/23
Barium	ND		mg/L	0.010		05/08/23	05/08/23
Beryllium	ND		mg/L	0.0050		05/08/23	05/09/23
Cadmium	ND		mg/L	0.0050		05/08/23	05/08/23
Chromium	ND		mg/L	0.010		05/08/23	05/08/23
Cobalt	ND		mg/L	0.0050		05/08/23	05/08/23
Copper	ND		mg/L	0.010		05/08/23	05/08/23
Lead	ND		mg/L	0.010		05/08/23	05/08/23
Molybdenum	ND		mg/L	0.010		05/08/23	05/08/23
Nickel	ND		mg/L	0.010		05/08/23	05/08/23
Selenium	ND		mg/L	0.030		05/08/23	05/08/23
Silver	ND		mg/L	0.0050		05/08/23	05/08/23
Thallium	ND		mg/L	0.030		05/08/23	05/08/23
Vanadium	ND		mg/L	0.010		05/08/23	05/08/23
Zinc	ND		mg/L	0.050		05/08/23	05/08/23

Type: Lab Control Sample	Lab ID: QC1064051	Batch: 313422
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3010A

QC1064051 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	0.4163	0.4000	mg/L	104%		80-120
Arsenic	0.4181	0.4000	mg/L	105%		80-120
Barium	0.4023	0.4000	mg/L	101%		80-120
Beryllium	0.4272	0.4000	mg/L	107%		80-120
Cadmium	0.4312	0.4000	mg/L	108%		80-120
Chromium	0.4656	0.4000	mg/L	116%		80-120
Cobalt	0.4495	0.4000	mg/L	112%		80-120
Copper	0.3916	0.4000	mg/L	98%		80-120
Lead	0.3816	0.4000	mg/L	95%		80-120
Molybdenum	0.4415	0.4000	mg/L	110%		80-120
Nickel	0.4417	0.4000	mg/L	110%		80-120
Selenium	0.3694	0.4000	mg/L	92%		80-120
Silver	0.1860	0.2000	mg/L	93%		80-120
Thallium	0.3794	0.4000	mg/L	95%		80-120
Vanadium	0.4092	0.4000	mg/L	102%		80-120
Zinc	0.4087	0.4000	mg/L	102%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1064052	Batch:	313422
Matrix (Source ID):	Water (484619-004)	Method:	EPA 6010B	Prep Method:	EPA 3010A

QC1064052 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	0.1653	0.01074	0.4000	mg/L	39%	*	75-125	1
Arsenic	0.5521	0.1695	0.4000	mg/L	96%		75-125	1
Barium	3.848	3.651	0.4000	mg/L	49%	NM	75-125	1
Beryllium	0.4235	0.008076	0.4000	mg/L	104%		75-125	1
Cadmium	0.4277	ND	0.4000	mg/L	107%		75-125	1
Chromium	1.072	0.7207	0.4000	mg/L	88%		75-125	1
Cobalt	0.5699	0.1638	0.4000	mg/L	102%		75-125	1
Copper	2.678	2.336	0.4000	mg/L	86%	NM	75-125	1
Lead	1.325	1.003	0.4000	mg/L	81%		75-125	1
Molybdenum	0.4050	0.04515	0.4000	mg/L	90%		75-125	1
Nickel	0.6516	0.2599	0.4000	mg/L	98%		75-125	1
Selenium	0.3354	0.01764	0.4000	mg/L	79%		75-125	1
Silver	0.2055	ND	0.2000	mg/L	103%		75-125	1
Thallium	0.3300	ND	0.4000	mg/L	82%		75-125	1
Vanadium	1.697	1.303	0.4000	mg/L	99%		75-125	1
Zinc	3.828	3.578	0.4000	mg/L	62%	NM	75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1064053	Batch:	313422
Matrix (Source ID):	Water (484619-004)	Method:	EPA 6010B	Prep Method:	EPA 3010A

QC1064053 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	0.1375	0.01074	0.4000	mg/L	32%	*	75-125	18	20	1
Arsenic	0.5564	0.1695	0.4000	mg/L	97%		75-125	1	20	1
Barium	4.162	3.651	0.4000	mg/L	128%	NM	75-125	8	20	1
Beryllium	0.4228	0.008076	0.4000	mg/L	104%		75-125	0	20	1
Cadmium	0.4174	ND	0.4000	mg/L	104%		75-125	2	20	1
Chromium	1.098	0.7207	0.4000	mg/L	94%		75-125	2	20	1
Cobalt	0.5760	0.1638	0.4000	mg/L	103%		75-125	1	20	1
Copper	2.778	2.336	0.4000	mg/L	111%	NM	75-125	4	20	1
Lead	1.385	1.003	0.4000	mg/L	95%		75-125	4	20	1
Molybdenum	0.3738	0.04515	0.4000	mg/L	82%		75-125	8	20	1
Nickel	0.6554	0.2599	0.4000	mg/L	99%		75-125	1	20	1
Selenium	0.3243	0.01764	0.4000	mg/L	77%		75-125	3	20	1
Silver	0.2025	ND	0.2000	mg/L	101%		75-125	1	20	1
Thallium	0.3185	ND	0.4000	mg/L	80%		75-125	4	20	1
Vanadium	1.729	1.303	0.4000	mg/L	107%		75-125	2	20	1
Zinc	4.045	3.578	0.4000	mg/L	117%	NM	75-125	6	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1064129	Batch:	313440
Matrix (Source ID):	Soil (484666-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1064129 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	45.25	ND	99.01	mg/Kg	46%	b,*	75-125	0.99
Arsenic	98.34	3.610	99.01	mg/Kg	96%		75-125	0.99
Barium	170.6	60.32	99.01	mg/Kg	111%		75-125	0.99
Beryllium	105.6	0.3550	99.01	mg/Kg	106%		75-125	0.99
Cadmium	99.85	0.2134	99.01	mg/Kg	101%		75-125	0.99
Chromium	149.4	45.52	99.01	mg/Kg	105%		75-125	0.99
Cobalt	110.1	10.50	99.01	mg/Kg	101%		75-125	0.99
Copper	172.8	23.29	99.01	mg/Kg	151%	*	75-125	0.99
Lead	106.4	7.941	99.01	mg/Kg	99%		75-125	0.99
Molybdenum	95.93	1.463	99.01	mg/Kg	95%		75-125	0.99
Nickel	132.1	34.12	99.01	mg/Kg	99%		75-125	0.99
Selenium	89.79	0.6472	99.01	mg/Kg	90%		75-125	0.99
Silver	49.07	ND	49.50	mg/Kg	99%		75-125	0.99
Thallium	95.74	ND	99.01	mg/Kg	97%		75-125	0.99
Vanadium	154.7	45.86	99.01	mg/Kg	110%		75-125	0.99
Zinc	141.4	40.76	99.01	mg/Kg	102%		75-125	0.99

Type:	Matrix Spike Duplicate	Lab ID:	QC1064130	Batch:	313440
Matrix (Source ID):	Soil (484666-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1064130 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	44.24	ND	97.09	mg/Kg	46%	b,*	75-125	0	41	0.97
Arsenic	93.70	3.610	97.09	mg/Kg	93%		75-125	3	35	0.97
Barium	157.9	60.32	97.09	mg/Kg	100%		75-125	7	20	0.97
Beryllium	100.0	0.3550	97.09	mg/Kg	103%		75-125	4	20	0.97
Cadmium	94.03	0.2134	97.09	mg/Kg	97%		75-125	4	20	0.97
Chromium	136.1	45.52	97.09	mg/Kg	93%		75-125	8	20	0.97
Cobalt	103.0	10.50	97.09	mg/Kg	95%		75-125	5	20	0.97
Copper	189.1	23.29	97.09	mg/Kg	171%	*	75-125	11	20	0.97
Lead	98.43	7.941	97.09	mg/Kg	93%		75-125	6	20	0.97
Molybdenum	91.00	1.463	97.09	mg/Kg	92%		75-125	3	20	0.97
Nickel	124.3	34.12	97.09	mg/Kg	93%		75-125	5	20	0.97
Selenium	85.59	0.6472	97.09	mg/Kg	87%		75-125	3	20	0.97
Silver	46.33	ND	48.54	mg/Kg	95%		75-125	4	20	0.97
Thallium	91.22	ND	97.09	mg/Kg	94%		75-125	3	20	0.97
Vanadium	137.5	45.86	97.09	mg/Kg	94%		75-125	10	20	0.97
Zinc	130.2	40.76	97.09	mg/Kg	92%		75-125	7	20	0.97

ENTHALPY ANALYTICAL

Batch QC

Type:	Blank	Lab ID:	QC1064132	Batch:	313440
Matrix:	Soil	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1064132 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0		05/08/23	05/10/23
Arsenic	ND		mg/Kg	1.0		05/08/23	05/10/23
Barium	ND		mg/Kg	1.0		05/08/23	05/10/23
Beryllium	ND		mg/Kg	0.50		05/08/23	05/10/23
Cadmium	ND		mg/Kg	0.50		05/08/23	05/10/23
Chromium	ND		mg/Kg	1.0		05/08/23	05/10/23
Cobalt	ND		mg/Kg	0.50		05/08/23	05/10/23
Copper	ND		mg/Kg	1.0		05/08/23	05/10/23
Lead	ND		mg/Kg	1.0		05/08/23	05/10/23
Molybdenum	ND		mg/Kg	1.0		05/08/23	05/10/23
Nickel	ND		mg/Kg	1.0		05/08/23	05/10/23
Selenium	ND		mg/Kg	3.0		05/08/23	05/10/23
Silver	ND		mg/Kg	0.50		05/08/23	05/10/23
Thallium	ND		mg/Kg	3.0		05/08/23	05/10/23
Vanadium	ND		mg/Kg	1.0		05/08/23	05/10/23
Zinc	ND		mg/Kg	5.0		05/08/23	05/10/23

Type:	Lab Control Sample	Lab ID:	QC1064133	Batch:	313440
Matrix:	Soil	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1064133 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	103.6	100.0	mg/Kg	104%		80-120
Arsenic	99.02	100.0	mg/Kg	99%		80-120
Barium	107.5	100.0	mg/Kg	107%		80-120
Beryllium	111.1	100.0	mg/Kg	111%		80-120
Cadmium	106.2	100.0	mg/Kg	106%		80-120
Chromium	110.0	100.0	mg/Kg	110%		80-120
Cobalt	108.0	100.0	mg/Kg	108%		80-120
Copper	112.8	100.0	mg/Kg	113%		80-120
Lead	102.5	100.0	mg/Kg	103%		80-120
Molybdenum	101.5	100.0	mg/Kg	102%		80-120
Nickel	105.7	100.0	mg/Kg	106%		80-120
Selenium	94.63	100.0	mg/Kg	95%		80-120
Silver	50.01	50.00	mg/Kg	100%		80-120
Thallium	103.2	100.0	mg/Kg	103%		80-120
Vanadium	104.7	100.0	mg/Kg	105%		80-120
Zinc	105.8	100.0	mg/Kg	106%		80-120

Batch QC

Type: Blank	Lab ID: QC1065470	Batch: 313849
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1065470 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0		05/12/23	05/15/23
Arsenic	ND		mg/Kg	1.0		05/12/23	05/15/23
Barium	ND		mg/Kg	1.0		05/12/23	05/15/23
Beryllium	ND		mg/Kg	0.50		05/12/23	05/16/23
Cadmium	ND		mg/Kg	0.50		05/12/23	05/15/23
Chromium	ND		mg/Kg	1.0		05/12/23	05/15/23
Cobalt	ND		mg/Kg	0.50		05/12/23	05/15/23
Copper	ND		mg/Kg	1.0		05/12/23	05/15/23
Lead	ND		mg/Kg	1.0		05/12/23	05/15/23
Molybdenum	ND		mg/Kg	1.0		05/12/23	05/15/23
Nickel	ND		mg/Kg	1.0		05/12/23	05/15/23
Selenium	ND		mg/Kg	3.0		05/12/23	05/15/23
Silver	ND		mg/Kg	0.50		05/12/23	05/15/23
Thallium	ND		mg/Kg	3.0		05/12/23	05/15/23
Vanadium	ND		mg/Kg	1.0		05/12/23	05/15/23
Zinc	ND		mg/Kg	5.0		05/12/23	05/15/23

Type: Lab Control Sample	Lab ID: QC1065471	Batch: 313849
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1065471 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	110.5	100.0	mg/Kg	111%		80-120
Arsenic	110.6	100.0	mg/Kg	111%		80-120
Barium	108.2	100.0	mg/Kg	108%		80-120
Beryllium	116.1	100.0	mg/Kg	116%		80-120
Cadmium	106.7	100.0	mg/Kg	107%		80-120
Chromium	108.8	100.0	mg/Kg	109%		80-120
Cobalt	115.4	100.0	mg/Kg	115%		80-120
Copper	108.1	100.0	mg/Kg	108%		80-120
Lead	110.9	100.0	mg/Kg	111%		80-120
Molybdenum	112.1	100.0	mg/Kg	112%		80-120
Nickel	110.6	100.0	mg/Kg	111%		80-120
Selenium	102.3	100.0	mg/Kg	102%		80-120
Silver	51.72	50.00	mg/Kg	103%		80-120
Thallium	110.8	100.0	mg/Kg	111%		80-120
Vanadium	108.2	100.0	mg/Kg	108%		80-120
Zinc	113.2	100.0	mg/Kg	113%		80-120

Batch QC

Type:	Matrix Spike	Lab ID:	QC1065472	Batch:	313849
Matrix (Source ID):	Soil (484750-003)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1065472 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	27.01	ND	100.0	mg/Kg	27%	*	75-125	1
Arsenic	113.0	3.440	100.0	mg/Kg	110%		75-125	1
Barium	290.0	177.0	100.0	mg/Kg	113%		75-125	1
Beryllium	110.5	0.3268	100.0	mg/Kg	110%		75-125	1
Cadmium	103.4	ND	100.0	mg/Kg	103%		75-125	1
Chromium	124.3	15.19	100.0	mg/Kg	109%		75-125	1
Cobalt	108.8	4.903	100.0	mg/Kg	104%		75-125	1
Copper	124.7	13.85	100.0	mg/Kg	111%		75-125	1
Lead	268.6	234.7	100.0	mg/Kg	34%	*	75-125	1
Molybdenum	101.3	ND	100.0	mg/Kg	101%		75-125	1
Nickel	109.8	9.196	100.0	mg/Kg	101%		75-125	1
Selenium	101.3	0.4043	100.0	mg/Kg	101%		75-125	1
Silver	52.86	ND	50.00	mg/Kg	106%		75-125	1
Thallium	106.4	ND	100.0	mg/Kg	106%		75-125	1
Vanadium	146.2	37.26	100.0	mg/Kg	109%		75-125	1
Zinc	169.5	55.67	100.0	mg/Kg	114%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1065473	Batch:	313849
Matrix (Source ID):	Soil (484750-003)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1065473 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	26.32	ND	100.0	mg/Kg	26%	*	75-125	3	41	1
Arsenic	108.9	3.440	100.0	mg/Kg	105%		75-125	4	35	1
Barium	265.1	177.0	100.0	mg/Kg	88%		75-125	9	20	1
Beryllium	109.0	0.3268	100.0	mg/Kg	109%		75-125	1	20	1
Cadmium	100.3	ND	100.0	mg/Kg	100%		75-125	3	20	1
Chromium	129.1	15.19	100.0	mg/Kg	114%		75-125	4	20	1
Cobalt	106.0	4.903	100.0	mg/Kg	101%		75-125	3	20	1
Copper	121.8	13.85	100.0	mg/Kg	108%		75-125	2	20	1
Lead	231.3	234.7	100.0	mg/Kg	-3%	*	75-125	15	20	1
Molybdenum	97.48	ND	100.0	mg/Kg	97%		75-125	4	20	1
Nickel	108.2	9.196	100.0	mg/Kg	99%		75-125	2	20	1
Selenium	96.57	0.4043	100.0	mg/Kg	96%		75-125	5	20	1
Silver	51.18	ND	50.00	mg/Kg	102%		75-125	3	20	1
Thallium	103.1	ND	100.0	mg/Kg	103%		75-125	3	20	1
Vanadium	145.5	37.26	100.0	mg/Kg	108%		75-125	1	20	1
Zinc	155.5	55.67	100.0	mg/Kg	100%		75-125	9	20	1

Batch QC

Type:	Blank	Lab ID:	QC1065313	Batch:	313809
Matrix:	Water	Method:	EPA 7470A	Prep Method:	METHOD

QC1065313 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		ug/L	0.40		05/12/23	05/12/23

Type:	Lab Control Sample	Lab ID:	QC1065314	Batch:	313809
Matrix:	Water	Method:	EPA 7470A	Prep Method:	METHOD

QC1065314 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	5.159	5.000	ug/L	103%		80-120

Type:	Matrix Spike	Lab ID:	QC1065318	Batch:	313809
Matrix (Source ID):	Water (484496-001)	Method:	EPA 7470A	Prep Method:	METHOD

QC1065318 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	5.188	ND	5.000	ug/L	104%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1065319	Batch:	313809
Matrix (Source ID):	Water (484496-001)	Method:	EPA 7470A	Prep Method:	METHOD

QC1065319 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	5.091	ND	5.000	ug/L	102%		75-125	2	20	1

Type:	Matrix Spike	Lab ID:	QC1065320	Batch:	313809
Matrix (Source ID):	Water (484619-008)	Method:	EPA 7470A	Prep Method:	METHOD

QC1065320 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	6.397	1.547	5.000	ug/L	97%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1065321	Batch:	313809
Matrix (Source ID):	Water (484619-008)	Method:	EPA 7470A	Prep Method:	METHOD

QC1065321 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	5.751	1.547	5.000	ug/L	84%		75-125	11	20	1

Batch QC

Type: Blank	Lab ID: QC1064617	Batch: 313608
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1064617 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14		05/11/23	05/11/23

Type: Lab Control Sample	Lab ID: QC1064618	Batch: 313608
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1064618 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8574	0.8333	mg/Kg	103%		80-120

Type: Matrix Spike	Lab ID: QC1064619	Batch: 313608
Matrix (Source ID): Soil (484666-001)	Method: EPA 7471A	Prep Method: METHOD

QC1064619 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.9457	0.04525	0.9091	mg/Kg	99%		75-125	1.1

Type: Matrix Spike Duplicate	Lab ID: QC1064620	Batch: 313608
Matrix (Source ID): Soil (484666-001)	Method: EPA 7471A	Prep Method: METHOD

QC1064620 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	1.088	0.04525	1.000	mg/Kg	104%		75-125	5	20	1.2

Type: Blank	Lab ID: QC1065891	Batch: 313966
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1065891 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14		05/15/23	05/15/23

Type: Lab Control Sample	Lab ID: QC1065892	Batch: 313966
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1065892 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8247	0.8333	mg/Kg	99%		80-120

Batch QC

Type:	Matrix Spike	Lab ID:	QC1065893	Batch:	313966
Matrix (Source ID):	Soil (485017-001)	Method:	EPA 7471A	Prep Method:	METHOD

QC1065893 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.9923	0.03477	0.9615	mg/Kg	100%		75-125	1.2

Type:	Matrix Spike Duplicate	Lab ID:	QC1065894	Batch:	313966
Matrix (Source ID):	Soil (485017-001)	Method:	EPA 7471A	Prep Method:	METHOD

QC1065894 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	1.034	0.03477	0.9804	mg/Kg	102%		75-125	2	20	1.2

Type:	Blank	Lab ID:	QC1063727	Batch:	313344
Matrix:	Water	Method:	EPA 8015B	Prep Method:	EPA 3510C

QC1063727 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
TPH (C13-C28)	ND		mg/L	0.10	0.053	05/06/23	05/10/23
TPH (C29-C44)	ND		mg/L	0.30	0.053	05/06/23	05/10/23
Surrogates				**Limits**			
n-Triacontane	55%		%REC	35-130		05/06/23	05/10/23

Type:	Lab Control Sample	Lab ID:	QC1063911	Batch:	313344
Matrix:	Water	Method:	EPA 8015B	Prep Method:	EPA 3510C

QC1063911 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	0.6317	1.000	mg/L	63%		42-120
Surrogates						
n-Triacontane	0.01188	0.02000	mg/L	59%		35-130

Type:	Lab Control Sample Duplicate	Lab ID:	QC1063912	Batch:	313344
Matrix:	Water	Method:	EPA 8015B	Prep Method:	EPA 3510C

QC1063912 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	0.6407	1.000	mg/L	64%		42-120	1	36
Surrogates								
n-Triacontane	0.01125	0.02000	mg/L	56%		35-130		

Batch QC

Type:	Blank	Lab ID:	QC1064435	Batch:	313536
Matrix:	Soil	Method:	EPA 8015M	Prep Method:	EPA 3580M

QC1064435 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
GRO C8-C10	ND		mg/Kg	10		05/09/23	05/11/23
DRO C10-C28	ND		mg/Kg	10		05/09/23	05/11/23
ORO C28-C44	ND		mg/Kg	20		05/09/23	05/11/23
Surrogates				**Limits**			
n-Triacontane	97%		%REC	70-130		05/09/23	05/11/23

Type:	Lab Control Sample	Lab ID:	QC1064436	Batch:	313536
Matrix:	Soil	Method:	EPA 8015M	Prep Method:	EPA 3580M

QC1064436 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	261.8	247.9	mg/Kg	106%		76-122
Surrogates						
n-Triacontane	9.389	9.916	mg/Kg	95%		70-130

Type:	Matrix Spike	Lab ID:	QC1064437	Batch:	313536
Matrix (Source ID):	Soil (484669-002)	Method:	EPA 8015M	Prep Method:	EPA 3580M

QC1064437 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	423.9	215.0	248.9	mg/Kg	84%		62-126	5
Surrogates								
n-Triacontane	7.629		9.955	mg/Kg		DO	70-130	5

Type:	Matrix Spike Duplicate	Lab ID:	QC1064438	Batch:	313536
Matrix (Source ID):	Soil (484669-002)	Method:	EPA 8015M	Prep Method:	EPA 3580M

QC1064438 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	397.6	215.0	249.5	mg/Kg	73%		62-126	7	35	5
Surrogates										
n-Triacontane	8.066		9.980	mg/Kg		DO	70-130			5

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1064226**	**Batch:**	**313470**
Matrix:	**Soil**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1064226 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	50		05/09/23	05/09/23
Aroclor-1221	ND		ug/Kg	50		05/09/23	05/09/23
Aroclor-1232	ND		ug/Kg	50		05/09/23	05/09/23
Aroclor-1242	ND		ug/Kg	50		05/09/23	05/09/23
Aroclor-1248	ND		ug/Kg	50		05/09/23	05/09/23
Aroclor-1254	ND		ug/Kg	50		05/09/23	05/09/23
Aroclor-1260	ND		ug/Kg	50		05/09/23	05/09/23
Aroclor-1262	ND		ug/Kg	50		05/09/23	05/09/23
Aroclor-1268	ND		ug/Kg	50		05/09/23	05/09/23
Surrogates				**Limits**			
Decachlorobiphenyl (PCB)	89%		%REC	19-121		05/09/23	05/09/23

Type:	**Lab Control Sample**	**Lab ID:**	**QC1064230**	**Batch:**	**313470**
Matrix:	**Miscell.**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1064230 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	462.3	496.5	ug/Kg	93%		14-150
Aroclor-1260	410.6	496.5	ug/Kg	83%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	32.48	49.65	ug/Kg	65%		19-121

Type:	**Matrix Spike**	**Lab ID:**	**QC1064231**	**Batch:**	**313470**
Matrix (Source ID):	**Soil (484652-001)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1064231 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	518.1	ND	500.0	ug/Kg	104%		42-127	1
Aroclor-1260	553.1	ND	500.0	ug/Kg	111%		38-130	1
Surrogates								
Decachlorobiphenyl (PCB)	49.49		50.00	ug/Kg	99%		19-121	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1064232	Batch:	313470
Matrix (Source ID):	Soil (484652-001)	Method:	EPA 8082	Prep Method:	EPA 3546

QC1064232 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	493.1	ND	490.2	ug/Kg	101%		42-127	3	30	0.98
Aroclor-1260	530.2	ND	490.2	ug/Kg	108%		38-130	2	30	0.98
Surrogates										
Decachlorobiphenyl (PCB)	47.93		49.02	ug/Kg	98%		19-121			0.98

Type:	Lab Control Sample	Lab ID:	QC1064248	Batch:	313475
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1064248 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	51.85	50.00	ug/L	104%		70-135
Benzene	51.19	50.00	ug/L	102%		70-130
Trichloroethene	61.11	50.00	ug/L	122%		70-130
Toluene	54.80	50.00	ug/L	110%		70-130
Chlorobenzene	56.84	50.00	ug/L	114%		70-130
Surrogates						
Dibromofluoromethane	50.43	50.00	ug/L	101%		70-130
1,2-Dichloroethane-d4	48.13	50.00	ug/L	96%		70-130
Toluene-d8	53.88	50.00	ug/L	108%		70-130
Bromofluorobenzene	45.67	50.00	ug/L	91%		70-130

Type:	Lab Control Sample Duplicate	Lab ID:	QC1064249	Batch:	313475
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1064249 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	48.66	50.00	ug/L	97%		70-135	6	30
Benzene	48.17	50.00	ug/L	96%		70-130	6	30
Trichloroethene	56.37	50.00	ug/L	113%		70-130	8	30
Toluene	50.21	50.00	ug/L	100%		70-130	9	30
Chlorobenzene	53.20	50.00	ug/L	106%		70-130	7	30
Surrogates								
Dibromofluoromethane	50.47	50.00	ug/L	101%		70-130		
1,2-Dichloroethane-d4	48.94	50.00	ug/L	98%		70-130		
Toluene-d8	53.88	50.00	ug/L	108%		70-130		
Bromofluorobenzene	46.17	50.00	ug/L	92%		70-130		

Batch QC

Type:	Lab Control Sample	Lab ID:	QC1064250	Batch:	313475
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1064250 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	412.5	500.0	ug/L	82%		70-130
Surrogates						
Dibromofluoromethane	48.68	50.00	ug/L	97%		70-130
1,2-Dichloroethane-d4	49.32	50.00	ug/L	99%		70-130
Toluene-d8	57.40	50.00	ug/L	115%		70-130
Bromofluorobenzene	48.62	50.00	ug/L	97%		70-130

Type:	Lab Control Sample Duplicate	Lab ID:	QC1064251	Batch:	313475
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1064251 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
TPH Gasoline	405.2	500.0	ug/L	81%		70-130	2	30
Surrogates								
Dibromofluoromethane	48.98	50.00	ug/L	98%		70-130		
1,2-Dichloroethane-d4	49.30	50.00	ug/L	99%		70-130		
Toluene-d8	56.06	50.00	ug/L	112%		70-130		
Bromofluorobenzene	47.71	50.00	ug/L	95%		70-130		

ENTHALPY ANALYTICAL

Batch QC

Type:	Blank	Lab ID:	QC1064253	Batch:	313475
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1064253 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
TPH Gasoline	ND		ug/L	50		05/09/23	05/09/23
Isopropyl Ether (DIPE)	ND		ug/L	1.0		05/09/23	05/09/23
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0		05/09/23	05/09/23
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0		05/09/23	05/09/23
tert-Butyl Alcohol (TBA)	ND		ug/L	10		05/09/23	05/09/23
3-Chloropropene	ND		ug/L	5.0		05/09/23	05/09/23
Freon 12	ND		ug/L	5.0		05/09/23	05/09/23
Chloromethane	ND		ug/L	5.0		05/09/23	05/09/23
Vinyl Chloride	ND		ug/L	5.0		05/09/23	05/09/23
Bromomethane	ND		ug/L	5.0		05/09/23	05/09/23
Chloroethane	ND		ug/L	5.0		05/09/23	05/09/23
Trichlorofluoromethane	ND		ug/L	5.0		05/09/23	05/09/23
Acetone	ND		ug/L	100		05/09/23	05/09/23
Freon 113	ND		ug/L	5.0		05/09/23	05/09/23
1,1-Dichloroethene	ND		ug/L	5.0		05/09/23	05/09/23
Methylene Chloride	ND		ug/L	5.0		05/09/23	05/09/23
MTBE	ND		ug/L	5.0		05/09/23	05/09/23
trans-1,2-Dichloroethene	ND		ug/L	5.0		05/09/23	05/09/23
1,1-Dichloroethane	ND		ug/L	5.0		05/09/23	05/09/23
2-Butanone	ND		ug/L	100		05/09/23	05/09/23
cis-1,2-Dichloroethene	ND		ug/L	5.0		05/09/23	05/09/23
2,2-Dichloropropane	ND		ug/L	5.0		05/09/23	05/09/23
Chloroform	ND		ug/L	5.0		05/09/23	05/09/23
Bromochloromethane	ND		ug/L	5.0		05/09/23	05/09/23
1,1,1-Trichloroethane	ND		ug/L	5.0		05/09/23	05/09/23
1,1-Dichloropropene	ND		ug/L	5.0		05/09/23	05/09/23
Carbon Tetrachloride	ND		ug/L	5.0		05/09/23	05/09/23
1,2-Dichloroethane	ND		ug/L	5.0		05/09/23	05/09/23
Benzene	ND		ug/L	5.0		05/09/23	05/09/23
Trichloroethene	ND		ug/L	5.0		05/09/23	05/09/23
1,2-Dichloropropane	ND		ug/L	5.0		05/09/23	05/09/23
Bromodichloromethane	ND		ug/L	5.0		05/09/23	05/09/23
Dibromomethane	ND		ug/L	5.0		05/09/23	05/09/23
4-Methyl-2-Pentanone	ND		ug/L	5.0		05/09/23	05/09/23
cis-1,3-Dichloropropene	ND		ug/L	5.0		05/09/23	05/09/23
Toluene	ND		ug/L	5.0		05/09/23	05/09/23
trans-1,3-Dichloropropene	ND		ug/L	5.0		05/09/23	05/09/23
1,1,2-Trichloroethane	ND		ug/L	5.0		05/09/23	05/09/23
1,3-Dichloropropane	ND		ug/L	5.0		05/09/23	05/09/23
Tetrachloroethene	ND		ug/L	5.0		05/09/23	05/09/23
Dibromochloromethane	ND		ug/L	5.0		05/09/23	05/09/23
1,2-Dibromoethane	ND		ug/L	5.0		05/09/23	05/09/23

Batch QC

QC1064253 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorobenzene	ND		ug/L	5.0		05/09/23	05/09/23
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0		05/09/23	05/09/23
Ethylbenzene	ND		ug/L	5.0		05/09/23	05/09/23
m,p-Xylenes	ND		ug/L	10		05/09/23	05/09/23
o-Xylene	ND		ug/L	5.0		05/09/23	05/09/23
Styrene	ND		ug/L	5.0		05/09/23	05/09/23
Bromoform	ND		ug/L	5.0		05/09/23	05/09/23
Isopropylbenzene	ND		ug/L	5.0		05/09/23	05/09/23
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0		05/09/23	05/09/23
1,2,3-Trichloropropane	ND		ug/L	5.0		05/09/23	05/09/23
Propylbenzene	ND		ug/L	5.0		05/09/23	05/09/23
Bromobenzene	ND		ug/L	5.0		05/09/23	05/09/23
1,3,5-Trimethylbenzene	ND		ug/L	5.0		05/09/23	05/09/23
2-Chlorotoluene	ND		ug/L	5.0		05/09/23	05/09/23
4-Chlorotoluene	ND		ug/L	5.0		05/09/23	05/09/23
tert-Butylbenzene	ND		ug/L	5.0		05/09/23	05/09/23
1,2,4-Trimethylbenzene	ND		ug/L	5.0		05/09/23	05/09/23
sec-Butylbenzene	ND		ug/L	5.0		05/09/23	05/09/23
para-Isopropyl Toluene	ND		ug/L	5.0		05/09/23	05/09/23
1,3-Dichlorobenzene	ND		ug/L	5.0		05/09/23	05/09/23
1,4-Dichlorobenzene	ND		ug/L	5.0		05/09/23	05/09/23
n-Butylbenzene	ND		ug/L	5.0		05/09/23	05/09/23
1,2-Dichlorobenzene	ND		ug/L	5.0		05/09/23	05/09/23
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0		05/09/23	05/09/23
1,2,4-Trichlorobenzene	ND		ug/L	5.0		05/09/23	05/09/23
Hexachlorobutadiene	ND		ug/L	5.0		05/09/23	05/09/23
Naphthalene	ND		ug/L	5.0		05/09/23	05/09/23
1,2,3-Trichlorobenzene	ND		ug/L	5.0		05/09/23	05/09/23
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0		05/09/23	05/09/23
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0		05/09/23	05/09/23
Xylene (total)	ND		ug/L	5.0		05/09/23	05/09/23
Surrogates				**Limits**			
Dibromofluoromethane	98%		%REC	70-130		05/09/23	05/09/23
1,2-Dichloroethane-d4	99%		%REC	70-130		05/09/23	05/09/23
Toluene-d8	117%		%REC	70-130		05/09/23	05/09/23
Bromofluorobenzene	99%		%REC	70-130		05/09/23	05/09/23

Batch QC

Type:	Lab Control Sample	Lab ID:	QC1063944	Batch:	313391
Matrix:	Soil	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1063944 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	54.87	50.00	ug/Kg	110%		70-131
MTBE	48.24	50.00	ug/Kg	96%		69-130
Benzene	53.86	50.00	ug/Kg	108%		70-130
Trichloroethene	54.81	50.00	ug/Kg	110%		70-130
Toluene	55.22	50.00	ug/Kg	110%		70-130
Chlorobenzene	55.68	50.00	ug/Kg	111%		70-130
Surrogates						
Dibromofluoromethane	50.60	50.00	ug/Kg	101%		70-130
1,2-Dichloroethane-d4	47.06	50.00	ug/Kg	94%		70-145
Toluene-d8	50.32	50.00	ug/Kg	101%		70-145
Bromofluorobenzene	50.91	50.00	ug/Kg	102%		70-145

Type:	Lab Control Sample Duplicate	Lab ID:	QC1063945	Batch:	313391
Matrix:	Soil	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1063945 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	48.55	50.00	ug/Kg	97%		70-131	12	33
MTBE	44.88	50.00	ug/Kg	90%		69-130	7	30
Benzene	48.52	50.00	ug/Kg	97%		70-130	10	30
Trichloroethene	47.32	50.00	ug/Kg	95%		70-130	15	30
Toluene	47.98	50.00	ug/Kg	96%		70-130	14	30
Chlorobenzene	49.32	50.00	ug/Kg	99%		70-130	12	30
Surrogates								
Dibromofluoromethane	50.10	50.00	ug/Kg	100%		70-130		
1,2-Dichloroethane-d4	47.46	50.00	ug/Kg	95%		70-145		
Toluene-d8	49.49	50.00	ug/Kg	99%		70-145		
Bromofluorobenzene	50.19	50.00	ug/Kg	100%		70-145		

ENTHALPY ANALYTICAL

Batch QC

Type:	Blank	Lab ID:	QC1063948	Batch:	313391
Matrix:	Soil	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1063948 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0		05/08/23	05/08/23
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		05/08/23	05/08/23
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		05/08/23	05/08/23
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0		05/08/23	05/08/23
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0		05/08/23	05/08/23
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0		05/08/23	05/08/23
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10		05/08/23	05/08/23
Freon 12	ND		ug/Kg	5.0		05/08/23	05/08/23
Chloromethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Vinyl Chloride	ND		ug/Kg	5.0		05/08/23	05/08/23
Bromomethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Chloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Trichlorofluoromethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Acetone	ND		ug/Kg	100		05/08/23	05/08/23
Freon 113	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1-Dichloroethene	ND		ug/Kg	5.0		05/08/23	05/08/23
Methylene Chloride	ND		ug/Kg	5.0		05/08/23	05/08/23
MTBE	ND		ug/Kg	5.0		05/08/23	05/08/23
trans-1,2-Dichloroethene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1-Dichloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
2-Butanone	ND		ug/Kg	100		05/08/23	05/08/23
cis-1,2-Dichloroethene	ND		ug/Kg	5.0		05/08/23	05/08/23
2,2-Dichloropropane	ND		ug/Kg	5.0		05/08/23	05/08/23
Chloroform	ND		ug/Kg	5.0		05/08/23	05/08/23
Bromochloromethane	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1,1-Trichloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1-Dichloropropene	ND		ug/Kg	5.0		05/08/23	05/08/23
Carbon Tetrachloride	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2-Dichloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Benzene	ND		ug/Kg	5.0		05/08/23	05/08/23
Trichloroethene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2-Dichloropropane	ND		ug/Kg	5.0		05/08/23	05/08/23
Bromodichloromethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Dibromomethane	ND		ug/Kg	5.0		05/08/23	05/08/23
4-Methyl-2-Pentanone	ND		ug/Kg	5.0		05/08/23	05/08/23
cis-1,3-Dichloropropene	ND		ug/Kg	5.0		05/08/23	05/08/23
Toluene	ND		ug/Kg	5.0		05/08/23	05/08/23
trans-1,3-Dichloropropene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1,2-Trichloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
1,3-Dichloropropane	ND		ug/Kg	5.0		05/08/23	05/08/23
Tetrachloroethene	ND		ug/Kg	5.0		05/08/23	05/08/23
Dibromochloromethane	ND		ug/Kg	5.0		05/08/23	05/08/23

Batch QC

QC1063948 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,2-Dibromoethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Chlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Ethylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
m,p-Xylenes	ND		ug/Kg	10		05/08/23	05/08/23
o-Xylene	ND		ug/Kg	5.0		05/08/23	05/08/23
Styrene	ND		ug/Kg	5.0		05/08/23	05/08/23
Bromoform	ND		ug/Kg	5.0		05/08/23	05/08/23
Isopropylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2,3-Trichloropropane	ND		ug/Kg	5.0		05/08/23	05/08/23
Propylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
Bromobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
2-Chlorotoluene	ND		ug/Kg	5.0		05/08/23	05/08/23
4-Chlorotoluene	ND		ug/Kg	5.0		05/08/23	05/08/23
tert-Butylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
sec-Butylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
para-Isopropyl Toluene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,3-Dichlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,4-Dichlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
n-Butylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2-Dichlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
Hexachlorobutadiene	ND		ug/Kg	5.0		05/08/23	05/08/23
Naphthalene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
Xylene (total)	ND		ug/Kg	5.0		05/08/23	05/08/23
Surrogates				**Limits**			
Dibromofluoromethane	96%		%REC	70-130		05/08/23	05/08/23
1,2-Dichloroethane-d4	96%		%REC	70-145		05/08/23	05/08/23
Toluene-d8	101%		%REC	70-145		05/08/23	05/08/23
Bromofluorobenzene	99%		%REC	70-145		05/08/23	05/08/23

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample	Lab ID:	QC1063950	Batch:	313392
Matrix:	Soil	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1063950 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	51.53	50.00	ug/Kg	103%		70-131
MTBE	44.95	50.00	ug/Kg	90%		69-130
Benzene	51.52	50.00	ug/Kg	103%		70-130
Trichloroethene	62.46	50.00	ug/Kg	125%		70-130
Toluene	51.47	50.00	ug/Kg	103%		70-130
Chlorobenzene	56.54	50.00	ug/Kg	113%		70-130
Surrogates						
Dibromofluoromethane	49.54	50.00	ug/Kg	99%		70-130
1,2-Dichloroethane-d4	46.35	50.00	ug/Kg	93%		70-145
Toluene-d8	47.46	50.00	ug/Kg	95%		70-145
Bromofluorobenzene	46.14	50.00	ug/Kg	92%		70-145

Type:	Lab Control Sample Duplicate	Lab ID:	QC1063951	Batch:	313392
Matrix:	Soil	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1063951 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	49.44	50.00	ug/Kg	99%		70-131	4	33
MTBE	43.64	50.00	ug/Kg	87%		69-130	3	30
Benzene	48.18	50.00	ug/Kg	96%		70-130	7	30
Trichloroethene	57.56	50.00	ug/Kg	115%		70-130	8	30
Toluene	47.58	50.00	ug/Kg	95%		70-130	8	30
Chlorobenzene	53.68	50.00	ug/Kg	107%		70-130	5	30
Surrogates								
Dibromofluoromethane	49.27	50.00	ug/Kg	99%		70-130		
1,2-Dichloroethane-d4	45.74	50.00	ug/Kg	91%		70-145		
Toluene-d8	47.07	50.00	ug/Kg	94%		70-145		
Bromofluorobenzene	46.25	50.00	ug/Kg	93%		70-145		

Batch QC

Type:	Blank	Lab ID:	QC1063954	Batch:	313392
Matrix:	Soil	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1063954 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0		05/08/23	05/08/23
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		05/08/23	05/08/23
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		05/08/23	05/08/23
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0		05/08/23	05/08/23
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0		05/08/23	05/08/23
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0		05/08/23	05/08/23
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10		05/08/23	05/08/23
Freon 12	ND		ug/Kg	5.0		05/08/23	05/08/23
Chloromethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Vinyl Chloride	ND		ug/Kg	5.0		05/08/23	05/08/23
Bromomethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Chloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Trichlorofluoromethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Acetone	ND		ug/Kg	100		05/08/23	05/08/23
Freon 113	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1-Dichloroethene	ND		ug/Kg	5.0		05/08/23	05/08/23
Methylene Chloride	ND		ug/Kg	5.0		05/08/23	05/08/23
MTBE	ND		ug/Kg	5.0		05/08/23	05/08/23
trans-1,2-Dichloroethene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1-Dichloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
2-Butanone	ND		ug/Kg	100		05/08/23	05/08/23
cis-1,2-Dichloroethene	ND		ug/Kg	5.0		05/08/23	05/08/23
2,2-Dichloropropane	ND		ug/Kg	5.0		05/08/23	05/08/23
Chloroform	ND		ug/Kg	5.0		05/08/23	05/08/23
Bromochloromethane	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1,1-Trichloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1-Dichloropropene	ND		ug/Kg	5.0		05/08/23	05/08/23
Carbon Tetrachloride	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2-Dichloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Benzene	ND		ug/Kg	5.0		05/08/23	05/08/23
Trichloroethene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2-Dichloropropane	ND		ug/Kg	5.0		05/08/23	05/08/23
Bromodichloromethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Dibromomethane	ND		ug/Kg	5.0		05/08/23	05/08/23
4-Methyl-2-Pentanone	ND		ug/Kg	8.1		05/08/23	05/08/23
cis-1,3-Dichloropropene	ND		ug/Kg	5.0		05/08/23	05/08/23
Toluene	ND		ug/Kg	5.0		05/08/23	05/08/23
trans-1,3-Dichloropropene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1,2-Trichloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
1,3-Dichloropropane	ND		ug/Kg	5.0		05/08/23	05/08/23
Tetrachloroethene	ND		ug/Kg	5.0		05/08/23	05/08/23
Dibromochloromethane	ND		ug/Kg	5.0		05/08/23	05/08/23

ENTHALPY ANALYTICAL

Batch QC

QC1063954 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,2-Dibromoethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Chlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Ethylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
m,p-Xylenes	ND		ug/Kg	10		05/08/23	05/08/23
o-Xylene	ND		ug/Kg	5.0		05/08/23	05/08/23
Styrene	ND		ug/Kg	5.0		05/08/23	05/08/23
Bromoform	ND		ug/Kg	5.0		05/08/23	05/08/23
Isopropylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2,3-Trichloropropane	ND		ug/Kg	5.0		05/08/23	05/08/23
Propylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
Bromobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
2-Chlorotoluene	ND		ug/Kg	5.0		05/08/23	05/08/23
4-Chlorotoluene	ND		ug/Kg	5.0		05/08/23	05/08/23
tert-Butylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
sec-Butylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
para-Isopropyl Toluene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,3-Dichlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,4-Dichlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
n-Butylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2-Dichlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
Hexachlorobutadiene	ND		ug/Kg	5.0		05/08/23	05/08/23
Naphthalene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
Xylene (total)	ND		ug/Kg	5.0		05/08/23	05/08/23
Surrogates				**Limits**			
Dibromofluoromethane	98%		%REC	70-130		05/08/23	05/08/23
1,2-Dichloroethane-d4	99%		%REC	70-145		05/08/23	05/08/23
Toluene-d8	110%		%REC	70-145		05/08/23	05/08/23
Bromofluorobenzene	98%		%REC	70-145		05/08/23	05/08/23

Batch QC

Type:	Lab Control Sample	Lab ID:	QC1064168	Batch:	313454
Matrix:	Soil	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1064168 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	54.95	50.00	ug/Kg	110%		70-131
MTBE	52.62	50.00	ug/Kg	105%		69-130
Benzene	53.74	50.00	ug/Kg	107%		70-130
Trichloroethene	54.13	50.00	ug/Kg	108%		70-130
Toluene	54.17	50.00	ug/Kg	108%		70-130
Chlorobenzene	56.62	50.00	ug/Kg	113%		70-130
Surrogates						
Dibromofluoromethane	49.66	50.00	ug/Kg	99%		70-130
1,2-Dichloroethane-d4	50.64	50.00	ug/Kg	101%		70-145
Toluene-d8	50.31	50.00	ug/Kg	101%		70-145
Bromofluorobenzene	50.32	50.00	ug/Kg	101%		70-145

Type:	Lab Control Sample Duplicate	Lab ID:	QC1064169	Batch:	313454
Matrix:	Soil	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1064169 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	51.76	50.00	ug/Kg	104%		70-131	6	33
MTBE	50.53	50.00	ug/Kg	101%		69-130	4	30
Benzene	51.92	50.00	ug/Kg	104%		70-130	3	30
Trichloroethene	51.94	50.00	ug/Kg	104%		70-130	4	30
Toluene	52.41	50.00	ug/Kg	105%		70-130	3	30
Chlorobenzene	53.65	50.00	ug/Kg	107%		70-130	5	30
Surrogates								
Dibromofluoromethane	49.83	50.00	ug/Kg	100%		70-130		
1,2-Dichloroethane-d4	50.16	50.00	ug/Kg	100%		70-145		
Toluene-d8	49.81	50.00	ug/Kg	100%		70-145		
Bromofluorobenzene	49.25	50.00	ug/Kg	98%		70-145		

ENTHALPY ANALYTICAL

Batch QC

Type:	Blank	Lab ID:	QC1064172	Batch:	313454
Matrix:	Soil	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1064172 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0		05/08/23	05/08/23
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		05/08/23	05/08/23
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		05/08/23	05/08/23
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0		05/08/23	05/08/23
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0		05/08/23	05/08/23
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0		05/08/23	05/08/23
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10		05/08/23	05/08/23
Freon 12	ND		ug/Kg	5.0		05/08/23	05/08/23
Chloromethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Vinyl Chloride	ND		ug/Kg	5.0		05/08/23	05/08/23
Bromomethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Chloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Trichlorofluoromethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Acetone	ND		ug/Kg	100		05/08/23	05/08/23
Freon 113	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1-Dichloroethene	ND		ug/Kg	5.0		05/08/23	05/08/23
Methylene Chloride	ND		ug/Kg	5.0		05/08/23	05/08/23
MTBE	ND		ug/Kg	5.0		05/08/23	05/08/23
trans-1,2-Dichloroethene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1-Dichloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
2-Butanone	ND		ug/Kg	100		05/08/23	05/08/23
cis-1,2-Dichloroethene	ND		ug/Kg	5.0		05/08/23	05/08/23
2,2-Dichloropropane	ND		ug/Kg	5.0		05/08/23	05/08/23
Chloroform	ND		ug/Kg	5.0		05/08/23	05/08/23
Bromochloromethane	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1,1-Trichloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1-Dichloropropene	ND		ug/Kg	5.0		05/08/23	05/08/23
Carbon Tetrachloride	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2-Dichloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Benzene	ND		ug/Kg	5.0		05/08/23	05/08/23
Trichloroethene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2-Dichloropropane	ND		ug/Kg	5.0		05/08/23	05/08/23
Bromodichloromethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Dibromomethane	ND		ug/Kg	5.0		05/08/23	05/08/23
4-Methyl-2-Pentanone	ND		ug/Kg	5.0		05/08/23	05/08/23
cis-1,3-Dichloropropene	ND		ug/Kg	5.0		05/08/23	05/08/23
Toluene	ND		ug/Kg	5.0		05/08/23	05/08/23
trans-1,3-Dichloropropene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1,2-Trichloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
1,3-Dichloropropane	ND		ug/Kg	5.0		05/08/23	05/08/23
Tetrachloroethene	ND		ug/Kg	5.0		05/08/23	05/08/23
Dibromochloromethane	ND		ug/Kg	5.0		05/08/23	05/08/23

ENTHALPY ANALYTICAL

Batch QC

QC1064172 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,2-Dibromoethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Chlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Ethylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
m,p-Xylenes	ND		ug/Kg	10		05/08/23	05/08/23
o-Xylene	ND		ug/Kg	5.0		05/08/23	05/08/23
Styrene	ND		ug/Kg	5.0		05/08/23	05/08/23
Bromoform	ND		ug/Kg	5.0		05/08/23	05/08/23
Isopropylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2,3-Trichloropropane	ND		ug/Kg	5.0		05/08/23	05/08/23
Propylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
Bromobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
2-Chlorotoluene	ND		ug/Kg	5.0		05/08/23	05/08/23
4-Chlorotoluene	ND		ug/Kg	5.0		05/08/23	05/08/23
tert-Butylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
sec-Butylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
para-Isopropyl Toluene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,3-Dichlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,4-Dichlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
n-Butylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2-Dichlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
Hexachlorobutadiene	ND		ug/Kg	5.0		05/08/23	05/08/23
Naphthalene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
Xylene (total)	ND		ug/Kg	5.0		05/08/23	05/08/23
Surrogates				**Limits**			
Dibromofluoromethane	97%		%REC	70-130		05/08/23	05/08/23
1,2-Dichloroethane-d4	96%		%REC	70-145		05/08/23	05/08/23
Toluene-d8	99%		%REC	70-145		05/08/23	05/08/23
Bromofluorobenzene	100%		%REC	70-145		05/08/23	05/08/23

ENTHALPY ANALYTICAL

Batch QC

Type:	Blank	Lab ID:	QC1064153	Batch:	313415
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3510C

QC1064153 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/L	0.50		05/08/23	05/08/23
2-Methylnaphthalene	ND		ug/L	0.50		05/08/23	05/08/23
Naphthalene	ND		ug/L	0.50		05/08/23	05/08/23
Acenaphthylene	ND		ug/L	0.50		05/08/23	05/08/23
Acenaphthene	ND		ug/L	0.50		05/08/23	05/08/23
Fluorene	ND		ug/L	0.50		05/08/23	05/08/23
Phenanthrene	ND		ug/L	0.50		05/08/23	05/08/23
Anthracene	ND		ug/L	0.50		05/08/23	05/08/23
Fluoranthene	ND		ug/L	0.50		05/08/23	05/08/23
Pyrene	ND		ug/L	0.50		05/08/23	05/08/23
Benzo(a)anthracene	ND		ug/L	0.50		05/08/23	05/08/23
Chrysene	ND		ug/L	0.50		05/08/23	05/08/23
Benzo(b)fluoranthene	ND		ug/L	0.50		05/08/23	05/08/23
Benzo(k)fluoranthene	ND		ug/L	0.50		05/08/23	05/08/23
Benzo(a)pyrene	ND		ug/L	0.50		05/08/23	05/08/23
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.50		05/08/23	05/08/23
Dibenz(a,h)anthracene	ND		ug/L	0.50		05/08/23	05/08/23
Benzo(g,h,i)perylene	ND		ug/L	0.50		05/08/23	05/08/23
Surrogates				**Limits**			
Nitrobenzene-d5	82%		%REC	16-125		05/08/23	05/08/23
2-Fluorobiphenyl	72%		%REC	17-120		05/08/23	05/08/23
Terphenyl-d14	74%		%REC	39-123		05/08/23	05/08/23

Batch QC

Type:	Lab Control Sample	Lab ID:	QC1064154	Batch:	313415
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3510C

QC1064154 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	3.193	4.000	ug/L	80%		23-120
2-Methylnaphthalene	3.639	4.000	ug/L	91%		33-120
Naphthalene	3.435	4.000	ug/L	86%		38-120
Acenaphthylene	3.468	4.000	ug/L	87%		37-120
Acenaphthene	3.671	4.000	ug/L	92%		39-120
Fluorene	3.575	4.000	ug/L	89%		43-120
Phenanthrene	3.833	4.000	ug/L	96%		42-120
Anthracene	3.739	4.000	ug/L	93%		42-120
Fluoranthene	3.761	4.000	ug/L	94%		48-120
Pyrene	3.823	4.000	ug/L	96%		44-120
Benzo(a)anthracene	3.807	4.000	ug/L	95%		51-126
Chrysene	3.651	4.000	ug/L	91%		47-120
Benzo(b)fluoranthene	3.999	4.000	ug/L	100%		44-127
Benzo(k)fluoranthene	3.993	4.000	ug/L	100%		43-127
Benzo(a)pyrene	3.951	4.000	ug/L	99%		29-124
Indeno(1,2,3-cd)pyrene	4.069	4.000	ug/L	102%		44-127
Dibenz(a,h)anthracene	3.725	4.000	ug/L	93%		55-120
Benzo(g,h,i)perylene	4.460	4.000	ug/L	112%		46-120
Surrogates						
Nitrobenzene-d5	3.745	4.000	ug/L	94%		16-125
2-Fluorobiphenyl	3.085	4.000	ug/L	77%		17-120
Terphenyl-d14	3.260	4.000	ug/L	82%		39-123

Batch QC

Type:	Lab Control Sample Duplicate	Lab ID:	QC1064155	Batch:	313415
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3510C

QC1064155 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1-Methylnaphthalene	3.211	4.000	ug/L	80%		23-120	1	20
2-Methylnaphthalene	3.670	4.000	ug/L	92%		33-120	1	20
Naphthalene	3.389	4.000	ug/L	85%		38-120	1	20
Acenaphthylene	3.446	4.000	ug/L	86%		37-120	1	20
Acenaphthene	3.739	4.000	ug/L	93%		39-120	2	20
Fluorene	3.687	4.000	ug/L	92%		43-120	3	20
Phenanthrene	4.024	4.000	ug/L	101%		42-120	5	20
Anthracene	3.948	4.000	ug/L	99%		42-120	5	20
Fluoranthene	4.029	4.000	ug/L	101%		48-120	7	20
Pyrene	4.077	4.000	ug/L	102%		44-120	6	20
Benzo(a)anthracene	4.086	4.000	ug/L	102%		51-126	7	20
Chrysene	3.962	4.000	ug/L	99%		47-120	8	20
Benzo(b)fluoranthene	4.264	4.000	ug/L	107%		44-127	6	20
Benzo(k)fluoranthene	4.259	4.000	ug/L	106%		43-127	6	20
Benzo(a)pyrene	3.837	4.000	ug/L	96%		29-124	3	20
Indeno(1,2,3-cd)pyrene	4.411	4.000	ug/L	110%		44-127	8	20
Dibenz(a,h)anthracene	3.999	4.000	ug/L	100%		55-120	7	20
Benzo(g,h,i)perylene	4.776	4.000	ug/L	119%		46-120	7	20
Surrogates								
Nitrobenzene-d5	3.624	4.000	ug/L	91%		16-125		
2-Fluorobiphenyl	3.081	4.000	ug/L	77%		17-120		
Terphenyl-d14	3.533	4.000	ug/L	88%		39-123		

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1064246**	**Batch:**	**313474**
Matrix:	**Soil**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3546**

QC1064246 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/Kg	10		05/09/23	05/09/23
2-Methylnaphthalene	ND		ug/Kg	10		05/09/23	05/09/23
Naphthalene	ND		ug/Kg	10		05/09/23	05/09/23
Acenaphthylene	ND		ug/Kg	10		05/09/23	05/09/23
Acenaphthene	ND		ug/Kg	10		05/09/23	05/09/23
Fluorene	ND		ug/Kg	10		05/09/23	05/09/23
Phenanthrene	ND		ug/Kg	10		05/09/23	05/09/23
Anthracene	ND		ug/Kg	10		05/09/23	05/09/23
Fluoranthene	ND		ug/Kg	10		05/09/23	05/09/23
Pyrene	ND		ug/Kg	10		05/09/23	05/09/23
Benzo(a)anthracene	ND		ug/Kg	10		05/09/23	05/09/23
Chrysene	ND		ug/Kg	10		05/09/23	05/09/23
Benzo(b)fluoranthene	ND		ug/Kg	10		05/09/23	05/09/23
Benzo(k)fluoranthene	ND		ug/Kg	10		05/09/23	05/09/23
Benzo(a)pyrene	ND		ug/Kg	10		05/09/23	05/09/23
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10		05/09/23	05/09/23
Dibenz(a,h)anthracene	ND		ug/Kg	10		05/09/23	05/09/23
Benzo(g,h,i)perylene	ND		ug/Kg	10		05/09/23	05/09/23
Surrogates				**Limits**			
Nitrobenzene-d5	79%	E	%REC	27-125		05/09/23	05/09/23
2-Fluorobiphenyl	73%	E	%REC	30-120		05/09/23	05/09/23
Terphenyl-d14	80%	E	%REC	33-155		05/09/23	05/09/23

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample	Lab ID:	QC1064389	Batch:	313474
Matrix:	Soil	Method:	EPA 8270C-SIM	Prep Method:	EPA 3546

QC1064389 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	156.4	199.6	ug/Kg	78%		28-130
2-Methylnaphthalene	163.1	199.6	ug/Kg	82%		33-130
Naphthalene	155.7	199.6	ug/Kg	78%		25-130
Acenaphthylene	167.4	199.6	ug/Kg	84%		28-130
Acenaphthene	153.7	199.6	ug/Kg	77%		32-130
Fluorene	158.3	199.6	ug/Kg	79%		35-130
Phenanthrene	157.4	199.6	ug/Kg	79%		35-132
Anthracene	165.5	199.6	ug/Kg	83%		34-136
Fluoranthene	158.0	199.6	ug/Kg	79%		34-139
Pyrene	158.2	199.6	ug/Kg	79%		35-134
Benzo(a)anthracene	149.8	199.6	ug/Kg	75%		30-132
Chrysene	157.2	199.6	ug/Kg	79%		29-130
Benzo(b)fluoranthene	145.8	199.6	ug/Kg	73%		32-137
Benzo(k)fluoranthene	152.9	199.6	ug/Kg	77%		32-130
Benzo(a)pyrene	146.1	199.6	ug/Kg	73%		10-138
Indeno(1,2,3-cd)pyrene	174.1	199.6	ug/Kg	87%		34-132
Dibenz(a,h)anthracene	176.7	199.6	ug/Kg	89%		32-130
Benzo(g,h,i)perylene	171.1	199.6	ug/Kg	86%		27-130
Surrogates						
Nitrobenzene-d5	167.3	199.6	ug/Kg	84%		27-125
2-Fluorobiphenyl	163.6	199.6	ug/Kg	82%		30-120
Terphenyl-d14	173.1	199.6	ug/Kg	87%		33-155

Batch QC

Type:	Matrix Spike	Lab ID:	QC1064390	Batch:	313474
Matrix (Source ID):	Soil (484619-017)	Method:	EPA 8270C-SIM	Prep Method:	EPA 3546

QC1064390 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1-Methylnaphthalene	102.2	ND	198.5	ug/Kg	51%		25-130	0.99
2-Methylnaphthalene	102.9	ND	198.5	ug/Kg	52%		32-133	0.99
Naphthalene	97.00	ND	198.5	ug/Kg	49%		33-130	0.99
Acenaphthylene	108.7	ND	198.5	ug/Kg	55%		14-157	0.99
Acenaphthene	96.39	ND	198.5	ug/Kg	49%		28-134	0.99
Fluorene	102.5	ND	198.5	ug/Kg	52%		27-140	0.99
Phenanthrene	113.1	ND	198.5	ug/Kg	57%		29-147	0.99
Anthracene	121.3	ND	198.5	ug/Kg	61%		24-156	0.99
Fluoranthene	124.7	3.361	198.5	ug/Kg	61%		28-160	0.99
Pyrene	124.4	2.876	198.5	ug/Kg	61%		26-153	0.99
Benzo(a)anthracene	111.6	ND	198.5	ug/Kg	56%		26-174	0.99
Chrysene	115.9	1.708	198.5	ug/Kg	58%		40-139	0.99
Benzo(b)fluoranthene	110.1	1.735	198.5	ug/Kg	55%		36-164	0.99
Benzo(k)fluoranthene	113.2	ND	198.5	ug/Kg	57%		36-161	0.99
Benzo(a)pyrene	111.8	ND	198.5	ug/Kg	56%		18-173	0.99
Indeno(1,2,3-cd)pyrene	127.5	ND	198.5	ug/Kg	64%		26-154	0.99
Dibenz(a,h)anthracene	126.7	ND	198.5	ug/Kg	64%		38-132	0.99
Benzo(g,h,i)perylene	123.1	ND	198.5	ug/Kg	62%		36-130	0.99
Surrogates								
Nitrobenzene-d5	105.8		198.5	ug/Kg	53%		27-125	0.99
2-Fluorobiphenyl	102.5		198.5	ug/Kg	52%		30-120	0.99
Terphenyl-d14	133.5		198.5	ug/Kg	67%		33-155	0.99

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1064391	Batch:	313474
Matrix (Source ID):	Soil (484619-017)	Method:	EPA 8270C-SIM	Prep Method:	EPA 3546

QC1064391 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1-Methylnaphthalene	121.7	ND	201.0	ug/Kg	61%		25-130	16	35	1
2-Methylnaphthalene	123.1	ND	201.0	ug/Kg	61%		32-133	17	35	1
Naphthalene	113.2	ND	201.0	ug/Kg	56%		33-130	14	35	1
Acenaphthylene	132.7	ND	201.0	ug/Kg	66%		14-157	19	35	1
Acenaphthene	118.9	ND	201.0	ug/Kg	59%		28-134	20	35	1
Fluorene	124.7	ND	201.0	ug/Kg	62%		27-140	18	35	1
Phenanthrene	122.3	ND	201.0	ug/Kg	61%		29-147	7	35	1
Anthracene	129.7	ND	201.0	ug/Kg	65%		24-156	5	35	1
Fluoranthene	130.0	3.361	201.0	ug/Kg	63%		28-160	3	35	1
Pyrene	129.8	2.876	201.0	ug/Kg	63%		26-153	3	35	1
Benzo(a)anthracene	118.4	ND	201.0	ug/Kg	59%		26-174	5	35	1
Chrysene	121.7	1.708	201.0	ug/Kg	60%		40-139	4	35	1
Benzo(b)fluoranthene	118.6	1.735	201.0	ug/Kg	58%		36-164	6	35	1
Benzo(k)fluoranthene	117.4	ND	201.0	ug/Kg	58%		36-161	2	35	1
Benzo(a)pyrene	117.4	ND	201.0	ug/Kg	58%		18-173	4	35	1
Indeno(1,2,3-cd)pyrene	133.2	ND	201.0	ug/Kg	66%		26-154	3	35	1
Dibenz(a,h)anthracene	134.1	ND	201.0	ug/Kg	67%		38-132	4	35	1
Benzo(g,h,i)perylene	128.5	ND	201.0	ug/Kg	64%		36-130	3	35	1
Surrogates										
Nitrobenzene-d5	126.6		201.0	ug/Kg	63%		27-125			1
2-Fluorobiphenyl	123.9		201.0	ug/Kg	62%		30-120			1
Terphenyl-d14	139.9		201.0	ug/Kg	70%		33-155			1

*	Value is outside QC limits
DO	Diluted Out
E	Response exceeds instrument's linear range
ND	Not Detected
NM	Not Meaningful
b	See narrative

Laboratory Job Number 484619

Subcontracted Products

Eurofins Southwest

eurofins | Environment Testing

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

ANALYTICAL REPORT

PREPARED FOR

Attn: Patty Mata
Enthalpy Analytical LLC
931 W. Barkley Ave
Orange, California 92868
Generated 5/22/2023 4:44:55 PM

JOB DESCRIPTION

484619

JOB NUMBER

570-137785-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

myEOL

Eurofins Calscience

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Calscience Project Manager.

Authorization

Generated
5/22/2023 4:44:55 PM

Authorized for release by
Xuan Dang, Project Manager I
Xuan.Dang@et.eurofinsus.com
(714)895-5494

Table of Contents

Definitions/Glossary

Client: Enthalpy Analytical LLC
Project/Site: 484619

Job ID: 570-137785-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Job ID: 570-137785-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-137785-1

Receipt
The sample was received on 5/9/2023 5:00 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.4°C

GC/MS Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Enthalpy Analytical LLC
Project/Site: 484619

Job ID: 570-137785-1

Client Sample ID: OF-1

Lab Sample ID: 570-137785-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Tributyltin	3.9		3.0		ug/Kg	1		Organotins SIM	Total/NA
Dibutyltin	7.4		3.0		ug/Kg	1		Organotins SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM)

Client Sample ID: OF-1
Lab Sample ID: 570-137785-1
Date Collected: 05/04/23 16:00
Matrix: Solid
Date Received: 05/09/23 17:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Tributyltin	**3.9**		3.0		ug/Kg		05/11/23 10:59	05/12/23 15:35	1
Dibutyltin	**7.4**		3.0		ug/Kg		05/11/23 10:59	05/12/23 15:35	1
Monobutyltin	ND		3.0		ug/Kg		05/11/23 10:59	05/12/23 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*112*		*39 - 150*	*05/11/23 10:59*	*05/12/23 15:35*	*1*

Client: Enthalpy Analytical LLC
Job ID: 570-137785-1
Project/Site: 484619

Method: Organotins SIM - Organotins (GC/MS SIM)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		TPTT
Lab Sample ID	Client Sample ID	(39-150)
570-137785-1	OF-1	112
LCS 570-328223/2-A	Lab Control Sample	85
LCSD 570-328223/3-A	Lab Control Sample Dup	87
MB 570-328223/1-A	Method Blank	84

Surrogate Legend

TPTT = Tripentyltin

Method: Organotins SIM - Organotins (GC/MS SIM)

Lab Sample ID: MB 570-328223/1-A
Matrix: Solid
Analysis Batch: 328572

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 328223

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Tributyltin	ND		3.0		ug/Kg		05/11/23 10:59	05/12/23 13:26	1
Dibutyltin	ND		3.0		ug/Kg		05/11/23 10:59	05/12/23 13:26	1
Monobutyltin	ND		3.0		ug/Kg		05/11/23 10:59	05/12/23 13:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*84*		*39 - 150*	*05/11/23 10:59*	*05/12/23 13:26*	*1*

Lab Sample ID: LCS 570-328223/2-A
Matrix: Solid
Analysis Batch: 328572

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 328223

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Tributyltin	20.0	7.910		ug/Kg		40	10 - 126
Dibutyltin	20.0	9.055		ug/Kg		45	14 - 174
Monobutyltin	20.0	1.282	J	ug/Kg		6	5 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tripentyltin	*85*		*39 - 150*

Lab Sample ID: LCSD 570-328223/3-A
Matrix: Solid
Analysis Batch: 328572

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 328223

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Tributyltin	20.0	7.903		ug/Kg		40	10 - 126	0	30
Dibutyltin	20.0	9.938		ug/Kg		50	14 - 174	9	30
Monobutyltin	20.0	1.232	J	ug/Kg		6	5 - 120	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tripentyltin	*87*		*39 - 150*

GC/MS Semi VOA

Prep Batch: 328223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-137785-1	OF-1	Total/NA	Solid	Organotin Prep	
MB 570-328223/1-A	Method Blank	Total/NA	Solid	Organotin Prep	
LCS 570-328223/2-A	Lab Control Sample	Total/NA	Solid	Organotin Prep	
LCSD 570-328223/3-A	Lab Control Sample Dup	Total/NA	Solid	Organotin Prep	

Analysis Batch: 328572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-137785-1	OF-1	Total/NA	Solid	Organotins SIM	328223
MB 570-328223/1-A	Method Blank	Total/NA	Solid	Organotins SIM	328223
LCS 570-328223/2-A	Lab Control Sample	Total/NA	Solid	Organotins SIM	328223
LCSD 570-328223/3-A	Lab Control Sample Dup	Total/NA	Solid	Organotins SIM	328223

Lab Chronicle

Client: Enthalpy Analytical LLC
Project/Site: 484619

Job ID: 570-137785-1

Client Sample ID: OF-1
Date Collected: 05/04/23 16:00
Date Received: 05/09/23 17:00

Lab Sample ID: 570-137785-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Organotin Prep			20.0 g	2 mL	328223	05/11/23 10:59	UWEZ	EET CAL 4
Total/NA	Analysis	Organotins SIM		1	1 mL	1 mL	328572	05/12/23 15:35	ULLI	EET CAL 4
	Instrument ID:	GCMSY								

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: Enthalpy Analytical LLC
Job ID: 570-137785-1
Project/Site: 484619

Laboratory: Eurofins Calscience

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Organotins SIM	Organotin Prep	Solid	Dibutyltin
Organotins SIM	Organotin Prep	Solid	Monobutyltin
Organotins SIM	Organotin Prep	Solid	Tributyltin

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-24

Method	Method Description	Protocol	Laboratory
Organotins SIM	Organotins (GC/MS SIM)	Lab SOP	EET CAL 4
Organotin Prep	Extraction (Organotins)	None	EET CAL 4

Protocol References:

Lab SOP = Laboratory Standard Operating Procedure

None = None

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-137785-1	OF-1	Solid	05/04/23 16:00	05/09/23 17:00

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
Eurofins Southwest
2841 Dow Avenue
Suite 100
Tustin, CA 92780
ATTN: PROJECT # 57000393
PO #: Required, to be sent via email

Enthalpy Order: EO-484619
PM: Patty Mata
Email: patty.mata@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: RL
EDDs: .DBF erpimsenhanced

570-137785 Chain of Custody

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
OF-1	04-MAY-2023 16:00	484619-017	1	Soil	Organic Tin, full list	TBT, DBT, MBT

Notes:	Relinquished By:	Received By:
		FC
	Date: 5/9/23 17:00	Date: 5-9-23 17:00
	Date:	Date:
	Date:	Date:

0.2/0.4 SCG

Login Sample Receipt Checklist

Client: Enthalpy Analytical LLC

Job Number: 570-137785-1

Login Number: 137785
List Number: 1
Creator: Vitente, Precy

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX B
LABORATORY ANALYTICAL DATA

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number:	484619
Report Level:	II
Report Date:	05/30/2023

Analytical Report *prepared for:*

Jake Lippman
Kleinfelder
550 West C Street, Suite 1200
San Diego, CA 92101

Project: DRISCOLLS WHARF - Driscoll's Wharf, 20210261.011A

Authorized for release by:

Patty Mata, Project Manager
patty.mata@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Jake Lippman
Kleinfelder
550 West C Street, Suite 1200
San Diego, CA 92101

Lab Job #: 484619
Project No: DRISCOLLS WHARF
Location: Driscoll's Wharf, 20210261.011A
Date Received: 05/05/23

Sample ID	Lab ID	Collected	Matrix
B-1-0.5	484619-001	05/04/23 09:05	Soil
B-1-3.0	484619-002	05/04/23 09:14	Soil
B-1-8.0	484619-003	05/04/23 09:30	Soil
B-1-GW	484619-004	05/04/23 09:45	Water
B-2-0.5	484619-005	05/04/23 10:08	Soil
B-2-3.0	484619-006	05/04/23 10:12	Soil
B-2-7.0	484619-007	05/04/23 10:20	Soil
B-2-GW	484619-008	05/04/23 10:30	Water
B-3-0.5	484619-009	05/04/23 10:55	Soil
B-3-3.0	484619-010	05/04/23 11:00	Soil
B-3-7.0	484619-011	05/04/23 11:05	Soil
B-3-GW	484619-012	05/04/23 11:10	Water
B-4-0.5	484619-013	05/04/23 12:30	Soil
B-4-3.0	484619-014	05/04/23 12:35	Soil
B-4-8.0	484619-015	05/04/23 12:40	Soil
B-4-GW	484619-016	05/04/23 12:50	Water
OF-1	484619-017	05/04/23 16:00	Soil

Case Narrative

Kleinfelder		Lab Job Number:	484619
550 West C Street, Suite 1200		Project No:	DRISCOLLS WHARF
San Diego, CA 92101		Location:	Driscoll's Wharf, 20210261.011A
Jake Lippman		Date Received:	05/05/23

This data package contains sample and QC results for thirteen soil samples and four water samples, requested for the above referenced project on 05/05/23. The samples were received cold and intact.

TPH-Extractables by GC (EPA 8015B) Water:

- Lab numbers 484619-004, 484619-008, 484619-012 and 484619-016 were diluted due to the dark color of the sample extracts. Extract color and/or viscosity are used as indicators of possible matrix interference. Elevated reporting limits were due to the necessary dilution. The water TPH-DRO/ORO results were reported down to the MDLs in order to show lower limits.
- No other analytical problems were encountered.

TPH-Extractables by GC (EPA 8015M) Soil:

- B-1-3.0 (lab # 484619-002), B-3-7.0 (lab # 484619-011), and B-4-8.0 (lab # 484619-015) were diluted due to the dark color of the sample extracts. Extract color and/or viscosity are used as indicators of possible matrix interference. Elevated reporting limits were due to the necessary dilution.
- No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Water:
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Soil:
No analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM) Water:
No analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM) Soil:

- Responses exceeding the instrument's linear range were observed for nitrobenzene-d5, 2-fluorobiphenyl, and terphenyl-d14 in the method blank for batch 313474; affected data was qualified with "E".
- Lab numbers 484619-001, 484619-002, 484619-003 and 484619-006 were diluted due to the dark and viscous nature of the sample extracts. Extract color and/or viscosity are used as indicators of possible matrix interference. Elevated reporting limits were due to the necessary dilution.
- No other analytical problems were encountered.

PCBs (EPA 8082):
No analytical problems were encountered.

Metals (EPA 6010B and EPA 7470A) Water:

- Low recoveries were observed for antimony in the MS/MSD of B-1-GW (lab # 484619-004); the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A) Soil:

- Antimony RSD between exposures exceeds limit in the CCV analyzed 05/10/23 11:03; affected data was qualified with "b". Only the soil MS/MSD batch QC samples in batch 313440 were impacted. All associated soil sample results did not have Antimony detected at or above the RL.
- Low recoveries were observed for lead and antimony in the MS/MSD for batch 313849; the parent sample was not a project sample, the LCS was within limits, and the associated RPDs were within limits.
- Low recoveries were observed for antimony in the MS/MSD for batch 313440; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits. High recoveries were observed for copper; the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

Organic Tin (Organotin):

Eurofins Southwest in Tustin, CA performed the analysis (see sublab report section for certifications). Please see the Eurofins Southwest case narrative.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 484619

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	KLEINFELDER	Quote #:	
Report To:	JAKE LIPPMAN	Proj. Name:	DRISCOLL'S WHARF
Email:	jlippman@kleinfelder.com	Proj. #:	20210261.011A
Address:	770 FIRST AVENUE, SUITE 400	P.O. #:	SAME
	SAN DIEGO, CA 92101	Address:	—
Phone:	619-348-8415	Global ID:	—
Fax:		Sampled By:	J. WILLIAMS/C. NOLAND

Analysis Request: PAHs - 8270; TPH-g - 8015B; TPH-d - 8015B; TPH-oil - 8015B; VOCs - 8260B; TITLE 22 METALS 6010B/7471A

Test Instructions / Comments: 3.0 / 10.5

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PAHs - 8270	TPH-g - 8015B	TPH-d - 8015B	TPH-oil - 8015B	VOCs - 8260B	TITLE 22 METALS 6010B/7471A
1	B-1-0.5	5/4/23	0905	S	2-4oz 1-8oz	N	X	X	X	X	X	X
2	B-1-3.0	↓	0914	S	↓	N	↓	↓	↓	↓	↓	↓
3	B-1-8.0	↓	0930	S	↓	N	↓	↓	↓	↓	↓	↓
4	B-1-GW	↓	0945	W	2-1L AMBER 1-POLY 5-VOAS	HCl HNO3	↓	↓	↓	↓	↓	↓
5	B-2-0.5	↓	1008	S	2-4oz 1-8oz	N	↓	↓	↓	↓	↓	↓
6	B-2-3.0	↓	1012	S	↓	N	↓	↓	↓	↓	↓	↓
7	B-2-7.0	↓	1020	S	↓	N	↓	↓	↓	↓	↓	↓
8	B-2-GW	↓	1030	W	2-1L AMBER 1-POLY 5-VOAS	HCl HNO3	↓	↓	↓	↓	↓	↓
9	B-3-0.5	↓	1055	S	1-8oz 1-4oz	N		↓	↓	↓	↓	↓
10	B-3-3.0	↓	1100	S	↓	N		↓	↓	↓	↓	↓

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	Chris Noland	Kleinfelder / Geologist	5/5/23 8:39
1 Received By:	[signature]	MICHAEL TANWANGCO	EA-SD	5.05.23 8:39
2 Relinquished By:	[signature]	MICHAEL TANWANGCO	EA-SD	05.05.23 1300
2 Received By:	[signature]	Alex Cota	EA SD	05/05/23 1300
3 Relinquished By:	[signature]	Alex Cota	EAOC	05/05/23 1820
3 Received By:	[signature]	Annabesia Snellins	EA	5/5/23 1820

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Chain of Custody Record

Lab No: 484619
Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only) 3.0/10.5

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	KLEINFELDER	Quote #:	
Report To:	JAKE LIPPMAN	Proj. Name:	DRISCOLL'S WHARF
Email:	jlippman@kleinfelder.com	Proj. #:	20210261.011A
Address:	770 FIRST AVENUE, SUITE 400	P.O. #:	SAME
	SAN DIEGO, CA 92101	Address:	—
Phone:	619-348-8415	Global ID:	—
Fax:		Sampled By:	J. WILLIAMS / C. NOLAND

Analysis Request: PAHs - 8270; TPH-g - 8015B; TPH-d - 8015B; TPH-oil - 8015B; VOCs - 8260B; TITLE 22 METALS - 6010B/7471A; ORGANOTINS EC SOP-M422; PCBS - 8082A

#	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PAHs - 8270	TPH-g - 8015B	TPH-d - 8015B	TPH-oil - 8015B	VOCs - 8260B	TITLE 22 METALS - 6010B/7471A	ORGANOTINS EC SOP-M422	PCBS - 8082A			Test Instructions / Comments
1	B-3-7.0	5/4/23	1105	S	1-8oz 1-4oz	N		X	X	X	X	X					
2	B-3-GW		1110	W	1L AMBER 1 POLY 5 VOAS	HCl HNO3											
3	B-4-0.5		1230	S	1-8oz 1-4oz	N											
4	B-4-3.0		1235	S	1-8oz 1-4oz	N											
5	B-4-8.0		1240	S	1-8oz 1-4oz	N											
6	B-4-GW		1250	W	1L AMBER 1 POLY 5 VOAS	HCl HNO3											
7	OF-1		1600	SD	2-8oz 2-4oz	N	X						X	X			
8																	
9				CAN 5/4/23													
10																	

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	Chris Noland	Kleinfelder / Geologist	5/5/23 8:39
1 Received By:	[signature]	MICHAEL TANWANGCO	EA-SD	5-5-23 8:39
2 Relinquished By:	[signature]	MICHAEL TANWANGCO	EA-SD	5-5-23 1300
2 Received By:	[signature]	Alex Cok	EASD	5/5/23 13:00
3 Relinquished By:	[signature]	Alex Cok	EA OC	5/5/23 18:00
3 Received By:	[signature]	Angelesa Sandoval	EA	5/5/23 18:18

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Kleinfelder Project: Driscolls Wharf

Date Received: 5/5/23 Sampler's Name Present: ☒ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): ____

Sample Temp (°C), One from each cooler: #1: 10.5 #2: ____ #3: ____ #4: ____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: ____

Section 3

Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other ____

Cooler Temp (°C): #1: 5.0 #2: ____ #3: ____ #4: ____

Section 4	YES	NO	N/A
Was a COC received?	X		
Are sample IDs present?	X		
Are sampling dates & times present?	X		
Is a relinquished signature present?	X		
Are the tests required clearly indicated on the COC?	X		
Are custody seals present?		X	
If custody seals are present, were they intact?			X
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			X
Did all samples arrive intact? If no, indicate in Section 4 below.	X		
Did all bottle labels agree with COC? (ID, dates and times)	X		
Were the samples collected in the correct containers for the required tests?	X		
Are the containers labeled with the correct preservatives?	X		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?		X	
Was a sufficient amount of sample submitted for the requested tests?	X		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: ____ Date/Time ____
☐ Email (email sent to/on): ____ / ____

Project Manager's response:

Completed By: [signature] Date: 5/5/23

Enthalpy Analytical, a subsidiary of Montrose Environmental Group ,Inc.
931 W. Barkley Ave, Orange, CA 92868 • T: (714) 771-6900 • F: (714) 538-1209
www.enthalpy.com/socal
Sample Acceptance Checklist – Rev 4, 8/8/2017

Analysis Results for 484619

Jake Lippman	Lab Job #: 484619
Kleinfelder	Project No: DRISCOLLS WHARF
550 West C Street, Suite 1200	Location: Driscoll's Wharf, 20210261.011A
San Diego, CA 92101	Date Received: 05/05/23

Sample ID: B-1-0.5 **Lab ID: 484619-001** **Collected: 05/04/23 09:05**
Matrix: Soil

484619-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9		0.98	313440	05/08/23	05/10/23	SBW
Arsenic	**4.4**		mg/Kg	0.98		0.98	313440	05/08/23	05/10/23	SBW
Barium	**41**		mg/Kg	0.98		0.98	313440	05/08/23	05/10/23	SBW
Beryllium	**0.51**		mg/Kg	0.49		0.98	313440	05/08/23	05/10/23	SBW
Cadmium	ND		mg/Kg	0.49		0.98	313440	05/08/23	05/10/23	SBW
Chromium	**24**		mg/Kg	0.98		0.98	313440	05/08/23	05/10/23	SBW
Cobalt	**10**		mg/Kg	0.49		0.98	313440	05/08/23	05/10/23	SBW
Copper	**8.0**		mg/Kg	0.98		0.98	313440	05/08/23	05/10/23	SBW
Lead	**6.8**		mg/Kg	0.98		0.98	313440	05/08/23	05/10/23	SBW
Molybdenum	**1.3**		mg/Kg	0.98		0.98	313440	05/08/23	05/10/23	SBW
Nickel	**11**		mg/Kg	0.98		0.98	313440	05/08/23	05/10/23	SBW
Selenium	ND		mg/Kg	2.9		0.98	313440	05/08/23	05/10/23	SBW
Silver	ND		mg/Kg	0.49		0.98	313440	05/08/23	05/10/23	SBW
Thallium	ND		mg/Kg	2.9		0.98	313440	05/08/23	05/10/23	SBW
Vanadium	**53**		mg/Kg	0.98		0.98	313440	05/08/23	05/10/23	SBW
Zinc	**41**		mg/Kg	4.9		0.98	313440	05/08/23	05/10/23	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.15		1.1	313608	05/11/23	05/11/23	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	9.9		0.99	313536	05/09/23	05/11/23	SME
DRO C10-C28	**14**		mg/Kg	9.9		0.99	313536	05/09/23	05/11/23	SME
ORO C28-C44	**26**		mg/Kg	20		0.99	313536	05/09/23	05/11/23	SME
Surrogates				**Limits**						
n-Triacontane	75%		%REC	70-130		0.99	313536	05/09/23	05/11/23	SME
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10		1	313392	05/08/23	05/08/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

484619-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Freon 12	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Chloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Vinyl Chloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromomethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Chloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Trichlorofluoromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Acetone	ND		ug/Kg	100		1	313392	05/08/23	05/08/23	EJB
Freon 113	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Methylene Chloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
MTBE	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1-Dichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
2-Butanone	ND		ug/Kg	100		1	313392	05/08/23	05/08/23	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
2,2-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Chloroform	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromochloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1,1-Trichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Carbon Tetrachloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Benzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Trichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromodichloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Dibromomethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	8.1		1	313392	05/08/23	05/08/23	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Toluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1,2-Trichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,3-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Tetrachloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Dibromochloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dibromoethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Chlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Ethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
m,p-Xylenes	ND		ug/Kg	10		1	313392	05/08/23	05/08/23	EJB
o-Xylene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Styrene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromoform	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Isopropylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2,3-Trichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

484619-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Propylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
2-Chlorotoluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
4-Chlorotoluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
tert-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
sec-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
para-Isopropyl Toluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,3-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,4-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
n-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Hexachlorobutadiene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Naphthalene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Xylene (total)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Surrogates				**Limits**						
Dibromofluoromethane	96%		%REC	70-145		1	313392	05/08/23	05/08/23	EJB
1,2-Dichloroethane-d4	100%		%REC	70-145		1	313392	05/08/23	05/08/23	EJB
Toluene-d8	97%		%REC	70-145		1	313392	05/08/23	05/08/23	EJB
Bromofluorobenzene	102%		%REC	70-145		1	313392	05/08/23	05/08/23	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3546

1-Methylnaphthalene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
2-Methylnaphthalene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Naphthalene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Acenaphthylene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Acenaphthene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Fluorene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Phenanthrene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Anthracene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Fluoranthene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Pyrene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(a)anthracene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Chrysene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(b)fluoranthene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(k)fluoranthene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(a)pyrene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Dibenz(a,h)anthracene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(g,h,i)perylene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Surrogates				**Limits**						
Nitrobenzene-d5	71%		%REC	27-125		5	313474	05/09/23	05/09/23	VTN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

484619-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
2-Fluorobiphenyl	73%		%REC	30-120		5	313474	05/09/23	05/09/23	VTN
Terphenyl-d14	78%		%REC	33-155		5	313474	05/09/23	05/09/23	VTN

Results for any subcontracted analyses are not included in this section.

ENTHALPY
ANALYTICAL

Analysis Results for 484619

Sample ID: B-1-3.0	Lab ID: 484619-002	Collected: 05/04/23 09:14
	Matrix: Soil	

484619-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9		0.97	313440	05/08/23	05/10/23	SBW
Arsenic	**1.9**		mg/Kg	0.97		0.97	313440	05/08/23	05/10/23	SBW
Barium	**77**		mg/Kg	0.97		0.97	313440	05/08/23	05/10/23	SBW
Beryllium	ND		mg/Kg	0.49		0.97	313440	05/08/23	05/10/23	SBW
Cadmium	ND		mg/Kg	0.49		0.97	313440	05/08/23	05/10/23	SBW
Chromium	**16**		mg/Kg	0.97		0.97	313440	05/08/23	05/10/23	SBW
Cobalt	**6.0**		mg/Kg	0.49		0.97	313440	05/08/23	05/10/23	SBW
Copper	**48**		mg/Kg	0.97		0.97	313440	05/08/23	05/10/23	SBW
Lead	**12**		mg/Kg	0.97		0.97	313440	05/08/23	05/10/23	SBW
Molybdenum	**0.98**		mg/Kg	0.97		0.97	313440	05/08/23	05/10/23	SBW
Nickel	**5.9**		mg/Kg	0.97		0.97	313440	05/08/23	05/10/23	SBW
Selenium	ND		mg/Kg	2.9		0.97	313440	05/08/23	05/10/23	SBW
Silver	ND		mg/Kg	0.49		0.97	313440	05/08/23	05/10/23	SBW
Thallium	ND		mg/Kg	2.9		0.97	313440	05/08/23	05/10/23	SBW
Vanadium	**49**		mg/Kg	0.97		0.97	313440	05/08/23	05/10/23	SBW
Zinc	**42**		mg/Kg	4.9		0.97	313440	05/08/23	05/10/23	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.23**		mg/Kg	0.15		1.1	313608	05/11/23	05/11/23	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	20		2	313536	05/09/23	05/11/23	SME
DRO C10-C28	**48**		mg/Kg	20		2	313536	05/09/23	05/11/23	SME
ORO C28-C44	**75**		mg/Kg	40		2	313536	05/09/23	05/11/23	SME
Surrogates				**Limits**						
n-Triacontane	74%		%REC	70-130		2	313536	05/09/23	05/11/23	SME
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10		1	313392	05/08/23	05/08/23	EJB
Freon 12	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Chloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Vinyl Chloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromomethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Chloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Trichlorofluoromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Acetone	ND		ug/Kg	100		1	313392	05/08/23	05/08/23	EJB
Freon 113	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Methylene Chloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
MTBE	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1-Dichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
2-Butanone	ND		ug/Kg	100		1	313392	05/08/23	05/08/23	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
2,2-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Chloroform	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromochloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1,1-Trichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Carbon Tetrachloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Benzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Trichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromodichloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Dibromomethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	8.1		1	313392	05/08/23	05/08/23	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Toluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1,2-Trichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,3-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Tetrachloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Dibromochloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dibromoethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Chlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Ethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
m,p-Xylenes	ND		ug/Kg	10		1	313392	05/08/23	05/08/23	EJB
o-Xylene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Styrene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromoform	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Isopropylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2,3-Trichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Propylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
2-Chlorotoluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
4-Chlorotoluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

484619-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
tert-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
sec-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
para-Isopropyl Toluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,3-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,4-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
n-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Hexachlorobutadiene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Naphthalene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Xylene (total)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Surrogates				**Limits**						
Dibromofluoromethane	94%		%REC	70-145		1	313392	05/08/23	05/08/23	EJB
1,2-Dichloroethane-d4	99%		%REC	70-145		1	313392	05/08/23	05/08/23	EJB
Toluene-d8	103%		%REC	70-145		1	313392	05/08/23	05/08/23	EJB
Bromofluorobenzene	111%		%REC	70-145		1	313392	05/08/23	05/08/23	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3546

Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1-Methylnaphthalene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
2-Methylnaphthalene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Naphthalene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Acenaphthylene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Acenaphthene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Fluorene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Phenanthrene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Anthracene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Fluoranthene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Pyrene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(a)anthracene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Chrysene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(b)fluoranthene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(k)fluoranthene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(a)pyrene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Dibenz(a,h)anthracene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(g,h,i)perylene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Surrogates				**Limits**						
Nitrobenzene-d5	62%		%REC	27-125		5	313474	05/09/23	05/09/23	VTN
2-Fluorobiphenyl	62%		%REC	30-120		5	313474	05/09/23	05/09/23	VTN
Terphenyl-d14	66%		%REC	33-155		5	313474	05/09/23	05/09/23	VTN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

Sample ID: B-1-8.0	Lab ID: 484619-003	Collected: 05/04/23 09:30
	Matrix: Soil	

484619-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0		1	313440	05/08/23	05/10/23	SBW
Arsenic	**2.1**		mg/Kg	1.0		1	313440	05/08/23	05/10/23	SBW
Barium	**56**		mg/Kg	1.0		1	313440	05/08/23	05/10/23	SBW
Beryllium	ND		mg/Kg	0.50		1	313440	05/08/23	05/10/23	SBW
Cadmium	ND		mg/Kg	0.50		1	313440	05/08/23	05/10/23	SBW
Chromium	**15**		mg/Kg	1.0		1	313440	05/08/23	05/10/23	SBW
Cobalt	**5.1**		mg/Kg	0.50		1	313440	05/08/23	05/10/23	SBW
Copper	**12**		mg/Kg	1.0		1	313440	05/08/23	05/10/23	SBW
Lead	**15**		mg/Kg	1.0		1	313440	05/08/23	05/10/23	SBW
Molybdenum	ND		mg/Kg	1.0		1	313440	05/08/23	05/10/23	SBW
Nickel	**6.4**		mg/Kg	1.0		1	313440	05/08/23	05/10/23	SBW
Selenium	ND		mg/Kg	3.0		1	313440	05/08/23	05/10/23	SBW
Silver	ND		mg/Kg	0.50		1	313440	05/08/23	05/10/23	SBW
Thallium	ND		mg/Kg	3.0		1	313440	05/08/23	05/10/23	SBW
Vanadium	**30**		mg/Kg	1.0		1	313440	05/08/23	05/10/23	SBW
Zinc	**47**		mg/Kg	5.0		1	313440	05/08/23	05/10/23	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.17		1.2	313608	05/11/23	05/11/23	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	10		1	313536	05/09/23	05/12/23	SME
DRO C10-C28	ND		mg/Kg	10		1	313536	05/09/23	05/12/23	SME
ORO C28-C44	ND		mg/Kg	20		1	313536	05/09/23	05/12/23	SME
Surrogates				**Limits**						
n-Triacontane	80%		%REC	70-130		1	313536	05/09/23	05/12/23	SME
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10		1	313392	05/08/23	05/08/23	EJB
Freon 12	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Chloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Vinyl Chloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromomethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Chloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

484619-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Trichlorofluoromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Acetone	ND		ug/Kg	100		1	313392	05/08/23	05/08/23	EJB
Freon 113	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Methylene Chloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
MTBE	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1-Dichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
2-Butanone	ND		ug/Kg	100		1	313392	05/08/23	05/08/23	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
2,2-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Chloroform	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromochloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1,1-Trichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Carbon Tetrachloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Benzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Trichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromodichloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Dibromomethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	8.1		1	313392	05/08/23	05/08/23	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Toluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1,2-Trichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,3-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Tetrachloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Dibromochloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dibromoethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Chlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Ethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
m,p-Xylenes	ND		ug/Kg	10		1	313392	05/08/23	05/08/23	EJB
o-Xylene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Styrene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromoform	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Isopropylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2,3-Trichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Propylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
2-Chlorotoluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
4-Chlorotoluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

484619-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
tert-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
sec-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
para-Isopropyl Toluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,3-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,4-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
n-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Hexachlorobutadiene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Naphthalene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Xylene (total)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Surrogates				**Limits**						
Dibromofluoromethane	98%		%REC	70-145		1	313392	05/08/23	05/08/23	EJB
1,2-Dichloroethane-d4	102%		%REC	70-145		1	313392	05/08/23	05/08/23	EJB
Toluene-d8	100%		%REC	70-145		1	313392	05/08/23	05/08/23	EJB
Bromofluorobenzene	99%		%REC	70-145		1	313392	05/08/23	05/08/23	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3546

1-Methylnaphthalene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
2-Methylnaphthalene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Naphthalene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Acenaphthylene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Acenaphthene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Fluorene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Phenanthrene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Anthracene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Fluoranthene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Pyrene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(a)anthracene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Chrysene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(b)fluoranthene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(k)fluoranthene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(a)pyrene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Dibenz(a,h)anthracene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(g,h,i)perylene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Surrogates				**Limits**						
Nitrobenzene-d5	56%		%REC	27-125		5	313474	05/09/23	05/09/23	VTN
2-Fluorobiphenyl	55%		%REC	30-120		5	313474	05/09/23	05/09/23	VTN
Terphenyl-d14	59%		%REC	33-155		5	313474	05/09/23	05/09/23	VTN

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

Sample ID: B-1-GW	Lab ID: 484619-004	Collected: 05/04/23 09:45
	Matrix: Water	

484619-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3010A										
Antimony	ND		mg/L	0.030		1	313422	05/08/23	05/08/23	SBW
Arsenic	**0.17**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Barium	**3.7**		mg/L	0.010		1	313422	05/08/23	05/09/23	SBW
Beryllium	**0.0081**		mg/L	0.0050		1	313422	05/08/23	05/09/23	SBW
Cadmium	ND		mg/L	0.0050		1	313422	05/08/23	05/08/23	SBW
Chromium	**0.72**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Cobalt	**0.16**		mg/L	0.0050		1	313422	05/08/23	05/08/23	SBW
Copper	**2.3**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Lead	**1.0**		mg/L	0.010		1	313422	05/08/23	05/09/23	SBW
Molybdenum	**0.045**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Nickel	**0.26**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Selenium	ND		mg/L	0.030		1	313422	05/08/23	05/08/23	SBW
Silver	ND		mg/L	0.0050		1	313422	05/08/23	05/08/23	SBW
Thallium	ND		mg/L	0.030		1	313422	05/08/23	05/08/23	SBW
Vanadium	**1.3**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Zinc	**3.6**		mg/L	0.050		1	313422	05/08/23	05/09/23	SBW
Method: EPA 7470A Prep Method: METHOD										
Mercury	**0.97**		ug/L	0.40		1	313809	05/12/23	05/12/23	KAM
Method: EPA 8015B Prep Method: EPA 3510C										
TPH (C13-C28)	ND		mg/L	0.94	0.44	9.4	313344	05/07/23	05/08/23	BJG
TPH (C29-C44)	**0.97**	J	mg/L	2.8	0.44	9.4	313344	05/07/23	05/08/23	BJG
Surrogates				**Limits**						
n-Triacontane		DO	%REC	35-130		9.4	313344	05/07/23	05/08/23	BJG
Method: EPA 8260B Prep Method: EPA 5030B										
TPH Gasoline	ND		ug/L	50		1	313475	05/09/23	05/09/23	EJB
Isopropyl Ether (DIPE)	ND		ug/L	1.0		1	313475	05/09/23	05/09/23	EJB
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0		1	313475	05/09/23	05/09/23	EJB
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0		1	313475	05/09/23	05/09/23	EJB
tert-Butyl Alcohol (TBA)	ND		ug/L	10		1	313475	05/09/23	05/09/23	EJB
3-Chloropropene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Freon 12	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Chloromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Vinyl Chloride	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromomethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Chloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Trichlorofluoromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Acetone	ND		ug/L	100		1	313475	05/09/23	05/09/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

484619-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Freon 113	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1-Dichloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Methylene Chloride	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
MTBE	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1-Dichloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
2-Butanone	ND		ug/L	100		1	313475	05/09/23	05/09/23	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
2,2-Dichloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Chloroform	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromochloromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1-Dichloropropene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Carbon Tetrachloride	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dichloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Benzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Trichloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dichloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromodichloromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Dibromomethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Toluene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,3-Dichloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Tetrachloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Dibromochloromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dibromoethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Chlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Ethylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
m,p-Xylenes	ND		ug/L	10		1	313475	05/09/23	05/09/23	EJB
o-Xylene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Styrene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromoform	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Isopropylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Propylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
2-Chlorotoluene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
4-Chlorotoluene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
tert-Butylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
sec-Butylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
para-Isopropyl Toluene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
n-Butylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Hexachlorobutadiene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Naphthalene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Xylene (total)	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Surrogates				**Limits**						
Dibromofluoromethane	99%		%REC	70-130		1	313475	05/09/23	05/09/23	EJB
1,2-Dichloroethane-d4	100%		%REC	70-130		1	313475	05/09/23	05/09/23	EJB
Toluene-d8	103%		%REC	70-130		1	313475	05/09/23	05/09/23	EJB
Bromofluorobenzene	95%		%REC	70-130		1	313475	05/09/23	05/09/23	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3510C

Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1-Methylnaphthalene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
2-Methylnaphthalene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Naphthalene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Acenaphthylene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Acenaphthene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Fluorene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Phenanthrene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Anthracene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Fluoranthene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Pyrene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Benzo(a)anthracene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Chrysene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Benzo(b)fluoranthene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Benzo(k)fluoranthene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Benzo(a)pyrene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Dibenz(a,h)anthracene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Benzo(g,h,i)perylene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Surrogates				**Limits**						
Nitrobenzene-d5	81%		%REC	16-125		1	313415	05/08/23	05/09/23	VTN
2-Fluorobiphenyl	70%		%REC	17-120		1	313415	05/08/23	05/09/23	VTN
Terphenyl-d14	89%		%REC	39-123		1	313415	05/08/23	05/09/23	VTN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

Sample ID: B-2-0.5	Lab ID: 484619-005	Collected: 05/04/23 10:08
	Matrix: Soil	

484619-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9		0.97	313440	05/08/23	05/10/23	SBW
Arsenic	**4.3**		mg/Kg	0.97		0.97	313440	05/08/23	05/10/23	SBW
Barium	**100**		mg/Kg	0.97		0.97	313440	05/08/23	05/10/23	SBW
Beryllium	ND		mg/Kg	0.49		0.97	313440	05/08/23	05/10/23	SBW
Cadmium	ND		mg/Kg	0.49		0.97	313440	05/08/23	05/10/23	SBW
Chromium	**22**		mg/Kg	0.97		0.97	313440	05/08/23	05/10/23	SBW
Cobalt	**6.5**		mg/Kg	0.49		0.97	313440	05/08/23	05/10/23	SBW
Copper	**10**		mg/Kg	0.97		0.97	313440	05/08/23	05/10/23	SBW
Lead	**3.8**		mg/Kg	0.97		0.97	313440	05/08/23	05/10/23	SBW
Molybdenum	ND		mg/Kg	0.97		0.97	313440	05/08/23	05/10/23	SBW
Nickel	**8.3**		mg/Kg	0.97		0.97	313440	05/08/23	05/10/23	SBW
Selenium	ND		mg/Kg	2.9		0.97	313440	05/08/23	05/10/23	SBW
Silver	ND		mg/Kg	0.49		0.97	313440	05/08/23	05/10/23	SBW
Thallium	ND		mg/Kg	2.9		0.97	313440	05/08/23	05/10/23	SBW
Vanadium	**46**		mg/Kg	0.97		0.97	313440	05/08/23	05/10/23	SBW
Zinc	**43**		mg/Kg	4.9		0.97	313440	05/08/23	05/10/23	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.16		1.1	313608	05/11/23	05/11/23	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	10		1	313536	05/09/23	05/12/23	SME
DRO C10-C28	ND		mg/Kg	10		1	313536	05/09/23	05/12/23	SME
ORO C28-C44	ND		mg/Kg	20		1	313536	05/09/23	05/12/23	SME
Surrogates				**Limits**						
n-Triacontane	82%		%REC	70-130		1	313536	05/09/23	05/12/23	SME
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10		1	313392	05/08/23	05/08/23	EJB
Freon 12	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Chloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Vinyl Chloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromomethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Chloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

484619-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Trichlorofluoromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Acetone	ND		ug/Kg	100		1	313392	05/08/23	05/08/23	EJB
Freon 113	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Methylene Chloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
MTBE	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1-Dichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
2-Butanone	ND		ug/Kg	100		1	313392	05/08/23	05/08/23	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
2,2-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Chloroform	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromochloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1,1-Trichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Carbon Tetrachloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Benzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Trichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromodichloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Dibromomethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	8.1		1	313392	05/08/23	05/08/23	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Toluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1,2-Trichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,3-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Tetrachloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Dibromochloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dibromoethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Chlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Ethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
m,p-Xylenes	ND		ug/Kg	10		1	313392	05/08/23	05/08/23	EJB
o-Xylene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Styrene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromoform	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Isopropylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2,3-Trichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Propylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Bromobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
2-Chlorotoluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
4-Chlorotoluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
tert-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
sec-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
para-Isopropyl Toluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,3-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,4-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
n-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Hexachlorobutadiene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Naphthalene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Xylene (total)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	EJB
Surrogates				**Limits**						
Dibromofluoromethane	96%		%REC	70-145		1	313392	05/08/23	05/08/23	EJB
1,2-Dichloroethane-d4	99%		%REC	70-145		1	313392	05/08/23	05/08/23	EJB
Toluene-d8	99%		%REC	70-145		1	313392	05/08/23	05/08/23	EJB
Bromofluorobenzene	98%		%REC	70-145		1	313392	05/08/23	05/08/23	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3546

Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1-Methylnaphthalene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
2-Methylnaphthalene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Naphthalene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Acenaphthylene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Acenaphthene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Fluorene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Phenanthrene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Anthracene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Fluoranthene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Pyrene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Benzo(a)anthracene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Chrysene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Benzo(b)fluoranthene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Benzo(k)fluoranthene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Benzo(a)pyrene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Dibenz(a,h)anthracene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Benzo(g,h,i)perylene	ND		ug/Kg	10		1	313474	05/09/23	05/09/23	VTN
Surrogates				**Limits**						
Nitrobenzene-d5	70%		%REC	27-125		1	313474	05/09/23	05/09/23	VTN
2-Fluorobiphenyl	68%		%REC	30-120		1	313474	05/09/23	05/09/23	VTN
Terphenyl-d14	71%		%REC	33-155		1	313474	05/09/23	05/09/23	VTN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

Sample ID: B-2-3.0	Lab ID: 484619-006	Collected: 05/04/23 10:12
	Matrix: Soil	

484619-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9		0.96	313440	05/08/23	05/10/23	SBW
Arsenic	**3.2**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Barium	**73**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Beryllium	ND		mg/Kg	0.48		0.96	313440	05/08/23	05/10/23	SBW
Cadmium	ND		mg/Kg	0.48		0.96	313440	05/08/23	05/10/23	SBW
Chromium	**15**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Cobalt	**5.4**		mg/Kg	0.48		0.96	313440	05/08/23	05/10/23	SBW
Copper	**12**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Lead	**20**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Molybdenum	ND		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Nickel	**6.6**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Selenium	ND		mg/Kg	2.9		0.96	313440	05/08/23	05/10/23	SBW
Silver	ND		mg/Kg	0.48		0.96	313440	05/08/23	05/10/23	SBW
Thallium	ND		mg/Kg	2.9		0.96	313440	05/08/23	05/10/23	SBW
Vanadium	**37**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Zinc	**42**		mg/Kg	4.8		0.96	313440	05/08/23	05/10/23	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.16		1.1	313608	05/11/23	05/11/23	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	9.9		0.99	313536	05/09/23	05/12/23	SME
DRO C10-C28	**18**		mg/Kg	9.9		0.99	313536	05/09/23	05/12/23	SME
ORO C28-C44	**36**		mg/Kg	20		0.99	313536	05/09/23	05/12/23	SME
Surrogates				**Limits**						
n-Triacontane	76%		%REC	70-130		0.99	313536	05/09/23	05/12/23	SME
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10		1	313392	05/08/23	05/08/23	LYZ
Freon 12	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Chloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Bromomethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Chloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Trichlorofluoromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Acetone	ND		ug/Kg	100		1	313392	05/08/23	05/08/23	LYZ
Freon 113	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Methylene Chloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
MTBE	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
2-Butanone	ND		ug/Kg	100		1	313392	05/08/23	05/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Chloroform	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Bromochloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Benzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Trichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Dibromomethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	8.1		1	313392	05/08/23	05/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Toluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Chlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Ethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
m,p-Xylenes	ND		ug/Kg	10		1	313392	05/08/23	05/08/23	LYZ
o-Xylene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Styrene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Bromoform	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Isopropylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Propylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Bromobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
tert-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Naphthalene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Xylene (total)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	100%		%REC	70-145		1	313392	05/08/23	05/08/23	LYZ
1,2-Dichloroethane-d4	102%		%REC	70-145		1	313392	05/08/23	05/08/23	LYZ
Toluene-d8	107%		%REC	70-145		1	313392	05/08/23	05/08/23	LYZ
Bromofluorobenzene	104%		%REC	70-145		1	313392	05/08/23	05/08/23	LYZ

Method: EPA 8270C-SIM
Prep Method: EPA 3546

484619-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1-Methylnaphthalene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
2-Methylnaphthalene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Naphthalene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Acenaphthylene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Acenaphthene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Fluorene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Phenanthrene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Anthracene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Fluoranthene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Pyrene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(a)anthracene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Chrysene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(b)fluoranthene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(k)fluoranthene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(a)pyrene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Dibenz(a,h)anthracene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Benzo(g,h,i)perylene	ND		ug/Kg	50		5	313474	05/09/23	05/09/23	VTN
Surrogates				**Limits**						
Nitrobenzene-d5	54%		%REC	27-125		5	313474	05/09/23	05/09/23	VTN
2-Fluorobiphenyl	57%		%REC	30-120		5	313474	05/09/23	05/09/23	VTN
Terphenyl-d14	58%		%REC	33-155		5	313474	05/09/23	05/09/23	VTN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

Sample ID: B-2-7.0	Lab ID: 484619-007	Collected: 05/04/23 10:20
	Matrix: Soil	

484619-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0		1	313440	05/08/23	05/10/23	SBW
Arsenic	**4.5**		mg/Kg	1.0		1	313440	05/08/23	05/10/23	SBW
Barium	**77**		mg/Kg	1.0		1	313440	05/08/23	05/10/23	SBW
Beryllium	ND		mg/Kg	0.50		1	313440	05/08/23	05/10/23	SBW
Cadmium	ND		mg/Kg	0.50		1	313440	05/08/23	05/10/23	SBW
Chromium	**11**		mg/Kg	1.0		1	313440	05/08/23	05/10/23	SBW
Cobalt	**3.6**		mg/Kg	0.50		1	313440	05/08/23	05/10/23	SBW
Copper	**8.5**		mg/Kg	1.0		1	313440	05/08/23	05/10/23	SBW
Lead	**9.4**		mg/Kg	1.0		1	313440	05/08/23	05/10/23	SBW
Molybdenum	ND		mg/Kg	1.0		1	313440	05/08/23	05/10/23	SBW
Nickel	**4.0**		mg/Kg	1.0		1	313440	05/08/23	05/10/23	SBW
Selenium	ND		mg/Kg	3.0		1	313440	05/08/23	05/10/23	SBW
Silver	ND		mg/Kg	0.50		1	313440	05/08/23	05/10/23	SBW
Thallium	ND		mg/Kg	3.0		1	313440	05/08/23	05/10/23	SBW
Vanadium	**28**		mg/Kg	1.0		1	313440	05/08/23	05/10/23	SBW
Zinc	**47**		mg/Kg	5.0		1	313440	05/08/23	05/10/23	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.15		1.1	313608	05/11/23	05/11/23	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	10		1	313536	05/09/23	05/12/23	SME
DRO C10-C28	ND		mg/Kg	10		1	313536	05/09/23	05/12/23	SME
ORO C28-C44	ND		mg/Kg	20		1	313536	05/09/23	05/12/23	SME
Surrogates				**Limits**						
n-Triacontane	82%		%REC	70-130		1	313536	05/09/23	05/12/23	SME
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10		1	313392	05/08/23	05/08/23	LYZ
Freon 12	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Chloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Bromomethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Chloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Trichlorofluoromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Acetone	ND		ug/Kg	100		1	313392	05/08/23	05/08/23	LYZ
Freon 113	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Methylene Chloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
MTBE	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
2-Butanone	ND		ug/Kg	100		1	313392	05/08/23	05/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Chloroform	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Bromochloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Benzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Trichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Dibromomethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	8.1		1	313392	05/08/23	05/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Toluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Chlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Ethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
m,p-Xylenes	ND		ug/Kg	10		1	313392	05/08/23	05/08/23	LYZ
o-Xylene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Styrene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Bromoform	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Isopropylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Propylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Bromobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

484619-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
tert-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Naphthalene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Xylene (total)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	97%		%REC	70-145		1	313392	05/08/23	05/08/23	LYZ
1,2-Dichloroethane-d4	98%		%REC	70-145		1	313392	05/08/23	05/08/23	LYZ
Toluene-d8	102%		%REC	70-145		1	313392	05/08/23	05/08/23	LYZ
Bromofluorobenzene	100%		%REC	70-145		1	313392	05/08/23	05/08/23	LYZ

Method: EPA 8270C-SIM
Prep Method: EPA 3546

Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1-Methylnaphthalene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
2-Methylnaphthalene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Naphthalene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Acenaphthylene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Acenaphthene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Fluorene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Phenanthrene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Anthracene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Fluoranthene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Pyrene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Benzo(a)anthracene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Chrysene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Benzo(b)fluoranthene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Benzo(k)fluoranthene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Benzo(a)pyrene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Dibenz(a,h)anthracene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Benzo(g,h,i)perylene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/10/23	VTN
Surrogates				**Limits**						
Nitrobenzene-d5	72%		%REC	27-125		0.99	313474	05/09/23	05/10/23	VTN
2-Fluorobiphenyl	69%		%REC	30-120		0.99	313474	05/09/23	05/10/23	VTN
Terphenyl-d14	73%		%REC	33-155		0.99	313474	05/09/23	05/10/23	VTN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

Sample ID: B-2-GW	Lab ID: 484619-008	Collected: 05/04/23 10:30
	Matrix: Water	

484619-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3010A										
Antimony	ND		mg/L	0.030		1	313422	05/08/23	05/08/23	SBW
Arsenic	**0.25**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Barium	**1.8**		mg/L	0.010		1	313422	05/08/23	05/09/23	SBW
Beryllium	**0.0063**		mg/L	0.0050		1	313422	05/08/23	05/09/23	SBW
Cadmium	ND		mg/L	0.0050		1	313422	05/08/23	05/08/23	SBW
Chromium	**0.60**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Cobalt	**0.20**		mg/L	0.0050		1	313422	05/08/23	05/08/23	SBW
Copper	**2.3**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Lead	**1.5**		mg/L	0.010		1	313422	05/08/23	05/09/23	SBW
Molybdenum	**0.049**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Nickel	**0.33**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Selenium	ND		mg/L	0.030		1	313422	05/08/23	05/08/23	SBW
Silver	ND		mg/L	0.0050		1	313422	05/08/23	05/08/23	SBW
Thallium	ND		mg/L	0.030		1	313422	05/08/23	05/08/23	SBW
Vanadium	**1.1**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Zinc	**3.4**		mg/L	0.050		1	313422	05/08/23	05/09/23	SBW
Method: EPA 7470A Prep Method: METHOD										
Mercury	**1.5**		ug/L	0.40		1	313809	05/12/23	05/12/23	KAM
Method: EPA 8015B Prep Method: EPA 3510C										
TPH (C13-C28)	**0.19**		mg/L	0.19	0.088	1.9	313344	05/07/23	05/08/23	BJG
TPH (C29-C44)	**0.27**	J	mg/L	0.57	0.088	1.9	313344	05/07/23	05/08/23	BJG
Surrogates				**Limits**						
n-Triacontane	61%		%REC	35-130		1.9	313344	05/07/23	05/08/23	BJG
Method: EPA 8260B Prep Method: EPA 5030B										
TPH Gasoline	ND		ug/L	50		1	313475	05/09/23	05/09/23	EJB
Isopropyl Ether (DIPE)	ND		ug/L	1.0		1	313475	05/09/23	05/09/23	EJB
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0		1	313475	05/09/23	05/09/23	EJB
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0		1	313475	05/09/23	05/09/23	EJB
tert-Butyl Alcohol (TBA)	ND		ug/L	10		1	313475	05/09/23	05/09/23	EJB
3-Chloropropene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Freon 12	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Chloromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Vinyl Chloride	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromomethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Chloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Trichlorofluoromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Acetone	ND		ug/L	100		1	313475	05/09/23	05/09/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Freon 113	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1-Dichloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Methylene Chloride	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
MTBE	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1-Dichloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
2-Butanone	ND		ug/L	100		1	313475	05/09/23	05/09/23	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
2,2-Dichloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Chloroform	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromochloromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1-Dichloropropene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Carbon Tetrachloride	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dichloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Benzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Trichloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dichloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromodichloromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Dibromomethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Toluene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,3-Dichloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Tetrachloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Dibromochloromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dibromoethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Chlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Ethylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
m,p-Xylenes	ND		ug/L	10		1	313475	05/09/23	05/09/23	EJB
o-Xylene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Styrene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromoform	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Isopropylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Propylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
2-Chlorotoluene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
4-Chlorotoluene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
tert-Butylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
sec-Butylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
para-Isopropyl Toluene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
n-Butylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Hexachlorobutadiene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Naphthalene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Xylene (total)	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Surrogates				**Limits**						
Dibromofluoromethane	99%		%REC	70-130		1	313475	05/09/23	05/09/23	EJB
1,2-Dichloroethane-d4	99%		%REC	70-130		1	313475	05/09/23	05/09/23	EJB
Toluene-d8	107%		%REC	70-130		1	313475	05/09/23	05/09/23	EJB
Bromofluorobenzene	98%		%REC	70-130		1	313475	05/09/23	05/09/23	EJB

Method: EPA 8270C-SIM
Prep Method: EPA 3510C

Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1-Methylnaphthalene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
2-Methylnaphthalene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Naphthalene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Acenaphthylene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Acenaphthene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Fluorene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Phenanthrene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Anthracene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Fluoranthene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Pyrene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Benzo(a)anthracene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Chrysene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Benzo(b)fluoranthene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Benzo(k)fluoranthene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Benzo(a)pyrene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Dibenz(a,h)anthracene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Benzo(g,h,i)perylene	ND		ug/L	0.51		1	313415	05/08/23	05/09/23	VTN
Surrogates				**Limits**						
Nitrobenzene-d5	66%		%REC	16-125		1	313415	05/08/23	05/09/23	VTN
2-Fluorobiphenyl	62%		%REC	17-120		1	313415	05/08/23	05/09/23	VTN
Terphenyl-d14	86%		%REC	39-123		1	313415	05/08/23	05/09/23	VTN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

Sample ID: B-3-0.5	Lab ID: 484619-009	Collected: 05/04/23 10:55
	Matrix: Soil	

484619-009 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9		0.96	313440	05/08/23	05/10/23	SBW
Arsenic	**6.4**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Barium	**120**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Beryllium	ND		mg/Kg	0.48		0.96	313440	05/08/23	05/10/23	SBW
Cadmium	ND		mg/Kg	0.48		0.96	313440	05/08/23	05/10/23	SBW
Chromium	**12**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Cobalt	**4.6**		mg/Kg	0.48		0.96	313440	05/08/23	05/10/23	SBW
Copper	**16**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Lead	**12**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Molybdenum	ND		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Nickel	**5.9**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Selenium	ND		mg/Kg	2.9		0.96	313440	05/08/23	05/10/23	SBW
Silver	ND		mg/Kg	0.48		0.96	313440	05/08/23	05/10/23	SBW
Thallium	ND		mg/Kg	2.9		0.96	313440	05/08/23	05/10/23	SBW
Vanadium	**36**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Zinc	**43**		mg/Kg	4.8		0.96	313440	05/08/23	05/10/23	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.16		1.1	313608	05/11/23	05/11/23	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	10		1	313536	05/09/23	05/12/23	SME
DRO C10-C28	**24**		mg/Kg	10		1	313536	05/09/23	05/12/23	SME
ORO C28-C44	**87**		mg/Kg	20		1	313536	05/09/23	05/12/23	SME
Surrogates				**Limits**						
n-Triacontane	92%		%REC	70-130		1	313536	05/09/23	05/12/23	SME
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10		1	313392	05/08/23	05/08/23	LYZ
Freon 12	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Chloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Bromomethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Chloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-009 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Trichlorofluoromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Acetone	ND		ug/Kg	100		1	313392	05/08/23	05/08/23	LYZ
Freon 113	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Methylene Chloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
MTBE	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
2-Butanone	ND		ug/Kg	100		1	313392	05/08/23	05/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Chloroform	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Bromochloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Benzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Trichloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Dibromomethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	8.1		1	313392	05/08/23	05/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Toluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Chlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Ethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
m,p-Xylenes	**16**		ug/Kg	10		1	313392	05/08/23	05/08/23	LYZ
o-Xylene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Styrene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Bromoform	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Isopropylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Propylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Bromobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

484619-009 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
tert-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Naphthalene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Xylene (total)	**16**		ug/Kg	5.0		1	313392	05/08/23	05/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	100%		%REC	70-145		1	313392	05/08/23	05/08/23	LYZ
1,2-Dichloroethane-d4	103%		%REC	70-145		1	313392	05/08/23	05/08/23	LYZ
Toluene-d8	98%		%REC	70-145		1	313392	05/08/23	05/08/23	LYZ
Bromofluorobenzene	105%		%REC	70-145		1	313392	05/08/23	05/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

Sample ID: B-3-3.0	Lab ID: 484619-010	Collected: 05/04/23 11:00
	Matrix: Soil	

484619-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0		0.99	313440	05/08/23	05/10/23	SBW
Arsenic	**2.5**		mg/Kg	0.99		0.99	313440	05/08/23	05/10/23	SBW
Barium	**75**		mg/Kg	0.99		0.99	313440	05/08/23	05/10/23	SBW
Beryllium	ND		mg/Kg	0.50		0.99	313440	05/08/23	05/10/23	SBW
Cadmium	ND		mg/Kg	0.50		0.99	313440	05/08/23	05/10/23	SBW
Chromium	**15**		mg/Kg	0.99		0.99	313440	05/08/23	05/10/23	SBW
Cobalt	**6.2**		mg/Kg	0.50		0.99	313440	05/08/23	05/10/23	SBW
Copper	**9.2**		mg/Kg	0.99		0.99	313440	05/08/23	05/10/23	SBW
Lead	**5.3**		mg/Kg	0.99		0.99	313440	05/08/23	05/10/23	SBW
Molybdenum	ND		mg/Kg	0.99		0.99	313440	05/08/23	05/10/23	SBW
Nickel	**6.3**		mg/Kg	0.99		0.99	313440	05/08/23	05/10/23	SBW
Selenium	ND		mg/Kg	3.0		0.99	313440	05/08/23	05/10/23	SBW
Silver	ND		mg/Kg	0.50		0.99	313440	05/08/23	05/10/23	SBW
Thallium	ND		mg/Kg	3.0		0.99	313440	05/08/23	05/10/23	SBW
Vanadium	**40**		mg/Kg	0.99		0.99	313440	05/08/23	05/10/23	SBW
Zinc	**42**		mg/Kg	5.0		0.99	313440	05/08/23	05/10/23	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.16		1.1	313608	05/11/23	05/11/23	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	10		1	313536	05/09/23	05/12/23	SME
DRO C10-C28	ND		mg/Kg	10		1	313536	05/09/23	05/12/23	SME
ORO C28-C44	ND		mg/Kg	20		1	313536	05/09/23	05/12/23	SME
Surrogates				**Limits**						
n-Triacontane	79%		%REC	70-130		1	313536	05/09/23	05/12/23	SME
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10		1	313454	05/09/23	05/09/23	LYZ
Freon 12	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Chloromethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Vinyl Chloride	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Bromomethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Chloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Trichlorofluoromethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Acetone	ND		ug/Kg	100		1	313454	05/09/23	05/09/23	LYZ
Freon 113	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Methylene Chloride	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
MTBE	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
2-Butanone	ND		ug/Kg	100		1	313454	05/09/23	05/09/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Chloroform	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Bromochloromethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Benzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Trichloroethene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Bromodichloromethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Dibromomethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Toluene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Tetrachloroethene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Dibromochloromethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Chlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Ethylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
m,p-Xylenes	ND		ug/Kg	10		1	313454	05/09/23	05/09/23	LYZ
o-Xylene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Styrene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Bromoform	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Isopropylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Propylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Bromobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
2-Chlorotoluene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
4-Chlorotoluene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

484619-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
tert-Butylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
sec-Butylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
n-Butylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Naphthalene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Xylene (total)	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	99%		%REC	70-145		1	313454	05/09/23	05/09/23	LYZ
1,2-Dichloroethane-d4	98%		%REC	70-145		1	313454	05/09/23	05/09/23	LYZ
Toluene-d8	98%		%REC	70-145		1	313454	05/09/23	05/09/23	LYZ
Bromofluorobenzene	102%		%REC	70-145		1	313454	05/09/23	05/09/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

Sample ID: B-3-7.0	Lab ID: 484619-011	Collected: 05/04/23 11:05
	Matrix: Soil	

484619-011 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9		0.96	313440	05/08/23	05/10/23	SBW
Arsenic	**4.5**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Barium	**27**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Beryllium	ND		mg/Kg	0.48		0.96	313440	05/08/23	05/10/23	SBW
Cadmium	ND		mg/Kg	0.48		0.96	313440	05/08/23	05/10/23	SBW
Chromium	**22**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Cobalt	**2.9**		mg/Kg	0.48		0.96	313440	05/08/23	05/10/23	SBW
Copper	**9.5**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Lead	**18**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Molybdenum	ND		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Nickel	**17**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Selenium	ND		mg/Kg	2.9		0.96	313440	05/08/23	05/10/23	SBW
Silver	ND		mg/Kg	0.48		0.96	313440	05/08/23	05/10/23	SBW
Thallium	ND		mg/Kg	2.9		0.96	313440	05/08/23	05/10/23	SBW
Vanadium	**25**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Zinc	**58**		mg/Kg	4.8		0.96	313440	05/08/23	05/10/23	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.15		1.1	313608	05/11/23	05/11/23	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	200		20	313536	05/09/23	05/12/23	SME
DRO C10-C28	**220**		mg/Kg	200		20	313536	05/09/23	05/12/23	SME
ORO C28-C44	**520**		mg/Kg	400		20	313536	05/09/23	05/12/23	SME
Surrogates				**Limits**						
n-Triacontane		DO	%REC	70-130		20	313536	05/09/23	05/12/23	SME
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10		1	313454	05/09/23	05/09/23	LYZ
Freon 12	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Chloromethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Vinyl Chloride	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Bromomethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Chloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-011 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Trichlorofluoromethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Acetone	ND		ug/Kg	100		1	313454	05/09/23	05/09/23	LYZ
Freon 113	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Methylene Chloride	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
MTBE	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
2-Butanone	ND		ug/Kg	100		1	313454	05/09/23	05/09/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Chloroform	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Bromochloromethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Benzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Trichloroethene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Bromodichloromethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Dibromomethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Toluene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Tetrachloroethene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Dibromochloromethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Chlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Ethylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
m,p-Xylenes	ND		ug/Kg	10		1	313454	05/09/23	05/09/23	LYZ
o-Xylene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Styrene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Bromoform	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Isopropylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Propylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Bromobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
2-Chlorotoluene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
4-Chlorotoluene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-011 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
tert-Butylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
sec-Butylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
n-Butylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Naphthalene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Xylene (total)	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	101%		%REC	70-145		1	313454	05/09/23	05/09/23	LYZ
1,2-Dichloroethane-d4	96%		%REC	70-145		1	313454	05/09/23	05/09/23	LYZ
Toluene-d8	98%		%REC	70-145		1	313454	05/09/23	05/09/23	LYZ
Bromofluorobenzene	105%		%REC	70-145		1	313454	05/09/23	05/09/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

Sample ID: B-3-GW	Lab ID: 484619-012	Collected: 05/04/23 11:10
	Matrix: Water	

484619-012 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3010A										
Antimony	**0.048**		mg/L	0.030		1	313422	05/08/23	05/08/23	SBW
Arsenic	**0.92**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Barium	**4.8**		mg/L	0.010		1	313422	05/08/23	05/09/23	SBW
Beryllium	**0.022**		mg/L	0.0050		1	313422	05/08/23	05/09/23	SBW
Cadmium	**0.012**		mg/L	0.0050		1	313422	05/08/23	05/08/23	SBW
Chromium	**1.6**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Cobalt	**0.55**		mg/L	0.0050		1	313422	05/08/23	05/08/23	SBW
Copper	**4.6**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Lead	**6.8**		mg/L	0.010		1	313422	05/08/23	05/09/23	SBW
Molybdenum	**0.19**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Nickel	**1.3**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Selenium	**0.057**		mg/L	0.030		1	313422	05/08/23	05/09/23	SBW
Silver	**0.020**		mg/L	0.0050		1	313422	05/08/23	05/08/23	SBW
Thallium	ND		mg/L	0.030		1	313422	05/08/23	05/08/23	SBW
Vanadium	**3.4**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Zinc	**12**		mg/L	0.050		1	313422	05/08/23	05/09/23	SBW
Method: EPA 7470A Prep Method: METHOD										
Mercury	ND		ug/L	0.40		1	313809	05/12/23	05/12/23	KAM
Method: EPA 8015B Prep Method: EPA 3510C										
TPH (C13-C28)	ND		mg/L	9.4	4.4	94	313344	05/07/23	05/08/23	BJG
TPH (C29-C44)	**11**	J	mg/L	28	4.4	94	313344	05/07/23	05/08/23	BJG
Surrogates				**Limits**						
n-Triacontane		DO	%REC	35-130		94	313344	05/07/23	05/08/23	BJG
Method: EPA 8260B Prep Method: EPA 5030B										
TPH Gasoline	ND		ug/L	50		1	313475	05/09/23	05/09/23	EJB
Isopropyl Ether (DIPE)	ND		ug/L	1.0		1	313475	05/09/23	05/09/23	EJB
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0		1	313475	05/09/23	05/09/23	EJB
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0		1	313475	05/09/23	05/09/23	EJB
tert-Butyl Alcohol (TBA)	ND		ug/L	10		1	313475	05/09/23	05/09/23	EJB
3-Chloropropene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Freon 12	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Chloromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Vinyl Chloride	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromomethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Chloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Trichlorofluoromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Acetone	ND		ug/L	100		1	313475	05/09/23	05/09/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-012 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Freon 113	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1-Dichloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Methylene Chloride	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
MTBE	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1-Dichloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
2-Butanone	ND		ug/L	100		1	313475	05/09/23	05/09/23	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
2,2-Dichloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Chloroform	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromochloromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1-Dichloropropene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Carbon Tetrachloride	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dichloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Benzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Trichloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dichloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromodichloromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Dibromomethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Toluene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,3-Dichloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Tetrachloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Dibromochloromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dibromoethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Chlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Ethylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
m,p-Xylenes	ND		ug/L	10		1	313475	05/09/23	05/09/23	EJB
o-Xylene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Styrene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromoform	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Isopropylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Propylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
2-Chlorotoluene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
4-Chlorotoluene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
tert-Butylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-012 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
sec-Butylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
para-Isopropyl Toluene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
n-Butylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Hexachlorobutadiene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Naphthalene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Xylene (total)	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Surrogates				**Limits**						
Dibromofluoromethane	97%		%REC	70-130		1	313475	05/09/23	05/09/23	EJB
1,2-Dichloroethane-d4	96%		%REC	70-130		1	313475	05/09/23	05/09/23	EJB
Toluene-d8	112%		%REC	70-130		1	313475	05/09/23	05/09/23	EJB
Bromofluorobenzene	98%		%REC	70-130		1	313475	05/09/23	05/09/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

Sample ID: B-4-0.5	Lab ID: 484619-013	Collected: 05/04/23 12:30
	Matrix: Soil	

484619-013 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9		0.98	313440	05/08/23	05/10/23	SBW
Arsenic	**5.0**		mg/Kg	0.98		0.98	313440	05/08/23	05/10/23	SBW
Barium	**120**		mg/Kg	0.98		0.98	313440	05/08/23	05/10/23	SBW
Beryllium	ND		mg/Kg	0.49		0.98	313440	05/08/23	05/10/23	SBW
Cadmium	ND		mg/Kg	0.49		0.98	313440	05/08/23	05/10/23	SBW
Chromium	**13**		mg/Kg	0.98		0.98	313440	05/08/23	05/10/23	SBW
Cobalt	**4.3**		mg/Kg	0.49		0.98	313440	05/08/23	05/10/23	SBW
Copper	**17**		mg/Kg	0.98		0.98	313440	05/08/23	05/10/23	SBW
Lead	**30**		mg/Kg	0.98		0.98	313440	05/08/23	05/10/23	SBW
Molybdenum	ND		mg/Kg	0.98		0.98	313440	05/08/23	05/10/23	SBW
Nickel	**5.5**		mg/Kg	0.98		0.98	313440	05/08/23	05/10/23	SBW
Selenium	ND		mg/Kg	2.9		0.98	313440	05/08/23	05/10/23	SBW
Silver	ND		mg/Kg	0.49		0.98	313440	05/08/23	05/10/23	SBW
Thallium	ND		mg/Kg	2.9		0.98	313440	05/08/23	05/10/23	SBW
Vanadium	**34**		mg/Kg	0.98		0.98	313440	05/08/23	05/10/23	SBW
Zinc	**45**		mg/Kg	4.9		0.98	313440	05/08/23	05/10/23	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.15		1.1	313608	05/11/23	05/11/23	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	10		1	313536	05/09/23	05/12/23	SME
DRO C10-C28	**26**		mg/Kg	10		1	313536	05/09/23	05/12/23	SME
ORO C28-C44	**31**		mg/Kg	20		1	313536	05/09/23	05/12/23	SME
Surrogates				**Limits**						
n-Triacontane	71%		%REC	70-130		1	313536	05/09/23	05/12/23	SME
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10		1	313454	05/09/23	05/09/23	LYZ
Freon 12	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Chloromethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Vinyl Chloride	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Bromomethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Chloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-013 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Trichlorofluoromethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Acetone	ND		ug/Kg	100		1	313454	05/09/23	05/09/23	LYZ
Freon 113	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Methylene Chloride	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
MTBE	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
2-Butanone	ND		ug/Kg	100		1	313454	05/09/23	05/09/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Chloroform	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Bromochloromethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Benzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Trichloroethene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Bromodichloromethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Dibromomethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Toluene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Tetrachloroethene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Dibromochloromethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Chlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Ethylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
m,p-Xylenes	ND		ug/Kg	10		1	313454	05/09/23	05/09/23	LYZ
o-Xylene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Styrene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Bromoform	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Isopropylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Propylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Bromobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
2-Chlorotoluene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
4-Chlorotoluene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-013 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
tert-Butylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
sec-Butylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
n-Butylbenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Naphthalene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Xylene (total)	ND		ug/Kg	5.0		1	313454	05/09/23	05/09/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	98%		%REC	70-145		1	313454	05/09/23	05/09/23	LYZ
1,2-Dichloroethane-d4	100%		%REC	70-145		1	313454	05/09/23	05/09/23	LYZ
Toluene-d8	99%		%REC	70-145		1	313454	05/09/23	05/09/23	LYZ
Bromofluorobenzene	102%		%REC	70-145		1	313454	05/09/23	05/09/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

Sample ID: B-4-3.0	Lab ID: 484619-014	Collected: 05/04/23 12:35
	Matrix: Soil	

484619-014 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0		0.99	313440	05/08/23	05/10/23	SBW
Arsenic	**2.9**		mg/Kg	0.99		0.99	313440	05/08/23	05/10/23	SBW
Barium	**65**		mg/Kg	0.99		0.99	313440	05/08/23	05/10/23	SBW
Beryllium	ND		mg/Kg	0.50		0.99	313440	05/08/23	05/10/23	SBW
Cadmium	ND		mg/Kg	0.50		0.99	313440	05/08/23	05/10/23	SBW
Chromium	**17**		mg/Kg	0.99		0.99	313440	05/08/23	05/10/23	SBW
Cobalt	**5.5**		mg/Kg	0.50		0.99	313440	05/08/23	05/10/23	SBW
Copper	**8.7**		mg/Kg	0.99		0.99	313440	05/08/23	05/10/23	SBW
Lead	**3.5**		mg/Kg	0.99		0.99	313440	05/08/23	05/10/23	SBW
Molybdenum	ND		mg/Kg	0.99		0.99	313440	05/08/23	05/10/23	SBW
Nickel	**7.0**		mg/Kg	0.99		0.99	313440	05/08/23	05/10/23	SBW
Selenium	ND		mg/Kg	3.0		0.99	313440	05/08/23	05/10/23	SBW
Silver	ND		mg/Kg	0.50		0.99	313440	05/08/23	05/10/23	SBW
Thallium	ND		mg/Kg	3.0		0.99	313440	05/08/23	05/10/23	SBW
Vanadium	**47**		mg/Kg	0.99		0.99	313440	05/08/23	05/10/23	SBW
Zinc	**38**		mg/Kg	5.0		0.99	313440	05/08/23	05/10/23	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.16		1.1	313608	05/11/23	05/11/23	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	10		1	313536	05/09/23	05/12/23	SME
DRO C10-C28	ND		mg/Kg	10		1	313536	05/09/23	05/12/23	SME
ORO C28-C44	ND		mg/Kg	20		1	313536	05/09/23	05/12/23	SME
Surrogates				**Limits**						
n-Triacontane	78%		%REC	70-130		1	313536	05/09/23	05/12/23	SME
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10		1	313391	05/08/23	05/08/23	EJB
Freon 12	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Chloromethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Vinyl Chloride	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Bromomethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Chloroethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-014 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Trichlorofluoromethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Acetone	ND		ug/Kg	100		1	313391	05/08/23	05/08/23	EJB
Freon 113	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,1-Dichloroethene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Methylene Chloride	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
MTBE	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,1-Dichloroethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
2-Butanone	ND		ug/Kg	100		1	313391	05/08/23	05/08/23	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
2,2-Dichloropropane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Chloroform	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Bromochloromethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,1,1-Trichloroethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,1-Dichloropropene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Carbon Tetrachloride	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2-Dichloroethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Benzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Trichloroethene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2-Dichloropropane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Bromodichloromethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Dibromomethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Toluene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,1,2-Trichloroethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,3-Dichloropropane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Tetrachloroethene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Dibromochloromethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2-Dibromoethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Chlorobenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Ethylbenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
m,p-Xylenes	ND		ug/Kg	10		1	313391	05/08/23	05/08/23	EJB
o-Xylene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Styrene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Bromoform	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Isopropylbenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2,3-Trichloropropane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Propylbenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Bromobenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
2-Chlorotoluene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
4-Chlorotoluene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-014 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
tert-Butylbenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
sec-Butylbenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
para-Isopropyl Toluene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,3-Dichlorobenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,4-Dichlorobenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
n-Butylbenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2-Dichlorobenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Hexachlorobutadiene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Naphthalene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Xylene (total)	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Surrogates				**Limits**						
Dibromofluoromethane	100%		%REC	70-145		1	313391	05/08/23	05/08/23	EJB
1,2-Dichloroethane-d4	99%		%REC	70-145		1	313391	05/08/23	05/08/23	EJB
Toluene-d8	100%		%REC	70-145		1	313391	05/08/23	05/08/23	EJB
Bromofluorobenzene	100%		%REC	70-145		1	313391	05/08/23	05/08/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

Sample ID: B-4-8.0	Lab ID: 484619-015	Collected: 05/04/23 12:40
	Matrix: Soil	

484619-015 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9		0.96	313440	05/08/23	05/10/23	SBW
Arsenic	**5.3**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Barium	**150**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Beryllium	ND		mg/Kg	0.48		0.96	313440	05/08/23	05/10/23	SBW
Cadmium	ND		mg/Kg	0.48		0.96	313440	05/08/23	05/10/23	SBW
Chromium	**11**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Cobalt	**2.7**		mg/Kg	0.48		0.96	313440	05/08/23	05/10/23	SBW
Copper	**9.6**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Lead	**12**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Molybdenum	**1.6**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Nickel	**18**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Selenium	ND		mg/Kg	2.9		0.96	313440	05/08/23	05/10/23	SBW
Silver	ND		mg/Kg	0.48		0.96	313440	05/08/23	05/10/23	SBW
Thallium	ND		mg/Kg	2.9		0.96	313440	05/08/23	05/10/23	SBW
Vanadium	**33**		mg/Kg	0.96		0.96	313440	05/08/23	05/10/23	SBW
Zinc	**46**		mg/Kg	4.8		0.96	313440	05/08/23	05/10/23	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.26**		mg/Kg	0.16		1.1	313608	05/11/23	05/11/23	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	200		20	313536	05/09/23	05/12/23	SME
DRO C10-C28	**260**		mg/Kg	200		20	313536	05/09/23	05/12/23	SME
ORO C28-C44	**600**		mg/Kg	400		20	313536	05/09/23	05/12/23	SME
Surrogates				**Limits**						
n-Triacontane		DO	%REC	70-130		20	313536	05/09/23	05/12/23	SME
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10		1	313391	05/08/23	05/08/23	EJB
Freon 12	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Chloromethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Vinyl Chloride	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Bromomethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Chloroethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-015 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Trichlorofluoromethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Acetone	ND		ug/Kg	100		1	313391	05/08/23	05/08/23	EJB
Freon 113	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,1-Dichloroethene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Methylene Chloride	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
MTBE	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,1-Dichloroethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
2-Butanone	ND		ug/Kg	100		1	313391	05/08/23	05/08/23	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
2,2-Dichloropropane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Chloroform	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Bromochloromethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,1,1-Trichloroethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,1-Dichloropropene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Carbon Tetrachloride	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2-Dichloroethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Benzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Trichloroethene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2-Dichloropropane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Bromodichloromethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Dibromomethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Toluene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,1,2-Trichloroethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,3-Dichloropropane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Tetrachloroethene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Dibromochloromethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2-Dibromoethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Chlorobenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Ethylbenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
m,p-Xylenes	ND		ug/Kg	10		1	313391	05/08/23	05/08/23	EJB
o-Xylene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Styrene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Bromoform	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Isopropylbenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2,3-Trichloropropane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Propylbenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Bromobenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
2-Chlorotoluene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
4-Chlorotoluene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-015 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
tert-Butylbenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
sec-Butylbenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
para-Isopropyl Toluene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,3-Dichlorobenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,4-Dichlorobenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
n-Butylbenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2-Dichlorobenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Hexachlorobutadiene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Naphthalene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Xylene (total)	ND		ug/Kg	5.0		1	313391	05/08/23	05/08/23	EJB
Surrogates				**Limits**						
Dibromofluoromethane	100%		%REC	70-145		1	313391	05/08/23	05/08/23	EJB
1,2-Dichloroethane-d4	98%		%REC	70-145		1	313391	05/08/23	05/08/23	EJB
Toluene-d8	101%		%REC	70-145		1	313391	05/08/23	05/08/23	EJB
Bromofluorobenzene	108%		%REC	70-145		1	313391	05/08/23	05/08/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

Sample ID: B-4-GW	Lab ID: 484619-016	Collected: 05/04/23 12:50
	Matrix: Water	

484619-016 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3010A										
Antimony	**0.043**		mg/L	0.030		1	313422	05/08/23	05/08/23	SBW
Arsenic	**1.1**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Barium	**3.6**		mg/L	0.010		1	313422	05/08/23	05/09/23	SBW
Beryllium	**0.025**		mg/L	0.0050		1	313422	05/08/23	05/09/23	SBW
Cadmium	**0.027**		mg/L	0.0050		1	313422	05/08/23	05/08/23	SBW
Chromium	**1.5**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Cobalt	**0.57**		mg/L	0.0050		1	313422	05/08/23	05/08/23	SBW
Copper	**9.0**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Lead	**4.6**		mg/L	0.010		1	313422	05/08/23	05/09/23	SBW
Molybdenum	**0.37**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Nickel	**1.3**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Selenium	**0.042**		mg/L	0.030		1	313422	05/08/23	05/09/23	SBW
Silver	ND		mg/L	0.0050		1	313422	05/08/23	05/08/23	SBW
Thallium	ND		mg/L	0.030		1	313422	05/08/23	05/08/23	SBW
Vanadium	**2.8**		mg/L	0.010		1	313422	05/08/23	05/08/23	SBW
Zinc	**13**		mg/L	0.050		1	313422	05/08/23	05/09/23	SBW
Method: EPA 7470A Prep Method: METHOD										
Mercury	**0.67**		ug/L	0.40		1	313809	05/12/23	05/12/23	KAM
Method: EPA 8015B Prep Method: EPA 3510C										
TPH (C13-C28)	**4.6**	J	mg/L	9.4	4.4	94	313344	05/07/23	05/08/23	BJG
TPH (C29-C44)	**11**	J	mg/L	28	4.4	94	313344	05/07/23	05/08/23	BJG
Surrogates				**Limits**						
n-Triacontane		DO	%REC	35-130		94	313344	05/07/23	05/08/23	BJG
Method: EPA 8260B Prep Method: EPA 5030B										
TPH Gasoline	ND		ug/L	50		1	313475	05/09/23	05/09/23	EJB
Isopropyl Ether (DIPE)	ND		ug/L	1.0		1	313475	05/09/23	05/09/23	EJB
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0		1	313475	05/09/23	05/09/23	EJB
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0		1	313475	05/09/23	05/09/23	EJB
tert-Butyl Alcohol (TBA)	ND		ug/L	10		1	313475	05/09/23	05/09/23	EJB
3-Chloropropene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Freon 12	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Chloromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Vinyl Chloride	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromomethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Chloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Trichlorofluoromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Acetone	ND		ug/L	100		1	313475	05/09/23	05/09/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-016 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Freon 113	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1-Dichloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Methylene Chloride	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
MTBE	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1-Dichloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
2-Butanone	ND		ug/L	100		1	313475	05/09/23	05/09/23	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
2,2-Dichloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Chloroform	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromochloromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1-Dichloropropene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Carbon Tetrachloride	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dichloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Benzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Trichloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dichloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromodichloromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Dibromomethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Toluene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,3-Dichloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Tetrachloroethene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Dibromochloromethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dibromoethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Chlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Ethylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
m,p-Xylenes	ND		ug/L	10		1	313475	05/09/23	05/09/23	EJB
o-Xylene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Styrene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromoform	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Isopropylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Propylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Bromobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
2-Chlorotoluene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
4-Chlorotoluene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
tert-Butylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484619

484619-016 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
sec-Butylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
para-Isopropyl Toluene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
n-Butylbenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Hexachlorobutadiene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Naphthalene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Xylene (total)	ND		ug/L	5.0		1	313475	05/09/23	05/09/23	EJB
Surrogates				**Limits**						
Dibromofluoromethane	100%		%REC	70-130		1	313475	05/09/23	05/09/23	EJB
1,2-Dichloroethane-d4	100%		%REC	70-130		1	313475	05/09/23	05/09/23	EJB
Toluene-d8	107%		%REC	70-130		1	313475	05/09/23	05/09/23	EJB
Bromofluorobenzene	96%		%REC	70-130		1	313475	05/09/23	05/09/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

Sample ID: OF-1	Lab ID: 484619-017	Collected: 05/04/23 16:00
	Matrix: Soil	

484619-017 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9		0.98	313849	05/12/23	05/15/23	SBW
Arsenic	**4.6**		mg/Kg	0.98		0.98	313849	05/12/23	05/15/23	SBW
Barium	**160**		mg/Kg	0.98		0.98	313849	05/12/23	05/15/23	SBW
Beryllium	ND		mg/Kg	0.49		0.98	313849	05/12/23	05/16/23	SBW
Cadmium	ND		mg/Kg	0.49		0.98	313849	05/12/23	05/15/23	SBW
Chromium	**19**		mg/Kg	0.98		0.98	313849	05/12/23	05/15/23	SBW
Cobalt	**3.2**		mg/Kg	0.49		0.98	313849	05/12/23	05/15/23	SBW
Copper	**59**		mg/Kg	0.98		0.98	313849	05/12/23	05/15/23	SBW
Lead	**49**		mg/Kg	0.98		0.98	313849	05/12/23	05/15/23	SBW
Molybdenum	ND		mg/Kg	0.98		0.98	313849	05/12/23	05/15/23	SBW
Nickel	**8.1**		mg/Kg	0.98		0.98	313849	05/12/23	05/15/23	SBW
Selenium	ND		mg/Kg	2.9		0.98	313849	05/12/23	05/15/23	SBW
Silver	ND		mg/Kg	0.49		0.98	313849	05/12/23	05/15/23	SBW
Thallium	ND		mg/Kg	2.9		0.98	313849	05/12/23	05/15/23	SBW
Vanadium	**19**		mg/Kg	0.98		0.98	313849	05/12/23	05/15/23	SBW
Zinc	**100**		mg/Kg	4.9		0.98	313849	05/12/23	05/15/23	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.15		1.1	313966	05/15/23	05/15/23	KAM
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	49		0.99	313470	05/09/23	05/09/23	TRN
Aroclor-1221	ND		ug/Kg	49		0.99	313470	05/09/23	05/09/23	TRN
Aroclor-1232	ND		ug/Kg	49		0.99	313470	05/09/23	05/09/23	TRN
Aroclor-1242	ND		ug/Kg	49		0.99	313470	05/09/23	05/09/23	TRN
Aroclor-1248	ND		ug/Kg	49		0.99	313470	05/09/23	05/09/23	TRN
Aroclor-1254	ND		ug/Kg	49		0.99	313470	05/09/23	05/09/23	TRN
Aroclor-1260	ND		ug/Kg	49		0.99	313470	05/09/23	05/09/23	TRN
Aroclor-1262	ND		ug/Kg	49		0.99	313470	05/09/23	05/09/23	TRN
Aroclor-1268	ND		ug/Kg	49		0.99	313470	05/09/23	05/09/23	TRN
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	91%		%REC	19-121		0.99	313470	05/09/23	05/09/23	TRN
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
2-Methylnaphthalene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
Naphthalene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
Acenaphthylene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
Acenaphthene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
Fluorene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484619

484619-017 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Phenanthrene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
Anthracene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
Fluoranthene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
Pyrene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
Benzo(a)anthracene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
Chrysene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
Benzo(b)fluoranthene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
Benzo(k)fluoranthene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
Benzo(a)pyrene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
Dibenz(a,h)anthracene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
Benzo(g,h,i)perylene	ND		ug/Kg	9.9		0.99	313474	05/09/23	05/09/23	VTN
Surrogates				**Limits**						
Nitrobenzene-d5	48%		%REC	27-125		0.99	313474	05/09/23	05/09/23	VTN
2-Fluorobiphenyl	46%		%REC	30-120		0.99	313474	05/09/23	05/09/23	VTN
Terphenyl-d14	58%		%REC	33-155		0.99	313474	05/09/23	05/09/23	VTN

DO Diluted Out
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

Batch QC

Type: Blank	Lab ID: QC1064050	Batch: 313422
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3010A

QC1064050 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/L	0.030		05/08/23	05/08/23
Arsenic	ND		mg/L	0.010		05/08/23	05/08/23
Barium	ND		mg/L	0.010		05/08/23	05/08/23
Beryllium	ND		mg/L	0.0050		05/08/23	05/09/23
Cadmium	ND		mg/L	0.0050		05/08/23	05/08/23
Chromium	ND		mg/L	0.010		05/08/23	05/08/23
Cobalt	ND		mg/L	0.0050		05/08/23	05/08/23
Copper	ND		mg/L	0.010		05/08/23	05/08/23
Lead	ND		mg/L	0.010		05/08/23	05/08/23
Molybdenum	ND		mg/L	0.010		05/08/23	05/08/23
Nickel	ND		mg/L	0.010		05/08/23	05/08/23
Selenium	ND		mg/L	0.030		05/08/23	05/08/23
Silver	ND		mg/L	0.0050		05/08/23	05/08/23
Thallium	ND		mg/L	0.030		05/08/23	05/08/23
Vanadium	ND		mg/L	0.010		05/08/23	05/08/23
Zinc	ND		mg/L	0.050		05/08/23	05/08/23

Type: Lab Control Sample	Lab ID: QC1064051	Batch: 313422
Matrix: Water	Method: EPA 6010B	Prep Method: EPA 3010A

QC1064051 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	0.4163	0.4000	mg/L	104%		80-120
Arsenic	0.4181	0.4000	mg/L	105%		80-120
Barium	0.4023	0.4000	mg/L	101%		80-120
Beryllium	0.4272	0.4000	mg/L	107%		80-120
Cadmium	0.4312	0.4000	mg/L	108%		80-120
Chromium	0.4656	0.4000	mg/L	116%		80-120
Cobalt	0.4495	0.4000	mg/L	112%		80-120
Copper	0.3916	0.4000	mg/L	98%		80-120
Lead	0.3816	0.4000	mg/L	95%		80-120
Molybdenum	0.4415	0.4000	mg/L	110%		80-120
Nickel	0.4417	0.4000	mg/L	110%		80-120
Selenium	0.3694	0.4000	mg/L	92%		80-120
Silver	0.1860	0.2000	mg/L	93%		80-120
Thallium	0.3794	0.4000	mg/L	95%		80-120
Vanadium	0.4092	0.4000	mg/L	102%		80-120
Zinc	0.4087	0.4000	mg/L	102%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1064052**	**Batch:**	**313422**
Matrix (Source ID):	**Water (484619-004)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3010A**

QC1064052 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	0.1653	0.01074	0.4000	mg/L	39%	*	75-125	1
Arsenic	0.5521	0.1695	0.4000	mg/L	96%		75-125	1
Barium	3.848	3.651	0.4000	mg/L	49%	NM	75-125	1
Beryllium	0.4235	0.008076	0.4000	mg/L	104%		75-125	1
Cadmium	0.4277	ND	0.4000	mg/L	107%		75-125	1
Chromium	1.072	0.7207	0.4000	mg/L	88%		75-125	1
Cobalt	0.5699	0.1638	0.4000	mg/L	102%		75-125	1
Copper	2.678	2.336	0.4000	mg/L	86%	NM	75-125	1
Lead	1.325	1.003	0.4000	mg/L	81%		75-125	1
Molybdenum	0.4050	0.04515	0.4000	mg/L	90%		75-125	1
Nickel	0.6516	0.2599	0.4000	mg/L	98%		75-125	1
Selenium	0.3354	0.01764	0.4000	mg/L	79%		75-125	1
Silver	0.2055	ND	0.2000	mg/L	103%		75-125	1
Thallium	0.3300	ND	0.4000	mg/L	82%		75-125	1
Vanadium	1.697	1.303	0.4000	mg/L	99%		75-125	1
Zinc	3.828	3.578	0.4000	mg/L	62%	NM	75-125	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1064053**	**Batch:**	**313422**
Matrix (Source ID):	**Water (484619-004)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3010A**

QC1064053 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	0.1375	0.01074	0.4000	mg/L	32%	*	75-125	18	20	1
Arsenic	0.5564	0.1695	0.4000	mg/L	97%		75-125	1	20	1
Barium	4.162	3.651	0.4000	mg/L	128%	NM	75-125	8	20	1
Beryllium	0.4228	0.008076	0.4000	mg/L	104%		75-125	0	20	1
Cadmium	0.4174	ND	0.4000	mg/L	104%		75-125	2	20	1
Chromium	1.098	0.7207	0.4000	mg/L	94%		75-125	2	20	1
Cobalt	0.5760	0.1638	0.4000	mg/L	103%		75-125	1	20	1
Copper	2.778	2.336	0.4000	mg/L	111%	NM	75-125	4	20	1
Lead	1.385	1.003	0.4000	mg/L	95%		75-125	4	20	1
Molybdenum	0.3738	0.04515	0.4000	mg/L	82%		75-125	8	20	1
Nickel	0.6554	0.2599	0.4000	mg/L	99%		75-125	1	20	1
Selenium	0.3243	0.01764	0.4000	mg/L	77%		75-125	3	20	1
Silver	0.2025	ND	0.2000	mg/L	101%		75-125	1	20	1
Thallium	0.3185	ND	0.4000	mg/L	80%		75-125	4	20	1
Vanadium	1.729	1.303	0.4000	mg/L	107%		75-125	2	20	1
Zinc	4.045	3.578	0.4000	mg/L	117%	NM	75-125	6	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1064129	Batch:	313440
Matrix (Source ID):	Soil (484666-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1064129 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	45.25	ND	99.01	mg/Kg	46%	b,*	75-125	0.99
Arsenic	98.34	3.610	99.01	mg/Kg	96%		75-125	0.99
Barium	170.6	60.32	99.01	mg/Kg	111%		75-125	0.99
Beryllium	105.6	0.3550	99.01	mg/Kg	106%		75-125	0.99
Cadmium	99.85	0.2134	99.01	mg/Kg	101%		75-125	0.99
Chromium	149.4	45.52	99.01	mg/Kg	105%		75-125	0.99
Cobalt	110.1	10.50	99.01	mg/Kg	101%		75-125	0.99
Copper	172.8	23.29	99.01	mg/Kg	151%	*	75-125	0.99
Lead	106.4	7.941	99.01	mg/Kg	99%		75-125	0.99
Molybdenum	95.93	1.463	99.01	mg/Kg	95%		75-125	0.99
Nickel	132.1	34.12	99.01	mg/Kg	99%		75-125	0.99
Selenium	89.79	0.6472	99.01	mg/Kg	90%		75-125	0.99
Silver	49.07	ND	49.50	mg/Kg	99%		75-125	0.99
Thallium	95.74	ND	99.01	mg/Kg	97%		75-125	0.99
Vanadium	154.7	45.86	99.01	mg/Kg	110%		75-125	0.99
Zinc	141.4	40.76	99.01	mg/Kg	102%		75-125	0.99

Type:	Matrix Spike Duplicate	Lab ID:	QC1064130	Batch:	313440
Matrix (Source ID):	Soil (484666-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1064130 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	44.24	ND	97.09	mg/Kg	46%	b,*	75-125	0	41	0.97
Arsenic	93.70	3.610	97.09	mg/Kg	93%		75-125	3	35	0.97
Barium	157.9	60.32	97.09	mg/Kg	100%		75-125	7	20	0.97
Beryllium	100.0	0.3550	97.09	mg/Kg	103%		75-125	4	20	0.97
Cadmium	94.03	0.2134	97.09	mg/Kg	97%		75-125	4	20	0.97
Chromium	136.1	45.52	97.09	mg/Kg	93%		75-125	8	20	0.97
Cobalt	103.0	10.50	97.09	mg/Kg	95%		75-125	5	20	0.97
Copper	189.1	23.29	97.09	mg/Kg	171%	*	75-125	11	20	0.97
Lead	98.43	7.941	97.09	mg/Kg	93%		75-125	6	20	0.97
Molybdenum	91.00	1.463	97.09	mg/Kg	92%		75-125	3	20	0.97
Nickel	124.3	34.12	97.09	mg/Kg	93%		75-125	5	20	0.97
Selenium	85.59	0.6472	97.09	mg/Kg	87%		75-125	3	20	0.97
Silver	46.33	ND	48.54	mg/Kg	95%		75-125	4	20	0.97
Thallium	91.22	ND	97.09	mg/Kg	94%		75-125	3	20	0.97
Vanadium	137.5	45.86	97.09	mg/Kg	94%		75-125	10	20	0.97
Zinc	130.2	40.76	97.09	mg/Kg	92%		75-125	7	20	0.97

ENTHALPY ANALYTICAL

Batch QC

Type:	Blank	Lab ID:	QC1064132	Batch:	313440
Matrix:	Soil	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1064132 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0		05/08/23	05/10/23
Arsenic	ND		mg/Kg	1.0		05/08/23	05/10/23
Barium	ND		mg/Kg	1.0		05/08/23	05/10/23
Beryllium	ND		mg/Kg	0.50		05/08/23	05/10/23
Cadmium	ND		mg/Kg	0.50		05/08/23	05/10/23
Chromium	ND		mg/Kg	1.0		05/08/23	05/10/23
Cobalt	ND		mg/Kg	0.50		05/08/23	05/10/23
Copper	ND		mg/Kg	1.0		05/08/23	05/10/23
Lead	ND		mg/Kg	1.0		05/08/23	05/10/23
Molybdenum	ND		mg/Kg	1.0		05/08/23	05/10/23
Nickel	ND		mg/Kg	1.0		05/08/23	05/10/23
Selenium	ND		mg/Kg	3.0		05/08/23	05/10/23
Silver	ND		mg/Kg	0.50		05/08/23	05/10/23
Thallium	ND		mg/Kg	3.0		05/08/23	05/10/23
Vanadium	ND		mg/Kg	1.0		05/08/23	05/10/23
Zinc	ND		mg/Kg	5.0		05/08/23	05/10/23

Type:	Lab Control Sample	Lab ID:	QC1064133	Batch:	313440
Matrix:	Soil	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1064133 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	103.6	100.0	mg/Kg	104%		80-120
Arsenic	99.02	100.0	mg/Kg	99%		80-120
Barium	107.5	100.0	mg/Kg	107%		80-120
Beryllium	111.1	100.0	mg/Kg	111%		80-120
Cadmium	106.2	100.0	mg/Kg	106%		80-120
Chromium	110.0	100.0	mg/Kg	110%		80-120
Cobalt	108.0	100.0	mg/Kg	108%		80-120
Copper	112.8	100.0	mg/Kg	113%		80-120
Lead	102.5	100.0	mg/Kg	103%		80-120
Molybdenum	101.5	100.0	mg/Kg	102%		80-120
Nickel	105.7	100.0	mg/Kg	106%		80-120
Selenium	94.63	100.0	mg/Kg	95%		80-120
Silver	50.01	50.00	mg/Kg	100%		80-120
Thallium	103.2	100.0	mg/Kg	103%		80-120
Vanadium	104.7	100.0	mg/Kg	105%		80-120
Zinc	105.8	100.0	mg/Kg	106%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Blank	Lab ID:	QC1065470	Batch:	313849
Matrix:	Soil	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1065470 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0		05/12/23	05/15/23
Arsenic	ND		mg/Kg	1.0		05/12/23	05/15/23
Barium	ND		mg/Kg	1.0		05/12/23	05/15/23
Beryllium	ND		mg/Kg	0.50		05/12/23	05/16/23
Cadmium	ND		mg/Kg	0.50		05/12/23	05/15/23
Chromium	ND		mg/Kg	1.0		05/12/23	05/15/23
Cobalt	ND		mg/Kg	0.50		05/12/23	05/15/23
Copper	ND		mg/Kg	1.0		05/12/23	05/15/23
Lead	ND		mg/Kg	1.0		05/12/23	05/15/23
Molybdenum	ND		mg/Kg	1.0		05/12/23	05/15/23
Nickel	ND		mg/Kg	1.0		05/12/23	05/15/23
Selenium	ND		mg/Kg	3.0		05/12/23	05/15/23
Silver	ND		mg/Kg	0.50		05/12/23	05/15/23
Thallium	ND		mg/Kg	3.0		05/12/23	05/15/23
Vanadium	ND		mg/Kg	1.0		05/12/23	05/15/23
Zinc	ND		mg/Kg	5.0		05/12/23	05/15/23

Type:	Lab Control Sample	Lab ID:	QC1065471	Batch:	313849
Matrix:	Soil	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1065471 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	110.5	100.0	mg/Kg	111%		80-120
Arsenic	110.6	100.0	mg/Kg	111%		80-120
Barium	108.2	100.0	mg/Kg	108%		80-120
Beryllium	116.1	100.0	mg/Kg	116%		80-120
Cadmium	106.7	100.0	mg/Kg	107%		80-120
Chromium	108.8	100.0	mg/Kg	109%		80-120
Cobalt	115.4	100.0	mg/Kg	115%		80-120
Copper	108.1	100.0	mg/Kg	108%		80-120
Lead	110.9	100.0	mg/Kg	111%		80-120
Molybdenum	112.1	100.0	mg/Kg	112%		80-120
Nickel	110.6	100.0	mg/Kg	111%		80-120
Selenium	102.3	100.0	mg/Kg	102%		80-120
Silver	51.72	50.00	mg/Kg	103%		80-120
Thallium	110.8	100.0	mg/Kg	111%		80-120
Vanadium	108.2	100.0	mg/Kg	108%		80-120
Zinc	113.2	100.0	mg/Kg	113%		80-120

Batch QC

Type:	Matrix Spike	Lab ID:	QC1065472	Batch:	313849
Matrix (Source ID):	Soil (484750-003)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1065472 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	27.01	ND	100.0	mg/Kg	27%	*	75-125	1
Arsenic	113.0	3.440	100.0	mg/Kg	110%		75-125	1
Barium	290.0	177.0	100.0	mg/Kg	113%		75-125	1
Beryllium	110.5	0.3268	100.0	mg/Kg	110%		75-125	1
Cadmium	103.4	ND	100.0	mg/Kg	103%		75-125	1
Chromium	124.3	15.19	100.0	mg/Kg	109%		75-125	1
Cobalt	108.8	4.903	100.0	mg/Kg	104%		75-125	1
Copper	124.7	13.85	100.0	mg/Kg	111%		75-125	1
Lead	268.6	234.7	100.0	mg/Kg	34%	*	75-125	1
Molybdenum	101.3	ND	100.0	mg/Kg	101%		75-125	1
Nickel	109.8	9.196	100.0	mg/Kg	101%		75-125	1
Selenium	101.3	0.4043	100.0	mg/Kg	101%		75-125	1
Silver	52.86	ND	50.00	mg/Kg	106%		75-125	1
Thallium	106.4	ND	100.0	mg/Kg	106%		75-125	1
Vanadium	146.2	37.26	100.0	mg/Kg	109%		75-125	1
Zinc	169.5	55.67	100.0	mg/Kg	114%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1065473	Batch:	313849
Matrix (Source ID):	Soil (484750-003)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1065473 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	26.32	ND	100.0	mg/Kg	26%	*	75-125	3	41	1
Arsenic	108.9	3.440	100.0	mg/Kg	105%		75-125	4	35	1
Barium	265.1	177.0	100.0	mg/Kg	88%		75-125	9	20	1
Beryllium	109.0	0.3268	100.0	mg/Kg	109%		75-125	1	20	1
Cadmium	100.3	ND	100.0	mg/Kg	100%		75-125	3	20	1
Chromium	129.1	15.19	100.0	mg/Kg	114%		75-125	4	20	1
Cobalt	106.0	4.903	100.0	mg/Kg	101%		75-125	3	20	1
Copper	121.8	13.85	100.0	mg/Kg	108%		75-125	2	20	1
Lead	231.3	234.7	100.0	mg/Kg	-3%	*	75-125	15	20	1
Molybdenum	97.48	ND	100.0	mg/Kg	97%		75-125	4	20	1
Nickel	108.2	9.196	100.0	mg/Kg	99%		75-125	2	20	1
Selenium	96.57	0.4043	100.0	mg/Kg	96%		75-125	5	20	1
Silver	51.18	ND	50.00	mg/Kg	102%		75-125	3	20	1
Thallium	103.1	ND	100.0	mg/Kg	103%		75-125	3	20	1
Vanadium	145.5	37.26	100.0	mg/Kg	108%		75-125	1	20	1
Zinc	155.5	55.67	100.0	mg/Kg	100%		75-125	9	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1065313**	**Batch:**	**313809**
Matrix:	**Water**	**Method:**	**EPA 7470A**	**Prep Method:**	**METHOD**

QC1065313 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		ug/L	0.40		05/12/23	05/12/23

Type:	**Lab Control Sample**	**Lab ID:**	**QC1065314**	**Batch:**	**313809**
Matrix:	**Water**	**Method:**	**EPA 7470A**	**Prep Method:**	**METHOD**

QC1065314 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	5.159	5.000	ug/L	103%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC1065318**	**Batch:**	**313809**
Matrix (Source ID):	**Water (484496-001)**	**Method:**	**EPA 7470A**	**Prep Method:**	**METHOD**

QC1065318 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	5.188	ND	5.000	ug/L	104%		75-125	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1065319**	**Batch:**	**313809**
Matrix (Source ID):	**Water (484496-001)**	**Method:**	**EPA 7470A**	**Prep Method:**	**METHOD**

QC1065319 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	5.091	ND	5.000	ug/L	102%		75-125	2	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC1065320**	**Batch:**	**313809**
Matrix (Source ID):	**Water (484619-008)**	**Method:**	**EPA 7470A**	**Prep Method:**	**METHOD**

QC1065320 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	6.397	1.547	5.000	ug/L	97%		75-125	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1065321**	**Batch:**	**313809**
Matrix (Source ID):	**Water (484619-008)**	**Method:**	**EPA 7470A**	**Prep Method:**	**METHOD**

QC1065321 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	5.751	1.547	5.000	ug/L	84%		75-125	11	20	1

Batch QC

Type: Blank	Lab ID: QC1064617	Batch: 313608
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1064617 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14		05/11/23	05/11/23

Type: Lab Control Sample	Lab ID: QC1064618	Batch: 313608
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1064618 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8574	0.8333	mg/Kg	103%		80-120

Type: Matrix Spike	Lab ID: QC1064619	Batch: 313608
Matrix (Source ID): Soil (484666-001)	Method: EPA 7471A	Prep Method: METHOD

QC1064619 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.9457	0.04525	0.9091	mg/Kg	99%		75-125	1.1

Type: Matrix Spike Duplicate	Lab ID: QC1064620	Batch: 313608
Matrix (Source ID): Soil (484666-001)	Method: EPA 7471A	Prep Method: METHOD

QC1064620 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	1.088	0.04525	1.000	mg/Kg	104%		75-125	5	20	1.2

Type: Blank	Lab ID: QC1065891	Batch: 313966
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1065891 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14		05/15/23	05/15/23

Type: Lab Control Sample	Lab ID: QC1065892	Batch: 313966
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1065892 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8247	0.8333	mg/Kg	99%		80-120

Batch QC

Type:	Matrix Spike	Lab ID:	QC1065893	Batch:	313966
Matrix (Source ID):	Soil (485017-001)	Method:	EPA 7471A	Prep Method:	METHOD

QC1065893 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.9923	0.03477	0.9615	mg/Kg	100%		75-125	1.2

Type:	Matrix Spike Duplicate	Lab ID:	QC1065894	Batch:	313966
Matrix (Source ID):	Soil (485017-001)	Method:	EPA 7471A	Prep Method:	METHOD

QC1065894 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	1.034	0.03477	0.9804	mg/Kg	102%		75-125	2	20	1.2

Type:	Blank	Lab ID:	QC1063727	Batch:	313344
Matrix:	Water	Method:	EPA 8015B	Prep Method:	EPA 3510C

QC1063727 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
TPH (C13-C28)	ND		mg/L	0.10	0.053	05/06/23	05/10/23
TPH (C29-C44)	ND		mg/L	0.30	0.053	05/06/23	05/10/23
Surrogates				**Limits**			
n-Triacontane	55%		%REC	35-130		05/06/23	05/10/23

Type:	Lab Control Sample	Lab ID:	QC1063911	Batch:	313344
Matrix:	Water	Method:	EPA 8015B	Prep Method:	EPA 3510C

QC1063911 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	0.6317	1.000	mg/L	63%		42-120
Surrogates						
n-Triacontane	0.01188	0.02000	mg/L	59%		35-130

Type:	Lab Control Sample Duplicate	Lab ID:	QC1063912	Batch:	313344
Matrix:	Water	Method:	EPA 8015B	Prep Method:	EPA 3510C

QC1063912 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	0.6407	1.000	mg/L	64%		42-120	1	36
Surrogates								
n-Triacontane	0.01125	0.02000	mg/L	56%		35-130		

Batch QC

Type: Blank	Lab ID: QC1064435	Batch: 313536
Matrix: Soil	Method: EPA 8015M	Prep Method: EPA 3580M

QC1064435 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
GRO C8-C10	ND		mg/Kg	10		05/09/23	05/11/23
DRO C10-C28	ND		mg/Kg	10		05/09/23	05/11/23
ORO C28-C44	ND		mg/Kg	20		05/09/23	05/11/23
Surrogates				**Limits**			
n-Triacontane	97%		%REC	70-130		05/09/23	05/11/23

Type: Lab Control Sample	Lab ID: QC1064436	Batch: 313536
Matrix: Soil	Method: EPA 8015M	Prep Method: EPA 3580M

QC1064436 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	261.8	247.9	mg/Kg	106%		76-122
Surrogates						
n-Triacontane	9.389	9.916	mg/Kg	95%		70-130

Type: Matrix Spike	Lab ID: QC1064437	Batch: 313536
Matrix (Source ID): Soil (484669-002)	Method: EPA 8015M	Prep Method: EPA 3580M

QC1064437 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	423.9	215.0	248.9	mg/Kg	84%		62-126	5
Surrogates								
n-Triacontane	7.629		9.955	mg/Kg		DO	70-130	5

Type: Matrix Spike Duplicate	Lab ID: QC1064438	Batch: 313536
Matrix (Source ID): Soil (484669-002)	Method: EPA 8015M	Prep Method: EPA 3580M

QC1064438 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	397.6	215.0	249.5	mg/Kg	73%		62-126	7	35	5
Surrogates										
n-Triacontane	8.066		9.980	mg/Kg		DO	70-130			5

Batch QC

Type:	Blank	Lab ID:	QC1064226	Batch:	313470
Matrix:	Soil	Method:	EPA 8082	Prep Method:	EPA 3546

QC1064226 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	50		05/09/23	05/09/23
Aroclor-1221	ND		ug/Kg	50		05/09/23	05/09/23
Aroclor-1232	ND		ug/Kg	50		05/09/23	05/09/23
Aroclor-1242	ND		ug/Kg	50		05/09/23	05/09/23
Aroclor-1248	ND		ug/Kg	50		05/09/23	05/09/23
Aroclor-1254	ND		ug/Kg	50		05/09/23	05/09/23
Aroclor-1260	ND		ug/Kg	50		05/09/23	05/09/23
Aroclor-1262	ND		ug/Kg	50		05/09/23	05/09/23
Aroclor-1268	ND		ug/Kg	50		05/09/23	05/09/23
Surrogates				**Limits**			
Decachlorobiphenyl (PCB)	89%		%REC	19-121		05/09/23	05/09/23

Type:	Lab Control Sample	Lab ID:	QC1064230	Batch:	313470
Matrix:	Miscell.	Method:	EPA 8082	Prep Method:	EPA 3546

QC1064230 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	462.3	496.5	ug/Kg	93%		14-150
Aroclor-1260	410.6	496.5	ug/Kg	83%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	32.48	49.65	ug/Kg	65%		19-121

Type:	Matrix Spike	Lab ID:	QC1064231	Batch:	313470
Matrix (Source ID):	Soil (484652-001)	Method:	EPA 8082	Prep Method:	EPA 3546

QC1064231 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	518.1	ND	500.0	ug/Kg	104%		42-127	1
Aroclor-1260	553.1	ND	500.0	ug/Kg	111%		38-130	1
Surrogates								
Decachlorobiphenyl (PCB)	49.49		50.00	ug/Kg	99%		19-121	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC1064232	Batch: 313470
Matrix (Source ID): Soil (484652-001)	Method: EPA 8082	Prep Method: EPA 3546

QC1064232 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	493.1	ND	490.2	ug/Kg	101%		42-127	3	30	0.98
Aroclor-1260	530.2	ND	490.2	ug/Kg	108%		38-130	2	30	0.98
Surrogates										
Decachlorobiphenyl (PCB)	47.93		49.02	ug/Kg	98%		19-121			0.98

Type: Lab Control Sample	Lab ID: QC1064248	Batch: 313475
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1064248 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	51.85	50.00	ug/L	104%		70-135
Benzene	51.19	50.00	ug/L	102%		70-130
Trichloroethene	61.11	50.00	ug/L	122%		70-130
Toluene	54.80	50.00	ug/L	110%		70-130
Chlorobenzene	56.84	50.00	ug/L	114%		70-130
Surrogates						
Dibromofluoromethane	50.43	50.00	ug/L	101%		70-130
1,2-Dichloroethane-d4	48.13	50.00	ug/L	96%		70-130
Toluene-d8	53.88	50.00	ug/L	108%		70-130
Bromofluorobenzene	45.67	50.00	ug/L	91%		70-130

Type: Lab Control Sample Duplicate	Lab ID: QC1064249	Batch: 313475
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1064249 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	48.66	50.00	ug/L	97%		70-135	6	30
Benzene	48.17	50.00	ug/L	96%		70-130	6	30
Trichloroethene	56.37	50.00	ug/L	113%		70-130	8	30
Toluene	50.21	50.00	ug/L	100%		70-130	9	30
Chlorobenzene	53.20	50.00	ug/L	106%		70-130	7	30
Surrogates								
Dibromofluoromethane	50.47	50.00	ug/L	101%		70-130		
1,2-Dichloroethane-d4	48.94	50.00	ug/L	98%		70-130		
Toluene-d8	53.88	50.00	ug/L	108%		70-130		
Bromofluorobenzene	46.17	50.00	ug/L	92%		70-130		

Batch QC

Type:	Lab Control Sample	Lab ID:	QC1064250	Batch:	313475
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1064250 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	412.5	500.0	ug/L	82%		70-130
Surrogates						
Dibromofluoromethane	48.68	50.00	ug/L	97%		70-130
1,2-Dichloroethane-d4	49.32	50.00	ug/L	99%		70-130
Toluene-d8	57.40	50.00	ug/L	115%		70-130
Bromofluorobenzene	48.62	50.00	ug/L	97%		70-130

Type:	Lab Control Sample Duplicate	Lab ID:	QC1064251	Batch:	313475
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1064251 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
TPH Gasoline	405.2	500.0	ug/L	81%		70-130	2	30
Surrogates								
Dibromofluoromethane	48.98	50.00	ug/L	98%		70-130		
1,2-Dichloroethane-d4	49.30	50.00	ug/L	99%		70-130		
Toluene-d8	56.06	50.00	ug/L	112%		70-130		
Bromofluorobenzene	47.71	50.00	ug/L	95%		70-130		

ENTHALPY ANALYTICAL

Batch QC

Type:	Blank	Lab ID:	QC1064253	Batch:	313475
Matrix:	Water	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1064253 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
TPH Gasoline	ND		ug/L	50		05/09/23	05/09/23
Isopropyl Ether (DIPE)	ND		ug/L	1.0		05/09/23	05/09/23
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	1.0		05/09/23	05/09/23
Methyl tert-Amyl Ether (TAME)	ND		ug/L	1.0		05/09/23	05/09/23
tert-Butyl Alcohol (TBA)	ND		ug/L	10		05/09/23	05/09/23
3-Chloropropene	ND		ug/L	5.0		05/09/23	05/09/23
Freon 12	ND		ug/L	5.0		05/09/23	05/09/23
Chloromethane	ND		ug/L	5.0		05/09/23	05/09/23
Vinyl Chloride	ND		ug/L	5.0		05/09/23	05/09/23
Bromomethane	ND		ug/L	5.0		05/09/23	05/09/23
Chloroethane	ND		ug/L	5.0		05/09/23	05/09/23
Trichlorofluoromethane	ND		ug/L	5.0		05/09/23	05/09/23
Acetone	ND		ug/L	100		05/09/23	05/09/23
Freon 113	ND		ug/L	5.0		05/09/23	05/09/23
1,1-Dichloroethene	ND		ug/L	5.0		05/09/23	05/09/23
Methylene Chloride	ND		ug/L	5.0		05/09/23	05/09/23
MTBE	ND		ug/L	5.0		05/09/23	05/09/23
trans-1,2-Dichloroethene	ND		ug/L	5.0		05/09/23	05/09/23
1,1-Dichloroethane	ND		ug/L	5.0		05/09/23	05/09/23
2-Butanone	ND		ug/L	100		05/09/23	05/09/23
cis-1,2-Dichloroethene	ND		ug/L	5.0		05/09/23	05/09/23
2,2-Dichloropropane	ND		ug/L	5.0		05/09/23	05/09/23
Chloroform	ND		ug/L	5.0		05/09/23	05/09/23
Bromochloromethane	ND		ug/L	5.0		05/09/23	05/09/23
1,1,1-Trichloroethane	ND		ug/L	5.0		05/09/23	05/09/23
1,1-Dichloropropene	ND		ug/L	5.0		05/09/23	05/09/23
Carbon Tetrachloride	ND		ug/L	5.0		05/09/23	05/09/23
1,2-Dichloroethane	ND		ug/L	5.0		05/09/23	05/09/23
Benzene	ND		ug/L	5.0		05/09/23	05/09/23
Trichloroethene	ND		ug/L	5.0		05/09/23	05/09/23
1,2-Dichloropropane	ND		ug/L	5.0		05/09/23	05/09/23
Bromodichloromethane	ND		ug/L	5.0		05/09/23	05/09/23
Dibromomethane	ND		ug/L	5.0		05/09/23	05/09/23
4-Methyl-2-Pentanone	ND		ug/L	5.0		05/09/23	05/09/23
cis-1,3-Dichloropropene	ND		ug/L	5.0		05/09/23	05/09/23
Toluene	ND		ug/L	5.0		05/09/23	05/09/23
trans-1,3-Dichloropropene	ND		ug/L	5.0		05/09/23	05/09/23
1,1,2-Trichloroethane	ND		ug/L	5.0		05/09/23	05/09/23
1,3-Dichloropropane	ND		ug/L	5.0		05/09/23	05/09/23
Tetrachloroethene	ND		ug/L	5.0		05/09/23	05/09/23
Dibromochloromethane	ND		ug/L	5.0		05/09/23	05/09/23
1,2-Dibromoethane	ND		ug/L	5.0		05/09/23	05/09/23

Batch QC

QC1064253 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorobenzene	ND		ug/L	5.0		05/09/23	05/09/23
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0		05/09/23	05/09/23
Ethylbenzene	ND		ug/L	5.0		05/09/23	05/09/23
m,p-Xylenes	ND		ug/L	10		05/09/23	05/09/23
o-Xylene	ND		ug/L	5.0		05/09/23	05/09/23
Styrene	ND		ug/L	5.0		05/09/23	05/09/23
Bromoform	ND		ug/L	5.0		05/09/23	05/09/23
Isopropylbenzene	ND		ug/L	5.0		05/09/23	05/09/23
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0		05/09/23	05/09/23
1,2,3-Trichloropropane	ND		ug/L	5.0		05/09/23	05/09/23
Propylbenzene	ND		ug/L	5.0		05/09/23	05/09/23
Bromobenzene	ND		ug/L	5.0		05/09/23	05/09/23
1,3,5-Trimethylbenzene	ND		ug/L	5.0		05/09/23	05/09/23
2-Chlorotoluene	ND		ug/L	5.0		05/09/23	05/09/23
4-Chlorotoluene	ND		ug/L	5.0		05/09/23	05/09/23
tert-Butylbenzene	ND		ug/L	5.0		05/09/23	05/09/23
1,2,4-Trimethylbenzene	ND		ug/L	5.0		05/09/23	05/09/23
sec-Butylbenzene	ND		ug/L	5.0		05/09/23	05/09/23
para-Isopropyl Toluene	ND		ug/L	5.0		05/09/23	05/09/23
1,3-Dichlorobenzene	ND		ug/L	5.0		05/09/23	05/09/23
1,4-Dichlorobenzene	ND		ug/L	5.0		05/09/23	05/09/23
n-Butylbenzene	ND		ug/L	5.0		05/09/23	05/09/23
1,2-Dichlorobenzene	ND		ug/L	5.0		05/09/23	05/09/23
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0		05/09/23	05/09/23
1,2,4-Trichlorobenzene	ND		ug/L	5.0		05/09/23	05/09/23
Hexachlorobutadiene	ND		ug/L	5.0		05/09/23	05/09/23
Naphthalene	ND		ug/L	5.0		05/09/23	05/09/23
1,2,3-Trichlorobenzene	ND		ug/L	5.0		05/09/23	05/09/23
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0		05/09/23	05/09/23
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0		05/09/23	05/09/23
Xylene (total)	ND		ug/L	5.0		05/09/23	05/09/23
Surrogates				**Limits**			
Dibromofluoromethane	98%		%REC	70-130		05/09/23	05/09/23
1,2-Dichloroethane-d4	99%		%REC	70-130		05/09/23	05/09/23
Toluene-d8	117%		%REC	70-130		05/09/23	05/09/23
Bromofluorobenzene	99%		%REC	70-130		05/09/23	05/09/23

Batch QC

Type: Lab Control Sample	Lab ID: QC1063944	Batch: 313391
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5030B

QC1063944 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	54.87	50.00	ug/Kg	110%		70-131
MTBE	48.24	50.00	ug/Kg	96%		69-130
Benzene	53.86	50.00	ug/Kg	108%		70-130
Trichloroethene	54.81	50.00	ug/Kg	110%		70-130
Toluene	55.22	50.00	ug/Kg	110%		70-130
Chlorobenzene	55.68	50.00	ug/Kg	111%		70-130
Surrogates						
Dibromofluoromethane	50.60	50.00	ug/Kg	101%		70-130
1,2-Dichloroethane-d4	47.06	50.00	ug/Kg	94%		70-145
Toluene-d8	50.32	50.00	ug/Kg	101%		70-145
Bromofluorobenzene	50.91	50.00	ug/Kg	102%		70-145

Type: Lab Control Sample Duplicate	Lab ID: QC1063945	Batch: 313391
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5030B

QC1063945 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	48.55	50.00	ug/Kg	97%		70-131	12	33
MTBE	44.88	50.00	ug/Kg	90%		69-130	7	30
Benzene	48.52	50.00	ug/Kg	97%		70-130	10	30
Trichloroethene	47.32	50.00	ug/Kg	95%		70-130	15	30
Toluene	47.98	50.00	ug/Kg	96%		70-130	14	30
Chlorobenzene	49.32	50.00	ug/Kg	99%		70-130	12	30
Surrogates								
Dibromofluoromethane	50.10	50.00	ug/Kg	100%		70-130		
1,2-Dichloroethane-d4	47.46	50.00	ug/Kg	95%		70-145		
Toluene-d8	49.49	50.00	ug/Kg	99%		70-145		
Bromofluorobenzene	50.19	50.00	ug/Kg	100%		70-145		

ENTHALPY ANALYTICAL

Batch QC

Type:	Blank	Lab ID:	QC1063948	Batch:	313391
Matrix:	Soil	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1063948 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0		05/08/23	05/08/23
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		05/08/23	05/08/23
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		05/08/23	05/08/23
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0		05/08/23	05/08/23
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0		05/08/23	05/08/23
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0		05/08/23	05/08/23
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10		05/08/23	05/08/23
Freon 12	ND		ug/Kg	5.0		05/08/23	05/08/23
Chloromethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Vinyl Chloride	ND		ug/Kg	5.0		05/08/23	05/08/23
Bromomethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Chloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Trichlorofluoromethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Acetone	ND		ug/Kg	100		05/08/23	05/08/23
Freon 113	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1-Dichloroethene	ND		ug/Kg	5.0		05/08/23	05/08/23
Methylene Chloride	ND		ug/Kg	5.0		05/08/23	05/08/23
MTBE	ND		ug/Kg	5.0		05/08/23	05/08/23
trans-1,2-Dichloroethene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1-Dichloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
2-Butanone	ND		ug/Kg	100		05/08/23	05/08/23
cis-1,2-Dichloroethene	ND		ug/Kg	5.0		05/08/23	05/08/23
2,2-Dichloropropane	ND		ug/Kg	5.0		05/08/23	05/08/23
Chloroform	ND		ug/Kg	5.0		05/08/23	05/08/23
Bromochloromethane	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1,1-Trichloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1-Dichloropropene	ND		ug/Kg	5.0		05/08/23	05/08/23
Carbon Tetrachloride	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2-Dichloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Benzene	ND		ug/Kg	5.0		05/08/23	05/08/23
Trichloroethene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2-Dichloropropane	ND		ug/Kg	5.0		05/08/23	05/08/23
Bromodichloromethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Dibromomethane	ND		ug/Kg	5.0		05/08/23	05/08/23
4-Methyl-2-Pentanone	ND		ug/Kg	5.0		05/08/23	05/08/23
cis-1,3-Dichloropropene	ND		ug/Kg	5.0		05/08/23	05/08/23
Toluene	ND		ug/Kg	5.0		05/08/23	05/08/23
trans-1,3-Dichloropropene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1,2-Trichloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
1,3-Dichloropropane	ND		ug/Kg	5.0		05/08/23	05/08/23
Tetrachloroethene	ND		ug/Kg	5.0		05/08/23	05/08/23
Dibromochloromethane	ND		ug/Kg	5.0		05/08/23	05/08/23

Batch QC

QC1063948 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,2-Dibromoethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Chlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Ethylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
m,p-Xylenes	ND		ug/Kg	10		05/08/23	05/08/23
o-Xylene	ND		ug/Kg	5.0		05/08/23	05/08/23
Styrene	ND		ug/Kg	5.0		05/08/23	05/08/23
Bromoform	ND		ug/Kg	5.0		05/08/23	05/08/23
Isopropylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2,3-Trichloropropane	ND		ug/Kg	5.0		05/08/23	05/08/23
Propylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
Bromobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
2-Chlorotoluene	ND		ug/Kg	5.0		05/08/23	05/08/23
4-Chlorotoluene	ND		ug/Kg	5.0		05/08/23	05/08/23
tert-Butylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
sec-Butylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
para-Isopropyl Toluene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,3-Dichlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,4-Dichlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
n-Butylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2-Dichlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
Hexachlorobutadiene	ND		ug/Kg	5.0		05/08/23	05/08/23
Naphthalene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
Xylene (total)	ND		ug/Kg	5.0		05/08/23	05/08/23
Surrogates				**Limits**			
Dibromofluoromethane	96%		%REC	70-130		05/08/23	05/08/23
1,2-Dichloroethane-d4	96%		%REC	70-145		05/08/23	05/08/23
Toluene-d8	101%		%REC	70-145		05/08/23	05/08/23
Bromofluorobenzene	99%		%REC	70-145		05/08/23	05/08/23

Batch QC

Type: Lab Control Sample	Lab ID: QC1063950	Batch: 313392
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5030B

QC1063950 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	51.53	50.00	ug/Kg	103%		70-131
MTBE	44.95	50.00	ug/Kg	90%		69-130
Benzene	51.52	50.00	ug/Kg	103%		70-130
Trichloroethene	62.46	50.00	ug/Kg	125%		70-130
Toluene	51.47	50.00	ug/Kg	103%		70-130
Chlorobenzene	56.54	50.00	ug/Kg	113%		70-130
Surrogates						
Dibromofluoromethane	49.54	50.00	ug/Kg	99%		70-130
1,2-Dichloroethane-d4	46.35	50.00	ug/Kg	93%		70-145
Toluene-d8	47.46	50.00	ug/Kg	95%		70-145
Bromofluorobenzene	46.14	50.00	ug/Kg	92%		70-145

Type: Lab Control Sample Duplicate	Lab ID: QC1063951	Batch: 313392
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5030B

QC1063951 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	49.44	50.00	ug/Kg	99%		70-131	4	33
MTBE	43.64	50.00	ug/Kg	87%		69-130	3	30
Benzene	48.18	50.00	ug/Kg	96%		70-130	7	30
Trichloroethene	57.56	50.00	ug/Kg	115%		70-130	8	30
Toluene	47.58	50.00	ug/Kg	95%		70-130	8	30
Chlorobenzene	53.68	50.00	ug/Kg	107%		70-130	5	30
Surrogates								
Dibromofluoromethane	49.27	50.00	ug/Kg	99%		70-130		
1,2-Dichloroethane-d4	45.74	50.00	ug/Kg	91%		70-145		
Toluene-d8	47.07	50.00	ug/Kg	94%		70-145		
Bromofluorobenzene	46.25	50.00	ug/Kg	93%		70-145		

Batch QC

Type:	Blank	Lab ID:	QC1063954	Batch:	313392
Matrix:	Soil	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1063954 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0		05/08/23	05/08/23
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		05/08/23	05/08/23
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		05/08/23	05/08/23
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0		05/08/23	05/08/23
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0		05/08/23	05/08/23
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0		05/08/23	05/08/23
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10		05/08/23	05/08/23
Freon 12	ND		ug/Kg	5.0		05/08/23	05/08/23
Chloromethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Vinyl Chloride	ND		ug/Kg	5.0		05/08/23	05/08/23
Bromomethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Chloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Trichlorofluoromethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Acetone	ND		ug/Kg	100		05/08/23	05/08/23
Freon 113	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1-Dichloroethene	ND		ug/Kg	5.0		05/08/23	05/08/23
Methylene Chloride	ND		ug/Kg	5.0		05/08/23	05/08/23
MTBE	ND		ug/Kg	5.0		05/08/23	05/08/23
trans-1,2-Dichloroethene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1-Dichloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
2-Butanone	ND		ug/Kg	100		05/08/23	05/08/23
cis-1,2-Dichloroethene	ND		ug/Kg	5.0		05/08/23	05/08/23
2,2-Dichloropropane	ND		ug/Kg	5.0		05/08/23	05/08/23
Chloroform	ND		ug/Kg	5.0		05/08/23	05/08/23
Bromochloromethane	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1,1-Trichloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1-Dichloropropene	ND		ug/Kg	5.0		05/08/23	05/08/23
Carbon Tetrachloride	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2-Dichloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Benzene	ND		ug/Kg	5.0		05/08/23	05/08/23
Trichloroethene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2-Dichloropropane	ND		ug/Kg	5.0		05/08/23	05/08/23
Bromodichloromethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Dibromomethane	ND		ug/Kg	5.0		05/08/23	05/08/23
4-Methyl-2-Pentanone	ND		ug/Kg	8.1		05/08/23	05/08/23
cis-1,3-Dichloropropene	ND		ug/Kg	5.0		05/08/23	05/08/23
Toluene	ND		ug/Kg	5.0		05/08/23	05/08/23
trans-1,3-Dichloropropene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1,2-Trichloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
1,3-Dichloropropane	ND		ug/Kg	5.0		05/08/23	05/08/23
Tetrachloroethene	ND		ug/Kg	5.0		05/08/23	05/08/23
Dibromochloromethane	ND		ug/Kg	5.0		05/08/23	05/08/23

ENTHALPY ANALYTICAL

Batch QC

QC1063954 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,2-Dibromoethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Chlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Ethylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
m,p-Xylenes	ND		ug/Kg	10		05/08/23	05/08/23
o-Xylene	ND		ug/Kg	5.0		05/08/23	05/08/23
Styrene	ND		ug/Kg	5.0		05/08/23	05/08/23
Bromoform	ND		ug/Kg	5.0		05/08/23	05/08/23
Isopropylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2,3-Trichloropropane	ND		ug/Kg	5.0		05/08/23	05/08/23
Propylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
Bromobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
2-Chlorotoluene	ND		ug/Kg	5.0		05/08/23	05/08/23
4-Chlorotoluene	ND		ug/Kg	5.0		05/08/23	05/08/23
tert-Butylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
sec-Butylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
para-Isopropyl Toluene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,3-Dichlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,4-Dichlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
n-Butylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2-Dichlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
Hexachlorobutadiene	ND		ug/Kg	5.0		05/08/23	05/08/23
Naphthalene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
Xylene (total)	ND		ug/Kg	5.0		05/08/23	05/08/23
Surrogates				**Limits**			
Dibromofluoromethane	98%		%REC	70-130		05/08/23	05/08/23
1,2-Dichloroethane-d4	99%		%REC	70-145		05/08/23	05/08/23
Toluene-d8	110%		%REC	70-145		05/08/23	05/08/23
Bromofluorobenzene	98%		%REC	70-145		05/08/23	05/08/23

Batch QC

Type: Lab Control Sample	Lab ID: QC1064168	Batch: 313454
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5030B

QC1064168 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	54.95	50.00	ug/Kg	110%		70-131
MTBE	52.62	50.00	ug/Kg	105%		69-130
Benzene	53.74	50.00	ug/Kg	107%		70-130
Trichloroethene	54.13	50.00	ug/Kg	108%		70-130
Toluene	54.17	50.00	ug/Kg	108%		70-130
Chlorobenzene	56.62	50.00	ug/Kg	113%		70-130
Surrogates						
Dibromofluoromethane	49.66	50.00	ug/Kg	99%		70-130
1,2-Dichloroethane-d4	50.64	50.00	ug/Kg	101%		70-145
Toluene-d8	50.31	50.00	ug/Kg	101%		70-145
Bromofluorobenzene	50.32	50.00	ug/Kg	101%		70-145

Type: Lab Control Sample Duplicate	Lab ID: QC1064169	Batch: 313454
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5030B

QC1064169 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	51.76	50.00	ug/Kg	104%		70-131	6	33
MTBE	50.53	50.00	ug/Kg	101%		69-130	4	30
Benzene	51.92	50.00	ug/Kg	104%		70-130	3	30
Trichloroethene	51.94	50.00	ug/Kg	104%		70-130	4	30
Toluene	52.41	50.00	ug/Kg	105%		70-130	3	30
Chlorobenzene	53.65	50.00	ug/Kg	107%		70-130	5	30
Surrogates								
Dibromofluoromethane	49.83	50.00	ug/Kg	100%		70-130		
1,2-Dichloroethane-d4	50.16	50.00	ug/Kg	100%		70-145		
Toluene-d8	49.81	50.00	ug/Kg	100%		70-145		
Bromofluorobenzene	49.25	50.00	ug/Kg	98%		70-145		

ENTHALPY ANALYTICAL

Batch QC

Type:	Blank	Lab ID:	QC1064172	Batch:	313454
Matrix:	Soil	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1064172 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0		05/08/23	05/08/23
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		05/08/23	05/08/23
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0		05/08/23	05/08/23
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0		05/08/23	05/08/23
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0		05/08/23	05/08/23
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0		05/08/23	05/08/23
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10		05/08/23	05/08/23
Freon 12	ND		ug/Kg	5.0		05/08/23	05/08/23
Chloromethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Vinyl Chloride	ND		ug/Kg	5.0		05/08/23	05/08/23
Bromomethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Chloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Trichlorofluoromethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Acetone	ND		ug/Kg	100		05/08/23	05/08/23
Freon 113	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1-Dichloroethene	ND		ug/Kg	5.0		05/08/23	05/08/23
Methylene Chloride	ND		ug/Kg	5.0		05/08/23	05/08/23
MTBE	ND		ug/Kg	5.0		05/08/23	05/08/23
trans-1,2-Dichloroethene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1-Dichloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
2-Butanone	ND		ug/Kg	100		05/08/23	05/08/23
cis-1,2-Dichloroethene	ND		ug/Kg	5.0		05/08/23	05/08/23
2,2-Dichloropropane	ND		ug/Kg	5.0		05/08/23	05/08/23
Chloroform	ND		ug/Kg	5.0		05/08/23	05/08/23
Bromochloromethane	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1,1-Trichloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1-Dichloropropene	ND		ug/Kg	5.0		05/08/23	05/08/23
Carbon Tetrachloride	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2-Dichloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Benzene	ND		ug/Kg	5.0		05/08/23	05/08/23
Trichloroethene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2-Dichloropropane	ND		ug/Kg	5.0		05/08/23	05/08/23
Bromodichloromethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Dibromomethane	ND		ug/Kg	5.0		05/08/23	05/08/23
4-Methyl-2-Pentanone	ND		ug/Kg	5.0		05/08/23	05/08/23
cis-1,3-Dichloropropene	ND		ug/Kg	5.0		05/08/23	05/08/23
Toluene	ND		ug/Kg	5.0		05/08/23	05/08/23
trans-1,3-Dichloropropene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1,2-Trichloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
1,3-Dichloropropane	ND		ug/Kg	5.0		05/08/23	05/08/23
Tetrachloroethene	ND		ug/Kg	5.0		05/08/23	05/08/23
Dibromochloromethane	ND		ug/Kg	5.0		05/08/23	05/08/23

ENTHALPY ANALYTICAL

Batch QC

QC1064172 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,2-Dibromoethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Chlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
Ethylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
m,p-Xylenes	ND		ug/Kg	10		05/08/23	05/08/23
o-Xylene	ND		ug/Kg	5.0		05/08/23	05/08/23
Styrene	ND		ug/Kg	5.0		05/08/23	05/08/23
Bromoform	ND		ug/Kg	5.0		05/08/23	05/08/23
Isopropylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2,3-Trichloropropane	ND		ug/Kg	5.0		05/08/23	05/08/23
Propylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
Bromobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
2-Chlorotoluene	ND		ug/Kg	5.0		05/08/23	05/08/23
4-Chlorotoluene	ND		ug/Kg	5.0		05/08/23	05/08/23
tert-Butylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
sec-Butylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
para-Isopropyl Toluene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,3-Dichlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,4-Dichlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
n-Butylbenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2-Dichlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
Hexachlorobutadiene	ND		ug/Kg	5.0		05/08/23	05/08/23
Naphthalene	ND		ug/Kg	5.0		05/08/23	05/08/23
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0		05/08/23	05/08/23
Xylene (total)	ND		ug/Kg	5.0		05/08/23	05/08/23
Surrogates				**Limits**			
Dibromofluoromethane	97%		%REC	70-130		05/08/23	05/08/23
1,2-Dichloroethane-d4	96%		%REC	70-145		05/08/23	05/08/23
Toluene-d8	99%		%REC	70-145		05/08/23	05/08/23
Bromofluorobenzene	100%		%REC	70-145		05/08/23	05/08/23

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1064153**	**Batch:**	**313415**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3510C**

QC1064153 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/L	0.50		05/08/23	05/08/23
2-Methylnaphthalene	ND		ug/L	0.50		05/08/23	05/08/23
Naphthalene	ND		ug/L	0.50		05/08/23	05/08/23
Acenaphthylene	ND		ug/L	0.50		05/08/23	05/08/23
Acenaphthene	ND		ug/L	0.50		05/08/23	05/08/23
Fluorene	ND		ug/L	0.50		05/08/23	05/08/23
Phenanthrene	ND		ug/L	0.50		05/08/23	05/08/23
Anthracene	ND		ug/L	0.50		05/08/23	05/08/23
Fluoranthene	ND		ug/L	0.50		05/08/23	05/08/23
Pyrene	ND		ug/L	0.50		05/08/23	05/08/23
Benzo(a)anthracene	ND		ug/L	0.50		05/08/23	05/08/23
Chrysene	ND		ug/L	0.50		05/08/23	05/08/23
Benzo(b)fluoranthene	ND		ug/L	0.50		05/08/23	05/08/23
Benzo(k)fluoranthene	ND		ug/L	0.50		05/08/23	05/08/23
Benzo(a)pyrene	ND		ug/L	0.50		05/08/23	05/08/23
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.50		05/08/23	05/08/23
Dibenz(a,h)anthracene	ND		ug/L	0.50		05/08/23	05/08/23
Benzo(g,h,i)perylene	ND		ug/L	0.50		05/08/23	05/08/23
Surrogates				**Limits**			
Nitrobenzene-d5	82%		%REC	16-125		05/08/23	05/08/23
2-Fluorobiphenyl	72%		%REC	17-120		05/08/23	05/08/23
Terphenyl-d14	74%		%REC	39-123		05/08/23	05/08/23

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1064154**	**Batch:**	**313415**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3510C**

QC1064154 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	3.193	4.000	ug/L	80%		23-120
2-Methylnaphthalene	3.639	4.000	ug/L	91%		33-120
Naphthalene	3.435	4.000	ug/L	86%		38-120
Acenaphthylene	3.468	4.000	ug/L	87%		37-120
Acenaphthene	3.671	4.000	ug/L	92%		39-120
Fluorene	3.575	4.000	ug/L	89%		43-120
Phenanthrene	3.833	4.000	ug/L	96%		42-120
Anthracene	3.739	4.000	ug/L	93%		42-120
Fluoranthene	3.761	4.000	ug/L	94%		48-120
Pyrene	3.823	4.000	ug/L	96%		44-120
Benzo(a)anthracene	3.807	4.000	ug/L	95%		51-126
Chrysene	3.651	4.000	ug/L	91%		47-120
Benzo(b)fluoranthene	3.999	4.000	ug/L	100%		44-127
Benzo(k)fluoranthene	3.993	4.000	ug/L	100%		43-127
Benzo(a)pyrene	3.951	4.000	ug/L	99%		29-124
Indeno(1,2,3-cd)pyrene	4.069	4.000	ug/L	102%		44-127
Dibenz(a,h)anthracene	3.725	4.000	ug/L	93%		55-120
Benzo(g,h,i)perylene	4.460	4.000	ug/L	112%		46-120
Surrogates						
Nitrobenzene-d5	3.745	4.000	ug/L	94%		16-125
2-Fluorobiphenyl	3.085	4.000	ug/L	77%		17-120
Terphenyl-d14	3.260	4.000	ug/L	82%		39-123

Batch QC

Type:	Lab Control Sample Duplicate	Lab ID:	QC1064155	Batch:	313415
Matrix:	Water	Method:	EPA 8270C-SIM	Prep Method:	EPA 3510C

QC1064155 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1-Methylnaphthalene	3.211	4.000	ug/L	80%		23-120	1	20
2-Methylnaphthalene	3.670	4.000	ug/L	92%		33-120	1	20
Naphthalene	3.389	4.000	ug/L	85%		38-120	1	20
Acenaphthylene	3.446	4.000	ug/L	86%		37-120	1	20
Acenaphthene	3.739	4.000	ug/L	93%		39-120	2	20
Fluorene	3.687	4.000	ug/L	92%		43-120	3	20
Phenanthrene	4.024	4.000	ug/L	101%		42-120	5	20
Anthracene	3.948	4.000	ug/L	99%		42-120	5	20
Fluoranthene	4.029	4.000	ug/L	101%		48-120	7	20
Pyrene	4.077	4.000	ug/L	102%		44-120	6	20
Benzo(a)anthracene	4.086	4.000	ug/L	102%		51-126	7	20
Chrysene	3.962	4.000	ug/L	99%		47-120	8	20
Benzo(b)fluoranthene	4.264	4.000	ug/L	107%		44-127	6	20
Benzo(k)fluoranthene	4.259	4.000	ug/L	106%		43-127	6	20
Benzo(a)pyrene	3.837	4.000	ug/L	96%		29-124	3	20
Indeno(1,2,3-cd)pyrene	4.411	4.000	ug/L	110%		44-127	8	20
Dibenz(a,h)anthracene	3.999	4.000	ug/L	100%		55-120	7	20
Benzo(g,h,i)perylene	4.776	4.000	ug/L	119%		46-120	7	20
Surrogates								
Nitrobenzene-d5	3.624	4.000	ug/L	91%		16-125		
2-Fluorobiphenyl	3.081	4.000	ug/L	77%		17-120		
Terphenyl-d14	3.533	4.000	ug/L	88%		39-123		

Batch QC

Type:	Blank	Lab ID:	QC1064246	Batch:	313474
Matrix:	Soil	Method:	EPA 8270C-SIM	Prep Method:	EPA 3546

QC1064246 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/Kg	10		05/09/23	05/09/23
2-Methylnaphthalene	ND		ug/Kg	10		05/09/23	05/09/23
Naphthalene	ND		ug/Kg	10		05/09/23	05/09/23
Acenaphthylene	ND		ug/Kg	10		05/09/23	05/09/23
Acenaphthene	ND		ug/Kg	10		05/09/23	05/09/23
Fluorene	ND		ug/Kg	10		05/09/23	05/09/23
Phenanthrene	ND		ug/Kg	10		05/09/23	05/09/23
Anthracene	ND		ug/Kg	10		05/09/23	05/09/23
Fluoranthene	ND		ug/Kg	10		05/09/23	05/09/23
Pyrene	ND		ug/Kg	10		05/09/23	05/09/23
Benzo(a)anthracene	ND		ug/Kg	10		05/09/23	05/09/23
Chrysene	ND		ug/Kg	10		05/09/23	05/09/23
Benzo(b)fluoranthene	ND		ug/Kg	10		05/09/23	05/09/23
Benzo(k)fluoranthene	ND		ug/Kg	10		05/09/23	05/09/23
Benzo(a)pyrene	ND		ug/Kg	10		05/09/23	05/09/23
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10		05/09/23	05/09/23
Dibenz(a,h)anthracene	ND		ug/Kg	10		05/09/23	05/09/23
Benzo(g,h,i)perylene	ND		ug/Kg	10		05/09/23	05/09/23
Surrogates				**Limits**			
Nitrobenzene-d5	79%	E	%REC	27-125		05/09/23	05/09/23
2-Fluorobiphenyl	73%	E	%REC	30-120		05/09/23	05/09/23
Terphenyl-d14	80%	E	%REC	33-155		05/09/23	05/09/23

Batch QC

Type:	Lab Control Sample	Lab ID:	QC1064389	Batch:	313474
Matrix:	Soil	Method:	EPA 8270C-SIM	Prep Method:	EPA 3546

QC1064389 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	156.4	199.6	ug/Kg	78%		28-130
2-Methylnaphthalene	163.1	199.6	ug/Kg	82%		33-130
Naphthalene	155.7	199.6	ug/Kg	78%		25-130
Acenaphthylene	167.4	199.6	ug/Kg	84%		28-130
Acenaphthene	153.7	199.6	ug/Kg	77%		32-130
Fluorene	158.3	199.6	ug/Kg	79%		35-130
Phenanthrene	157.4	199.6	ug/Kg	79%		35-132
Anthracene	165.5	199.6	ug/Kg	83%		34-136
Fluoranthene	158.0	199.6	ug/Kg	79%		34-139
Pyrene	158.2	199.6	ug/Kg	79%		35-134
Benzo(a)anthracene	149.8	199.6	ug/Kg	75%		30-132
Chrysene	157.2	199.6	ug/Kg	79%		29-130
Benzo(b)fluoranthene	145.8	199.6	ug/Kg	73%		32-137
Benzo(k)fluoranthene	152.9	199.6	ug/Kg	77%		32-130
Benzo(a)pyrene	146.1	199.6	ug/Kg	73%		10-138
Indeno(1,2,3-cd)pyrene	174.1	199.6	ug/Kg	87%		34-132
Dibenz(a,h)anthracene	176.7	199.6	ug/Kg	89%		32-130
Benzo(g,h,i)perylene	171.1	199.6	ug/Kg	86%		27-130
Surrogates						
Nitrobenzene-d5	167.3	199.6	ug/Kg	84%		27-125
2-Fluorobiphenyl	163.6	199.6	ug/Kg	82%		30-120
Terphenyl-d14	173.1	199.6	ug/Kg	87%		33-155

Batch QC

Type:	Matrix Spike	Lab ID:	QC1064390	Batch:	313474
Matrix (Source ID):	Soil (484619-017)	Method:	EPA 8270C-SIM	Prep Method:	EPA 3546

QC1064390 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1-Methylnaphthalene	102.2	ND	198.5	ug/Kg	51%		25-130	0.99
2-Methylnaphthalene	102.9	ND	198.5	ug/Kg	52%		32-133	0.99
Naphthalene	97.00	ND	198.5	ug/Kg	49%		33-130	0.99
Acenaphthylene	108.7	ND	198.5	ug/Kg	55%		14-157	0.99
Acenaphthene	96.39	ND	198.5	ug/Kg	49%		28-134	0.99
Fluorene	102.5	ND	198.5	ug/Kg	52%		27-140	0.99
Phenanthrene	113.1	ND	198.5	ug/Kg	57%		29-147	0.99
Anthracene	121.3	ND	198.5	ug/Kg	61%		24-156	0.99
Fluoranthene	124.7	3.361	198.5	ug/Kg	61%		28-160	0.99
Pyrene	124.4	2.876	198.5	ug/Kg	61%		26-153	0.99
Benzo(a)anthracene	111.6	ND	198.5	ug/Kg	56%		26-174	0.99
Chrysene	115.9	1.708	198.5	ug/Kg	58%		40-139	0.99
Benzo(b)fluoranthene	110.1	1.735	198.5	ug/Kg	55%		36-164	0.99
Benzo(k)fluoranthene	113.2	ND	198.5	ug/Kg	57%		36-161	0.99
Benzo(a)pyrene	111.8	ND	198.5	ug/Kg	56%		18-173	0.99
Indeno(1,2,3-cd)pyrene	127.5	ND	198.5	ug/Kg	64%		26-154	0.99
Dibenz(a,h)anthracene	126.7	ND	198.5	ug/Kg	64%		38-132	0.99
Benzo(g,h,i)perylene	123.1	ND	198.5	ug/Kg	62%		36-130	0.99
Surrogates								
Nitrobenzene-d5	105.8		198.5	ug/Kg	53%		27-125	0.99
2-Fluorobiphenyl	102.5		198.5	ug/Kg	52%		30-120	0.99
Terphenyl-d14	133.5		198.5	ug/Kg	67%		33-155	0.99

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1064391	Batch:	313474
Matrix (Source ID):	Soil (484619-017)	Method:	EPA 8270C-SIM	Prep Method:	EPA 3546

QC1064391 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1-Methylnaphthalene	121.7	ND	201.0	ug/Kg	61%		25-130	16	35	1
2-Methylnaphthalene	123.1	ND	201.0	ug/Kg	61%		32-133	17	35	1
Naphthalene	113.2	ND	201.0	ug/Kg	56%		33-130	14	35	1
Acenaphthylene	132.7	ND	201.0	ug/Kg	66%		14-157	19	35	1
Acenaphthene	118.9	ND	201.0	ug/Kg	59%		28-134	20	35	1
Fluorene	124.7	ND	201.0	ug/Kg	62%		27-140	18	35	1
Phenanthrene	122.3	ND	201.0	ug/Kg	61%		29-147	7	35	1
Anthracene	129.7	ND	201.0	ug/Kg	65%		24-156	5	35	1
Fluoranthene	130.0	3.361	201.0	ug/Kg	63%		28-160	3	35	1
Pyrene	129.8	2.876	201.0	ug/Kg	63%		26-153	3	35	1
Benzo(a)anthracene	118.4	ND	201.0	ug/Kg	59%		26-174	5	35	1
Chrysene	121.7	1.708	201.0	ug/Kg	60%		40-139	4	35	1
Benzo(b)fluoranthene	118.6	1.735	201.0	ug/Kg	58%		36-164	6	35	1
Benzo(k)fluoranthene	117.4	ND	201.0	ug/Kg	58%		36-161	2	35	1
Benzo(a)pyrene	117.4	ND	201.0	ug/Kg	58%		18-173	4	35	1
Indeno(1,2,3-cd)pyrene	133.2	ND	201.0	ug/Kg	66%		26-154	3	35	1
Dibenz(a,h)anthracene	134.1	ND	201.0	ug/Kg	67%		38-132	4	35	1
Benzo(g,h,i)perylene	128.5	ND	201.0	ug/Kg	64%		36-130	3	35	1
Surrogates										
Nitrobenzene-d5	126.6		201.0	ug/Kg	63%		27-125			1
2-Fluorobiphenyl	123.9		201.0	ug/Kg	62%		30-120			1
Terphenyl-d14	139.9		201.0	ug/Kg	70%		33-155			1

*	Value is outside QC limits
DO	Diluted Out
E	Response exceeds instrument's linear range
ND	Not Detected
NM	Not Meaningful
b	See narrative

Laboratory Job Number 484619

Subcontracted Products

Eurofins Southwest

Eurofins Environment Testing

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

ANALYTICAL REPORT

PREPARED FOR

Attn: Patty Mata
Enthalpy Analytical LLC
931 W. Barkley Ave
Orange, California 92868
Generated 5/22/2023 4:44:55 PM

JOB DESCRIPTION

484619

JOB NUMBER

570-137785-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

myEOL

Eurofins Calscience

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Calscience Project Manager.

Authorization

Generated
5/22/2023 4:44:55 PM

Authorized for release by
Xuan Dang, Project Manager I
Xuan.Dang@et.eurofinsus.com
(714)895-5494

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Table of Contents

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Client: Enthalpy Analytical LLC
Job ID: 570-137785-1
Project/Site: 484619

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Job ID: 570-137785-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-137785-1

Receipt

The sample was received on 5/9/2023 5:00 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.4°C

GC/MS Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Enthalpy Analytical LLC
Job ID: 570-137785-1
Project/Site: 484619

Client Sample ID: OF-1
Lab Sample ID: 570-137785-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Tributyltin	3.9		3.0		ug/Kg	1		Organotins SIM	Total/NA
Dibutyltin	7.4		3.0		ug/Kg	1		Organotins SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Enthalpy Analytical LLC
Job ID: 570-137785-1
Project/Site: 484619

Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM)

Client Sample ID: OF-1
Lab Sample ID: 570-137785-1
Date Collected: 05/04/23 16:00
Matrix: Solid
Date Received: 05/09/23 17:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Tributyltin	**3.9**		3.0		ug/Kg		05/11/23 10:59	05/12/23 15:35	1
Dibutyltin	**7.4**		3.0		ug/Kg		05/11/23 10:59	05/12/23 15:35	1
Monobutyltin	ND		3.0		ug/Kg		05/11/23 10:59	05/12/23 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*112*		*39 - 150*	*05/11/23 10:59*	*05/12/23 15:35*	*1*

Client: Enthalpy Analytical LLC

Job ID: 570-137785-1

Project/Site: 484619

Method: Organotins SIM - Organotins (GC/MS SIM)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		TPTT
Lab Sample ID	Client Sample ID	(39-150)
570-137785-1	OF-1	112
LCS 570-328223/2-A	Lab Control Sample	85
LCSD 570-328223/3-A	Lab Control Sample Dup	87
MB 570-328223/1-A	Method Blank	84

Surrogate Legend

TPTT = Tripentyltin

Method: Organotins SIM - Organotins (GC/MS SIM)

Lab Sample ID: MB 570-328223/1-A
Matrix: Solid
Analysis Batch: 328572

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 328223

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Tributyltin	ND		3.0		ug/Kg		05/11/23 10:59	05/12/23 13:26	1
Dibutyltin	ND		3.0		ug/Kg		05/11/23 10:59	05/12/23 13:26	1
Monobutyltin	ND		3.0		ug/Kg		05/11/23 10:59	05/12/23 13:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*84*		*39 - 150*	*05/11/23 10:59*	*05/12/23 13:26*	*1*

Lab Sample ID: LCS 570-328223/2-A
Matrix: Solid
Analysis Batch: 328572

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 328223

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Tributyltin	20.0	7.910		ug/Kg		40	10 - 126
Dibutyltin	20.0	9.055		ug/Kg		45	14 - 174
Monobutyltin	20.0	1.282	J	ug/Kg		6	5 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tripentyltin	*85*		*39 - 150*

Lab Sample ID: LCSD 570-328223/3-A
Matrix: Solid
Analysis Batch: 328572

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 328223

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Tributyltin	20.0	7.903		ug/Kg		40	10 - 126	0	30
Dibutyltin	20.0	9.938		ug/Kg		50	14 - 174	9	30
Monobutyltin	20.0	1.232	J	ug/Kg		6	5 - 120	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tripentyltin	*87*		*39 - 150*

QC Association Summary

GC/MS Semi VOA

Prep Batch: 328223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-137785-1	OF-1	Total/NA	Solid	Organotin Prep	
MB 570-328223/1-A	Method Blank	Total/NA	Solid	Organotin Prep	
LCS 570-328223/2-A	Lab Control Sample	Total/NA	Solid	Organotin Prep	
LCSD 570-328223/3-A	Lab Control Sample Dup	Total/NA	Solid	Organotin Prep	

Analysis Batch: 328572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-137785-1	OF-1	Total/NA	Solid	Organotins SIM	328223
MB 570-328223/1-A	Method Blank	Total/NA	Solid	Organotins SIM	328223
LCS 570-328223/2-A	Lab Control Sample	Total/NA	Solid	Organotins SIM	328223
LCSD 570-328223/3-A	Lab Control Sample Dup	Total/NA	Solid	Organotins SIM	328223

Client Sample ID: OF-1　　**Lab Sample ID: 570-137785-1**
Date Collected: 05/04/23 16:00　　**Matrix: Solid**
Date Received: 05/09/23 17:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Organotin Prep			20.0 g	2 mL	328223	05/11/23 10:59	UWEZ	EET CAL 4
Total/NA	Analysis	Organotins SIM		1	1 mL	1 mL	328572	05/12/23 15:35	ULLI	EET CAL 4
	Instrument ID: GCMSY									

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: Enthalpy Analytical LLC
Project/Site: 484619

Job ID: 570-137785-1

Laboratory: Eurofins Calscience

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Organotins SIM	Organotin Prep	Solid	Dibutyltin
Organotins SIM	Organotin Prep	Solid	Monobutyltin
Organotins SIM	Organotin Prep	Solid	Tributyltin

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-24

Method Summary

Client: Enthalpy Analytical LLC
Project/Site: 484619

Job ID: 570-137785-1

Method	Method Description	Protocol	Laboratory
Organotins SIM	Organotins (GC/MS SIM)	Lab SOP	EET CAL 4
Organotin Prep	Extraction (Organotins)	None	EET CAL 4

Protocol References:

Lab SOP = Laboratory Standard Operating Procedure

None = None

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: Enthalpy Analytical LLC
Project/Site: 484619

Job ID: 570-137785-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-137785-1	OF-1	Solid	05/04/23 16:00	05/09/23 17:00

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
Eurofins Southwest
2841 Dow Avenue
Suite 100
Tustin, CA 92780
ATTN: PROJECT # 57000393
PO #: Required, to be sent via email

Enthalpy Order: EO-484619
PM: Patty Mata
Email: patty.mata@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: RL
EDDs: .DBF erpimsenhanced

570-137785 Chain of Custody

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
OF-1	04-MAY-2023 16:00	484619-017	1	Soil	Organic Tin, full list	TBT, DBT, MBT

Notes:	Relinquished By:	Received By:
	[signature]	[signature] EC
	Date: 5/9/23 17:00	Date: 5-9-23 17:00
	Date:	Date:
	Date:	Date:

0.2 / 0.4 SCG

Login Sample Receipt Checklist

Client: Enthalpy Analytical LLC

Job Number: 570-137785-1

Login Number: 137785
List Number: 1
Creator: Vitente, Precy

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 484707
Report Level: II
Report Date: 05/30/2023

Analytical Report *prepared for:*

Jake Lippman
Kleinfelder
550 West C Street, Suite 1200
San Diego, CA 92101

Project: DRISCOLLS WHARF - Driscoll's Wharf, 20210261.011A

Authorized for release by:

Patty Mata, Project Manager
patty.mata@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Jake Lippman
Kleinfelder
550 West C Street, Suite 1200
San Diego, CA 92101

Lab Job #:	484707
Project No:	DRISCOLLS WHARF
Location:	Driscoll's Wharf, 20210261.011A
Date Received:	05/08/23

Sample ID	Lab ID	Collected	Matrix
PIER8-050523	484707-001	05/05/23 09:20	Soil
PIER7-050523	484707-002	05/05/23 09:50	Soil
PIER6-050523	484707-003	05/05/23 10:55	Soil
PIER5-050523	484707-004	05/05/23 11:10	Soil
PIER4-050523	484707-005	05/05/23 11:30	Soil

Case Narrative

Kleinfelder		Lab Job Number:	484707
550 West C Street, Suite 1200		Project No:	DRISCOLLS WHARF
San Diego, CA 92101		Location:	Driscoll's Wharf, 20210261.011A
Jake Lippman		Date Received:	05/08/23

This data package contains sample and QC results for five soil samples, requested for the above referenced project on 05/08/23. The samples were received cold and intact.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):

- High response was observed for benzo(b)fluoranthene in the CCV analyzed 05/11/23 10:04; affected data was qualified with "b". Associated samples include lab numbers 484707-001, 484707-002, 484707-005, and QC samples BLANK QC1064699, LCS QC1064700, MS QC1064701, and MSD QC1064702.
- No other analytical problems were encountered.

PCBs (EPA 8082):

- Lab numbers 484707-001, 484707-002, 484707-003, 484707-004 and 484707-005 were diluted due to the color of the sample extracts. Extract color and/or viscosity are used as indicators of possible matrix interference. Elevated reporting limits were due to the necessary dilution.
- No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):

- Low recoveries were observed for antimony in the MS/MSD of PIER8-050523 (lab # 484707-001); the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

Organic Tin (Organotin):

Eurofins Southwest in Tustin, CA performed the analysis (see sublab report section for certifications). Please see the Eurofins Southwest case narrative.

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Chain of Custody Record

Lab No: 484707

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT	

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp:

(lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Kleinfelder	Name:	Driscoll's Wharf
Report To:	Jake Lippman	Number:	20210261.011A
Email:	jlippman@kleinfelder.com	P.O. #:	Same
Address:	770 First Avenue, Suite 400	Address:	------------
	San Diego, CA 92101		
Phone:	619-348-8415	Global ID:	--------------
Fax:		Sampled By:	J. Williams, C. Noland

Analysis Request / **Test Instructions / Comments**

0.3/0.5

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PAHs - 8270	Title 22 Metals - 6010B/7471A	Organotins (TBT, DBT, MBT) EC SOP-M422	PCBs - 8082A						
1	PIER8-050523	05/05/23	0920	SD	2 - 8OZ/3 - 4OZ	NONE	X	X	X	X						
2	PIER7-050523	05/05/23	0950	SD	2 - 8OZ/3 - 4OZ	NONE	X	X	X	X						
3	PIER6-050523	05/05/23	1055	SD	2 - 8OZ/3 - 4OZ	NONE	X	X	X	X						
4	PIER5-050523	05/05/23	1110	SD	2 - 8OZ/3 - 4OZ	NONE	X	X	X	X						
5	PIER4-050523	05/05/23	1130	D	2 - 8OZ/3 - 4OZ	NONE	X	X	X	X						
6																
7																
8																
9																
10																

CA 5/8/23

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	[signature]	Chris Noland	Kleinfelder / Geologist	5/8/23 1000
[1] Received By:	[signature]	MICHAEL TANWANGCO	EA - SD	5/8/23 10:00
[2] Relinquished By:	[signature]	MICHAEL TANWANGCO	EA-SD	05.08.23 1300
[2] Received By:	[signature]	Alex Cota	EA SD	05/08/23 1300
[3] Relinquished By:	[signature]	Alex Cota	EA OC	05/08/23 1?:?0
RCE	[signature]	Amaleota Smallcous	EA	5/8/23 [illegible]

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Kleinfelder   Project: Driscoll's Wharf

Date Received: 5/8/23   Sampler's Name Present: ☒ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2)   Sample Temp (°C) (No Cooler): ______

Sample Temp (°C), One from each cooler: #1: 0.5 #2: ______ #3: ______ #4: ______

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: ______

Section 3

Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other ______

Cooler Temp (°C): #1: 0.3 #2: ______ #3: ______ #4: ______

Section 4	YES	NO	N/A
Was a COC received?	X		
Are sample IDs present?	X		
Are sampling dates & times present?	X		
Is a relinquished signature present?	X		
Are the tests required clearly indicated on the COC?	X		
Are custody seals present?		X	
If custody seals are present, were they intact?			X
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			X
Did all samples arrive intact? If no, indicate in Section 4 below.	X		
Did all bottle labels agree with COC? (ID, dates and times)	X		
Were the samples collected in the correct containers for the required tests?	X		
Are the containers labeled with the correct preservatives?			X
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			X
Was a sufficient amount of sample submitted for the requested tests?	X		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: ______ Date/Time ______

☐ Email (email sent to/on): ______ / ______

Project Manager's response:

Completed By: [signature]   Date: 5/8/23

ENTHALPY ANALYTICAL

Analysis Results for 484707

Jake Lippman	Lab Job #: 484707
Kleinfelder	Project No: DRISCOLLS WHARF
550 West C Street, Suite 1200	Location: Driscoll's Wharf, 20210261.011A
San Diego, CA 92101	Date Received: 05/08/23

Sample ID: PIER8-050523 **Lab ID: 484707-001** **Collected: 05/05/23 09:20**
Matrix: Soil

484707-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.95	313516	05/09/23	05/11/23	SBW
Arsenic	**2.6**		mg/Kg	0.95	0.95	313516	05/09/23	05/11/23	SBW
Barium	**22**		mg/Kg	0.95	0.95	313516	05/09/23	05/11/23	SBW
Beryllium	ND		mg/Kg	0.48	0.95	313516	05/09/23	05/11/23	SBW
Cadmium	ND		mg/Kg	0.48	0.95	313516	05/09/23	05/11/23	SBW
Chromium	**11**		mg/Kg	0.95	0.95	313516	05/09/23	05/11/23	SBW
Cobalt	**1.7**		mg/Kg	0.48	0.95	313516	05/09/23	05/11/23	SBW
Copper	**61**		mg/Kg	0.95	0.95	313516	05/09/23	05/11/23	SBW
Lead	**15**		mg/Kg	0.95	0.95	313516	05/09/23	05/11/23	SBW
Molybdenum	ND		mg/Kg	0.95	0.95	313516	05/09/23	05/11/23	SBW
Nickel	**3.1**		mg/Kg	0.95	0.95	313516	05/09/23	05/11/23	SBW
Selenium	ND		mg/Kg	2.9	0.95	313516	05/09/23	05/11/23	SBW
Silver	ND		mg/Kg	0.48	0.95	313516	05/09/23	05/11/23	SBW
Thallium	ND		mg/Kg	2.9	0.95	313516	05/09/23	05/11/23	SBW
Vanadium	**16**		mg/Kg	0.95	0.95	313516	05/09/23	05/11/23	SBW
Zinc	**67**		mg/Kg	4.8	0.95	313516	05/09/23	05/11/23	SBW
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	**0.26**		mg/Kg	0.16	1.1	313607	05/10/23	05/11/23	KAM
Method: EPA 8082									
Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	250	5	313610	05/10/23	05/10/23	MES
Aroclor-1221	ND		ug/Kg	250	5	313610	05/10/23	05/10/23	MES
Aroclor-1232	ND		ug/Kg	250	5	313610	05/10/23	05/10/23	MES
Aroclor-1242	ND		ug/Kg	250	5	313610	05/10/23	05/10/23	MES
Aroclor-1248	ND		ug/Kg	250	5	313610	05/10/23	05/10/23	MES
Aroclor-1254	ND		ug/Kg	250	5	313610	05/10/23	05/10/23	MES
Aroclor-1260	ND		ug/Kg	250	5	313610	05/10/23	05/10/23	MES
Aroclor-1262	ND		ug/Kg	250	5	313610	05/10/23	05/10/23	MES
Aroclor-1268	ND		ug/Kg	250	5	313610	05/10/23	05/10/23	MES
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	61%		%REC	19-121	5	313610	05/10/23	05/10/23	MES
Method: EPA 8270C-SIM									
Prep Method: EPA 3546									
1-Methylnaphthalene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484707

484707-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
2-Methylnaphthalene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Naphthalene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Acenaphthylene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Acenaphthene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Fluorene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Phenanthrene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Anthracene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Fluoranthene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Pyrene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Benzo(a)anthracene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Chrysene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Benzo(b)fluoranthene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Benzo(k)fluoranthene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Benzo(a)pyrene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Dibenz(a,h)anthracene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Benzo(g,h,i)perylene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Surrogates				**Limits**					
Nitrobenzene-d5	65%		%REC	27-125	1	313627	05/10/23	05/11/23	VTN
2-Fluorobiphenyl	51%		%REC	30-120	1	313627	05/10/23	05/11/23	VTN
Terphenyl-d14	54%		%REC	33-155	1	313627	05/10/23	05/11/23	VTN

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484707

Sample ID: PIER7-050523	Lab ID: 484707-002	Collected: 05/05/23 09:50
	Matrix: Soil	

484707-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.95	313516	05/09/23	05/11/23	SBW
Arsenic	**4.4**		mg/Kg	0.95	0.95	313516	05/09/23	05/11/23	SBW
Barium	**42**		mg/Kg	0.95	0.95	313516	05/09/23	05/11/23	SBW
Beryllium	ND		mg/Kg	0.48	0.95	313516	05/09/23	05/11/23	SBW
Cadmium	ND		mg/Kg	0.48	0.95	313516	05/09/23	05/11/23	SBW
Chromium	**25**		mg/Kg	0.95	0.95	313516	05/09/23	05/11/23	SBW
Cobalt	**3.3**		mg/Kg	0.48	0.95	313516	05/09/23	05/11/23	SBW
Copper	**110**		mg/Kg	0.95	0.95	313516	05/09/23	05/11/23	SBW
Lead	**25**		mg/Kg	0.95	0.95	313516	05/09/23	05/11/23	SBW
Molybdenum	**1.2**		mg/Kg	0.95	0.95	313516	05/09/23	05/11/23	SBW
Nickel	**7.0**		mg/Kg	0.95	0.95	313516	05/09/23	05/11/23	SBW
Selenium	ND		mg/Kg	2.9	0.95	313516	05/09/23	05/11/23	SBW
Silver	ND		mg/Kg	0.48	0.95	313516	05/09/23	05/11/23	SBW
Thallium	ND		mg/Kg	2.9	0.95	313516	05/09/23	05/11/23	SBW
Vanadium	**32**		mg/Kg	0.95	0.95	313516	05/09/23	05/11/23	SBW
Zinc	**140**		mg/Kg	4.8	0.95	313516	05/09/23	05/11/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	**0.44**		mg/Kg	0.15	1.1	313607	05/10/23	05/11/23	KAM
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	250	5.1	313610	05/10/23	05/10/23	MES
Aroclor-1221	ND		ug/Kg	250	5.1	313610	05/10/23	05/10/23	MES
Aroclor-1232	ND		ug/Kg	250	5.1	313610	05/10/23	05/10/23	MES
Aroclor-1242	ND		ug/Kg	250	5.1	313610	05/10/23	05/10/23	MES
Aroclor-1248	ND		ug/Kg	250	5.1	313610	05/10/23	05/10/23	MES
Aroclor-1254	ND		ug/Kg	250	5.1	313610	05/10/23	05/10/23	MES
Aroclor-1260	ND		ug/Kg	250	5.1	313610	05/10/23	05/10/23	MES
Aroclor-1262	ND		ug/Kg	250	5.1	313610	05/10/23	05/10/23	MES
Aroclor-1268	ND		ug/Kg	250	5.1	313610	05/10/23	05/10/23	MES
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	76%		%REC	19-121	5.1	313610	05/10/23	05/10/23	MES
Method: EPA 8270C-SIM Prep Method: EPA 3546									
1-Methylnaphthalene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
2-Methylnaphthalene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Naphthalene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Acenaphthylene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Acenaphthene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Fluorene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484707

484707-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Phenanthrene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Anthracene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Fluoranthene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Pyrene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Benzo(a)anthracene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Chrysene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Benzo(b)fluoranthene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Benzo(k)fluoranthene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Benzo(a)pyrene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Dibenz(a,h)anthracene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Benzo(g,h,i)perylene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Surrogates				**Limits**					
Nitrobenzene-d5	83%		%REC	27-125	1	313627	05/10/23	05/11/23	VTN
2-Fluorobiphenyl	66%		%REC	30-120	1	313627	05/10/23	05/11/23	VTN
Terphenyl-d14	76%		%REC	33-155	1	313627	05/10/23	05/11/23	VTN

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484707

Sample ID: PIER6-050523	Lab ID: 484707-003	Collected: 05/05/23 10:55
	Matrix: Soil	

484707-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.98	313516	05/09/23	05/11/23	SBW
Arsenic	**4.8**		mg/Kg	0.98	0.98	313516	05/09/23	05/11/23	SBW
Barium	**46**		mg/Kg	0.98	0.98	313516	05/09/23	05/11/23	SBW
Beryllium	ND		mg/Kg	0.49	0.98	313516	05/09/23	05/11/23	SBW
Cadmium	ND		mg/Kg	0.49	0.98	313516	05/09/23	05/11/23	SBW
Chromium	**32**		mg/Kg	0.98	0.98	313516	05/09/23	05/11/23	SBW
Cobalt	**3.9**		mg/Kg	0.49	0.98	313516	05/09/23	05/11/23	SBW
Copper	**160**		mg/Kg	0.98	0.98	313516	05/09/23	05/11/23	SBW
Lead	**36**		mg/Kg	0.98	0.98	313516	05/09/23	05/11/23	SBW
Molybdenum	**1.3**		mg/Kg	0.98	0.98	313516	05/09/23	05/11/23	SBW
Nickel	**8.1**		mg/Kg	0.98	0.98	313516	05/09/23	05/11/23	SBW
Selenium	ND		mg/Kg	2.9	0.98	313516	05/09/23	05/11/23	SBW
Silver	ND		mg/Kg	0.49	0.98	313516	05/09/23	05/11/23	SBW
Thallium	ND		mg/Kg	2.9	0.98	313516	05/09/23	05/11/23	SBW
Vanadium	**37**		mg/Kg	0.98	0.98	313516	05/09/23	05/11/23	SBW
Zinc	**160**		mg/Kg	4.9	0.98	313516	05/09/23	05/11/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	**0.63**		mg/Kg	0.16	1.1	313607	05/10/23	05/11/23	KAM
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	250	4.9	313610	05/10/23	05/10/23	MES
Aroclor-1221	ND		ug/Kg	250	4.9	313610	05/10/23	05/10/23	MES
Aroclor-1232	ND		ug/Kg	250	4.9	313610	05/10/23	05/10/23	MES
Aroclor-1242	ND		ug/Kg	250	4.9	313610	05/10/23	05/10/23	MES
Aroclor-1248	ND		ug/Kg	250	4.9	313610	05/10/23	05/10/23	MES
Aroclor-1254	ND		ug/Kg	250	4.9	313610	05/10/23	05/10/23	MES
Aroclor-1260	ND		ug/Kg	250	4.9	313610	05/10/23	05/10/23	MES
Aroclor-1262	ND		ug/Kg	250	4.9	313610	05/10/23	05/10/23	MES
Aroclor-1268	ND		ug/Kg	250	4.9	313610	05/10/23	05/10/23	MES
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	78%		%REC	19-121	4.9	313610	05/10/23	05/10/23	MES
Method: EPA 8270C-SIM Prep Method: EPA 3546									
1-Methylnaphthalene	ND		ug/Kg	9.9	0.99	313627	05/10/23	05/11/23	VTN
2-Methylnaphthalene	ND		ug/Kg	9.9	0.99	313627	05/10/23	05/11/23	VTN
Naphthalene	ND		ug/Kg	9.9	0.99	313627	05/10/23	05/11/23	VTN
Acenaphthylene	ND		ug/Kg	9.9	0.99	313627	05/10/23	05/11/23	VTN
Acenaphthene	ND		ug/Kg	9.9	0.99	313627	05/10/23	05/11/23	VTN
Fluorene	ND		ug/Kg	9.9	0.99	313627	05/10/23	05/11/23	VTN

Results for any subcontracted analyses are not included in this section.

Analysis Results for 484707

484707-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Phenanthrene	ND		ug/Kg	9.9	0.99	313627	05/10/23	05/11/23	VTN
Anthracene	ND		ug/Kg	9.9	0.99	313627	05/10/23	05/11/23	VTN
Fluoranthene	ND		ug/Kg	9.9	0.99	313627	05/10/23	05/11/23	VTN
Pyrene	ND		ug/Kg	9.9	0.99	313627	05/10/23	05/11/23	VTN
Benzo(a)anthracene	ND		ug/Kg	9.9	0.99	313627	05/10/23	05/11/23	VTN
Chrysene	ND		ug/Kg	9.9	0.99	313627	05/10/23	05/11/23	VTN
Benzo(b)fluoranthene	ND		ug/Kg	9.9	0.99	313627	05/10/23	05/11/23	VTN
Benzo(k)fluoranthene	ND		ug/Kg	9.9	0.99	313627	05/10/23	05/11/23	VTN
Benzo(a)pyrene	ND		ug/Kg	9.9	0.99	313627	05/10/23	05/11/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	9.9	0.99	313627	05/10/23	05/11/23	VTN
Dibenz(a,h)anthracene	ND		ug/Kg	9.9	0.99	313627	05/10/23	05/11/23	VTN
Benzo(g,h,i)perylene	ND		ug/Kg	9.9	0.99	313627	05/10/23	05/11/23	VTN
Surrogates				**Limits**					
Nitrobenzene-d5	69%		%REC	27-125	0.99	313627	05/10/23	05/11/23	VTN
2-Fluorobiphenyl	67%		%REC	30-120	0.99	313627	05/10/23	05/11/23	VTN
Terphenyl-d14	73%		%REC	33-155	0.99	313627	05/10/23	05/11/23	VTN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484707

Sample ID:	**PIER5-050523**	**Lab ID:**	**484707-004**	**Collected:**	**05/05/23 11:10**
		Matrix:	**Soil**		

484707-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.96	313516	05/09/23	05/11/23	SBW
Arsenic	**4.7**		mg/Kg	0.96	0.96	313516	05/09/23	05/11/23	SBW
Barium	**46**		mg/Kg	0.96	0.96	313516	05/09/23	05/11/23	SBW
Beryllium	ND		mg/Kg	0.48	0.96	313516	05/09/23	05/11/23	SBW
Cadmium	ND		mg/Kg	0.48	0.96	313516	05/09/23	05/11/23	SBW
Chromium	**30**		mg/Kg	0.96	0.96	313516	05/09/23	05/11/23	SBW
Cobalt	**3.5**		mg/Kg	0.48	0.96	313516	05/09/23	05/11/23	SBW
Copper	**150**		mg/Kg	0.96	0.96	313516	05/09/23	05/11/23	SBW
Lead	**34**		mg/Kg	0.96	0.96	313516	05/09/23	05/11/23	SBW
Molybdenum	**1.6**		mg/Kg	0.96	0.96	313516	05/09/23	05/11/23	SBW
Nickel	**8.1**		mg/Kg	0.96	0.96	313516	05/09/23	05/11/23	SBW
Selenium	ND		mg/Kg	2.9	0.96	313516	05/09/23	05/11/23	SBW
Silver	ND		mg/Kg	0.48	0.96	313516	05/09/23	05/11/23	SBW
Thallium	ND		mg/Kg	2.9	0.96	313516	05/09/23	05/11/23	SBW
Vanadium	**33**		mg/Kg	0.96	0.96	313516	05/09/23	05/11/23	SBW
Zinc	**150**		mg/Kg	4.8	0.96	313516	05/09/23	05/11/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	**0.70**		mg/Kg	0.14	1	313607	05/10/23	05/11/23	KAM
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	250	5	313610	05/10/23	05/10/23	MES
Aroclor-1221	ND		ug/Kg	250	5	313610	05/10/23	05/10/23	MES
Aroclor-1232	ND		ug/Kg	250	5	313610	05/10/23	05/10/23	MES
Aroclor-1242	ND		ug/Kg	250	5	313610	05/10/23	05/10/23	MES
Aroclor-1248	ND		ug/Kg	250	5	313610	05/10/23	05/10/23	MES
Aroclor-1254	ND		ug/Kg	250	5	313610	05/10/23	05/10/23	MES
Aroclor-1260	ND		ug/Kg	250	5	313610	05/10/23	05/10/23	MES
Aroclor-1262	ND		ug/Kg	250	5	313610	05/10/23	05/10/23	MES
Aroclor-1268	ND		ug/Kg	250	5	313610	05/10/23	05/10/23	MES
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	54%		%REC	19-121	5	313610	05/10/23	05/10/23	MES
Method: EPA 8270C-SIM Prep Method: EPA 3546									
1-Methylnaphthalene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
2-Methylnaphthalene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Naphthalene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Acenaphthylene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Acenaphthene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Fluorene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484707

484707-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Phenanthrene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Anthracene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Fluoranthene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Pyrene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Benzo(a)anthracene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Chrysene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Benzo(b)fluoranthene	**11**		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Benzo(k)fluoranthene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Benzo(a)pyrene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Dibenz(a,h)anthracene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Benzo(g,h,i)perylene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Surrogates				**Limits**					
Nitrobenzene-d5	74%		%REC	27-125	1	313627	05/10/23	05/11/23	VTN
2-Fluorobiphenyl	75%		%REC	30-120	1	313627	05/10/23	05/11/23	VTN
Terphenyl-d14	79%		%REC	33-155	1	313627	05/10/23	05/11/23	VTN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484707

Sample ID: PIER4-050523	Lab ID: 484707-005	Collected: 05/05/23 11:30
	Matrix: Soil	

484707-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.98	313516	05/09/23	05/11/23	SBW
Arsenic	**3.9**		mg/Kg	0.98	0.98	313516	05/09/23	05/11/23	SBW
Barium	**35**		mg/Kg	0.98	0.98	313516	05/09/23	05/11/23	SBW
Beryllium	ND		mg/Kg	0.49	0.98	313516	05/09/23	05/11/23	SBW
Cadmium	ND		mg/Kg	0.49	0.98	313516	05/09/23	05/11/23	SBW
Chromium	**57**		mg/Kg	0.98	0.98	313516	05/09/23	05/11/23	SBW
Cobalt	**3.5**		mg/Kg	0.49	0.98	313516	05/09/23	05/11/23	SBW
Copper	**170**		mg/Kg	0.98	0.98	313516	05/09/23	05/11/23	SBW
Lead	**35**		mg/Kg	0.98	0.98	313516	05/09/23	05/11/23	SBW
Molybdenum	**3.9**		mg/Kg	0.98	0.98	313516	05/09/23	05/11/23	SBW
Nickel	**25**		mg/Kg	0.98	0.98	313516	05/09/23	05/11/23	SBW
Selenium	ND		mg/Kg	2.9	0.98	313516	05/09/23	05/11/23	SBW
Silver	ND		mg/Kg	0.49	0.98	313516	05/09/23	05/11/23	SBW
Thallium	ND		mg/Kg	2.9	0.98	313516	05/09/23	05/11/23	SBW
Vanadium	**28**		mg/Kg	0.98	0.98	313516	05/09/23	05/11/23	SBW
Zinc	**170**		mg/Kg	4.9	0.98	313516	05/09/23	05/11/23	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	**0.67**		mg/Kg	0.15	1.1	313607	05/10/23	05/11/23	KAM
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	250	4.9	313610	05/10/23	05/10/23	MES
Aroclor-1221	ND		ug/Kg	250	4.9	313610	05/10/23	05/10/23	MES
Aroclor-1232	ND		ug/Kg	250	4.9	313610	05/10/23	05/10/23	MES
Aroclor-1242	ND		ug/Kg	250	4.9	313610	05/10/23	05/10/23	MES
Aroclor-1248	ND		ug/Kg	250	4.9	313610	05/10/23	05/10/23	MES
Aroclor-1254	ND		ug/Kg	250	4.9	313610	05/10/23	05/10/23	MES
Aroclor-1260	ND		ug/Kg	250	4.9	313610	05/10/23	05/10/23	MES
Aroclor-1262	ND		ug/Kg	250	4.9	313610	05/10/23	05/10/23	MES
Aroclor-1268	ND		ug/Kg	250	4.9	313610	05/10/23	05/10/23	MES
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	71%		%REC	19-121	4.9	313610	05/10/23	05/10/23	MES
Method: EPA 8270C-SIM Prep Method: EPA 3546									
1-Methylnaphthalene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
2-Methylnaphthalene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Naphthalene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Acenaphthylene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Acenaphthene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Fluorene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484707

484707-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Phenanthrene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Anthracene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Fluoranthene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Pyrene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Benzo(a)anthracene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Chrysene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Benzo(b)fluoranthene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Benzo(k)fluoranthene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Benzo(a)pyrene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Dibenz(a,h)anthracene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Benzo(g,h,i)perylene	ND		ug/Kg	10	1	313627	05/10/23	05/11/23	VTN
Surrogates				**Limits**					
Nitrobenzene-d5	91%		%REC	27-125	1	313627	05/10/23	05/11/23	VTN
2-Fluorobiphenyl	70%		%REC	30-120	1	313627	05/10/23	05/11/23	VTN
Terphenyl-d14	74%		%REC	33-155	1	313627	05/10/23	05/11/23	VTN

ND Not Detected

Results for any subcontracted analyses are not included in this section.

Batch QC

Type: Blank	Lab ID: QC1064356	Batch: 313516
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1064356 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	05/09/23	05/11/23
Arsenic	ND		mg/Kg	1.0	05/09/23	05/11/23
Barium	ND		mg/Kg	1.0	05/09/23	05/11/23
Beryllium	ND		mg/Kg	0.50	05/09/23	05/11/23
Cadmium	ND		mg/Kg	0.50	05/09/23	05/11/23
Chromium	ND		mg/Kg	1.0	05/09/23	05/11/23
Cobalt	ND		mg/Kg	0.50	05/09/23	05/11/23
Copper	ND		mg/Kg	1.0	05/09/23	05/11/23
Lead	ND		mg/Kg	1.0	05/09/23	05/11/23
Molybdenum	ND		mg/Kg	1.0	05/09/23	05/11/23
Nickel	ND		mg/Kg	1.0	05/09/23	05/11/23
Selenium	ND		mg/Kg	3.0	05/09/23	05/11/23
Silver	ND		mg/Kg	0.50	05/09/23	05/11/23
Thallium	ND		mg/Kg	3.0	05/09/23	05/11/23
Vanadium	ND		mg/Kg	1.0	05/09/23	05/11/23
Zinc	ND		mg/Kg	5.0	05/09/23	05/11/23

Type: Lab Control Sample	Lab ID: QC1064357	Batch: 313516
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC1064357 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	106.6	100.0	mg/Kg	107%		80-120
Arsenic	100.7	100.0	mg/Kg	101%		80-120
Barium	111.1	100.0	mg/Kg	111%		80-120
Beryllium	104.9	100.0	mg/Kg	105%		80-120
Cadmium	109.6	100.0	mg/Kg	110%		80-120
Chromium	106.2	100.0	mg/Kg	106%		80-120
Cobalt	110.3	100.0	mg/Kg	110%		80-120
Copper	103.2	100.0	mg/Kg	103%		80-120
Lead	108.4	100.0	mg/Kg	108%		80-120
Molybdenum	104.6	100.0	mg/Kg	105%		80-120
Nickel	109.1	100.0	mg/Kg	109%		80-120
Selenium	98.74	100.0	mg/Kg	99%		80-120
Silver	51.41	50.00	mg/Kg	103%		80-120
Thallium	103.7	100.0	mg/Kg	104%		80-120
Vanadium	106.6	100.0	mg/Kg	107%		80-120
Zinc	113.1	100.0	mg/Kg	113%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1064358	Batch:	313516
Matrix (Source ID):	Soil (484707-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1064358 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	57.43	ND	98.04	mg/Kg	59%	*	75-125	0.98
Arsenic	96.54	2.558	98.04	mg/Kg	96%		75-125	0.98
Barium	123.0	21.67	98.04	mg/Kg	103%		75-125	0.98
Beryllium	97.80	0.07929	98.04	mg/Kg	100%		75-125	0.98
Cadmium	99.49	0.1177	98.04	mg/Kg	101%		75-125	0.98
Chromium	108.2	10.84	98.04	mg/Kg	99%		75-125	0.98
Cobalt	101.7	1.683	98.04	mg/Kg	102%		75-125	0.98
Copper	143.8	60.94	98.04	mg/Kg	85%		75-125	0.98
Lead	110.7	14.76	98.04	mg/Kg	98%		75-125	0.98
Molybdenum	96.27	0.7567	98.04	mg/Kg	97%		75-125	0.98
Nickel	102.0	3.143	98.04	mg/Kg	101%		75-125	0.98
Selenium	92.30	0.5223	98.04	mg/Kg	94%		75-125	0.98
Silver	47.85	ND	49.02	mg/Kg	98%		75-125	0.98
Thallium	93.96	ND	98.04	mg/Kg	96%		75-125	0.98
Vanadium	116.8	16.49	98.04	mg/Kg	102%		75-125	0.98
Zinc	163.1	66.62	98.04	mg/Kg	98%		75-125	0.98

Type:	Matrix Spike Duplicate	Lab ID:	QC1064359	Batch:	313516
Matrix (Source ID):	Soil (484707-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1064359 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	61.30	ND	98.04	mg/Kg	63%	*	75-125	7	41	0.98
Arsenic	101.8	2.558	98.04	mg/Kg	101%		75-125	5	35	0.98
Barium	127.2	21.67	98.04	mg/Kg	108%		75-125	3	20	0.98
Beryllium	102.4	0.07929	98.04	mg/Kg	104%		75-125	5	20	0.98
Cadmium	104.1	0.1177	98.04	mg/Kg	106%		75-125	5	20	0.98
Chromium	114.5	10.84	98.04	mg/Kg	106%		75-125	6	20	0.98
Cobalt	106.3	1.683	98.04	mg/Kg	107%		75-125	4	20	0.98
Copper	145.4	60.94	98.04	mg/Kg	86%		75-125	1	20	0.98
Lead	119.1	14.76	98.04	mg/Kg	106%		75-125	7	20	0.98
Molybdenum	101.6	0.7567	98.04	mg/Kg	103%		75-125	5	20	0.98
Nickel	106.7	3.143	98.04	mg/Kg	106%		75-125	4	20	0.98
Selenium	97.01	0.5223	98.04	mg/Kg	98%		75-125	5	20	0.98
Silver	51.62	ND	49.02	mg/Kg	105%		75-125	8	20	0.98
Thallium	98.76	ND	98.04	mg/Kg	101%		75-125	5	20	0.98
Vanadium	121.2	16.49	98.04	mg/Kg	107%		75-125	4	20	0.98
Zinc	163.4	66.62	98.04	mg/Kg	99%		75-125	0	20	0.98

Batch QC

Type: Blank	Lab ID: QC1064613	Batch: 313607
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1064613 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	05/10/23	05/11/23

Type: Lab Control Sample	Lab ID: QC1064614	Batch: 313607
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1064614 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8235	0.8333	mg/Kg	99%		80-120

Type: Matrix Spike	Lab ID: QC1064615	Batch: 313607
Matrix (Source ID): Soil (484707-001)	Method: EPA 7471A	Prep Method: METHOD

QC1064615 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	1.088	0.2620	0.9615	mg/Kg	86%		75-125	1.2

Type: Matrix Spike Duplicate	Lab ID: QC1064616	Batch: 313607
Matrix (Source ID): Soil (484707-001)	Method: EPA 7471A	Prep Method: METHOD

QC1064616 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	1.005	0.2620	0.9091	mg/Kg	82%		75-125	4	20	1.1

Type: Blank	Lab ID: QC1064625	Batch: 313610
Matrix: Soil	Method: EPA 8082	Prep Method: EPA 3546

QC1064625 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	50	05/10/23	05/10/23
Aroclor-1221	ND		ug/Kg	50	05/10/23	05/10/23
Aroclor-1232	ND		ug/Kg	50	05/10/23	05/10/23
Aroclor-1242	ND		ug/Kg	50	05/10/23	05/10/23
Aroclor-1248	ND		ug/Kg	50	05/10/23	05/10/23
Aroclor-1254	ND		ug/Kg	50	05/10/23	05/10/23
Aroclor-1260	ND		ug/Kg	50	05/10/23	05/10/23
Aroclor-1262	ND		ug/Kg	50	05/10/23	05/10/23
Aroclor-1268	ND		ug/Kg	50	05/10/23	05/10/23
Surrogates				**Limits**		
Decachlorobiphenyl (PCB)	67%		%REC	19-121	05/10/23	05/10/23

Batch QC

Type:	Lab Control Sample	Lab ID:	QC1064629	Batch:	313610
Matrix:	Soil	Method:	EPA 8082	Prep Method:	EPA 3546

QC1064629 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	395.8	494.6	ug/Kg	80%		14-150
Aroclor-1260	386.7	494.6	ug/Kg	78%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	33.51	49.46	ug/Kg	68%		19-121

Type:	Matrix Spike	Lab ID:	QC1064630	Batch:	313610
Matrix (Source ID):	Soil (484755-001)	Method:	EPA 8082	Prep Method:	EPA 3546

QC1064630 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	369.0	ND	498.0	ug/Kg	74%		42-127	1
Aroclor-1260	383.7	ND	498.0	ug/Kg	77%		38-130	1
Surrogates								
Decachlorobiphenyl (PCB)	40.71		49.80	ug/Kg	82%		19-121	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1064631	Batch:	313610
Matrix (Source ID):	Soil (484755-001)	Method:	EPA 8082	Prep Method:	EPA 3546

QC1064631 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	477.4	ND	501.0	ug/Kg	95%		42-127	25	30	1
Aroclor-1260	506.1	ND	501.0	ug/Kg	101%		38-130	27	30	1
Surrogates										
Decachlorobiphenyl (PCB)	53.19		50.10	ug/Kg	106%		19-121			1

Batch QC

Type:	Blank	Lab ID:	QC1064699	Batch:	313627
Matrix:	Soil	Method:	EPA 8270C-SIM	Prep Method:	EPA 3546

QC1064699 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/Kg	10	05/10/23	05/11/23
2-Methylnaphthalene	ND		ug/Kg	10	05/10/23	05/11/23
Naphthalene	ND		ug/Kg	10	05/10/23	05/11/23
Acenaphthylene	ND		ug/Kg	10	05/10/23	05/11/23
Acenaphthene	ND		ug/Kg	10	05/10/23	05/11/23
Fluorene	ND		ug/Kg	10	05/10/23	05/11/23
Phenanthrene	ND		ug/Kg	10	05/10/23	05/11/23
Anthracene	ND		ug/Kg	10	05/10/23	05/11/23
Fluoranthene	ND		ug/Kg	10	05/10/23	05/11/23
Pyrene	ND		ug/Kg	10	05/10/23	05/11/23
Benzo(a)anthracene	ND		ug/Kg	10	05/10/23	05/11/23
Chrysene	ND		ug/Kg	10	05/10/23	05/11/23
Benzo(b)fluoranthene	ND		ug/Kg	10	05/10/23	05/11/23
Benzo(k)fluoranthene	ND		ug/Kg	10	05/10/23	05/11/23
Benzo(a)pyrene	ND		ug/Kg	10	05/10/23	05/11/23
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	05/10/23	05/11/23
Dibenz(a,h)anthracene	ND		ug/Kg	10	05/10/23	05/11/23
Benzo(g,h,i)perylene	ND		ug/Kg	10	05/10/23	05/11/23
Surrogates				**Limits**		
Nitrobenzene-d5	79%		%REC	27-125	05/10/23	05/11/23
2-Fluorobiphenyl	60%		%REC	30-120	05/10/23	05/11/23
Terphenyl-d14	69%		%REC	33-155	05/10/23	05/11/23

Batch QC

Type:	Lab Control Sample	Lab ID:	QC1064700	Batch:	313627
Matrix:	Soil	Method:	EPA 8270C-SIM	Prep Method:	EPA 3546

QC1064700 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	107.2	199.5	ug/Kg	54%		28-130
2-Methylnaphthalene	129.2	199.5	ug/Kg	65%		33-130
Naphthalene	120.8	199.5	ug/Kg	61%		25-130
Acenaphthylene	111.3	199.5	ug/Kg	56%		28-130
Acenaphthene	124.3	199.5	ug/Kg	62%		32-130
Fluorene	118.8	199.5	ug/Kg	60%		35-130
Phenanthrene	126.5	199.5	ug/Kg	63%		35-132
Anthracene	116.4	199.5	ug/Kg	58%		34-136
Fluoranthene	117.2	199.5	ug/Kg	59%		34-139
Pyrene	119.4	199.5	ug/Kg	60%		35-134
Benzo(a)anthracene	124.5	199.5	ug/Kg	62%		30-132
Chrysene	102.8	199.5	ug/Kg	52%		29-130
Benzo(b)fluoranthene	139.4	199.5	ug/Kg	70%	b	32-137
Benzo(k)fluoranthene	106.3	199.5	ug/Kg	53%		32-130
Benzo(a)pyrene	124.2	199.5	ug/Kg	62%		10-138
Indeno(1,2,3-cd)pyrene	150.7	199.5	ug/Kg	76%		34-132
Dibenz(a,h)anthracene	140.3	199.5	ug/Kg	70%		32-130
Benzo(g,h,i)perylene	147.3	199.5	ug/Kg	74%		27-130
Surrogates						
Nitrobenzene-d5	145.8	199.5	ug/Kg	73%		27-125
2-Fluorobiphenyl	107.5	199.5	ug/Kg	54%		30-120
Terphenyl-d14	114.3	199.5	ug/Kg	57%		33-155

Batch QC

Type:	Matrix Spike	Lab ID:	QC1064701	Batch:	313627
Matrix (Source ID):	Soil (484755-001)	Method:	EPA 8270C-SIM	Prep Method:	EPA 3546

QC1064701 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1-Methylnaphthalene	121.0	ND	200.0	ug/Kg	61%		25-130	1
2-Methylnaphthalene	146.2	ND	200.0	ug/Kg	73%		32-133	1
Naphthalene	135.6	ND	200.0	ug/Kg	68%		33-130	1
Acenaphthylene	125.3	ND	200.0	ug/Kg	63%		14-157	1
Acenaphthene	138.1	ND	200.0	ug/Kg	69%		28-134	1
Fluorene	132.4	ND	200.0	ug/Kg	66%		27-140	1
Phenanthrene	139.8	ND	200.0	ug/Kg	70%		29-147	1
Anthracene	129.5	ND	200.0	ug/Kg	65%		24-156	1
Fluoranthene	129.7	ND	200.0	ug/Kg	65%		28-160	1
Pyrene	131.9	ND	200.0	ug/Kg	66%		26-153	1
Benzo(a)anthracene	137.3	ND	200.0	ug/Kg	69%		26-174	1
Chrysene	115.1	ND	200.0	ug/Kg	58%		40-139	1
Benzo(b)fluoranthene	149.4	ND	200.0	ug/Kg	75%	b	36-164	1
Benzo(k)fluoranthene	120.1	ND	200.0	ug/Kg	60%		36-161	1
Benzo(a)pyrene	133.6	ND	200.0	ug/Kg	67%		18-173	1
Indeno(1,2,3-cd)pyrene	163.5	ND	200.0	ug/Kg	82%		26-154	1
Dibenz(a,h)anthracene	149.5	ND	200.0	ug/Kg	75%		38-132	1
Benzo(g,h,i)perylene	157.2	ND	200.0	ug/Kg	79%		36-130	1
Surrogates								
Nitrobenzene-d5	151.2		200.0	ug/Kg	76%		27-125	1
2-Fluorobiphenyl	113.4		200.0	ug/Kg	57%		30-120	1
Terphenyl-d14	116.5		200.0	ug/Kg	58%		33-155	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1064702	Batch:	313627
Matrix (Source ID):	Soil (484755-001)	Method:	EPA 8270C-SIM	Prep Method:	EPA 3546

QC1064702 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1-Methylnaphthalene	122.9	ND	200.5	ug/Kg	61%		25-130	1	35	1
2-Methylnaphthalene	149.3	ND	200.5	ug/Kg	74%		32-133	2	35	1
Naphthalene	138.7	ND	200.5	ug/Kg	69%		33-130	2	35	1
Acenaphthylene	129.4	ND	200.5	ug/Kg	65%		14-157	3	35	1
Acenaphthene	143.1	ND	200.5	ug/Kg	71%		28-134	3	35	1
Fluorene	138.3	ND	200.5	ug/Kg	69%		27-140	4	35	1
Phenanthrene	147.6	ND	200.5	ug/Kg	74%		29-147	5	35	1
Anthracene	136.5	ND	200.5	ug/Kg	68%		24-156	5	35	1
Fluoranthene	137.2	ND	200.5	ug/Kg	68%		28-160	5	35	1
Pyrene	139.2	ND	200.5	ug/Kg	69%		26-153	5	35	1
Benzo(a)anthracene	147.0	ND	200.5	ug/Kg	73%		26-174	7	35	1
Chrysene	123.0	ND	200.5	ug/Kg	61%		40-139	6	35	1
Benzo(b)fluoranthene	158.9	ND	200.5	ug/Kg	79%	b	36-164	6	35	1
Benzo(k)fluoranthene	126.9	ND	200.5	ug/Kg	63%		36-161	5	35	1
Benzo(a)pyrene	143.9	ND	200.5	ug/Kg	72%		18-173	7	35	1
Indeno(1,2,3-cd)pyrene	169.6	ND	200.5	ug/Kg	85%		26-154	3	35	1
Dibenz(a,h)anthracene	158.0	ND	200.5	ug/Kg	79%		38-132	5	35	1
Benzo(g,h,i)perylene	161.7	ND	200.5	ug/Kg	81%		36-130	3	35	1
Surrogates										
Nitrobenzene-d5	156.4		200.5	ug/Kg	78%		27-125			1
2-Fluorobiphenyl	117.4		200.5	ug/Kg	59%		30-120			1
Terphenyl-d14	122.9		200.5	ug/Kg	61%		33-155			1

* Value is outside QC limits
ND Not Detected
b See narrative

Laboratory Job Number 484707

Subcontracted Products

Eurofins Southwest

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

ANALYTICAL REPORT

PREPARED FOR

Attn: Patty Mata
Enthalpy Analytical LLC
931 W. Barkley Ave
Orange, California 92868

Generated 5/24/2023 10:38:32 PM

JOB DESCRIPTION

484707

JOB NUMBER

570-137787-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

myEOL

Eurofins Calscience

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Calscience Project Manager.

Authorization

Generated
5/24/2023 10:38:32 PM

Authorized for release by
Xuan Dang, Project Manager I
Xuan.Dang@et.eurofinsus.com
(714)895-5494

Table of Contents

Definitions/Glossary

Client: Enthalpy Analytical LLC
Project/Site: 484707

Job ID: 570-137787-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 570-137787-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-137787-1

Receipt

The samples were received on 5/9/2023 5:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.4°C

GC/MS Semi VOA

Method Organotins_SIM: Surrogate recovery for the following samples were outside control limits: PIER8-050523 (570-137787-1) and PIER6-050523 (570-137787-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample ID: PIER8-050523

Lab Sample ID: 570-137787-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Tributyltin	4.4		3.0		ug/Kg	1		Organotins SIM	Total/NA

Client Sample ID: PIER7-050523

Lab Sample ID: 570-137787-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Dibutyltin	4.9		3.0		ug/Kg	1		Organotins SIM	Total/NA

Client Sample ID: PIER6-050523

Lab Sample ID: 570-137787-3

No Detections.

Client Sample ID: PIER5-050523

Lab Sample ID: 570-137787-4

No Detections.

Client Sample ID: PIER4-050523

Lab Sample ID: 570-137787-5

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Enthalpy Analytical LLC
Job ID: 570-137787-1
Project/Site: 484707

Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM)

Client Sample ID: PIER8-050523
Lab Sample ID: 570-137787-1
Date Collected: 05/05/23 09:20
Matrix: Solid
Date Received: 05/09/23 17:00

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Tributyltin	**4.4**		3.0	ug/Kg		05/11/23 10:59	05/15/23 15:04	1
Dibutyltin	ND		3.0	ug/Kg		05/11/23 10:59	05/15/23 15:04	1
Monobutyltin	ND		3.0	ug/Kg		05/11/23 10:59	05/15/23 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*13*	*S1-*	*39 - 150*	*05/11/23 10:59*	*05/15/23 15:04*	*1*

Client Sample ID: PIER7-050523
Lab Sample ID: 570-137787-2
Date Collected: 05/05/23 09:50
Matrix: Solid
Date Received: 05/09/23 17:00

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Tributyltin	ND		3.0	ug/Kg		05/11/23 10:59	05/12/23 16:12	1
Dibutyltin	**4.9**		3.0	ug/Kg		05/11/23 10:59	05/12/23 16:12	1
Monobutyltin	ND		3.0	ug/Kg		05/11/23 10:59	05/12/23 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*66*		*39 - 150*	*05/11/23 10:59*	*05/12/23 16:12*	*1*

Client Sample ID: PIER6-050523
Lab Sample ID: 570-137787-3
Date Collected: 05/05/23 10:55
Matrix: Solid
Date Received: 05/09/23 17:00

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Tributyltin	ND		3.0	ug/Kg		05/11/23 10:59	05/15/23 15:22	1
Dibutyltin	ND		3.0	ug/Kg		05/11/23 10:59	05/15/23 15:22	1
Monobutyltin	ND		3.0	ug/Kg		05/11/23 10:59	05/15/23 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*17*	*S1-*	*39 - 150*	*05/11/23 10:59*	*05/15/23 15:22*	*1*

Client Sample ID: PIER5-050523
Lab Sample ID: 570-137787-4
Date Collected: 05/05/23 11:10
Matrix: Solid
Date Received: 05/09/23 17:00

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Tributyltin	ND		3.0	ug/Kg		05/11/23 10:59	05/24/23 12:13	1
Dibutyltin	ND		3.0	ug/Kg		05/11/23 10:59	05/24/23 12:13	1
Monobutyltin	ND		3.0	ug/Kg		05/11/23 10:59	05/24/23 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*92*		*39 - 150*	*05/11/23 10:59*	*05/24/23 12:13*	*1*

Client Sample ID: PIER4-050523
Lab Sample ID: 570-137787-5
Date Collected: 05/05/23 11:30
Matrix: Solid
Date Received: 05/09/23 17:00

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Tributyltin	ND		3.0	ug/Kg		05/11/23 10:59	05/23/23 16:36	1
Dibutyltin	ND		3.0	ug/Kg		05/11/23 10:59	05/23/23 16:36	1
Monobutyltin	ND		3.0	ug/Kg		05/11/23 10:59	05/23/23 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*118*		*39 - 150*	*05/11/23 10:59*	*05/23/23 16:36*	*1*

Surrogate Summary

Client: Enthalpy Analytical LLC
Project/Site: 484707

Job ID: 570-137787-1

Method: Organotins SIM - Organotins (GC/MS SIM)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		TPTT
Lab Sample ID	Client Sample ID	(39-150)
570-137787-1	PIER8-050523	13 S1-
570-137787-2	PIER7-050523	66
570-137787-3	PIER6-050523	17 S1-
570-137787-4	PIER5-050523	92
570-137787-5	PIER4-050523	118
LCS 570-328223/2-A	Lab Control Sample	85
LCSD 570-328223/3-A	Lab Control Sample Dup	87
MB 570-328223/1-A	Method Blank	84

Surrogate Legend

TPTT = Tripentyltin

Client: Enthalpy Analytical LLC
Job ID: 570-137787-1
Project/Site: 484707

Method: Organotins SIM - Organotins (GC/MS SIM)

Lab Sample ID: MB 570-328223/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 328572
Prep Batch: 328223

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Tributyltin	ND		3.0	ug/Kg		05/11/23 10:59	05/12/23 13:26	1
Dibutyltin	ND		3.0	ug/Kg		05/11/23 10:59	05/12/23 13:26	1
Monobutyltin	ND		3.0	ug/Kg		05/11/23 10:59	05/12/23 13:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*84*		*39 - 150*	*05/11/23 10:59*	*05/12/23 13:26*	*1*

Lab Sample ID: LCS 570-328223/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 328572
Prep Batch: 328223

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Tributyltin	20.0	7.910		ug/Kg		40	10 - 126
Dibutyltin	20.0	9.055		ug/Kg		45	14 - 174
Monobutyltin	20.0	1.282	J	ug/Kg		6	5 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tripentyltin	*85*		*39 - 150*

Lab Sample ID: LCSD 570-328223/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 328572
Prep Batch: 328223

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Tributyltin	20.0	7.903		ug/Kg		40	10 - 126	0	30
Dibutyltin	20.0	9.938		ug/Kg		50	14 - 174	9	30
Monobutyltin	20.0	1.232	J	ug/Kg		6	5 - 120	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tripentyltin	*87*		*39 - 150*

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

GC/MS Semi VOA

Prep Batch: 328223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-137787-1	PIER8-050523	Total/NA	Solid	Organotin Prep	
570-137787-2	PIER7-050523	Total/NA	Solid	Organotin Prep	
570-137787-3	PIER6-050523	Total/NA	Solid	Organotin Prep	
570-137787-4	PIER5-050523	Total/NA	Solid	Organotin Prep	
570-137787-5	PIER4-050523	Total/NA	Solid	Organotin Prep	
MB 570-328223/1-A	Method Blank	Total/NA	Solid	Organotin Prep	
LCS 570-328223/2-A	Lab Control Sample	Total/NA	Solid	Organotin Prep	
LCSD 570-328223/3-A	Lab Control Sample Dup	Total/NA	Solid	Organotin Prep	

Analysis Batch: 328572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-137787-2	PIER7-050523	Total/NA	Solid	Organotins SIM	328223
MB 570-328223/1-A	Method Blank	Total/NA	Solid	Organotins SIM	328223
LCS 570-328223/2-A	Lab Control Sample	Total/NA	Solid	Organotins SIM	328223
LCSD 570-328223/3-A	Lab Control Sample Dup	Total/NA	Solid	Organotins SIM	328223

Analysis Batch: 328964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-137787-1	PIER8-050523	Total/NA	Solid	Organotins SIM	328223
570-137787-3	PIER6-050523	Total/NA	Solid	Organotins SIM	328223

Analysis Batch: 331264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-137787-5	PIER4-050523	Total/NA	Solid	Organotins SIM	328223

Analysis Batch: 331509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-137787-4	PIER5-050523	Total/NA	Solid	Organotins SIM	328223

Lab Chronicle

Client Sample ID: PIER8-050523
Lab Sample ID: 570-137787-1
Date Collected: 05/05/23 09:20
Matrix: Solid
Date Received: 05/09/23 17:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Organotin Prep			20.0 g	2 mL	328223	05/11/23 10:59	UWEZ	EET CAL 4
Total/NA	Analysis	Organotins SIM		1	1 mL	1 mL	328964	05/15/23 15:04	ULLI	EET CAL 4
	Instrument ID: GCMSY									

Client Sample ID: PIER7-050523
Lab Sample ID: 570-137787-2
Date Collected: 05/05/23 09:50
Matrix: Solid
Date Received: 05/09/23 17:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Organotin Prep			20.0 g	2 mL	328223	05/11/23 10:59	UWEZ	EET CAL 4
Total/NA	Analysis	Organotins SIM		1	1 mL	1 mL	328572	05/12/23 16:12	ULLI	EET CAL 4
	Instrument ID: GCMSY									

Client Sample ID: PIER6-050523
Lab Sample ID: 570-137787-3
Date Collected: 05/05/23 10:55
Matrix: Solid
Date Received: 05/09/23 17:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Organotin Prep			20.1 g	2 mL	328223	05/11/23 10:59	UWEZ	EET CAL 4
Total/NA	Analysis	Organotins SIM		1	1 mL	1 mL	328964	05/15/23 15:22	ULLI	EET CAL 4
	Instrument ID: GCMSY									

Client Sample ID: PIER5-050523
Lab Sample ID: 570-137787-4
Date Collected: 05/05/23 11:10
Matrix: Solid
Date Received: 05/09/23 17:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Organotin Prep			20.1 g	2 mL	328223	05/11/23 10:59	UWEZ	EET CAL 4
Total/NA	Analysis	Organotins SIM		1	1 mL	1 mL	331509	05/24/23 12:13	ULLI	EET CAL 4
	Instrument ID: GCMSY									

Client Sample ID: PIER4-050523
Lab Sample ID: 570-137787-5
Date Collected: 05/05/23 11:30
Matrix: Solid
Date Received: 05/09/23 17:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Organotin Prep			20.2 g	2 mL	328223	05/11/23 10:59	UWEZ	EET CAL 4
Total/NA	Analysis	Organotins SIM		1	1 mL	1 mL	331264	05/23/23 16:36	ULLI	EET CAL 4
	Instrument ID: GCMSY									

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Laboratory: Eurofins Calscience

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Organotins SIM	Organotin Prep	Solid	Dibutyltin
Organotins SIM	Organotin Prep	Solid	Monobutyltin
Organotins SIM	Organotin Prep	Solid	Tributyltin

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-24

Method	Method Description	Protocol	Laboratory
Organotins SIM	Organotins (GC/MS SIM)	Lab SOP	EET CAL 4
Organotin Prep	Extraction (Organotins)	None	EET CAL 4

Protocol References:

Lab SOP = Laboratory Standard Operating Procedure

None = None

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: Enthalpy Analytical LLC
Job ID: 570-137787-1
Project/Site: 484707

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-137787-1	PIER8-050523	Solid	05/05/23 09:20	05/09/23 17:00
570-137787-2	PIER7-050523	Solid	05/05/23 09:50	05/09/23 17:00
570-137787-3	PIER6-050523	Solid	05/05/23 10:55	05/09/23 17:00
570-137787-4	PIER5-050523	Solid	05/05/23 11:10	05/09/23 17:00
570-137787-5	PIER4-050523	Solid	05/05/23 11:30	05/09/23 17:00

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Loc: 570
137787

5/24/2023

Subcontract Laboratory:
Eurofins Southwest
2841 Dow Avenue
Suite 100
Tustin, CA 92780
ATTN: PROJECT # 57000393
PO #: Required, to be sent via email

Enthalpy Order: EO-484707
PM: Patty Mata
Email: patty.mata@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: Standard TAT
Report Level: II
Report To: RL
EDDs: .DBF erpimsenhanced

570-137787 Chain of Custody

Notes:

TBT, DBT, MBT needed.

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
PIER8-050523	05-MAY-2023 09:20	484707-001	1	Soil	Organic Tin, full list	TBT, DBT, MBT
PIER7-050523	05-MAY-2023 09:50	484707-002	1	Soil	Organic Tin, full list	
PIER6-050523	05-MAY-2023 10:55	484707-003	1	Soil	Organic Tin, full list	
PIER5-050523	05-MAY-2023 11:10	484707-004	1	Soil	Organic Tin, full list	
PIER4-050523	05-MAY-2023 11:30	484707-005	1	Soil	Organic Tin, full list	

Notes:	Relinquished By:	Received By:
	[signature]	[signature] EC
	Date: 5/9/23 17:00	Date: 5-9-23 17:00
	Date:	Date:
	Date:	Date:

0.2/0.4 sc6

Page 15 of 16

Login Sample Receipt Checklist

Client: Enthalpy Analytical LLC

Job Number: 570-137787-1

Login Number: 137787
List Number: 1
Creator: Vitente, Precy

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX C
ATLAS TECHNICAL CONSULTANTS GEOPHYSICAL EVALUATION

GEOPHYSICAL EVALUATION

DRISCOLL'S WHARF

San Diego, California

PREPARED FOR:

Kleinfelder
770 First Avenue, Suite 400
San Diego, CA 92101

PREPARED BY:

Atlas Technical Consultants LLC
6280 Riverdale Street, Suite 200
San Diego, CA 90301

June 6, 2023

ATLAS

6280 Riverdale Street
San Diego, CA 92120
(877) 215-4321 | oneatlas.com

June 6, 2023

Atlas No. 9344

MR. JAKE LIPPMAN, PG, CHg
KLEINFELDER
770 FIRST AVENUE, SUITE 400
SAN DIEGO, CA 92101

Subject: Geophysical Evaluation
Driscoll's Wharf
San Diego, California

Dear Mr. Lippman:

In accordance with your authorization, Atlas is pleased to submit this data report pertaining to our geophysical evaluation for a portion of the property located at 4900 North Harbor Drive in San Diego, California. The purpose of our evaluation was to assess the presence of buried underground storage tanks (USTs) and/or backfilled excavations associated with UST removal. Additionally, we performed a Closed-Circuit Television (CCTV) inspection of the existing storm drain inlets and evaluated the presence of detectable underground utilities in the study area and in the vicinity of five proposed borehole locations at the project site. Our services were conducted on May 3 and 4, 2023. This report presents the study methodology, equipment used, analysis, and results from our study.

We appreciate the opportunity to be of service on this project. Should you have any questions, please contact the undersigned at your convenience.

Respectfully submitted,
Atlas Technical Consultants LLC

REGISTERED PROFESSIONAL GEOPHYSICIST
PATRICK F. LEHRMANN
No. 1043
Exp. 1/31/2024
STATE OF CALIFORNIA

Frederico T. Diogo

Patrick Lehrmann

Frederico T. Diogo
Senior Staff Geophysicist

Patrick F. Lehrmann, P.G., P.Gp.
Principal Geologist/Geophysicist

FTD:AIS:PFL:ds

Distribution: JLippman@kleinfelder.com

CONTENTS

FIGURES

1. INTRODUCTION

In accordance with your authorization, Atlas is pleased to submit this data report pertaining to our geophysical evaluation for a portion of the property located at 4900 North Harbor Drive in San Diego, California (Figure 1). The purpose of our evaluation was to assess the presence of buried underground storage tanks (USTs) and/or backfilled excavations associated with UST removal. Additionally, we performed a Closed-Circuit Television (CCTV) inspection of the existing storm drain inlets and evaluated the presence of detectable underground utilities in the study area and in the vicinity of five proposed borehole locations at the project site. Our services were conducted on May 3 and 4, 2023. This report presents the study methodology, equipment used, analysis, and results from our study.

2. SCOPE OF SERVICES

Our scope of services included:

- Performance of a geophysical evaluation for a portion of the subject property.
- Site reconnaissance, including field mapping of surface structures at and near the study area.
- CCTV and clearance of five boreholes.
- Compilation and analysis of the data collected.
- Preparation of this report presenting our findings, conclusions, and recommendations.

3. SITE DESCRIPTION

The project site is located southwest of the intersection between North Harbor Drive and America's Cup Way in San Diego, California (Figure 1). Specifically, our UST study area was located south of the abandoned parking lot of the Chula Seafood Wholesale facility in San Diego, California. The limits of our UST study area were defined by you as depicted in Figure 2. Figures 2 and 3 depict the result of our study and the general site conditions in the study area. Based on our discussions with you, records indicate that the site was once occupied by a waste oil reservoir and that USTs were once utilized at the site; however, details regarding size, purpose, location, or removal are unknown.

4. GEOPHYSICAL INSTRUMENTATION AND APPLICATIONS

Our evaluation included the use of a Geonics model EM61-MK2 time-domain instrument, GSSI SIR 3000 Ground Penetrating Radar (GPR) unit using a 400 MHz transducer Schonstedt GA-52 magnetic gradiometer, Fisher M-Scope TW-6 pipe, and cable locator, Vivax vLoc3-Pro line tracer and GPS Stonex S5HA. These instruments provide real-time results and facilitate the delineation of subsurface features.

The EM61 instrument is a high-resolution, electromagnetic (EM) time-domain device for detecting buried conductive objects. It consists of a powerful transmitter that generates a pulsed primary magnetic field when its coils are energized, which induces eddy currents in nearby conductive objects. The decay of the eddy currents, following the input pulse, is measured by the coils, which in turn serve as receiver coils. The decay rate is measured for two coils, mounted concentrically, one above the other. By making the measurements at a relatively long-time-interval (measured in milliseconds) after the termination of the primary pulse, the response is nearly independent of the electrical conductivity of the ground. Thus, the instrument is a very sensitive metal detector. Due to its unique coil arrangement, the response curve is a single well-defined positive peak directly over a buried conductive object. This facilitates quick and accurate location of targets. Conductive objects to a depth of approximately 11 feet generally can be detected.

The GPR instrument beams energy into the ground from its transducer/antenna, in the form of electromagnetic waves. A portion of this energy is reflected back to the antenna at boundaries in the subsurface across which there is an electrical contrast. The recorder continuously makes a record of the reflected energy as the antenna is moved across the ground surface. The greater the electrical contrast, the higher the amplitude of the returned energy. The EM wave travels at a velocity unique to the material properties of the ground being studied, and when these velocities are known, or closely estimated from ground conductivity values and other information, two-way travel times can be converted to depth. Penetration into the ground and resolution of the GPR images produced are a function of ground electrical conductivity and dielectric constant. Images tend to be graphic, even at considerable depth, in sandy soils, but penetration and resolution may be limited in more conductive clayey moist ground.

The magnetic gradiometer has two fluxgate magnetic fixed sensors that are passed close to and over the ground. When not in close proximity to a magnetic object, that is, only in the earth's field, the instrument emits an audible signal at a low frequency. When the instrument passes over buried iron or steel objects (so that the field is significantly different at the two sensors) the frequency of the emitted sound increases. Frequency is a function of the gradient between the two sensors.

The M-Scope TW-6 device energizes the ground by producing an alternating primary magnetic field with alternating current (AC) in the transmitting coil. If conducting materials (including soils) are within the area of influence of the primary field, AC eddy currents are induced to flow in the conductors. A receiving coil senses the secondary magnetic field produced by these eddy currents and outputs an audio response. The strength of the secondary field is a function of the conductivity of the object, its size, and its depth and position relative to the instrument's two coils. Conductive objects to a depth of approximately 10 feet are sensed. Also, the device is somewhat focused, that is, it is more sensitive to conductors below (and above) the instrument than to conductors off to the side.

Where risers are present, the Vivax vLoc3-Pro utility locator transmitter can be connected to the object, and a current is impressed on the conductor pipe or cable. The receiver unit is tuned to this same frequency, and it is used to trace the pipe's surface projection away from the riser. The transmitter and receiver can also be used in a non-connect (induction) mode, whereby the transmitter is positioned on the ground and an electromagnetic signal is emitted. In the presence of buried metal pipes and wires, a discrete signal will be induced on the conductor which can be sensed by the receiver. In addition, the instrument may be used in the passive mode, whereby radio and 60 Hz electromagnetic signals produced by communication and live electric lines are detected.

5. STUDY METHODOLOGY

In order to facilitate the collection of EM61 data, a grid measuring approximately 65 feet by 80 feet was established. Data was collected at 0.6-foot intervals along northwest-southeast-oriented traverses spaced approximately 5 feet apart across accessible portions of the study area. The limits of our study area were defined by you at the time of our evaluation (Figure 2). GPR traverses were conducted along roughly northwest-southeast and southwest-northeast profiles spaced approximately 3 to 5 feet apart, access permitting. GPR traverses were also performed along random profiles across and near detected features. Traverses with the M-Scope were conducted along profiles spaced approximately 5 feet apart, and the line tracer was used in passive, direct connect, and inductive modes to delineate the presence of underground utilities within the study area. The recorded EM61 data was downloaded to a portable computer in the field for preliminary analysis. Significant anomalies, as well as detectable underground utilities, were marked on the ground surface with paint and reported to you at the end of our field study.

6. RESULTS, CONCLUSIONS, AND RECOMMENDATIONS

As previously discussed, the purpose of our evaluation was to assess the presence of buried underground storage tanks (USTs) and/or backfilled excavations associated with UST removal. Additionally, we performed a CCTV inspection of the existing storm drain inlets and evaluated the presence of detectable underground utilities in the study area and in the vicinity of five proposed borehole locations at the project site. The results of our EM study did not clearly reveal the presence of USTs, however, a couple of unidentified lines and a fairly large regional EM responses were detected at the site (Figure 2). The results of GPR traverses conducted across the study area and in the vicinity of detected EM responses did not indicate the existence of USTs. Large EM responses appear to be associated with the building elements such as metal fencing, metallic canopy/boat repair rack, and stored metallic surface obstructions at the site.

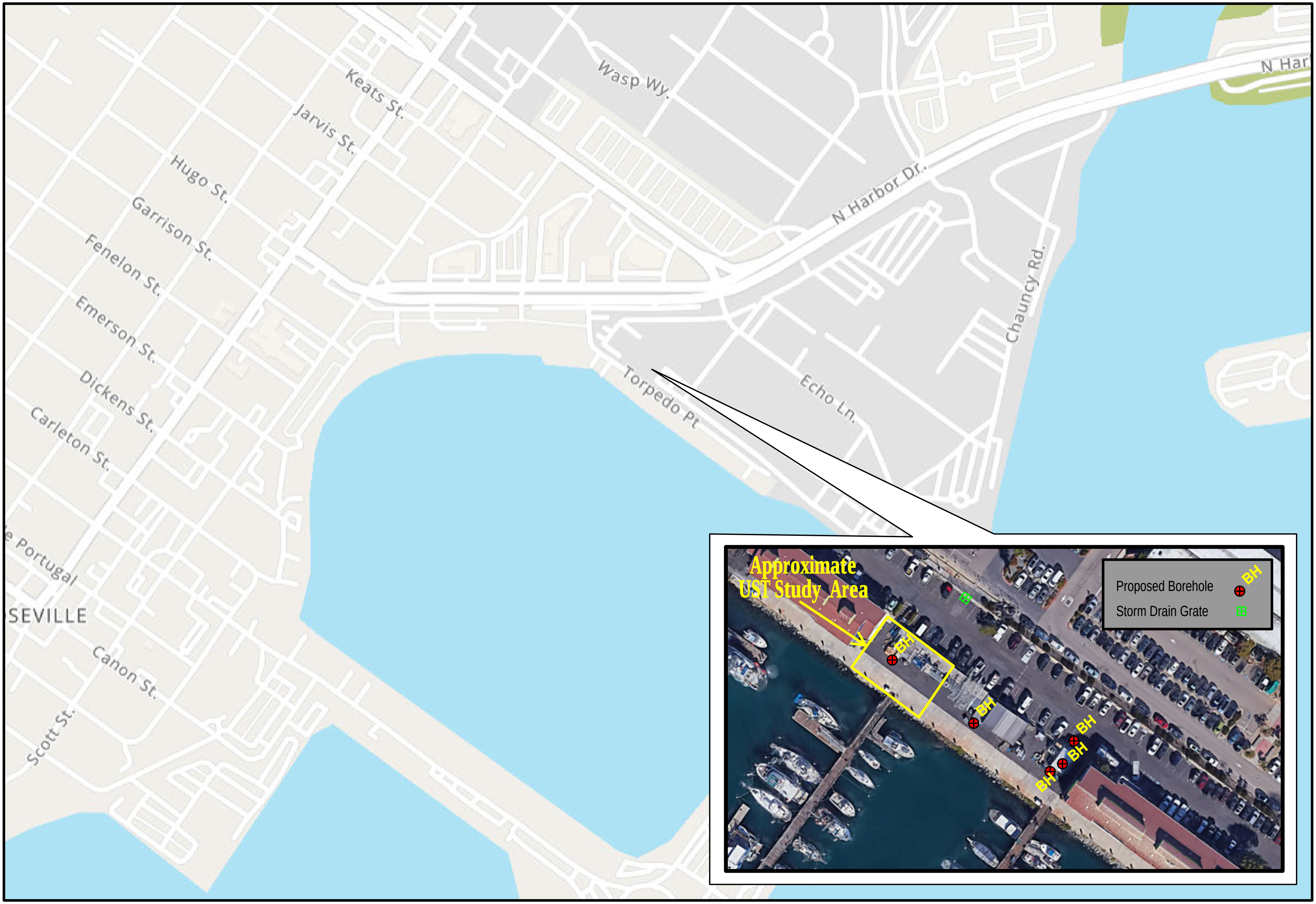
Our study utilized industry-standard equipment (i.e., GPR, electromagnetic, and magnetic instruments), and was conducted in general accordance with current practice. It should be noted that the presence of the aforementioned existing structures and surface objects may have potentially limited the study. Where obstructions were present, subsurface data could not be collected. Moreover, EM/magnetic responses produced by metal surface objects, reinforced concrete, and underground lines can potentially obscure subsurface features. Radar penetration at the site was approximately 3 to 4 feet below the ground surface; therefore, objects below this depth would not have been detected with GPR. It should be noted that all but one of the storm drains in the study area were clogged with soil, and access to the CCTV inspection equipment was limited. In order to inspect these lines, some sort of cleaning measures will be necessary. CCTV data was provided in digital format.

7. LIMITATIONS

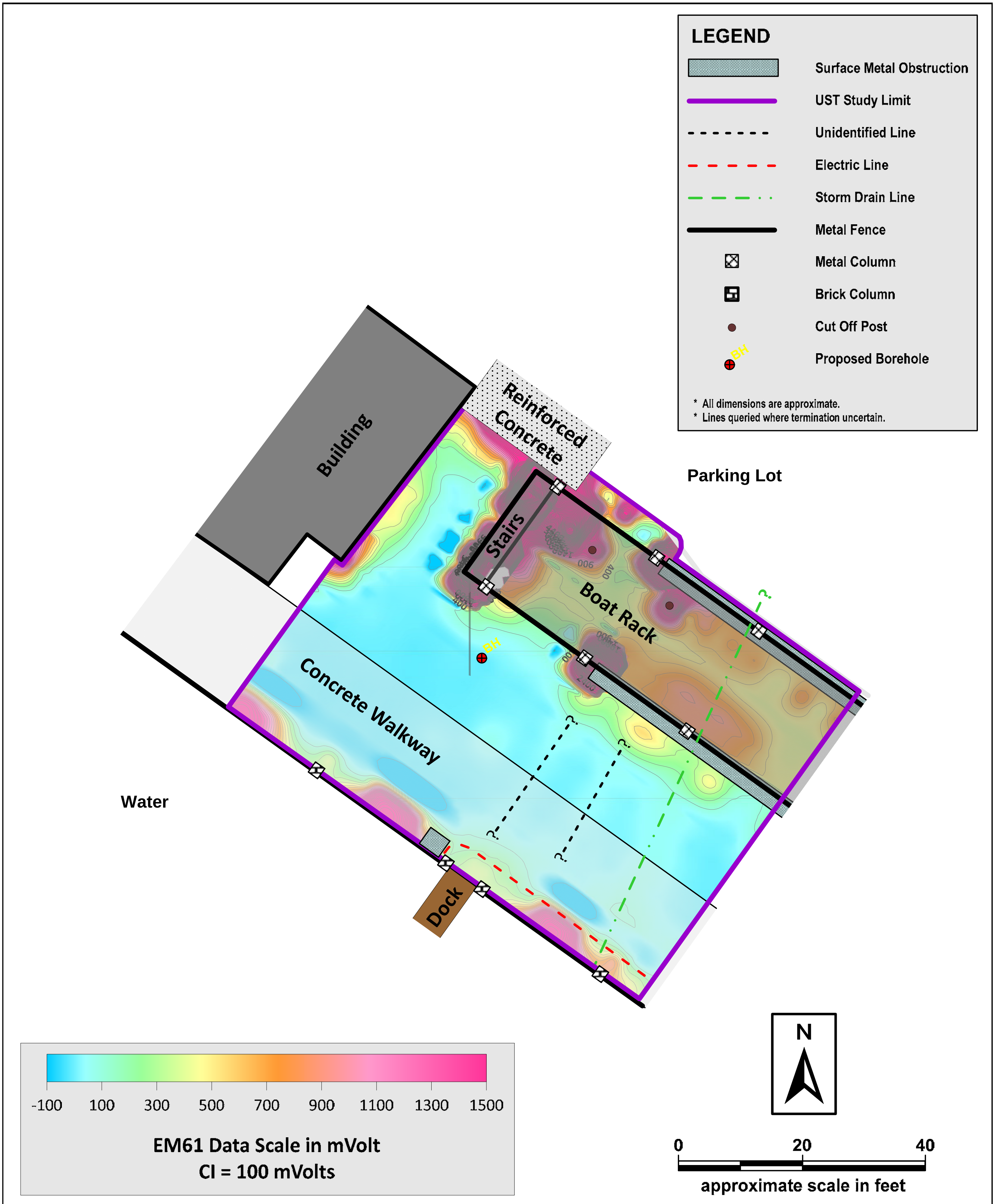
The field evaluation and geophysical analyses presented in this report have been conducted in general accordance with current practice and the standard of care exercised by consultants performing similar tasks in the project area. No warranty, express or implied, is made regarding the conclusions and opinions presented in this report. There is no evaluation detailed enough to reveal every subsurface condition. Variations may exist, and conditions not observed or described in this report may be present. Uncertainties relative to subsurface conditions can be reduced through additional subsurface evaluation and/or exploration. Additional subsurface evaluations can be performed upon request.

Please also note that our evaluation was limited to the detection of USTs and backfilled tank excavations, as well as the presence of detectable underground lines. “USA” or “Dig Alert” should also be contacted prior to conducting subsurface exploration activities. In addition, we recommend that available utility plans/drawings of the project site be reviewed as appropriate.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Atlas should be contacted if the reader requires additional information or has questions regarding the content, interpretations presented, or completeness of this document. This report is intended exclusively for use by the client. Any use or reuse of this report by parties other than the client is undertaken at said parties’ sole risk.



ATLAS	Driscoll's Wharf San Diego, California	Project No: 9344 Date: 06/23	Figure 1	SITE LOCATION MAP



ATLAS

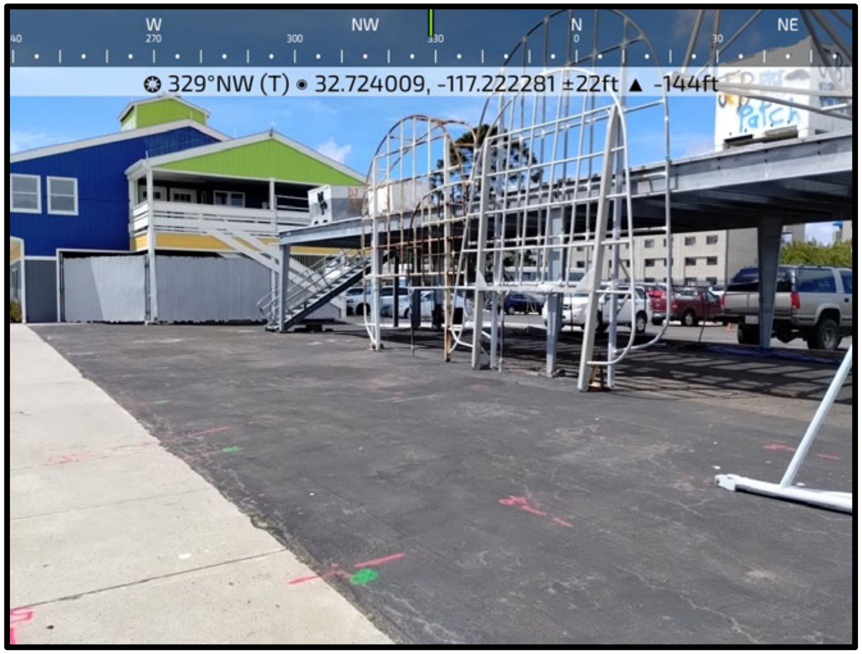
Driscoll's Wharf
San Diego, California

Project No.: 9344

Date: 06/23

Figure 2

SITE DATA MAP



ATLAS	Driscoll's Wharf San Diego, California	Project No.: 9344 Date: 06/23	Figure 3	**SITE PHOTOGRAPHS**

PRELIMINARY CONCEPTUAL SITE MODEL REPORT - LANDSIDE IMPACTS
4900-4930 NORTH HARBOR DRIVE
SAN DIEGO, CALIFORNIA 92106
KLEINFELDER PROJECT NO. 20210261.011A
GEOTRACKER GLOBAL ID T10000022442

MAY 8 2025

A Report Prepared for:

Mr. George Liddle
Senior Environmental Specialist, Environmental Protection
San Diego Unified Port District
3165 Pacific Highway
San Diego, California 92101

PRELIMINARY CONCEPTUAL SITE MODEL REPORT – LANDSIDE IMPACTS
4900-4930 NORTH HARBOR DRIVE
SAN DIEGO, CALIFORNIA 92106
GEOTRACKER GLOBAL ID T10000022442

Prepared by:

Jake Lippman, PG 9127, CHg 1028
Project Manager

Reviewed by:

William D. Golightly, PE 58959
Vice President, Project Management

KLEINFELDER
770 First Avenue, Suite 400
San Diego, California 92101
Phone: 619.831.4600

May 8, 2025
Kleinfelder Project No. 20210261.011A

TABLE OF CONTENTS

ABBREVIATIONS AND ACRONYMS

AST	aboveground storage tank
bgs	below ground surface
CSM	Conceptual Site Model
District	San Diego Unified Port District
ESL	San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels
mg/kg	milligram per kilogram
mg/L	milligram per liter
SDRWQCB	San Diego Regional Water Quality Control Board
TPH	total petroleum hydrocarbon
µg/kg	microgram per kilogram

1 INTRODUCTION

On behalf of the San Diego Unified Port District (District), Kleinfelder has prepared this *Preliminary Conceptual Site Model Report – Landside Impacts* for 4900-4930 North Harbor Drive, San Diego, California (the Site; Figures 1 and 2). This report was prepared pursuant to Task Authorization No. 11, dated October 4, 2022, under the As-Needed Environmental Investigation Services Agreement No. 20-2020MA between Kleinfelder and the District.

To evaluate existing conditions of the Site, the District requested Kleinfelder to conduct a Phase I Environmental Site Assessment (Kleinfelder, 2022). Based on the findings of the Phase I Environmental Site Assessment, the District requested Kleinfelder to evaluate select Recognized Environmental Conditions as part of a Limited Phase II Environmental Site Assessment (Kleinfelder, 2023). These reports were submitted to the San Diego Regional Water Quality Control Board (SDRWQCB) for review. Based on the SDRWQCB's review, the SDRWQCB opened a GeoTracker case (Global ID T10000022442) and requested that a Preliminary Conceptual Site Model (CSM) Report be prepared for the Site (SDRWQCB, 2025).

To facilitate assessment of landside versus Bayside areas, the District is submitting separate Preliminary CSM Reports for landside and Bayside impacts. The Preliminary CSM for landside impacts, presented herein, includes a graphical illustration of sources of contamination and transport pathways (Figure 2), a flow chart showing sources of contamination, release mechanisms, and sensitive receptors (Figure 3), and a discussion of data gaps associated with our understanding of sources and the nature and extent of contamination at the Site.

2 PRELIMINARY CONCEPTUAL SITE MODEL

Based on the results of the Limited Phase II Environmental Site Assessment (Kleinfelder, 2023), graphical illustration of the preliminary CSM (Figure 2) and a preliminary sensitive receptor flow chart (Figure 3) have been prepared for landside impacts at the Site.

2.1 PRELIMINARY CONCEPTUAL SITE MODEL ILLUSTRATION

The preliminary CSM illustration presented on Figure 2 identifies sources of landside contamination and transport pathways of contamination through the environment at the Site. The following is a summary of the preliminary CSM illustration for landside impacts.

Former Waste Oil Aboveground Storage Tank/Current Hazardous Waste Storage Shed

During the Phase I ESA conducted in 2022 (Kleinfelder, 2022), a hazardous waste storage shed was observed on the Site and contained four 55-gallon drums: one drum of waste oil, one drum of oily water, one drum of waste oil and gasoline filters, and one drum of oily rags and absorbents. Heavily stained concrete in the hazardous waste storage shed was also observed. According to historical aerial photographs, the shed appears to have been constructed between 2012 and 2016. Prior to the existence of the hazardous materials storage shed, the same area was used for outdoor hazardous material storage. According to County of San Diego Department of Environmental Health compliance inspection reports between 1995 and 2016, hazardous material storage in this area included 55-gallon drums of waste oil and one 375-gallon waste oil aboveground storage tank (AST). The inspection records indicated that oily debris was observed on the secondary containment surrounding the AST.

Although the precise direction of groundwater flow is unknown at the Site, the general direction of groundwater flow is anticipated to be southwest-ward, towards San Diego Bay, and is likely tidally influenced. Soil and groundwater below and downgradient of the hazardous waste storage shed was sampled during Kleinfelder's Limited Phase II ESA (Kleinfelder, 2023). Soil boring B-3 was located below the hazardous waste storage shed and soil boring B-4 is considered downgradient of the shed. Select figures and tables of analytical results from the Limited Phase II ESA are included in Appendix A of this report. In soil, results from the Phase II ESA (Kleinfelder, 2023) indicate that total petroleum hydrocarbons (TPH) as diesel and oil were detected below and downgradient from the hazardous waste storage shed and m,p-xylene was detected downgradient from the hazardous waste storage shed. m,p-Xylene was detected in one sample at 16 micrograms per kilogram (µg/kg) at 0.5 feet below ground surface (bgs), TPH as diesel was detected at a maximum concentration of 260 milligrams per kilogram (mg/kg) at 8 feet bgs, and TPH as oil was detected up to a maximum concentration of 600 mg/kg at 8 feet bgs.

The TPH as diesel and TPH as oil concentrations in soil do not exceed the San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels (ESLs) for commercial/industrial soil of 1,200 mg/kg and 180,000 mg/kg, respectively. Additionally, the concentration of xylene in soil does not exceed the United States Environmental Protection Agency Regional Screening Level for industrial soil of 2,500,000 µg/kg.

In groundwater, results from the Phase II ESA (Kleinfelder, 2023) indicate that TPH as diesel was detected below the hazardous waste storage shed and TPH as oil was detected below and downgradient from the hazardous waste storage shed. In groundwater, TPH as diesel was detected at 4.6 milligrams per liter (mg/L) and TPH as oil was detected at 11 mg/L. Both of these results were "j-flagged" by the analytical laboratory (estimated concentration between the laboratory method detection limit and laboratory reporting limit).

In the groundwater sample collected below the hazardous waste storage shed (sample location B-4), the TPH as diesel concentration of 4.6 mg/L exceeded the San Francisco Bay Regional Water Quality Control Board Environmental Screening Level for gross contamination of 2.5 mg/L. Sample location B-4 is located approximately 60 feet from San Diego Bay. Additionally, although TPH as diesel was not detected in the groundwater sample collected downgradient of the hazardous waste storage shed (sample location B-3), the laboratory reporting limit for this sample was 4.4 mg/L, which is greater than the gross contamination ESL. The gross contamination ESL is based on the solubility threshold concentration for TPH as diesel in water, therefore a concentration above the ESL indicates that TPH as diesel may be present as a non-aqueous phase liquid. Sample location B-3 is located approximately 40 feet from San Diego Bay.

As depicted on Figure 2, contamination in the area of the former waste oil AST/current hazardous waste storage shed has percolated into the surrounding soil and groundwater (No. 1). There is a potential for this contaminated groundwater to migrate towards and impact San Diego Bay (No. 2). There is also potential for the contaminated soil and groundwater to result in contaminated vapor emissions (No. #3).

Historic AST Containing Tar

The Phase I ESA (Kleinfelder, 2022) identified records of one 100-gallon AST containing tar historically present on-site and that lobster cages were dipped into the AST. The precise on-site location of the AST, time period that the AST existed, and methods used to dip the lobster cages into the AST are unknown.

The historical presence of the AST and the activity of dipping the lobster cages into the tar had the potential to be sources of contamination to the Site.

Two borings (B-1 and B-2) were drilled on the Site during the Phase II ESA (Kleinfelder, 2023) to evaluate potential contamination from the historical AST containing tar. Although the precise location of the AST is unknown, Kleinfelder selected sampling locations near the piers where miscellaneous equipment was being stored, and therefore could have been where the historical AST was located. The other areas of the Site were either occupied by commercial buildings, vehicle parking lots, or were not accessible due to equipment storage. This target area is rectangular and roughly 4,000 square feet in area (200 feet by 20 feet), or less than 0.1 acres, and is generally consistent with the information provided in the Phase I ESA.

At these two boring locations, the sampling results did not identify the presence of polycyclic aromatic hydrocarbons, which would indicate contamination from tar. Although there is potential for landside impacts from the AST to exist elsewhere within this small target area, the Limited Phase II ESA has further constrained the area that might have been impacted. Based on the small target area, the absence of any documented release, the presence of pavement across the Site, and the findings of the Limited Phase II ESA, this historical feature and activity are considered sufficiently investigated at this time and *de minimis*, and are not identified as a data gap.

Lead Battery Reclamation

The Phase I ESA reported that lead battery reclamation had been witnessed on the Site, generally in the outdoor area between the building at 4904 North Harbor Drive and the building at 4918 North Harbor Drive. This was based on a single report from a witness, the witness report did not specify that a release had occurred, and there is no evidence that this was a sustained or large-scale activity. The precise on-site location of the reclamation, time period that this activity occurred, and the methods used to reclaim the lead batteries are unknown. This activity had the potential to be a source of contamination to the Site.

Two borings (B-1 and B-2) were drilled on the Site during the Phase II ESA (Kleinfelder, 2023) to evaluate potential contamination from lead battery reclamation, in areas where this activity may have been present. Although the precise location of lead battery reclamation activity is unknown, Kleinfelder selected sampling locations within the unpaved area near the piers where miscellaneous equipment was being stored, and therefore could have been where this activity was located. The other areas of the Site were either occupied by commercial buildings, vehicle parking lots, or were not accessible due to equipment storage. This target area is rectangular and roughly 4,000 square feet in area (200 feet by 20 feet), or less than 0.1 acres, and is consistent with the information provided in the Phase I ESA.

At these two boring locations, the sampling results did not identify the presence of elevated concentrations of metals, which would indicate contamination from lead battery reclamation in soil. Although there is potential for landside impacts from lead battery reclamation to exist elsewhere within this small target area, these findings from the Limited Phase II ESA have further constrained the area that might have been impacted. Based on the small target area, the singular nature of the witness report, the absence of any documented release, the presence of pavement across the Site, and the findings of the Limited Phase II ESA, this activity is considered sufficiently investigated at this time and *de minimis*, and is not identified as a data gap.

2.2 PRELIMINARY SENSITIVE RECEPTOR FLOW CHART

The preliminary sensitive receptor flow chart presented on Figure 3 identifies sources of contamination, the release mechanisms from these sources to the environment, and exposure routes of contamination to sensitive receptors. The following is a summary of the sensitive receptor flow chart for landside impacts.

Former Waste Oil Aboveground Storage Tank/Current Hazardous Waste Storage Shed

Spills/leaks have been identified in the area of the former waste oil AST and current hazardous waste storage shed. Subsurface percolation from the spills/leaks have impacted soil and groundwater with xylene and TPH as diesel and oil. The contaminated soil and groundwater have the potential to create an exposure pathway to future construction workers who may encounter the affected media through direct exposure or through inhalation of soil gas. Contaminated soil gas may also pose an indoor air exposure risk, through vapor intrusion, to occupants of the Site. In addition, the contaminated groundwater has the potential to migrate to San Diego Bay and create an exposure pathway to marine organisms.

3 DATA GAPS

This section describes current data gaps associated with landside CSM. The data gaps we have identified are highlighted on the sensitive receptor flow chart (Figure 3).

3.1 SOURCE IDENTIFICATION

Former Waste Oil Aboveground Storage Tank/Current Hazardous Waste Storage Shed

The former waste oil AST and current hazardous waste storage shed are known primary sources, therefore, no data gaps were identified.

3.2 RELEASE MECHANISMS

Former Waste Oil Aboveground Storage Tank/Current Hazardous Waste Storage Shed

No data gaps were identified in relation to primary and secondary release mechanisms. The tertiary release mechanism (migration to Bay) is described in Section 3.4.

3.3 NATURE AND EXTENT OF CONTAMINATION

Former Waste Oil Aboveground Storage Tank/Current Hazardous Waste Storage Shed

In soil, the lateral extents of xylene and TPH as diesel and oil, and the vertical extents of TPH as diesel and oil are unknown in the area of the former waste oil AST and current hazardous waste storage shed. In groundwater, the lateral extents of TPH as diesel and oil contamination are unknown. In addition, because soil gas has not been sampled at the Site, it is unknown whether soil gas has been impacted by vapors from xylene or petroleum hydrocarbons in soil. Petroleum contaminated soil may produce vapors that pose a vapor intrusion risk to Site occupants or an inhalation risk to future construction workers.

3.4 THREATS TO SAN DIEGO BAY

Former Waste Oil Aboveground Storage Tank/Current Hazardous Waste Storage Shed

Groundwater has been contaminated with TPH as diesel and oil in this area, therefore due to the proximity of the groundwater contamination to San Diego Bay, there is a potential that this contamination may impact San Diego Bay. However, it is unknown whether the groundwater contamination has migrated to San Diego Bay or if San Diego Bay has been impacted.

3.5 SUMMARY OF DATA GAPS

This preliminary CSM report has identified the following investigative data gaps in association with contamination at the Site:

1. The lateral extent of xylene contamination in soil, associated with the former waste oil AST and current hazardous waste storage area, is unknown.
2. The lateral and vertical extent of TPH as diesel and oil contamination in soil and groundwater, associated with the former waste oil AST and current hazardous waste storage area, are unknown.
3. It is unknown whether the TPH as diesel and oil contamination in groundwater has migrated to and impacted San Diego Bay.
4. Soil gas has not been assessed at the Site, therefore, it is unknown whether soil gas has been impacted from the subsurface xylene and/or petroleum hydrocarbons.

4 LIMITATIONS

This report was prepared in a manner consistent with that level of care and skill ordinarily exercised by other members of Kleinfelder's profession practicing in the same locality, under similar conditions and at the date the services are provided. Our conclusions, opinions and recommendations are based on a limited number of observations and data. It is possible that conditions could vary between or beyond the data evaluated. Kleinfelder makes no other representation, guarantee or warranty, express or implied, regarding the services, communication (oral or written), report, opinion, or instrument of service provided.

This report may be used only by the District, the registered design professional in responsible charge, and the San Diego Regional Water Quality Control Board, and only for the purposes stated for this specific engagement within a reasonable time from its issuance, but in no event later than two (2) years from the date of the report.

Kleinfelder offers various levels of investigative and engineering services to suit the varying needs of different clients. It should be recognized that definition and evaluation of geologic and environmental conditions are a difficult and inexact science. Judgments leading to conclusions and recommendations are generally made with incomplete knowledge of the subsurface conditions present due to the limitations of data from field studies. Although risk can never be eliminated, more-detailed and extensive studies yield more information, which may help understand and manage the level of risk. Since detailed study and analysis involves greater expense, our clients participate in determining levels of service that provide adequate information for their purposes at acceptable levels of risk. More extensive studies, including subsurface studies or field tests, should be performed to reduce uncertainties. Acceptance of this report will indicate that the District has reviewed the document and determined that it does not need or want a greater level of service than provided.

The information included on graphic representations in this report has been compiled from a variety of sources and is subject to change without notice. Kleinfelder makes no representations or warranties, express or implied, as to the accuracy, completeness, timeliness, or rights to the use of such information. These documents are not intended for use as a land survey product nor are they designed or intended as a construction document. The use or misuse of the information contained on these graphic representations is at the sole risk of the party using or misusing the information.

5 REFERENCES

Kleinfelder, 2022. *Phase I Environmental Site Assessment, 4900-4930 North Harbor Drive, San Diego, California 92106*, December 21.

Kleinfelder, 2023. *Limited Phase II Environmental Site Assessment Work Plan, 4900-4930 North Harbor Drive, San Diego, California 92106*, January 18.

San Diego Regional Water Quality Control Board (SDRWQCB), 2025. *Phase I and II Environmental Site Assessments – Driscoll's Wharf 4900-4930 North Harbor Drive, San Diego, California (Site IDs #2090129 [Driscoll Marina Ltd.] and #2090130 [San Diego Unified Port District])*, March 10.

FIGURES

PLOTTED: 4/18/2025 5:30 PM, KHagan

The information included on this graphic representation has been compiled from a variety of sources and is subject to change without notice. Kleinfelder makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information. This document is not intended for use as a land survey product nor is it designed or intended as a construction design document. The use or misuse of the information contained on this graphic representation is at the sole risk of the party using or misusing the information.

KLEINFELDER
Bright People. Right Solutions.

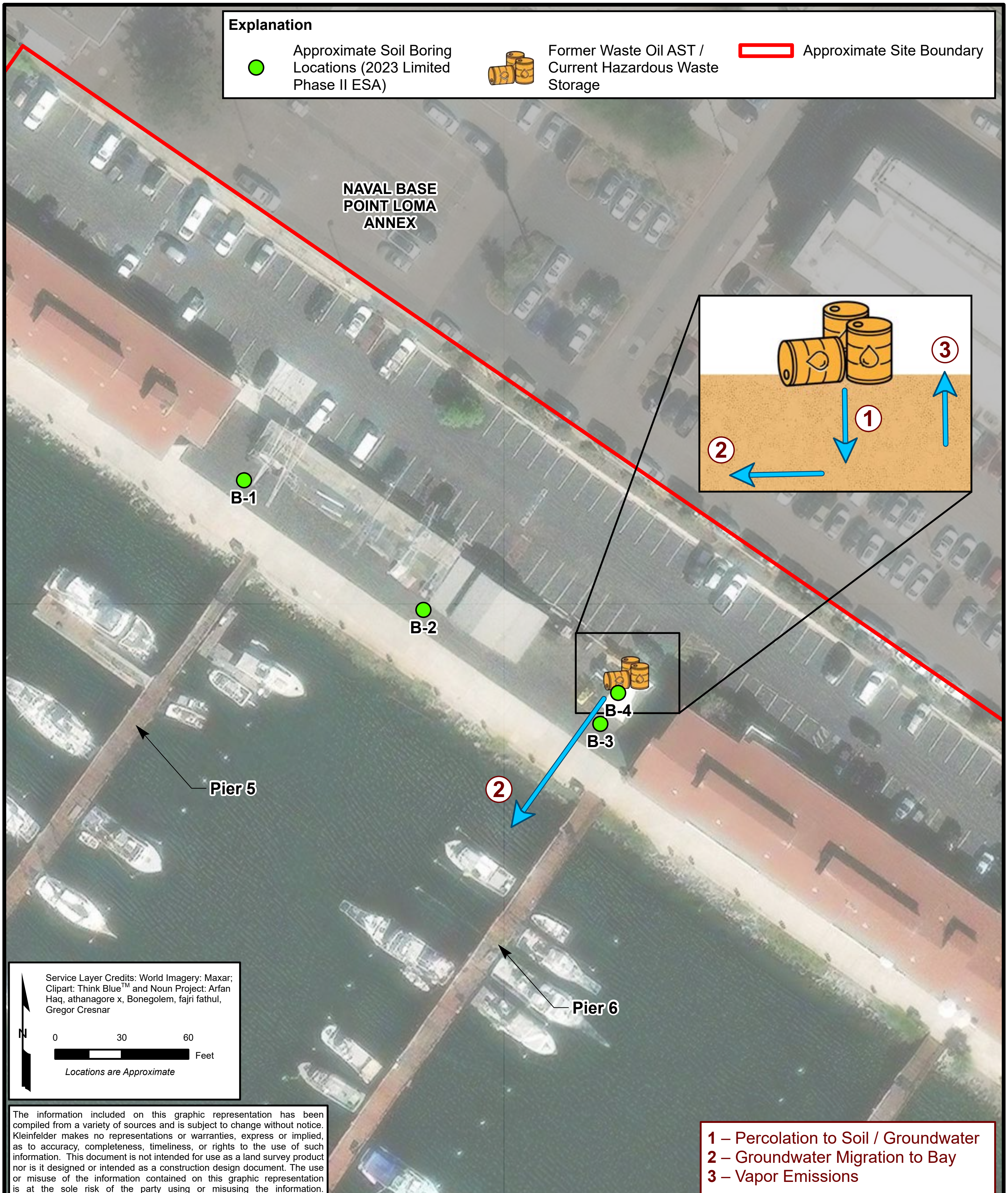
PROJECT:	20210261.011A
DRAWN:	APR 2025
DRAWN BY:	KFH
CHECKED BY:	JL
FILE NAME:	CSM_Land_F1.pagx

SITE LOCATION MAP

PRELIMINARY CSM REPORT - LANDSIDE IMPACTS
DRISCOLL'S WHARF
4900-4930 NORTH HARBOR DRIVE
SAN DIEGO, CALIFORNIA

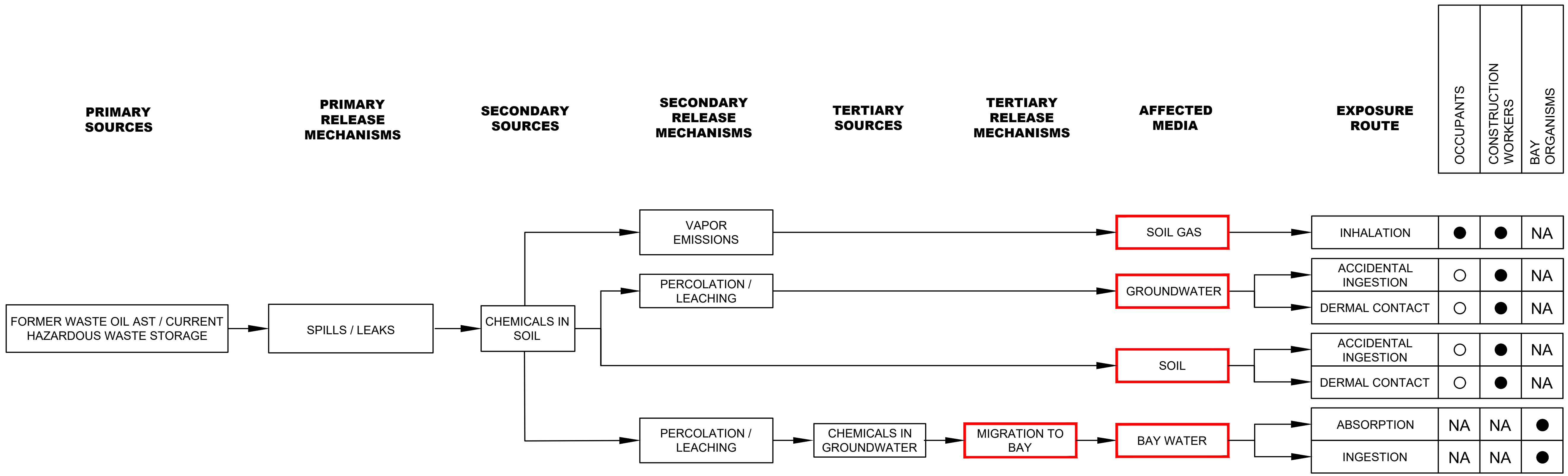
FIGURE
1

FILE: \\azrgisstorp03\GIS_Projects\Client\Port_of_San_Diego\20210261.011A-DriscollsWharf\DriscollsWharf.aprx



KLEINFELDER
Bright People. Right Solutions.

PROJECT: 20210261.011A		PRELIMINARY CSM - LANDSIDE IMPACTS	FIGURE
DRAWN: MAY 2025			
DRAWN BY: KFH		PRELIMINARY CSM REPORT - LANDSIDE IMPACTS DRISCOLL'S WHARF 4900-4930 NORTH HARBOR DRIVE SAN DIEGO, CALIFORNIA	2
CHECKED BY: JL			
FILE NAME: CSM_Land_F2.pagx			



Exposure route	Occupants	Construction workers	Bay organisms
INHALATION	●	●	NA
ACCIDENTAL INGESTION	○	●	NA
DERMAL CONTACT	○	●	NA
ACCIDENTAL INGESTION	○	●	NA
DERMAL CONTACT	○	●	NA
ABSORPTION	NA	NA	●
INGESTION	NA	NA	●

● EXPOSURE PATHWAY POTENTIALLY COMPLETE
○ EXPOSURE PATHWAY INCOMPLETE
NA NOT APPLICABLE TO SCENARIO
DATA GAP

KLEINFELDER
Bright People. Right Solutions.

PROJ: 20210261.011A
DRAWN BY: KFH
CHECKED BY: JL
DATE: APR 2025
REVISED: -

SENSITIVE RECEPTOR FLOW CHART - LANDSIDE IMPACTS

PRELIMINARY CSM REPORT - LANDSIDE IMPACTS
DRISCOLL'S WHARF
4900-4930 NORTH HARBOR DRIVE
SAN DIEGO, CALIFORNIA

FIGURE
3

APPENDIX A

Table 8-1
Metals Results in Soil

			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
		Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		USEPA Method:	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	7471A	6010B	6010B	6010B	6010B	6010B	6010B	6010B
		DTSC-SL for Commercial/Industrial Soil:	--	0.36	--	230	--	--	--	--	500	4.4	--	11,000	--	--	--	--	--
		USEPA RSL for Industrial Soil:	470	3.0	220,000	2,300	100	--	350	47,000	800	46	5,800	22,000	5,800	5,800	12	5,800	350,000
Boring ID	Sample Depth (ft bgs)	Date Sampled																	
B-1	0.5	05/04/2023	<2.9	**4.4**	**41**	**0.51**	<0.49	**24**	**10**	**8**	**6.8**	<0.15	**1.3**	**11**	<2.9	<0.49	<2.9	**53**	**41**
	3	05/04/2023	<2.9	**1.9**	**77**	<0.49	<0.49	**16**	**6**	**48**	**12**	**0.23**	**0.98**	**5.9**	<2.9	<0.49	<2.9	**49**	**42**
	8	05/04/2023	<3.0	**2.1**	**56**	<0.50	<0.50	**15**	**5.1**	**12**	**15**	<0.17	<1.0	**6.4**	<3.0	<0.50	<3.0	**30**	**47**
B-2	0.5	05/04/2023	<2.9	**4.3**	**100**	<0.49	<0.49	**22**	**6.5**	**10**	**3.8**	<0.16	<0.97	**8.3**	<2.9	<0.49	<2.9	**46**	**43**
	3	05/04/2023	<2.9	**3.2**	**73**	<0.48	<0.48	**15**	**5.4**	**12**	**20**	<0.16	<0.96	**6.6**	<2.9	<0.48	<2.9	**37**	**42**
	7	05/04/2023	<3.0	**4.5**	**77**	<0.50	<0.50	**11**	**3.6**	**8.5**	**9.4**	<0.15	<1.0	**4**	<3.0	<0.50	<3.0	**28**	**47**
B-3	0.5	05/04/2023	<2.9	**6.4**	**120**	<0.48	<0.48	**12**	**4.6**	**16**	**12**	<0.16	<0.96	**5.9**	<2.9	<0.48	<2.9	**36**	**43**
	3	05/04/2023	<3.0	**2.5**	**75**	<0.50	<0.50	**15**	**6.2**	**9.2**	**5.3**	<0.16	<0.99	**6.3**	<3.0	<0.50	<3.0	**40**	**42**
	7	05/04/2023	<2.9	**4.5**	**27**	<0.48	<0.48	**22**	**2.9**	**9.5**	**18**	<0.15	<0.96	**17**	<2.9	<0.48	<2.9	**25**	**58**
B-4	0.5	05/04/2023	<2.9	**5**	**120**	<0.49	<0.49	**13**	**4.3**	**17**	**30**	<0.15	<0.98	**5.5**	<2.9	<0.49	<2.9	**34**	**45**
	3	05/04/2023	<3.0	**2.9**	**65**	<0.50	<0.50	**17**	**5.5**	**8.7**	**3.5**	<0.16	<0.99	**7**	<3.0	<0.50	<3.0	**47**	**38**
	8	05/04/2023	<2.9	**5.3**	**150**	<0.48	<0.48	**11**	**2.7**	**9.6**	**12**	**0.26**	**1.6**	**18**	<2.9	<0.48	<2.9	**33**	**46**

Notes:
-- = Screening level not established.
Bold = detected above laboratory reporting limit
<2.9 = Concentration below stated laboratory reporting limit.
ft bgs = feet below ground surface
Highlighted Value = indicates exceedance of screening level
mg/kg = milligrams per kilogram
RSL = USEPA Regional Screening Level, Composite Worker Soil (Industrial), May 2023.
DTSC-SL = California Environmental Protection Agency Department of Toxic Substances Control (DTSC) Office of Human and Ecological Risk (HERO) Human Health Risk Assessment (HHRA) Note Number 3, DTSC-modified Screening Levels (DTSC-SLs) for Commercial/Industrial Soil. Release date: June 2020, revised May 2022.
USEPA = United States Environmental Protection Agency

Table 8-2
TPH Results in Soil

			TPH as Gasoline (C8-C10)	TPH as Diesel (C10-C28)	TPH as Oil (C28-C44)
		Units:	mg/kg	mg/kg	mg/kg
		USEPA Method:	8015M	8015M	8015M
		SFBRWQCB ESL for Commercial/Industrial Soil:	2,000	1,200	180,000
		DTSC-SL for Commercial/Industrial Soil:	--	--	--
		USEPA RSL for Industrial Soil (Aliphatic):	1900	440	3,500,000
		USEPA RSL for Industrial Soil (Aromatic):	--	1,700	220
Boring ID	Sample Depth (ft bgs)	Date Sampled			
B-1	0.5	05/04/2023	<9.9	**14**	**26**
	3	05/04/2023	<20	**48**	**75**
	8	05/04/2023	<10	<10	<20
B-2	0.5	05/04/2023	<10	<10	<20
	3	05/04/2023	<9.9	**18**	**36**
	7	05/04/2023	<10	<10	<20
B-3	0.5	05/04/2023	<10	**24**	**87**
	3	05/04/2023	<10	<10	<20
	7	05/04/2023	<200	**220**	**520**
B-4	0.5	05/04/2023	<10	**26**	**31**
	3	05/04/2023	<10	<10	<20
	8	05/04/2023	<200	**260**	**600**

Notes:
Highlighted cells indicate screening limit exceeded.
Bold = Detected above laboratory reporting limit.
Highlighted Value = indicates exceedance of screening level
-- = Screening level not established.
<10 = Concentration below stated laboratory reporting limit.
C10-C28 = indicates carbon-chain number
DTSC-SL = California Environmental Protection Agency Department of Toxic Substances Control (DTSC) Office of Human and Ecological Risk (HERO) Human Health Risk Assessment (HHRA) Note Number 3, DTSC-modified Screening Levels (DTSC-SLs) for Commercial/Industrial Soil. Release date: June 2020, revised May 2022.
ESL = SFBRWQCB Environmental Screening Levels Workbook and Summary Tables 2019 Revision 2, July 25, 2019.
ft bgs = feet below ground surface
mg/kg = milligrams per kilogram
RSL = USEPA Regional Screening Level, Composite Worker (Industrial), May 2023. Designation "X I X" indicates "aliphatic I aromatic" fractions, which are not differentiated in typical TPH analysis. The actual screening level of the overall TPH constituent with both fractions actually lies somewhere in between.
SL = Screening Level
SFBRWQCB = San Francisco Bay Regional Water Quality Control Board
USEPA = United States Environmental Protection Agency

Table 8-5
TPH Results in Groundwater

		TPH as Gasoline	TPH as Diesel (C13-C28)	TPH as Oil (C29-C44)
	Units:	ug/L	mg/L	mg/L
	USEPA Method:	8015B	8015B	8015B
	SFBRWQCB ESL Groundwater Gross Contamination:	50,000	2.5	--
Sample Location ID	Date Sampled			
B-1	05/04/2023	<50	<0.44	**0.97 J**
B-2	05/04/2023	<50	**0.19**	**0.27 J**
B-3	05/04/2023	<50	<4.4	**11 J**
B-4	05/04/2023	<50	**4.6 J**	**11 J**

Notes:
Bold = Detected above laboratory reporting limit.
-- = Screening level not established.
<0.44 = concentration below stated laboratory reporting limit
(C13-C28) = Indicates carbon-chain number.

ESL = SFBRWQCB Environmental Screening Levels Workbook and Summary Tables 2019 Revision 2, July 25, 2019.

J = estimated concentration
mg/L = milligrams per liter
ug/L = micrograms per liter
SFBRWQCB = San Francisco Bay Regional Water Quality Control Board
TPH = total petroleum hydrocarbons
USEPA = United States Environmental Protection Agency
Highlighted Value = indicates exceedance of screening level

\\azrgisstorp03\GIS_Projects\Client\Port_of_San_Diego\20210261_PortofSanDiegoAPRX_MXD\20210261_011\20210261_Site1.mxd

Service Layer Credits: © 2023 Microsoft Corporation © 2023 Maxar ©CNES (2023) Distribution Airbus DS

0 75 150 300 Feet

KLEINFELDER
Bright People. Right Solutions.
www.kleinfelder.com

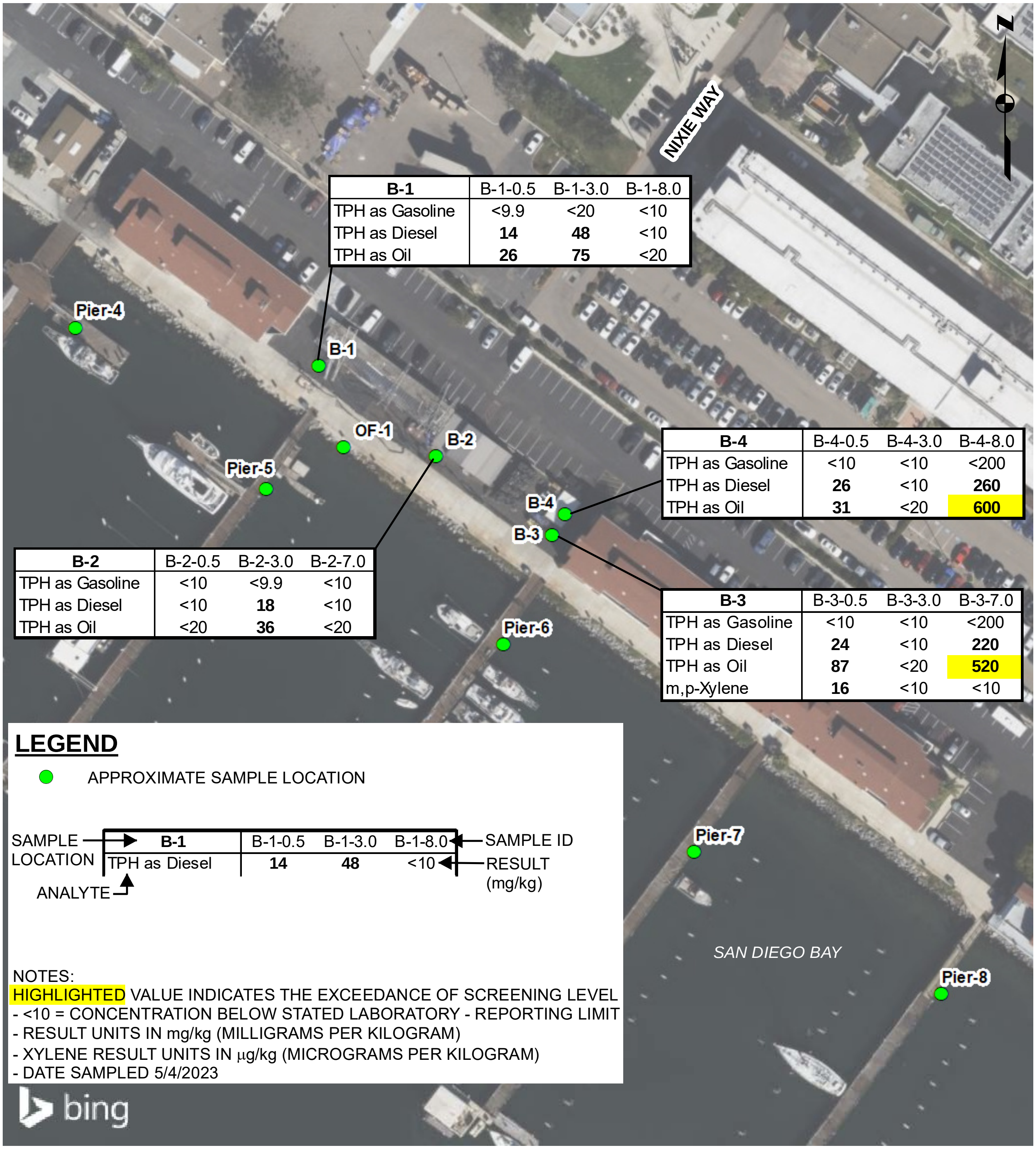
PROJECT NO.	20210261
DRAWN:	9/29/2023
DRAWN BY:	JP
CHECKED BY:	CN
FILE NAME:	20210261_Site1.mxd

SAMPLING LOCATIONS AND RECOGNIZED ENVIRONMENTAL CONDITIONS LOCATIONS MAP

LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT
4900-4930 NORTH HARBOR DRIVE
PORT OF SAN DIEGO
SAN DIEGO, CALIFORNIA

FIGURE

2



B-1	B-1-0.5	B-1-3.0	B-1-8.0
TPH as Gasoline	<9.9	<20	<10
TPH as Diesel	**14**	**48**	<10
TPH as Oil	**26**	**75**	<20

B-2	B-2-0.5	B-2-3.0	B-2-7.0
TPH as Gasoline	<10	<9.9	<10
TPH as Diesel	<10	**18**	<10
TPH as Oil	<20	**36**	<20

B-4	B-4-0.5	B-4-3.0	B-4-8.0
TPH as Gasoline	<10	<10	<200
TPH as Diesel	**26**	<10	**260**
TPH as Oil	**31**	<20	**600**

B-3	B-3-0.5	B-3-3.0	B-3-7.0
TPH as Gasoline	<10	<10	<200
TPH as Diesel	**24**	<10	**220**
TPH as Oil	**87**	<20	**520**
m,p-Xylene	**16**	<10	<10

LEGEND

APPROXIMATE SAMPLE LOCATION

SAMPLE LOCATION → B-1; SAMPLE ID ← B-1-0.5, B-1-3.0, B-1-8.0

B-1	B-1-0.5	B-1-3.0	B-1-8.0
TPH as Diesel	**14**	**48**	<10

ANALYTE ↑ TPH as Diesel; RESULT (mg/kg) ← <10

NOTES:
HIGHLIGHTED VALUE INDICATES THE EXCEEDANCE OF SCREENING LEVEL
- <10 = CONCENTRATION BELOW STATED LABORATORY - REPORTING LIMIT
- RESULT UNITS IN mg/kg (MILLIGRAMS PER KILOGRAM)
- XYLENE RESULT UNITS IN µg/kg (MICROGRAMS PER KILOGRAM)
- DATE SAMPLED 5/4/2023

0 50 100 200 Feet

G:\Client\Port_of_San_Diego\20210261_PortofSanDiego\APRX_MXD\20210261_011\20210261_TPHsoil.mxd

KLEINFELDER
Bright People. Right Solutions.
www.kleinfelder.com

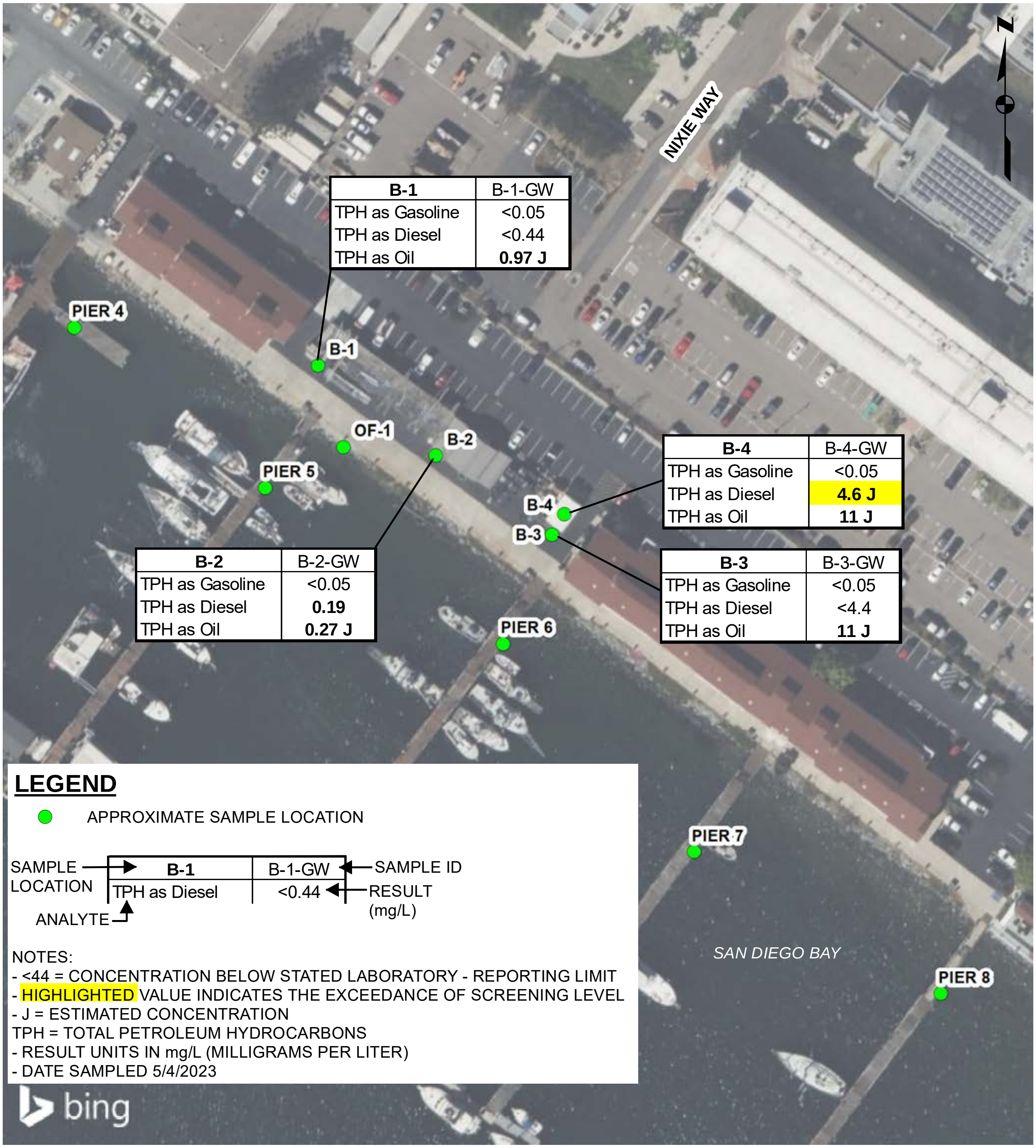
PROJECT NO.	20210261
DRAWN:	5/6/2025
DRAWN BY:	JP/RA
CHECKED BY:	CN
FILE NAME:	20210261_TPHsoil.mxd

TPH AND VOC RESULTS IN SOIL

LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT
4900-4930 NORTH HARBOR DRIVE
PORT OF SAN DIEGO
SAN DIEGO, CALIFORNIA

FIGURE

4



The information included on this graphic representation has been compiled from a variety of sources and is subject to change without notice. Kleinfelder makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information. This document is not intended for use as a land survey product nor is it designed or intended as a construction design document. The use or misuse of the information contained on this graphic representation is at the sole risk of the party using or misusing the information.

Service Layer Credits: © 2023 Microsoft Corporation © 2023 Maxar ©CNES (2023) Distribution Airbus DS

0 50 100 200 Feet

KLEINFELDER
Bright People. Right Solutions.
www.kleinfelder.com

PROJECT NO.	20210261
DRAWN:	12/26/2023
DRAWN BY:	JP
CHECKED BY:	CN
FILE NAME:	20210261_TPH_gw.mxd

TPH RESULTS IN GROUNDWATER

LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT
4900-4930 NORTH HARBOR DRIVE
PORT OF SAN DIEGO
SAN DIEGO, CALIFORNIA

FIGURE
6

\\azrgisstorp03\GIS_Projects\Client\Port_of_San_Diego\20210261_PortofSanDiego\APRX_MXD\20210261_011\20210261_TPH_gw.mxd

PRELIMINARY CONCEPTUAL SITE MODEL REPORT
BAYSIDE IMPACTS
4900-4930 NORTH HARBOR DRIVE
SAN DIEGO, CALIFORNIA 92106
KLEINFELDER PROJECT NO. 20210261.011A
GEOTRACKER GLOBAL ID T10000022442

MAY 9, 2025

KLEINFELDER
Bright People. Right Solutions.

A Report Prepared for:

Mr. George Liddle
Senior Environmental Specialist, Environmental Protection
San Diego Unified Port District
3165 Pacific Highway
San Diego, California 92101

PRELIMINARY CONCEPTUAL SITE MODEL REPORT – BAYSIDE IMPACTS
4900-4930 NORTH HARBOR DRIVE
SAN DIEGO, CALIFORNIA 92106
GEOTRACKER GLOBAL ID T10000022442

Prepared by:

PROFESSIONAL GEOLOGIST
JAKE D. LIPPMAN
No. 1028
CERTIFIED
HYDROGEOLOGIST
Exp. 05/31/2025
STATE OF CALIFORNIA

Jake Lippman, PG 9127, CHg 1028
Project Manager

Reviewed by:

REGISTERED PROFESSIONAL ENGINEER
WILLIAM D. GOLIGHTLY
No. C58959
EXP. 6/30/25
CIVIL
STATE OF CALIFORNIA

William D. Golightly, PE 58959
Vice President, Project Management

KLEINFELDER
770 First Avenue, Suite 400
San Diego, California 92101
Phone: 619.831.4600

May 9, 2025
Kleinfelder Project No. 20210261.011A

TABLE OF CONTENTS

ABBREVIATIONS AND ACRONYMS

Bay	San Diego Bay
CSM	Conceptual Site Model
District	San Diego Unified Port District
ERL	Effects-Range Low
ERM	Effects-Range Medium
mg/kg	milligram per kilogram
SDRWQCB	San Diego Regional Water Quality Control Board

1 INTRODUCTION

On behalf of the San Diego Unified Port District (District), Kleinfelder has prepared this *Preliminary Conceptual Site Model Report – Bayside Impacts* for 4900-4930 North Harbor Drive, San Diego, California (the Site; Figures 1 and 2). This report was prepared pursuant to Task Authorization No. 11, dated October 4, 2022, under the As-Needed Environmental Investigation Services Agreement No. 20-2020MA between Kleinfelder and the District.

To evaluate existing conditions of the Site, the District requested Kleinfelder to conduct a Phase I Environmental Site Assessment (Kleinfelder, 2022). Based on the findings of the Phase I Environmental Site Assessment, the District requested Kleinfelder to evaluate select Recognized Environmental Conditions as part of a Limited Phase II Environmental Site Assessment (Kleinfelder, 2023). These reports were submitted to the San Diego Regional Water Quality Control Board (SDRWQCB) for review. Based on the SDRWQCB's review, the SDRWQCB opened GeoTracker case (Global ID T10000022442) and requested that a Preliminary Conceptual Site Model (CSM) Report be prepared for the Site (SDRWQCB, 2025).

To facilitate assessment of landside versus Bayside areas, the District is submitting separate Preliminary CSM Reports for landside and Bayside impacts. The Preliminary CSM for Bayside impacts, presented herein, includes a graphical illustration of sources of contamination and transport pathways (Figure 2), a flow chart showing sources of contamination, release mechanisms, and sensitive receptors (Figure 3), and a discussion of data gaps associated with our understanding of sources and the nature and extent of contamination at the Site.

2 PRELIMINARY CONCEPTUAL SITE MODEL

Based on the results of the Limited Phase II Environmental Site Assessment (Kleinfelder, 2023) a graphical illustration of the preliminary CSM (Figure 2) and a preliminary sensitive receptor flow chart (Figure 3) has been prepared for Bayside impacts at the Site.

2.1 PRELIMINARY CONCEPTUAL SITE MODEL ILLUSTRATION

The preliminary CSM illustration presented on Figure 2 identifies sources of Bayside contamination and transport pathways of contamination through the environment at the Site. The following is a summary of the preliminary CSM illustration for Bayside impacts.

Results from the Limited Phase II ESA (Kleinfelder, 2023) indicate that the uppermost Bay sediment on the Site has been impacted by copper, mercury, nickel, lead, and zinc. Select figures and tables of analytical results from the Limited Phase II ESA are included in Appendix A of this report. Maximum concentrations of these constituents were detected as follows: copper at 170 milligrams per kilogram (mg/kg), mercury at 0.70 mg/kg, nickel at 25 mg/kg, lead at 49 mg/kg, and zinc at 170 mg/kg. Each of these metals exceeded the Effects-Range Low (ERL) threshold for adverse biological effects in a marine environment (Long et al., 1995). Potential sources of metals contamination to Bay sediment at the Site are summarized below.

Paint on Moored Boat Hulls/Overwater Maintenance

As part of the Limited Phase II ESA, one sample of surficial sediment was collected off of each of the five on-Site piers, in the immediate vicinity of areas heavily frequented by boats (Kleinfelder, 2023). Each of these five samples exceeded the respective ERLs for copper and for mercury. Three samples also exceeded the ERL for zinc, and one of these also exceeded the ERL for nickel. There were no exceedances of any ERMs. The site has been used for commercial fishing boat mooring since at least 1992. Hull paints are known to contain metals, and these constituents from painted boat hulls have been shown to impact Bay sediment (Conway and Locke, 1994). Paint on moored boat hulls and overwater maintenance activities at the Site have likely impacted Bay sediments (depicted as No. 1 on Figure 2).

Upland Sources

As part of the Phase II ESA, one sample of surficial sediments (sample OF-1) was collected immediately in front of an on-site storm drain outfall (Kleinfelder, 2023). Copper and lead concentrations in this sample exceeded their respective ERLs, but did not exceed their respective ERMs. This was the only sample of surficial sediments that exceeded the lead ERL, it contained the lowest copper concentration of any of the sediment samples, and it was the only sample that did not exceed the mercury ERL. Taken together, these differences suggest that sample OF-1 may represent a somewhat different condition than the other sediment samples, likely associated with its proximity to the on-Site storm drain outfall. Upland sources have likely impacted Bay sediments via stormwater runoff conveyed through the storm drain system and discharged to the Bay from the on-Site outfall. Three catch basins (inlets) drain the Site and discharge into the Bay via the on-Site outfall (No. 2A on Figure 2). The system also includes a storm drain pipeline coming from the adjacent and further upland Naval Base Point Loma military facility (No. 2B on Figure 2). In addition to contributions from these system-specific upland sources, other upland sources associated with urban environments (No. 2C on Figure 2) may contribute to the system, and include automobile brake dust/exhaust, degraded building paint, and degraded galvanized steel (Pitt et. al, 2005 and Weston Solutions, 2009).

2.2 PRELIMINARY SENSITIVE RECEPTOR FLOW CHART

The preliminary sensitive receptor flow chart presented on Figure 3 identifies sources of contamination, the release mechanisms from these sources to the environment, and exposure routes of contamination to sensitive receptors. The following is a summary of the sensitive receptor flow chart for Bayside impacts.

Paint on Moored Boat Hulls/Overwater Maintenance

Degradation of paint from on-site moored boat hulls, hull cleaning, and discharges from overwater maintenance introduce chemicals into Bay water. Some of these result in dissolved-phase discharges, with subsequent adsorption onto Bay sediment, while others discharge particles into the water column, where they settle out and impact Bay sediments. Impacted Bay sediments create a potentially complete exposure pathway to Bay organisms via ingestion or dermal contact. Dissolved-phase discharges that do not subsequently adsorb onto Bay sediments create a potentially complete exposure pathway to Bay organisms via ingestion, dermal contact, or adsorption through the gills.

Upland Sources

Upland sources from on-site and in the vicinity of the Site have been entrained in stormwater runoff, conveyed via the storm drain system, and discharged to the Bay, impacting Bay water and Bay sediment. Impacted Bay sediments create a potentially complete exposure pathway to Bay organisms via ingestion or dermal contact. Dissolved-phase discharges that do not subsequently adsorb onto Bay sediments create a potentially complete exposure pathway to Bay organisms via ingestion, dermal contact, or adsorption through the gills.

3 DATA GAPS

This section describes current data gaps associated with Bayside contamination at the Site. The data gaps identified are highlighted on the sensitive receptor flow chart (Figure 3).

3.1 SOURCE IDENTIFICATION

Paint on Moored Boat Hulls/Overwater Maintenance

Paint on moored boat hulls/overwater maintenance is a known primary source, therefore, no data gaps were identified.

Upland Sources

Upland sources are known primary sources, therefore, no data gaps were identified.

3.2 RELEASE MECHANISMS

Paint on Moored Boat Hulls/Overwater Maintenance

The extent of degradation and leaching of metals from hull paints and the amount of hull cleaning and overwater maintenance discharging into the Bay are unknown.

Upland Sources

The amount of upland sources present on the land surface and available to be entrained in stormwater runoff is unknown. Discharge volumes and concentrations of chemicals and particulate matter in stormwater runoff at the Site are unknown.

3.3 NATURE AND EXTENT OF CONTAMINATION

Metals contamination has been detected in the uppermost Bay sediment on the Site, however, the overall lateral and vertical extent of contamination is not delineated. The relative contributions from identified sources are not understood. Bay water likely acts as a transport medium, carrying contaminants in dissolved-phase and as particulates from the identified sources to the surficial sediments. However, because Bay water has not been sampled at the Site, the nature and extent of dissolved chemicals and impacted particulate matter in Bay water at the Site are unknown.

Paint on Moored Boat Hulls/Overwater Maintenance

Leaching of metals from boat hull paints, hull cleaning, and overwater maintenance activities at the Site have likely impacted Bay sediments. These impacts appear to be relatively similar laterally across the sediment samples collected from alongside the piers, and the influence of these impacts appears reduced in the immediate vicinity of the storm drain outfall, as represented by sample OF-1, but the full lateral and vertical extents of these impacts are not understood.

Upland Sources

Stormwater runoff has likely impacted Bay sediments. The lateral extent where stormwater runoff impacts on Bay sediment are dominant appears limited by sample Pier 5, but the vertical extent is not understood.

3.4 THREATS TO SAN DIEGO BAY

Paint on Moored Boat Hulls/Overwater Maintenance

Bay sediment contamination has been detected adjacent to the piers, at concentrations in excess of ERLs, but not above ERMs; therefore, there is a possibility that Bay organisms are affected by contamination identified in sediments.

Upland Sources

Bay sediment contamination has been detected directly in front of the storm drain outfall, at concentrations in excess of ERLs, but not above ERMs; therefore, there is a possibility that Bay organisms are affected by contamination identified in sediments.

3.5 SUMMARY OF DATA GAPS

This preliminary CSM report has identified the following investigative data gaps in association with contamination at the Site:

1. The nature and extent (lateral and vertical extent) of sediment contamination is unknown.
2. The relative contributions to sediment contamination from paint on moored boats/overwater maintenance and upland sources is unknown.

4 LIMITATIONS

This report was prepared in a manner consistent with that level of care and skill ordinarily exercised by other members of Kleinfelder’s profession practicing in the same locality, under similar conditions and at the date the services are provided. Our conclusions, opinions and recommendations are based on a limited number of observations and data. It is possible that conditions could vary between or beyond the data evaluated. Kleinfelder makes no other representation, guarantee or warranty, express or implied, regarding the services, communication (oral or written), report, opinion, or instrument of service provided.

This report may be used only by the District and the registered design professional in responsible charge, and the San Diego Regional Water Quality Control Board, and only for the purposes stated for this specific engagement within a reasonable time from its issuance, but in no event later than two (2) years from the date of the report.

Kleinfelder offers various levels of investigative and engineering services to suit the varying needs of different clients. It should be recognized that definition and evaluation of geologic and environmental conditions are a difficult and inexact science. Judgments leading to conclusions and recommendations are generally made with incomplete knowledge of the subsurface conditions present due to the limitations of data from field studies. Although risk can never be eliminated, more-detailed and extensive studies yield more information, which may help understand and manage the level of risk. Since detailed study and analysis involves greater expense, our clients participate in determining levels of service that provide adequate information for their purposes at acceptable levels of risk. More extensive studies, including subsurface studies or field tests, should be performed to reduce uncertainties. Acceptance of this report will indicate that the District has reviewed the document and determined that it does not need or want a greater level of service than provided.

The information included on graphic representations in this report has been compiled from a variety of sources and is subject to change without notice. Kleinfelder makes no representations or warranties, express or implied, as to the accuracy, completeness, timeliness, or rights to the use of such information. These documents are not intended for use as a land survey product nor are they designed or intended as a construction document. The use or misuse of the information contained on these graphic representations is at the sole risk of the party using or misusing the information.

5 REFERENCES

Conway, John B. and Loren P. Locke, 1994. *A Final Report on Marine Fouling and Underwater Hull Cleaning in San Diego Bay*, prepared for the California Regional Water Quality Control Board, San Diego Region.

Kleinfelder, 2019. *America's Cup Harbor Historical Assessment*, San Diego, California, March 21.

Kleinfelder, 2022. *Phase I Environmental Site Assessment, 4900-4930 North Harbor Drive, San Diego, California 92106*, December 21.

Kleinfelder, 2023. *Limited Phase II Environmental Site Assessment Work Plan, 4900-4930 North Harbor Drive, San Diego, California 92106*, January 18.

Long et al., 1995. *Incidence of Adverse Biological Effects Within Ranges of Chemical Concentrations in Marine and Estuarine Sediments*, Environmental Management, Vol. 19, No. 1.

Pitt et al., 2005. *Sources of Pollutants in Urban Areas*, Journal of Water Management Modeling, January.

San Diego Regional Water Quality Control Board (SDRWQCB), 2025. *Phase I and II Environmental Site Assessments – Driscoll's Wharf 4900-4930 North Harbor Drive, San Diego, California (Site IDs #2090129 [Driscoll Marina Ltd.] and #2090130 [San Diego Unified Port District])*, March 10.

Weston Solutions, Inc., 2009. *City of San Diego Aerial Deposition Study, Phase II*, *Final Report*, March 23.

FIGURES

The information included on this graphic representation has been compiled from a variety of sources and is subject to change without notice. Kleinfelder makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information. This document is not intended for use as a land survey product nor is it designed or intended as a construction design document. The use or misuse of the information contained on this graphic representation is at the sole risk of the party using or misusing the information.

KLEINFELDER
Bright People. Right Solutions.

PROJECT:	20210261.011A
DRAWN:	APR 2025
DRAWN BY:	KFH
CHECKED BY:	JL
FILE NAME:	CSM_Bay_F1.pagx

SITE LOCATION MAP

PRELIMINARY CSM REPORT -BAYSIDE IMPACTS
DRISCOLL'S WHARF
4900-4930 NORTH HARBOR DRIVE
SAN DIEGO, CALIFORNIA

FIGURE
1

PLOTTED: 4/18/2025 5:28 PM, KHagan

FILE: \\azrgisstorp03\GIS_Projects\Client\Port_of_San_Diego\20210261.011A-DriscollsWharf\DriscollsWharf.aprx

1 – Paint Degradation and Direct Discharges to Bay
2A – Entrainment of Contaminants from Site Sources in Stormwater Runoff
2B – Entrainment of Contaminants from Naval Base Point Loma Sources in Stormwater Runoff
2C – Entrainment of Contaminants from Nearby Urban Environment Sources in Stormwater Runoff
3 – Transport of Impacted Runoff Through Storm Drain
4 – Discharge of Impacted Stormwater Runoff to Bay

KLEINFELDER
Bright People. Right Solutions.

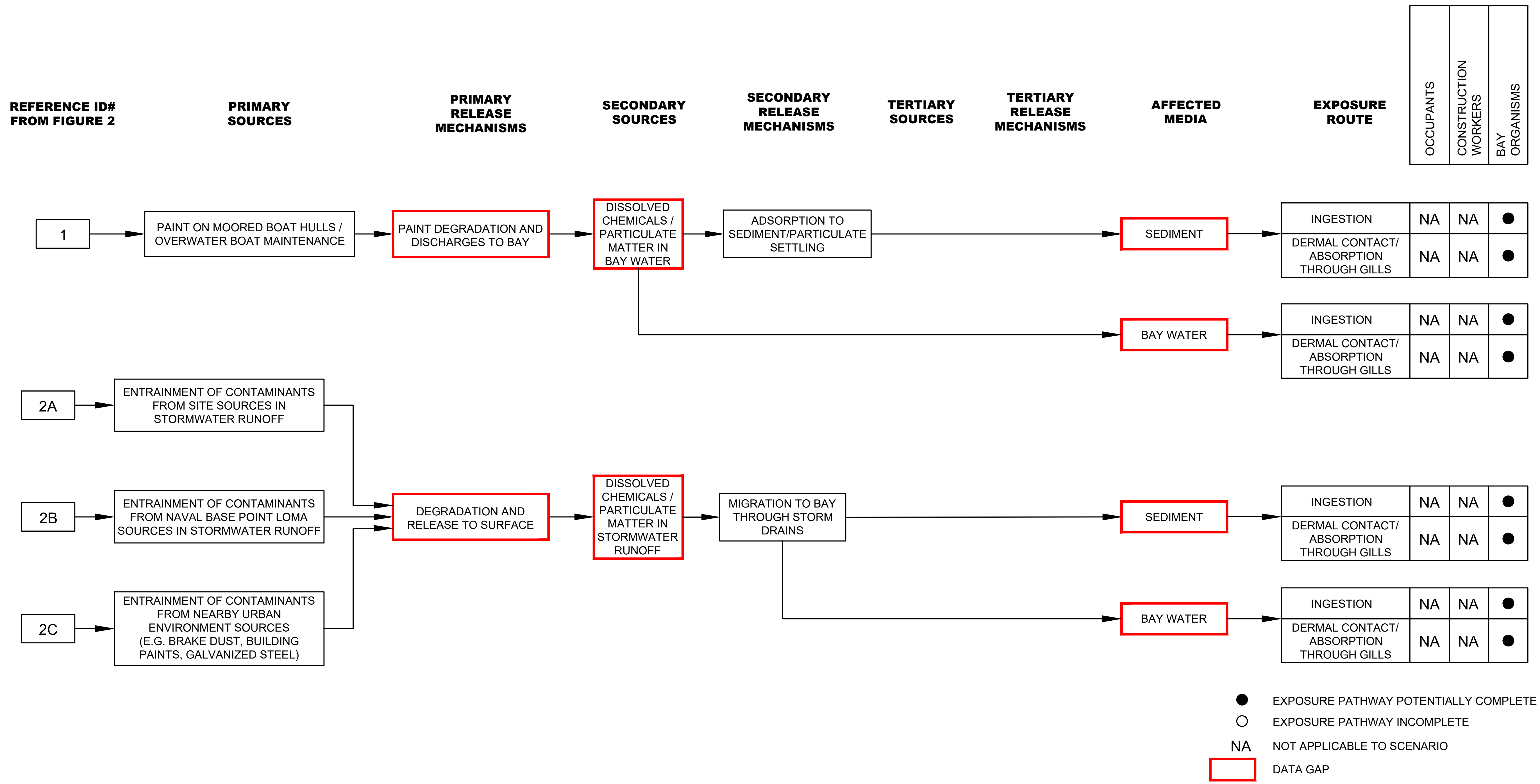
PROJECT:	20210261.011A
DRAWN:	MAY 2025
DRAWN BY:	KFH/RA
CHECKED BY:	JL
FILE NAME:	CSM_Bay_F2.pagx

PRELIMINARY CSM - BAYSIDE IMPACTS

PRELIMINARY CSM REPORT - BAYSIDE IMPACTS
DRISCOLL'S WHARF
4900-4930 NORTH HARBOR DRIVE
SAN DIEGO, CALIFORNIA

FIGURE
2

PLOTTED: 5/9/2025 9:15 AM, RAlvarez
FILE: \\azrgisstorp03\GIS_Projects\Client\Port_of_San_Diego\20210261.011A-DriscollsWharf\DriscollsWharf.aprx



The information included on this graphic representation has been compiled from a variety of sources and is subject to change without notice. Kleinfelder makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information. This document is not intended for use as a land survey product nor is it designed or intended as a construction design document. The use or misuse of the information contained on this graphic representation is at the sole risk of the party using or misusing the information.

KLEINFELDER
Bright People. Right Solutions.

PROJ: 20210261.011A
DRAWN BY: KFH
CHECKED BY: JL
DATE: APR 2025
REVISED: -

SENSITIVE RECEPTOR FLOW CHART - BAYSIDE IMPACTS

PRELIMINARY CSM REPORT - BAYSIDE IMPACTS
DRISCOLL'S WHARF
4900-4930 NORTH HARBOR DRIVE
SAN DIEGO, CALIFORNIA

FIGURE
3

CAD FILE: \\azrgisstorp03\GIS_Projects\Client\Port_of_San_Diego\20210261.011A-DriscollsWharf\CAD\20210261.011.5_Driscoll_CSM.dwg LAYOUT: 3 Bay PLOTTED: 5/9/2025 8:39 AM BY: dean fahrney

APPENDIX A
SELECT FIGURES AND TABLES FROM KLEINFELDER'S 2023 LIMITED PHASE II ESA

Table 8-3
Metals Results in Surficial Sediment

		Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
	Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	USEPA Method:	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	6010B	7471A	6010B	6010B	6010B	6010B	6010B	6010B	6010B
	Effects Range Low*	NL	8.2	NL	NL	1.2	81	NL	34	46.7	0.15	NL	20.9	NL	1.0	NL	NL	150
	Effects Range Medium*	NL	70	NL	NL	9.6	370	NL	270	218	0.71	NL	51.6	NL	3.7	NL	NL	410
Sample Location ID	**Date Sampled**																	
Pier 4	05/05/2023	<2.9	**3.9**	**35**	<0.49	<0.49	**57**	**3.5**	**170**	**35**	**0.67**	**3.9**	**25**	<2.9	<0.49	<2.9	**28**	**170**
Pier 5	05/05/2023	<2.9	**4.7**	**46**	<0.48	<0.48	**30**	**3.5**	**150**	**34**	**0.7**	**1.6**	**8.1**	<2.9	<0.48	<2.9	**33**	**150**
Pier 6	05/05/2023	<2.9	**4.8**	**46**	<0.49	<0.49	**32**	**3.9**	**160**	**36**	**0.63**	**1.3**	**8.1**	<2.9	<0.49	<2.9	**37**	**160**
Pier 7	05/05/2023	<2.9	**4.4**	**42**	<0.48	<0.48	**25**	**3.3**	**110**	**25**	**0.44**	**1.2**	**7**	<2.9	<0.48	<2.9	**32**	**140**
Pier 8	05/05/2023	<2.9	**2.6**	**22**	<0.48	<0.48	**11**	**1.7**	**61**	**15**	**0.26**	<0.95	**3.1**	<2.9	<0.48	<2.9	**16**	**67**
OF-1	05/04/2023	<2.9	**4.6**	**160**	<0.49	<0.49	**19**	**3.2**	**59**	**49**	<0.15	<0.98	**8.1**	<2.9	<0.49	<2.9	**19**	**100**

Notes:
All samples are grab samples of surficial (0-0.5 feet) sediment
* = Screening levels based on Table 3 from Long et al., 1995.
Bold = Detected above laboratory reporting limit.
<2.9 = Concentration below stated laboratory reporting limit.
Highlighted Value = indicates exceedance of screening level
mg/kg = milligrams per kilogram
NL = Screening level not listed.
USEPA = United States Environmental Protection Agency

Table 8-4
Organotin Results in Surficial Sediment

		Tributyltin	Dibutyltin	Monobutyltin
	Units:	µg/kg	µg/kg	µg/kg
	Method:	EC SOP-M422	EC SOP-M422	EC SOP-M422
	Effects Range Low*	NL	NL	NL
	Effects Range Medium*	NL	NL	NL
Sample Location ID	Date Sampled			
Pier 4	05/05/2023	<3.0	<3.0	<3.0
Pier 5	05/05/2023	<3.0	<3.0	<3.0
Pier 6	05/05/2023	<3.0	<3.0	<3.0
Pier 7	05/05/2023	<3.0	**4.9**	<3.0
Pier 8	05/05/2023	**4.4**	<3.0	<3.0
OF-1	5/4/2023	**3.9**	**7.4**	<3.0

Notes:
All samples are grab samples of surficial (0-0.5 feet) sediment
* = Screening levels based on Table 3 from Long et al., 1995.
Bold = Detected above laboratory reporting limit.
<2.9 = Concentration below stated laboratory reporting limit.
EC SOP-M422 - Eurofins Calscience Standard Operating Procedure for analysis of organotins using GC/MS-SIM.
GC/MS-SIM = Gas chromatography/mass spectrometry-selective ion monitoring
NL = Screening level not listed.
µg/kg = mirograms per kilogram

LEGEND

APPROXIMATE SAMPLE LOCATION (RECOGNIZED ENVIRONMENTAL CONDITION ID)

KLEINFELDER
Bright People. Right Solutions.
www.kleinfelder.com

PROJECT NO.	20210261
DRAWN:	9/29/2023
DRAWN BY:	JP
CHECKED BY:	CN
FILE NAME:	20210261_Site1.mxd

SAMPLING LOCATIONS AND RECOGNIZED ENVIRONMENTAL CONDITIONS LOCATIONS MAP

LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT
4900-4930 NORTH HARBOR DRIVE
PORT OF SAN DIEGO
SAN DIEGO, CALIFORNIA

FIGURE

2

\\azrgisstorp03\GIS_Projects\Client\Port_of_San_Diego\20210261_PortofSanDiego\APRX_MXD\20210261_011\20210261_Site1.mxd

Service Layer Credits: © 2023 Microsoft Corporation © 2023 Maxar ©CNES (2023) Distribution Airbus DS

\\azrgisstorp03\GIS_Projects\Client\Port_of_San_Diego\20210261_PortofSanDiego\APRX_MXD\20210261_011\20210261_Site2.mxd

KLEINFELDER
Bright People. Right Solutions.
www.kleinfelder.com

PROJECT NO. 20210261	**STORM DRAINS AND WASTE OIL TANK SURVEY AREA**		FIGURE
DRAWN: 12/27/2023			
DRAWN BY: JP/RA			**3**
CHECKED BY: CN	LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT 4900-4930 NORTH HARBOR DRIVE PORT OF SAN DIEGO SAN DIEGO, CALIFORNIA		
FILE NAME: 20210261_Site2.mxd			

LEGEND

● APPROXIMATE SAMPLE LOCATION

SAMPLE LOCATION → PIER 4 | PIER4-050523 ← SAMPLE ID

ANALYTE → Copper | 170 ← RESULT (mg/kg)

PIER 4	PIER4-050523
Copper	170
Lead	35
Mercury	0.67
Nickel	25
Zinc	170

OF-1	OF-1
Copper	59
Lead	49
Mercury	<0.15
Nickel	8.1
Zinc	100

PIER 5	PIER5-050523
Copper	150
Lead	34
Mercury	0.70
Nickel	8.1
Zinc	150

PIER 6	PIER6-050523
Copper	160
Lead	36
Mercury	0.63
Nickel	8.1
Zinc	160

PIER 7	PIER7-050523
Copper	110
Lead	25
Mercury	0.44
Nickel	7.0
Zinc	140

PIER 8	PIER8-050523
Copper	61
Lead	15
Mercury	0.26
Nickel	3.1
Zinc	67

NOTES:
- <2.9 = CONCENTRATION BELOW STATED LABORATORY - REPORTING LIMIT
- HIGHLIGHTED = INDICATES EXCEEDANCE OF ERL BUT LOWER THAN ERM
- RESULT UNITS IN mg/kg (MILLIGRAMS PER KILOGRAM)
- DATE SAMPLED 5/5/2023

N

0 50 100 200 Feet

KLEINFELDER
Bright People. Right Solutions.
www.kleinfelder.com

PROJECT NO.	20210261
DRAWN:	9/29/2023
DRAWN BY:	JP
CHECKED BY:	CN
FILE NAME:	20210261_MetalsSed.mxd

METALS RESULTS THAT EXCEED ERLs IN SEDIMENT

LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT
4900-4930 NORTH HARBOR DRIVE
PORT OF SAN DIEGO
SAN DIEGO, CALIFORNIA

FIGURE
5

\\azrgisstorp03\GIS_Projects\Client\Port_of_San_Diego\20210261_PortofSanDiego\APRX_MXD\20210261_011\20210261_MetalsSed.mxd

Appendix J

Coastal Hazards Assessment

Shelter Island Commercial Fishing Wharf Redevelopment Project

Coastal Hazards Assessment

Prepared for: Ascent Environmental and the Port of San Diego

21 May 2025

→ The Power of Commitment

Contents

Table Index

Figure Index

Appendices

1. Introduction

The Shelter Island Commercial Fishing Wharf leasehold is located within Port tidelands in San Diego Bay (Bay) at 4918 North Harbor Drive (Figure 1). The site is within the Port's Shelter Island Planning District.

The Shelter Island Commercial Fishing Wharf Redevelopment Project (Project) proposes the removal of the existing fish offloading pier, four floating docks, and four accessways to accommodate the development of a new pier and dock configuration. The new configuration includes four floating docks and gangway access points, construction of a new pile-supported pier, and construction of a floating wave attenuator (Figure 2). The proposed Project features were grouped into fixed and floating categories for this assessment due to having similar vulnerabilities and adaptation options. These Project features are further described below:

- Fixed Structures
    - Construction of new, pile-supported pier (2,800 sq. ft.) on 14 concrete piles. The deck elevation of Pier 4 is yet to be determined per the plans, but was assumed to be 10.07 ft (NAVD88) as directed by the project engineer. This structure will feature a jib crane and lighting.
    - Construction of four new concrete accessway platforms with a top elevation of 10.07 ft (NAVD88) and 15 new piles. These platforms connect the proposed gangways and loading ramp to Regatta Walk.
- Floating Structures
    - Installation of four new floating docks connected by a main walk with seventy-four new guide piles. Floating docks were designed to have 1.5 ft of freeboard and will feature lighting powered by cables fed through conduit in a pull box under the decks.
    - Installation of three new gangways and one loading ramp to access floating docks.
    - Installation of one 270 foot-long floating wave attenuator with 30 guide piles. The wave attenuator is roughly intended to provide approximately 30 percent attenuation on a design wave height and was designed to have 1.75 ft of freeboard. This structure will also feature lighting powered by cables fed through conduit in a pull box under the deck.

Though the Project does not propose any improvements to the adjacent Regatta Walk, it was included in the assessment due the importance of its connection with the improvements. No topographic survey has been performed yet as part of the engineering design. Landside buildings and a surface parking lot exist north of Regatta Walk, but no improvements are proposed for these structures so they were not included in this assessment.

The goal of this study is to assess the potential current and future coastal hazard vulnerabilities, specifically associated with sea level rise (SLR), across all the Project structures' projected lifespans (i.e. 50 years). Our understanding is that the Project requires this assessment for its CEQA review to determine if the Project may exacerbate SLR impacts in the area and whether adaptation measures are necessary mitigate any potential impacts. This analysis was performed consistent with the California Coastal Commission's (CCC) Update to the Sea Level Rise Policy Guidance (CCC 2024) as well as the recently adopted State of California Sea Level Rise Guidance: 2024 Science and Policy Update (OPC 2024).

Figure 1. Project Location

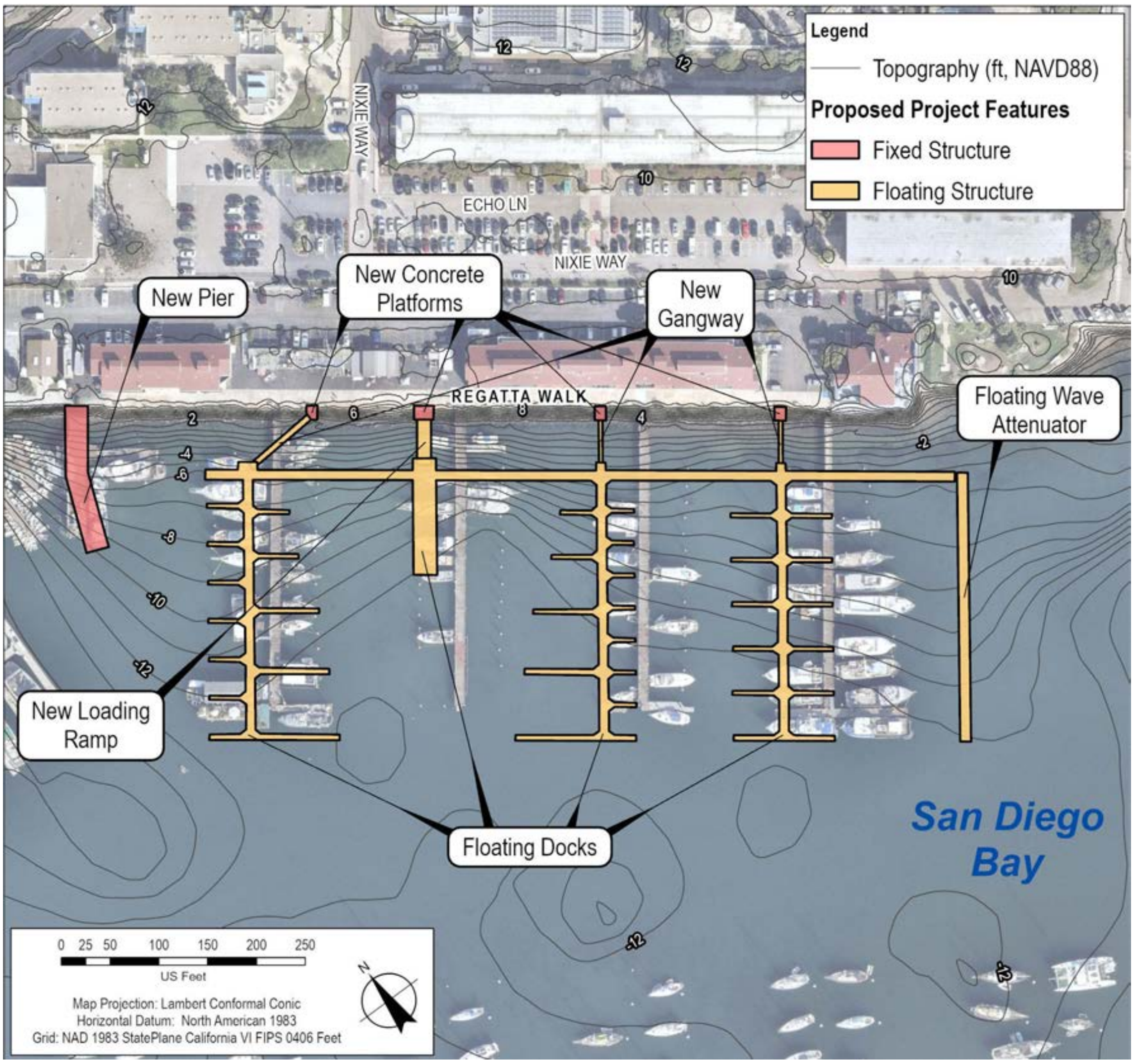


Figure 2. Proposed Project Features

1.1 Scope of Work

The scope of this assessment is as follows:

1. Prepare the Coastal Hazards Assessment in accordance with the California Coastal Commission (CCC) Sea-Level Rise (SLR) Policy Guidance, as well as the recently adopted State of California Sea Level Rise Guidance: 2024 Science and Policy Update from the Ocean Protection Council (OPC).
2. Coastal hazards, such as flooding, will be evaluated for each of the selected SLR scenarios using existing regional and local studies.
3. Coastal hazard limits may be mapped and described for existing and projected future conditions which will include both day-to-day conditions (i.e., current and future tidal inundation) as well as extreme conditions (e.g., flooding associated with extreme tides and storm events).
4. Adaptation strategies or an adaptive pathway may be suggested based on the Project's sensitivity to coastal hazards and SLR to avoid or minimize impacts.

2. Background

2.1 Sea Level Rise

In November 2024, the California Coastal Commission (CCC) adopted the Sea Level Rise Policy Guidance 2024 Update that formally replaced the 2018 Sea Level Rise Policy Guidance. This 2024 update refers to the Ocean Protection Council's (OPC) recently adopted California Sea Level Rise Guidance: 2024 Science and Policy Update as the "best available science" on SLR projections in California. These projections are recommended by the CCC for planning, permitting, and other coastal management decisions.

Within this revised policy guidance, SLR projections are provided for 14 active tide gauges along the coast of California. This document formally replaced the pre-existing 2018 California Sea-Level Rise Guidance to reflect the previous five years of scientific research on SLR projections, including the IPCC's Sixth Assessment Report (2021) and NOAA's national report, Global and National Sea Level Rise Scenarios for the United States (Sweet et al. 2022). NOAA's 2022 report (Sweet et al. 2022) developed a set of five sea level scenarios for the U.S. with a range of plausible changes through 2150 based on the modelled projections in the IPCC AR6 (OPC 2024). The framework and approach for these five scenarios (Low, Intermediate-Low, Intermediate, Intermediate-High, and High) were adopted and regionalized to apply to California-specific scenarios. Unlike the OPC (2018) guidance that provided probabilistic projections corresponding with risk aversion scenarios, the scenarios under the 2024 Update span the plausible range of future SLR in consideration of emissions and global development futures and eliminate the need to select single emission futures for sea level planning (OPC 2024).

A notable advance in the update is the increased understanding of how low confidence processes (e.g., ice-shelf disintegration, marine ice-sheet-ice-cliff instability, and faster-than-projected changes in surface-mass balance) are anticipated to affect sea levels near the end of the century (OPC 2024). While this has allowed the H++ scenario to be determined as no longer physically realistic this Century, the other 2018 risk aversion scenarios are consistent with the OPC (2024) scenarios.

It is important to consider risk tolerance, risk aversion, and design life when evaluating SLR scenarios and the effects of SLR on various coastal hazards. The OPC defines risk tolerance as the level of comfort associated with the consequences of SLR and associated hazards in project planning and design whereas risk aversion is defined as the strong inclination to avoid taking risks in the face of uncertainty (OPC 2024). The OPC (2024) guidance recommends a precautionary approach, when feasible, through an evaluation of the Intermediate, Intermediate-High, and High scenarios to inform appropriate SLR planning and project decisions. These scenarios are defined below:

> **Intermediate Scenario:** The Intermediate scenario should be included in technical analyses for development with low risk aversion, i.e., development that would have limited consequences or a higher ability to adapt, such as some ancillary development or public access amenities. This scenario represents a reasonable estimate for the upper bound of the most likely sea level rise in 2100 (OPC 2024).
>
> **Intermediate-High Scenario:** The Intermediate-High scenario should be included in technical analyses for development with medium-high risk aversion, i.e., development that would experience greater consequences and/or have a lower ability to adapt, such as most residential and commercial structures. This scenario is representative of a world where rapid ice sheet loss processes contribute to SLR, associated with intermediate to high future emissions, and high warming (OPC 2024). This corresponds to scientific estimates for plausible high-end SLR projections by 2100.
>
> **High Scenario:** The High scenario should be included in technical analyses for development with extreme risk aversion, i.e., development with little to no adaptive capacity that would be irreversibly destroyed or significantly costly to repair, and/or would have considerable public health, public safety, or environmental impacts should that level of sea level rise occur, such as most critical infrastructure. This scenario is representative of rapid ice sheet loss processes due to high future emissions and high warming, and should be utilized with careful caution and consideration (OPC 2024). The large uncertainties and ambiguity associated with this scenario reflect a worst case toward 2100 and beyond. The likelihood of this occurrence is not possible to state, but it is based on a combination of high emissions and low confidence processes.

The appropriate SLR planning scenario for this Project is the Intermediate-High because it is a commercial structure that has a lower ability to adapt. The three scenarios selected for analysis within this study considered SLR projections for 2050, 2070, and 2100. These SLR projections for the San Diego Bay tide gauge are presented below in Table 1. Based on this 2100 planning horizon being utilized, approximately 95% of OPC's SLR projections across all planning scenarios are accounted for in this assessment, as shown in Figure 3. This would indicate that this assessment provides a thorough analysis of the most plausible SLR scenarios.

Table 1 Sea Level Rise Projections for San Diego Bay (OPC 2024)

	Sea Level Rise Planning Scenarios (ft)		
	Intermediate	Intermediate-High*	High
2030	0.4	**0.5**	0.5
2050	0.8	**1.1**	1.3
2070	1.4	**2.3**	3.0
2100	3.2	**4.9**	6.7

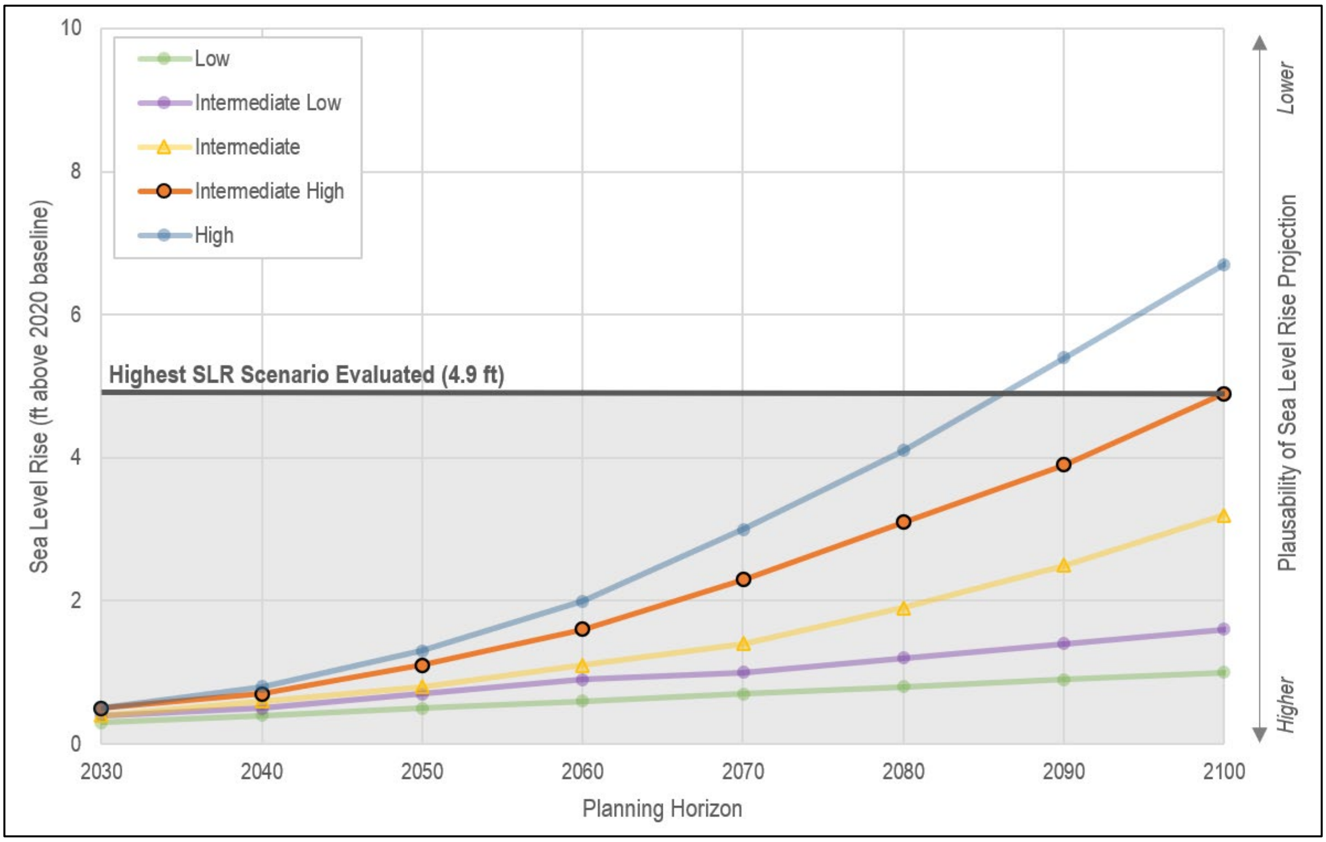


Figure 3. Sea Level Rise Projections, San Diego (OPC 2024)

2.2 Port of San Diego Sea Level Rise Vulnerability Assessment Review (2019)

Coastal flood hazards for the Project site were previously examined in the Port of San Diego Sea Level Rise Vulnerability Assessment and Coastal Resiliency Report (Port of San Diego 2019). This assessment was initially based on the 2018 SLR projections adopted by OPC, which have since been updated according to new science. This assessment did not specifically evaluate SLR impacts to marine structures such as the existing gangways, fish offloading pier, and floating docks at the Project site. However, the assessment determined that walkways and landside buildings are considered likely to be impacted by potential projected SLR inundation under normal tidal conditions at 4.9 ft of SLR (Port of San Diego 2019). The assessment had also evaluated the vulnerabilities of walkways and landside buildings to temporary coastal flooding from a 100-year storm event. These structures were projected to experience severe coastal flooding under this scenario with 4.9 ft of SLR in this assessment (Port of San Diego 2019).

This assessment provides a site-specific analysis that supersedes this prior Port-wide assessment as it analyses the area in greater detail and is based on the best-available SLR science.

2.3 USGS Coastal Storm Modeling System

A screening-level assessment of coastal hazards was also conducted of the Project site using the U.S. Geological Survey's (USGS) Coastal Storm Modeling System (CoSMoS). CoSMoS provides regional scale predictions of coastal hazards via an online mapping tool. The CoSMoS flood projections include various SLR scenarios as well as SLR coupled still water levels and storms, the intensity of which is designated by storm frequency (e.g., no storm, 100-yr storm). The estimated flood extents are based upon a minimum duration of flooding specified in the model simulations. Actual flooding may vary depending on the site topography, hydraulic connectivity and ecology (e.g., soil characteristics/permeability, vegetation, precipitation, fluvial forces, etc.).

CoSMoS results are provided for increments of 0.25 meters from 0 to 3 meters (9.8 ft), and an extreme scenario of 5 meters (16.4 ft). These scenarios allow the tool to be used independent of SLR science as it continues to evolve. The CoSMoS SLR scenarios most similar to the selected OPC projections for the Project are compared below in Table 2.

The CoSMoS flood potential extents for each of these scenarios for both daily tidal and 100-year storm events are provided in Figure 4 and Figure 5, respectively. These flood projections are typically utilized as a first order of analysis due to the regional scale of the model, which makes it difficult for it to resolve site-specific details. Based on the model outputs, the Regatta Walk would expect to experience flooding under a 100-year storm event with 2.5 ft of SLR. Since the Project entirely consists of overwater features, these flood projections do not contribute to the understanding of how the proposed structures may be exposed to flood hazards. However, CoSMoS was utilized to inform how access to these features could be impaired under this vulnerability assessment.

Table 2 OPC (2024) SLR Projections for San Diego Bay relative to CoSMoS

	OPC 2024 SLR Scenario (Intermediate-High)	Relevant CoSMoS Scenarios
2050	1.1	0.8
2070	2.3	2.5
2100	4.9	4.9

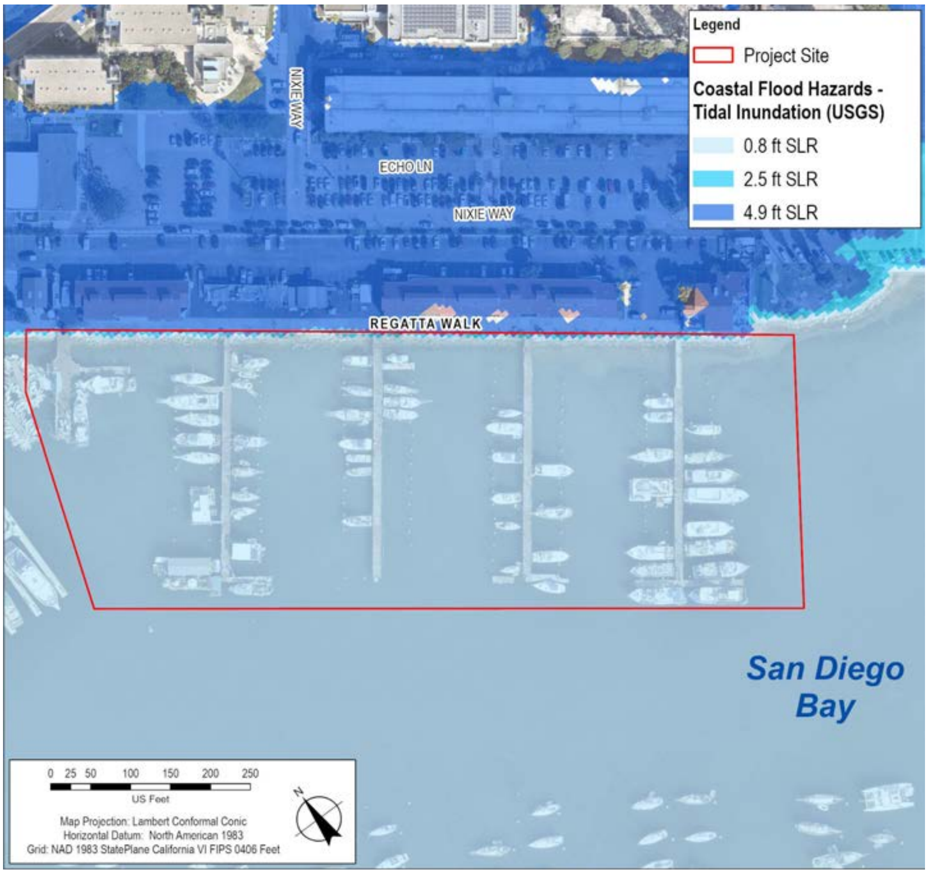


Figure 4. USGS CoSMoS flood projections under daily tidal conditions with SLR

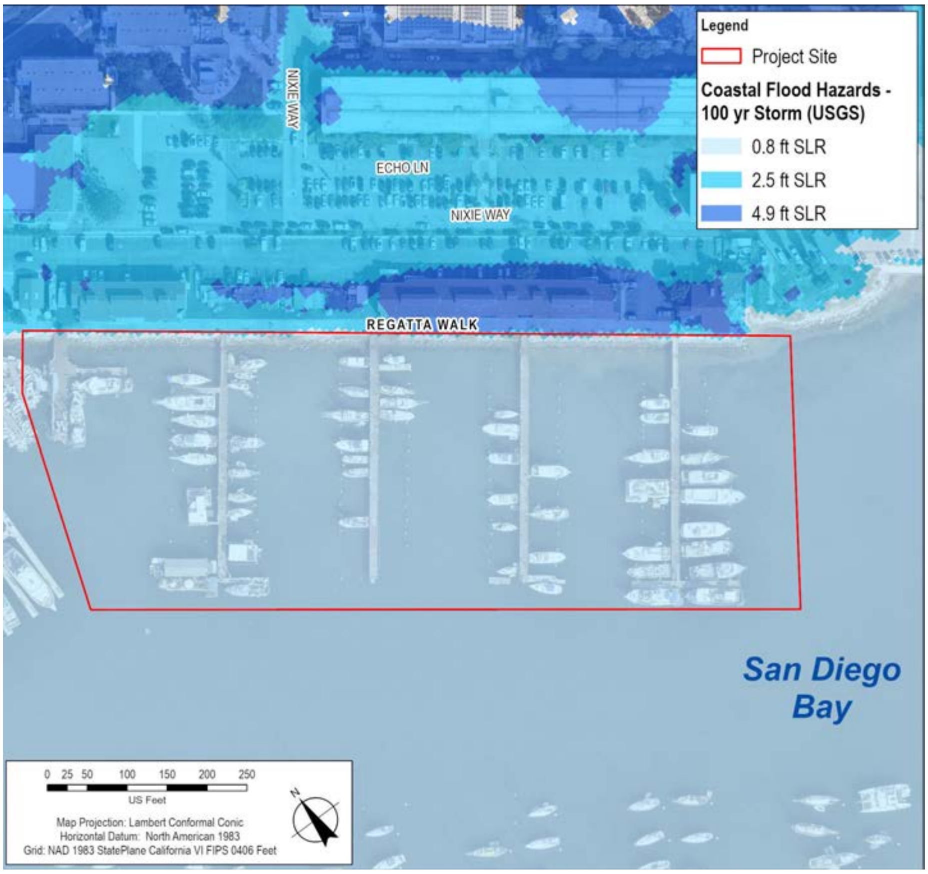


Figure 5. USGS CoSMoS flood projections under 100-year storm conditions with SLR

3. Coastal Hazards

3.1 Tides

The tides in southern California are mixed semi-diurnal, meaning there are two unequal low and high tides each lunar day, which is approximately 25-hours. The National Oceanic and Atmospheric Administration (NOAA) operates tide stations globally and the nearest station to the Project site is located at the end of Broadway Pier, approximately 1,800 ft south of the Project site. This station has a data repository as far back as 1906 and is representative of high-water levels at the Project site. The tidal datums for the San Diego Bay relative to NAVD88 (the datum used for this study) is shown in Table 3.

Table 3 Tidal Datums for the San Diego Bay (NOAA Station 9410170)

Datum	Elevation (ft, NAVD88)
Highest Observed Tide (11/25/2015)	7.81
Highest Astronomical Tide (HAT)	7.19
Mean Higher High Water (MHHW)	5.29
Mean High Water (MHW)	4.56
Mean Sea Level (MSL)	2.51
NAVD88	0.00
Mean Low Water (MLW)	0.51
Mean Lower Low Water (MLLW)	-0.43
Lowest Astronomical Tide (LAT)	-2.49
Lowest Observed Tide (12/17/1937)	-3.52

3.2 Extreme Water Levels

Water levels have the potential to increase under normal astronomical tide ranges, water level anomalies, and the influence of waves. The combination of these events can lead to abnormally high water levels, referred to as extreme water levels in this assessment. These water levels can be divided into two categories, static and dynamic. Static water levels include still water levels (SWL) under normal astronomical tide ranges and tidal anomalies. Dynamic water levels are those which include wave components (wave setup and runup). These extreme water levels are further described in this section.

3.3 Still Water Levels

Still water levels are the water surface elevations resulting from astronomical tides and storm surge but do not include wave heights and runup (FEMA 2016). Ocean water levels typically vary within predictable astronomical tide ranges. However, sea level anomalies may occur that increase water levels above the predicted tides. These anomalies may occur during low atmospheric pressure, abnormally warm water temperatures and meteorological conditions that can lead to storm surge (piling up of water along a coastline).

Extreme water levels are provided by NOAA's Center for Oceanographic Products (NOAA CO-OPS) for annual occurrence probabilities of 1%, 10%, 50%, and 99% for tidal stations with adequate data records. These probabilities correspond to an annual return period of 100-years, 10-years, 2-years, and 1-year; respectively. The extreme water levels at the San Diego Bay stations are shown in Table 4 and are representative of extreme still water levels (ESWLs) for the Project site.

Table 4 Extreme Still Water Levels for San Diego Bay (NOAA Station 9410170)

Annual Exceedance Probability	Return Period (years)	Elevation (ft, NAVD88)
1%	100	7.9

Annual Exceedance Probability	Return Period (years)	Elevation (ft, NAVD88)
10%	10	7.7
50%	2	7.4
99%	1	7.0

3.4 Dynamic Water Levels

Dynamic water levels are the water surface elevations including still water levels plus static and dynamic wave setup (FEMA 2016). Static wave setup is the increase in water level due to wave breaking, or when a wave becomes unstable and collapses. Whereas, dynamic wave setup accounts for wave action, which involves the overall movement and behavior of waves. Within the Bay, two sources are identified as the primary origin of waves around the Project site. Boat wakes are produced from the movement of boats that propagate outward from the boat's path. Wind generated waves are created as wind blows across the surface of the water, and dependent upon the available fetch, result in waves.

3.4.1 Boat Wakes

The North San Diego Bay supports a variety of boating activities which would potentially expose the Project site to boat wakes from passing vessels. As vessels travel through the water, diverging and traversing waves are produced from the stern and bow of the vessel, respectively (Figure 6). The wave height and period produce from a passing vessel is complex and highly dependent on the shape of the hull and speed of the vessel. Thus, the waves produced will vary widely based on the specific ships and predicting such waves would require a comprehensive assessment of the vessel traffic and modeling of wake waves.

The Project site is located approximately 2,700 ft from the federal navigation channel within the America's Cup Harbor Moorage area along the north end of the Bay. However, waves generated by passing vessels are not considered in this study as the assumed magnitude of wake waves are less than that of wind waves. A study completed by GHD (2023) examined recreational and commercial fishing vessel wakes at various locations within the Bay, finding that a 63 ft long fishing vessel drafting at 10.2 ft and traveling a speed of 10.6 knots produced a 0.8 ft wave height. This 0.8 ft wave height also assumed the vessel was 2,650 ft from the shoreline, which is a comparable distance from the federal navigation channel to the Project site. Based on a wind wave analysis completed herein, the maximum wind wave height under extreme conditions was 0.8 ft. Therefore, the dynamic water level that includes wind waves captures the potential boat wakes which may impact the site. Additionally, the moorage area is considered to have a speed limit of 5 mph according to the San Diego Unified Port District Code 4.30, at which speed it is unlikely that a sizable wake wave will be produced within the marina behind the wave attenuator. For this reason, boat wakes were not specifically studied in this coastal hazard assessment.

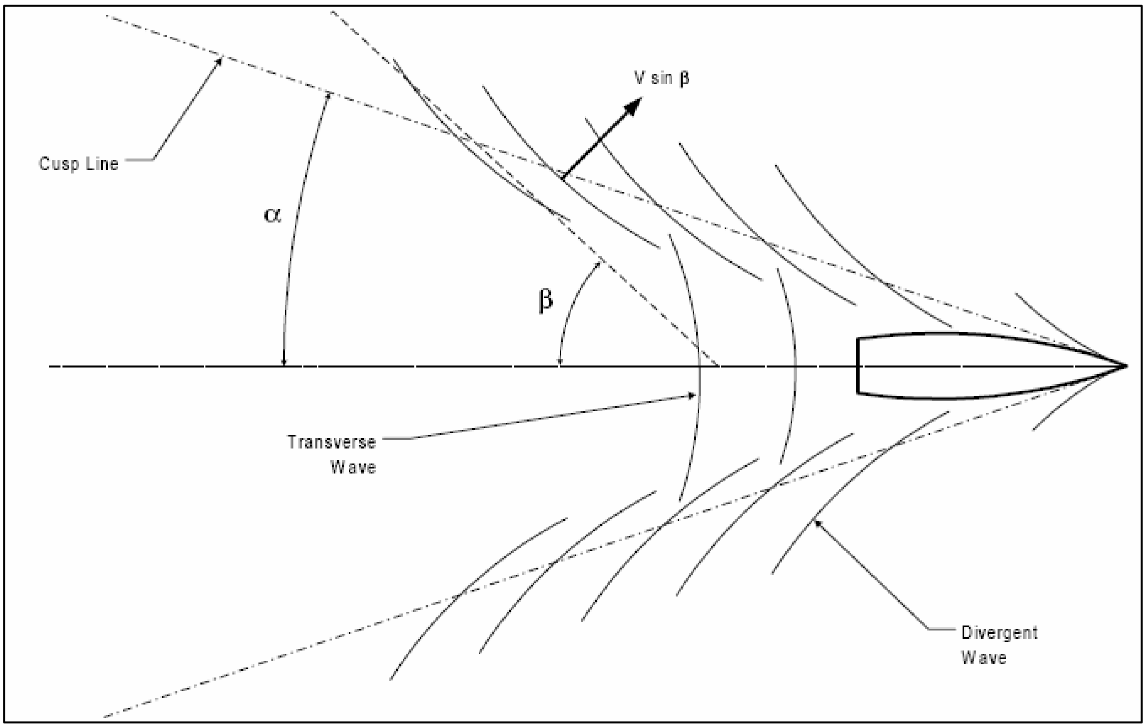


Figure 6. Vessel generated wave schematic (Ghani, Pauzi & Rahim, M. 2008)

3.4.2 Wind Waves

Given the Project site's exposure to wind generated waves, there is potential for the wave components to result in dynamic water levels higher than those listed in Table 4. Because of this, a wind wave analysis was performed to calculate the expected dynamic water levels at the site. The wind wave analysis was conducted for the primary directional bin approaching the site with the longest fetch, which was directly from the East (at 105 degrees north). This analysis examined the potential significant wave heights and periods from this primary dominant wind direction (Figure 7). This analysis considered two scenarios: the extreme wind events (100-year winds) and the typical (average) wind conditions. To accomplish this, an extreme value analysis was performed using the peak over threshold method from a wind data record collected from the San Diego Airport from 1999 to 2025. This method allowed for the extraction of extreme wind speeds from the West that were associated with 1-, 10-, 25-, 50-, and 100-year return periods (Table 5). It should be noted that the 100-year return periods have a higher uncertainty than the return periods of 50 years and below due to the extrapolation of the 26-year wind data record. More detailed methodology for the extreme value analysis may be found in Appendix A.

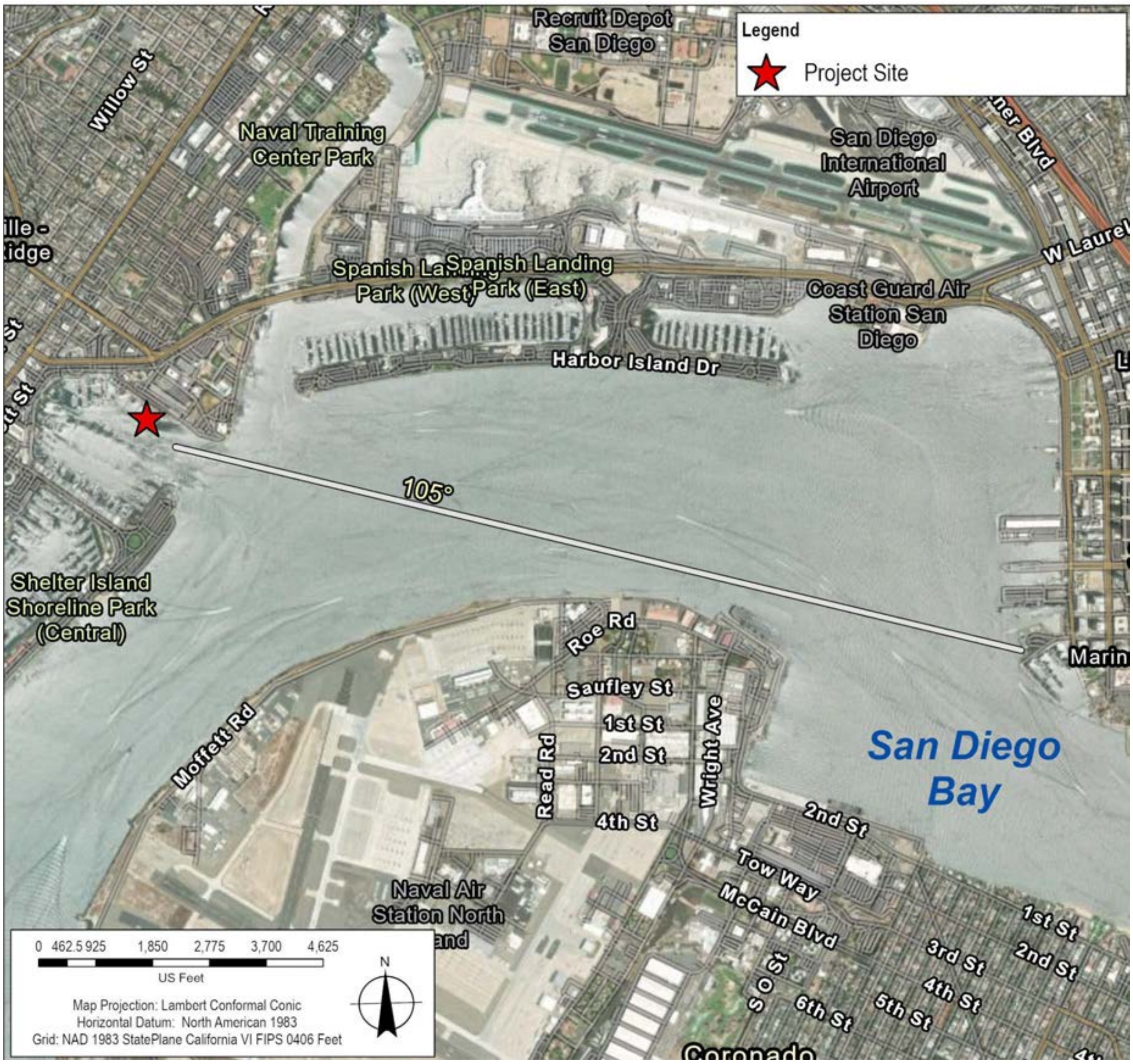


Figure 7. Fetch Radial Used for the Wind Wave Calculations

Wave heights from the West were calculated using the equations for fetch limited wave growth detailed in the Coastal Engineering Manual (CEM). The calculated wave heights and periods from this analysis is shown in Table 5.

Table 5 Calculated Wave Heights for Average Conditions and a 100-year Return Period Wind Event

Fetch Length (ft)	Average Water Depth (ft)	Offshore Wave Height, Hs (ft)		Wave Period, Tp (s)	
		Average Conditions	100-Year	Average Conditions	100-Year
14,146	-39.39	0.3	1.1	1.2	1.9

The results of this analysis allow for the calculation of the dynamic water level elevation by assuming that only 70% of the offshore wave height lies above the SWL (FEMA 2023). This would indicate that the maximum significant wave height above the SWL would be expected to reach approximately 0.8 ft. However, it is important to note the low probability occurrence of a 100-year wind event and its simultaneous occurrence with an extreme water level is unlikely. Therefore, the dynamic water levels being assessed under this analysis will be calculated based on the occurrence of a 100-year wind event under average daily tidal conditions (i.e., MHHW).

The Project involves the installation of a floating wave attenuator, designed to provide approximately 30 percent attenuation of wave heights. To incorporate the attenuation in this SLR assessment, the 100-year offshore wave heights have been further reduced by 30 percent (to 0.6 ft) and are applied to the dynamic water levels assessed in this analysis.

3.5 Coastal Hazards Scenarios

For this analysis, four water level scenarios were investigated across the three selected SLR time horizons (i.e. 2050, 2070, and 2100). The four water level scenarios include: Scenario 1: SLR + average daily tide (i.e. MHHW), Scenario 2: SLR + average daily tide (i.e. MHHW) + 100-yr Wind Waves (dynamic water level) (according to wave attenuation), Scenario 3: SLR + 1-yr ESWL, and Scenario 4: SLR + 100-yr ESWL. These coastal hazard scenarios are shown below in Table 6. Scenario 1 (SLR + average daily tide) is intended to represent the expected frequent, daily inundation around the Project site. Scenario 2 (dynamic water level) is the unlikely coincidence of a frequent high tide with a 100-yr wind wave event from the East after being reduced by the proposed wave attenuator. This scenario involves waves reaching heights of 0.6 ft, which represent infrequent wetting of the asset rather than full submergence or inundation. Scenario 3 (SLR + 1-yr ESWL) is representative of the infrequent occurrence of an extreme still water level with a 99% annual occurrence probability. This scenario is likely to occur at least three to four times within a given year although it would be short in duration (about 1 hour). Scenario 4 (SLR+100-yr ESWL) is representative of the unlikely occurrence of an extreme still water level with a 1% annual occurrence probability. This extreme still water level would be short in duration (about 1 hour).

Table 6 Coastal Hazard Water Level Scenarios

Year	OPC 2024 SLR Scenario (Intermediate-High)	Scenario 1	Scenario 2	Scenario 3	Scenario 4
		Tides (MHHW) + SLR*	Dynamic Water Level (MHHW) + 100-yr Waves + SLR*	1-yr ESWL + SLR*	100-yr ESWL + SLR*
2025	0.0	5.3	5.9	7.0	7.9
2050	1.1	6.4	7	8.1	9.0
2070	2.3	7.6	8.2	9.3	10.2
2100	4.9	10.2	10.8	11.9	12.8

*Elevations provided relative to ft, NAVD88

4. Vulnerability Assessment

Vulnerability is evaluated based on the proposed Project's exposure, sensitivity, and adaptive capacity in response to coastal hazards. The vulnerability of a feature increases with both exposure and sensitivity, while it decreases based on its adaptive capacity. To identify when the proposed Project's features are expected to be vulnerable to SLR, water level build-up calculations are used to provide an asset-specific analysis. This involves the development of cross sections that show the water level scenarios relative to the proposed Project features.

The vulnerability assessment was separated into an evaluation of fixed and floating Project features and is presented in this section.

4.1 Fixed Structures

4.1.1 Pier

According to the most recent plans for the Project, the proposed pier's deck elevation and thickness are yet to be determined (Figure 8). However, as advised by the Project's Engineer of Record for this assessment, the deck elevation was assumed to be 10.07 ft (NAVD88) with a thickness of approximately 1.67 ft, placing the soffit at 8.40 ft (NAVD88). These pier deck elevations were used as thresholds to identify when the structure may be exposed to flooding (Table 7). Based on these assumed elevations, there is potential for the pier deck to be exposed to extreme water levels during its projected 50 year lifespan. It is likely to experience infrequent partial submergence near the end of its design life around 2070 under a 1-year ESWL. Under the unlikely 100-year extreme conditions in combination with an Intermediate-High SLR scenario, the pier deck could experience partial submergence before 2050 and inundation by 2070. Any hanging utilities serving lighting and a jib crane underneath the pier deck would become directly exposed to these elevated water levels. This exposure would subject the pier to increased hydrodynamic forces and buoyancy effects, but these low probability occurrences would be limited to a few hours at the peak of the tidal cycle. Also, assuming that the Regatta Walk remains in its current condition, it is likely that these backlands could experience temporary flooding near 2070 based on CoSMoS 100-year storm projections, thereby limiting access and use of the Pier (Figure 5). However, beyond the structures' design life near 2100, the deck is projected to experience daily tidal inundation that becomes exacerbated under dynamic water level and extreme conditions.

If the Pier is anticipated to remain in service for a 50-year design life, it is recommended that it be designed to accommodate 2.3 ft of SLR, in accordance with OPC 2024 guidance projections for the 2070 Intermediate-High planning scenario. To accommodate this elevation change, a ramp will likely be needed to transition into the existing Regatta Walk.

Table 7 Water Level Scenarios compared to the Proposed Pier Structure

Water Level Scenario	Time Horizon	Sea Level Rise Projection (ft)	Coastal Hazards Scenario*	Pier Freeboard (ft) (Deck Elevation Minus Coastal Hazard Scenario)	
				Top of Deck (10.07 ft)	Soffit of Deck (8.40 ft)
Tides (MHHW) + SLR	Existing	**0**	**5.3**	4.8	3.1
	2050	**1.1**	**6.4**	3.7	2.0
	2070	**2.3**	**7.6**	2.5	0.8
	2100**	**4.9**	**10.2**	-0.1	-1.8
Dynamic Water Level (MHHW) + 100-yr Waves + SLR	Existing	**0**	**5.9**	4.2	2.5
	2050	**1.1**	**7.0**	3.1	1.4
	2070	**2.3**	**8.2**	1.9	0.2
	2100**	**4.9**	**10.8**	-0.7	-2.4
1-yr ESWL + SLR	Existing	**0**	**7.0**	3.1	1.4
	2050	**1.1**	**8.1**	2.0	0.3
	2070	**2.3**	**9.3**	0.8	-0.9
	2100**	**4.9**	**11.9**	-1.8	-3.5
100-yr ESWL + SLR	Existing	**0**	**7.9**	2.2	0.5
	2050	**1.1**	**9.0**	1.1	-0.6
	2070	**2.3**	**10.2**	-0.1	-1.8
	2100**	**4.9**	**12.8**	-2.7	-4.4

*Elevations provided relative to ft, NAVD88

**Time horizon beyond design life of structure

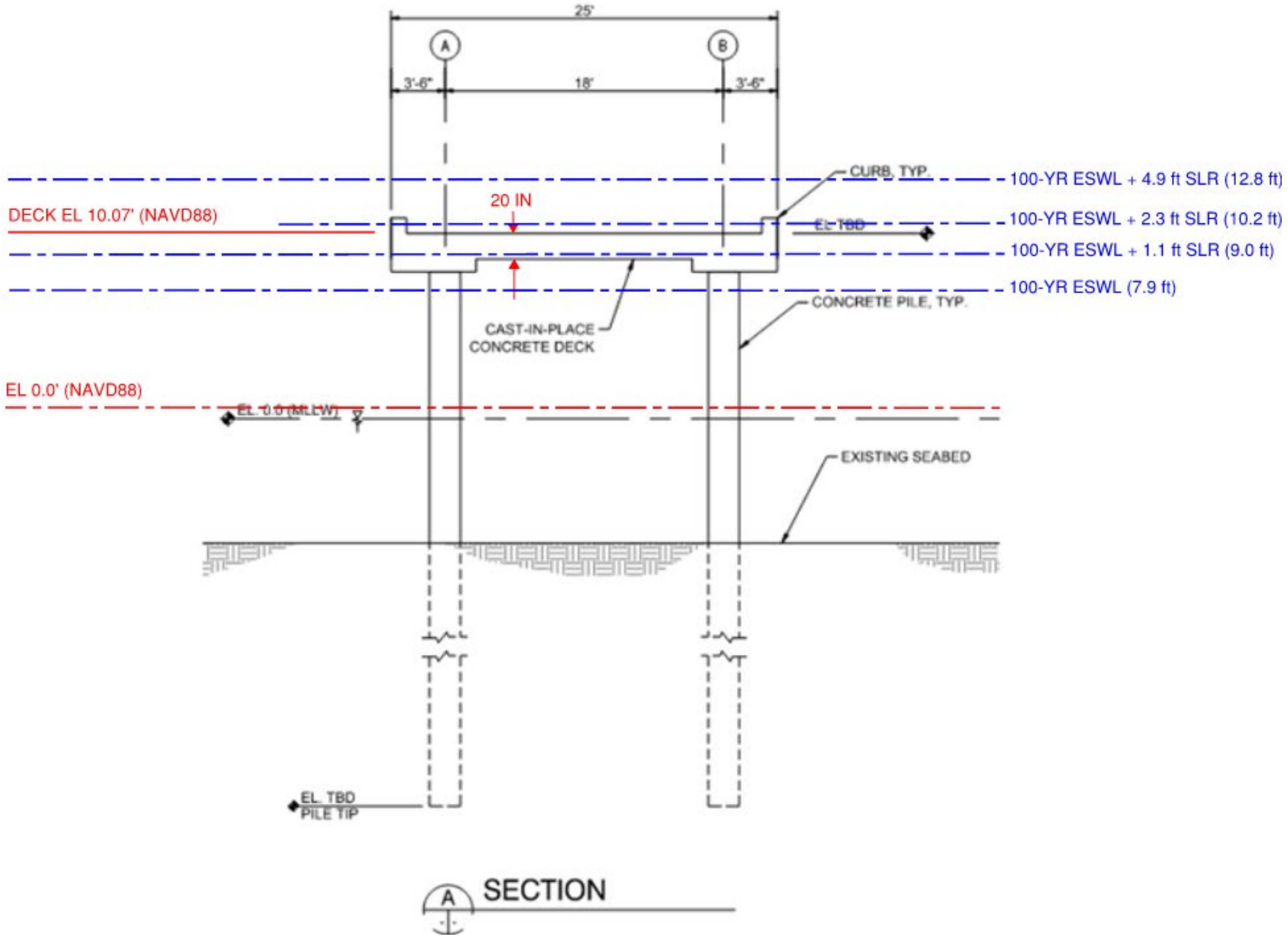


Figure 8. Pier 4 Project Flood hazards cross section for 100-yr ESWL for SLR scenarios

4.1.2 Concrete Platforms

While the finish grade elevations (FG) for each of the four individual concrete platforms are not specifically identified on the Project plans provided by the Port, a typical section identifies the FG as 10.07 ft (NAVD88) with a thickness of approximately 0.83 ft, placing the soffit at 9.24 ft (Figure 9). Based on these thresholds, the concrete platforms could be exposed to flooding before 2070 when in combination with an extreme water level and Intermediate-High SLR scenario (Table 8). Any hanging utilities serving lighting underneath the platforms would become directly exposed to these elevated water levels. While this would subject the platform to increased hydrodynamic forces and buoyancy effects, this low probability occurrence would be limited to a few hours at the peak of the tidal cycle. This would limit the effect of these elevated water level interactions with the concrete pier deck, thereby reducing its vulnerability to SLR over its design life. Also, assuming that the Regatta Walk remains in its current condition, it is likely that these backlands could experience temporary flooding near 2070 based on CoSMoS 100-year storm projections, thereby limiting access and use of the Pier (Figure 5). However, beyond the structures' design life near 2100, the platforms are projected to experience daily tidal inundation that becomes exacerbated under dynamic water level and extreme conditions.

If the concrete platforms are anticipated to remain in service for a 50-year design life, it is recommended that they be designed to accommodate 2.3 ft of SLR, in accordance with OPC 2024 guidance projections for the 2070 Intermediate-High planning scenario. To accommodate this elevation change, a ramp will likely be needed to transition into the existing Regatta Walk.

Table 8 Water Level Scenarios compared to the Proposed Concrete Platforms

Water Level Scenario	Time Horizon	Sea Level Rise Projection (ft)	Coastal Hazards Scenario*	Pier Freeboard (ft) (Deck Elevation Minus Coastal Hazard Scenario)	
				Top of Platform (10.07 ft)	Soffit of Platform (9.24 ft)
Tides (MHHW) + SLR	Existing	**0**	**5.3**	4.8	3.9
	2050	**1.1**	**6.4**	3.7	2.8
	2070	**2.3**	**7.6**	2.7	1.6
	2100**	**4.9**	**10.2**	-0.1	-1.0
Dynamic Water Level (MHHW) + 100-yr Waves + SLR	Existing	**0**	**5.9**	4.2	3.3
	2050	**1.1**	**7.0**	3.1	2.2
	2070	**2.3**	**8.2**	1.9	1.0
	2100**	**4.9**	**10.8**	-0.7	-1.6
1-yr ESWL + SLR	Existing	**0**	**7.0**	3.1	2.2
	2050	**1.1**	**8.1**	2.0	1.1
	2070	**2.3**	**9.3**	0.8	-0.1
	2100**	**4.9**	**11.9**	-1.8	-2.7
100-yr ESWL + SLR	Existing	**0**	**7.9**	2.2	1.3
	2050	**1.1**	**9.0**	1.1	0.2
	2070	**2.3**	**10.2**	-0.1	-1.0
	2100**	**4.9**	**12.8**	-2.7	-3.6

*Elevations provided relative to ft, NAVD88

** Time horizon beyond design life of structure

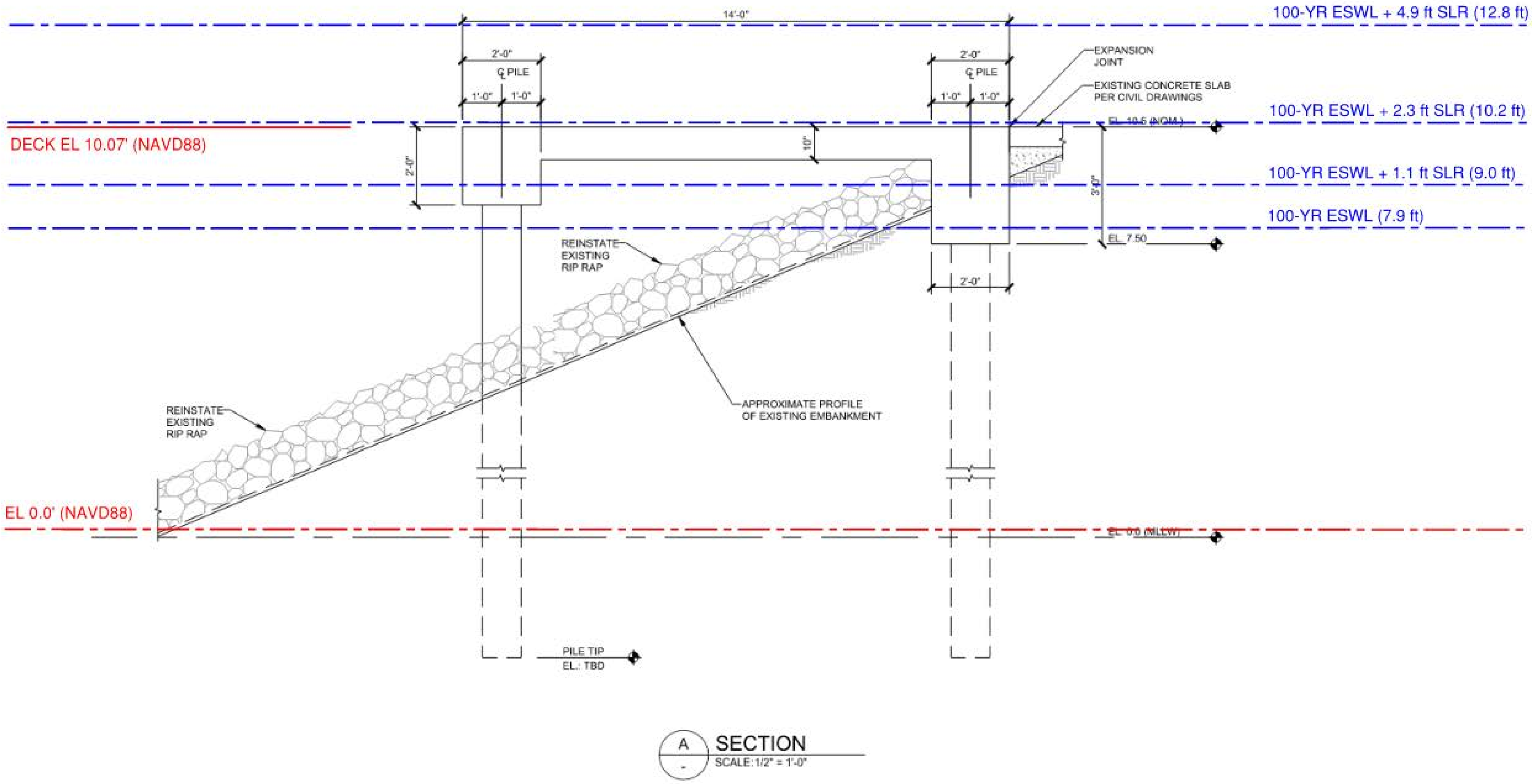


Figure 9. Proposed Concrete Platform Typical Section

4.1.3 Regatta Walk

Though no changes are proposed to the existing Regatta Walk promenade, vulnerability was assessed due to the Project's critical connections with the feature. This promenade varies in elevation from about 8.5 ft to 11 ft (NAVD88) and is armored with a revetment shoreline (Photo 1). This configuration is intended to limit undermining and erosion of the path, however, landside runoff from adjacent buildings and surface drainage are observed to be causing scouring underneath the concrete walkway (Kleinfelder 2022). Based on CoSMoS projections, Regatta Walk could begin to experience temporary flooding near 2070 under 100-year storm conditions and regular tidal inundation by the end of the century (Figure 4; Figure 5). However, the probability of this temporary flooding occurrence is low and would be limited to a few hours at the peak of the tidal cycle, resulting in minimal flooding at this time horizon. Therefore, temporary access and use of the proposed Project may be affected during these rare events towards the end of the Project's 50-year lifespan.

If the Regatta Walk is anticipated to remain in service for the Project's 50-year design life, it is recommended that it be designed to accommodate 2.3 ft of SLR, in accordance with OPC 2024 guidance projections for the 2070 Intermediate-High planning scenario. This could involve increasing the crest of the revetment with an enhanced core or the addition of a floodwall along the seaward side of the promenade to add flood protection and resilience. However, we understand that no improvements are proposed to the Regatta Walk as part of this Project.

Photo 1. Existing Regatta Walk promenade

4.2 Floating Structures

4.2.1 Floating Wave Attenuator

The proposed floating wave attenuator, with a 1.75 ft freeboard, is designed to provide approximately 30 percent wave attenuation, moving vertically with water level changes along 30 new guide piles. These guides piles are designed with a pile cap elevation of 13.57 ft (NAVD88), with their pile guides flush with the deck of the attenuator. Based on these elevations, it is very unlikely the floating wave attenuator would reach the vertical limit of the piles over the next 50 years given the projected exposed pile length above the guide under 2070 water levels (Table 9). Only under extreme conditions in combination with an Intermediate-High SLR scenario in 2100, beyond this structure's design life, would the attenuator be expected to exceed this pile cap elevation.

No design changes or adaptation options are recommended for the floating wave attenuator based on the proposed structure's projected lifespan of 50 years.

Table 9 Water Level Scenarios compared to the Proposed Floating Wave Attenuator

Water Level Scenario	Time Horizon	Sea Level Rise Projection (ft)	Coastal Hazards Scenario*	Projected Exposed Pile Length Above Guide (ft)
				Pile Cap Elevation (13.57 ft) Minus Projected Deck Elevation
Tides (MHHW) + SLR	Existing	**0**	**5.3**	6.5
	2050	**1.1**	**6.4**	5.4
	2070	**2.3**	**7.6**	4.2
	2100**	**4.9**	**10.2**	1.6
Dynamic Water Level (MHHW) + 100-yr Waves + SLR	Existing	**0**	**6.1**	5.9
	2050	**1.1**	**7.2**	4.8
	2070	**2.3**	**8.4**	3.6
	2100**	**4.9**	**11.0**	1.0
1-yr ESWL + SLR	Existing	**0**	**7.0**	4.8
	2050	**1.1**	**8.1**	3.7
	2070	**2.3**	**9.3**	2.5
	2100**	**4.9**	**11.9**	-0.1
100-yr ESWL + SLR	Existing	**0**	**7.9**	3.9
	2050	**1.1**	**9.0**	2.8
	2070	**2.3**	**10.2**	1.6
	2100**	**4.9**	**12.8**	-1.0

*Elevations provided relative to ft, NAVD88

** Time horizon beyond design life of structure

4.2.2 Floating Docks

The proposed floating docks are designed with a 1.5 ft freeboard and can move vertically with water level changes aided by the installed guide piles. The proposed guide piles are designed with a pile cap elevation of 13.57 ft (NAVD88), and pile guides flush with the deck of the docks. Based on these elevations, it is unlikely that the floating docks would reach the vertical limit of the piles over its projected 50 year lifespan given the projected exposed pile length above the guide under 2070 water levels (Table 10). The floating docks would only be expected to become dislodged or damaged under extreme conditions in combination with an Intermediate-High SLR scenario by 2100 as the vertical limit of the guide pile would be exceeded by 0.7 ft. The dock's guide pile elevation of 13.57 ft (NAVD88) would not be exceeded in any of the other coastal hazard scenarios evaluated, thereby supporting the floating docks through the Project's lifespan.

No design changes or adaptation options are recommended for the floating docks based on the proposed structure's projected lifespan of 50 years.

Table 10 Water Level Scenarios compared to the Proposed Floating Dock

Water Level Scenario	Time Horizon	Sea Level Rise Projection (ft)	Coastal Hazards Scenario*	Projected Exposed Pile Length Above Guide (ft)
				Pile Cap Elevation (13.57 ft) Minus Projected Deck Elevation
Tides (MHHW) + SLR	Existing	**0**	**5.3**	6.8
	2050	**1.1**	**6.4**	5.7
	2070	**2.3**	**7.6**	4.5

Water Level Scenario	Time Horizon	Sea Level Rise Projection (ft)	Coastal Hazards Scenario*	Projected Exposed Pile Length Above Guide (ft)
				Pile Cap Elevation (13.57 ft) Minus Projected Deck Elevation
	2100**	**4.9**	**10.2**	1.9
Dynamic Water Level (MHHW) + 100-yr Waves + SLR	Existing	**0**	**6.1**	6.2
	2050	**1.1**	**7.2**	5.1
	2070	**2.3**	**8.4**	3.9
	2100**	**4.9**	**11.0**	1.3
1-yr ESWL + SLR	Existing	**0**	**7.0**	5.1
	2050	**1.1**	**8.1**	4.0
	2070	**2.3**	**9.3**	2.8
	2100**	**4.9**	**11.9**	0.2
100-yr ESWL + SLR	Existing	**0**	**7.9**	4.2
	2050	**1.1**	**9.0**	3.1
	2070	**2.3**	**10.2**	1.9
	2100**	**4.9**	**12.8**	-0.7

*Elevations provided relative to ft, NAVD88

** Time horizon beyond design life of structure

4.2.3 Gangways and Loading Ramp

Due to the substantial increase in water levels and floating structure deck elevations anticipated under the 2050, 2070, and 2100 water level scenarios, the gangways' and loading ramp's appropriate tidal operating windows could be exceeded during the Project's 50 year lifespan. These elevated water levels would place the connection points for these features attached to the concrete platforms and floating docks under increased stress, potentially resulting in their damage. Based on the coastal hazard scenarios evaluated, the gangways and loading ramp could experience inversion before 2050 under extreme conditions combined with an Intermediate-High SLR scenario, requiring improvements to the features at that time. It should be noted that this projected inversion is based on the assumed FG of the concrete platforms at 10.07 ft (NAVD88) that the gangways and loading ramp are attached to. If these platforms are raised higher to accommodate 2.3 ft of SLR as recommended, this could mitigate the expected inversion.

If the gangways and loading ramp are anticipated to remain in service for a 50-year design life, it is recommended that they be designed to accommodate 2.3 ft of SLR, in accordance with OPC 2024 guidance projections for the 2070 Intermediate-High planning scenario.

5. Conclusions

This SLR analysis examined the proposed Project's vulnerability to SLR scenarios across three-time horizons, consistent with OPC 2024 guidance, resulting in the assessment of 1.1 ft, 2.3 ft, and 4.9 ft of SLR. These SLR scenarios were evaluated under projected daily tidal, dynamic water level, and 100-year ESWL conditions. Dynamic water levels were representative of the unlikely concurrence of a 100-year wind event alongside a high average tide (MHHW). The 1-year ESWL conditions are representative of the infrequent occurrence of a 1-year extreme water level during the short duration of a high tide about three to four times per year. The 100-year ESWL conditions are representative of the very unlikely occurrence of a 100-year extreme water level during the short duration of a high tide. Based on these coastal hazard scenarios, the results of the vulnerability assessment are provided below for the fixed and floating Project features. The following recommendations for the Project features are based on a 50-year design life, anticipating 2.3 ft of SLR under the Intermediate-High scenario by 2070. This projection accounts for the Intermediate scenario estimates for the period between 2080 and 2090. No adaptation strategies are proposed given the limit vulnerabilities over the Project's lifespan. It is recommended that beyond the design life of the Project's features, the Port can evaluate the state of SLR science along with empirical evidence to determine if they are at risk of flooding.

Fixed Structures

- **Pier:** If the Pier is anticipated to remain in service for a 50-year design life, it is recommended that it be designed to accommodate 2.3 ft of SLR, in accordance with OPC 2024 guidance projections for the 2070 Intermediate-High planning scenario. To accommodate this elevation change, a ramp will likely be needed to transition into the existing Regatta Walk.
- **Concrete Platforms:** If the platforms are anticipated to remain in service for a 50-year design life, it is recommended that it be designed to accommodate 2.3 ft of SLR, in accordance with OPC 2024 guidance projections for the 2070 Intermediate-High planning scenario. To accommodate this elevation change, a ramp will likely be needed to transition into the existing Regatta Walk.
- **Regatta Walk:** If the Regatta Walk is anticipated to remain in service for the Project's 50-year design life, it is recommended that it be designed to accommodate 2.3 ft of SLR, in accordance with OPC 2024 guidance projections for the 2070 Intermediate-High planning scenario. This could involve increasing the crest of the revetment with an enhanced core or the addition of a floodwall along the seaward side of the promenade to add flood protection and resilience. However, we understand that no improvements are proposed to the Regatta Walk as part of this Project.

Floating Structures

- **Floating Wave Attenuator and Floating Docks**: No design changes or adaptation options are recommended for the floating wave attenuator and floating docks, given the minimal risk anticipated across its projected lifespan of 50 years.
- **Gangways and Loading Ramp:** If the gangways and loading ramp are anticipated to remain in service for a 50-year design life, it is recommended that they be designed to accommodate 2.3 ft of SLR, in accordance with OPC 2024 guidance projections for the 2070 Intermediate-High planning scenario.

6. References

Barnard, P.L., Erikson, L.H., Foxgrover, A.C., Limber, P.W., O'Neil, A.C., and Vitousek, S., 2018, Coastal Storm Modeling System (CoSMoS) for Southern California, v3.0, Phase 2 (ver. 1g, May 2018): U.S. Geological Survey data release, **https://doi.org/10.5066/F7T151Q4**.

California Coastal Commission. 2018. Sea Level Rise Policy Guidance, *Interpretive Guidelines for Addressing Sea Level Rise in Local Coastal Programs and Coastal Development Permits*.

California Coastal Commission. 2024. Sea Level Rise Policy Guidance, *Interpretive Guidelines for Addressing Sea Level Rise in Local Coastal Programs and Coastal Development Permits*, Draft 2024 Update.

California State Parks Boating and Waterways (CSPBW). 2025. Driscoll's Wharf. **https://dbw.parks.ca.gov/BoatingFacilities/f/245**.

FEMA. 2023. Guidance for Flood Risk Analysis and Mapping, Coastal Overland Wave Propagation. Accessed from: **https://www.fema.gov/sites/default/files/documents/Coastal_Overland_Wave_Propagation_Nov_2023.pdf**

Ghani, Pauzi & Rahim, M.. 2008. The prediction of wake wash in the towing tank.

Intergovernmental Panel on Climate Change (IPCC). 2021. *Climate Change 2021 – The Physical Science Basis: Working Group I Contribution to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change*.

Kleinfelder. 2022. Geotechnical Assessment of Concrete Walkway: 4900-4930 North Harbor Drive.

NOAA Tides & Currents. 2025. Station 9410170 San Diego, CA. Accessed from: **https://tidesandcurrents.noaa.gov/stationhome.html?id=9410170**

Ocean Protection Council (OPC). 2018. State of California Sea-Level Rise Guidance 2018 Update. Accessed from: **http://opc.ca.gov/webmaster/ftp/pdf/agenda_items/20180314/Item3_Exhibit-A_OPC_SLR_Guidance-rd3.pdf**

Ocean Protection Council (OPC). 2024. *California Sea Level Rise Guidance: 2024 Science and Policy Update*. California Sea Level Rise Science Task Force, California Ocean Protection Council, California Ocean Science Trust.

Port of San Diego. 2019. Sea Level Rise Vulnerability Assessment & Coastal Resiliency Report. Accessed from: **https://pantheonstorage.blob.core.windows.net/environment/FINAL-San-Diego-Unified-Port-District-Sea-Level-Rise-Vulnerability-and-Coastal-Resiliency-Report-AB691.pdf**

Sweet, W. V., Hamlington, B. D., Kopp, R. E., Weaver, C. P., Barnard, P. L., Bekaert, D., … Zuzark, C. (2022). Global and Regional Sea Level Rise Scenarios for the United States: Updated Mean Projections and Extreme Water Level Probabilities Along the U.S. Coastline. Silver Spring, MD: NOAA. Retrieved from **https://oceanservice.noaa.gov/hazards/sealevelrise/noaa-nos-techrpt01-global-regional-SLR-scenarios-US.pdf**

Appendix A

Extreme Value Analysis Calculations – Wind Data

Extreme Value Analysis Calculations – Winds

Extreme Value Analysis (EVA) is a statistical method used to assess and quantify the risk of extreme, rare events. In the context of wind wave analysis, EVA is particularly useful for several reasons. This is necessary for the coastal zone, where the strongest events occur during intense single events. EVA is based on the Generalized Extreme Value (GEV) theory, which is designed to deal with rare events. This makes it suitable for studying phenomena like extreme wind speeds, which do not occur frequently but can have significant impacts.

A sufficiently long time series of data is necessary to accurately extrapolate the data to longer return periods. It is not recommended that the data be extrapolated more than 2-3 times its length, as the uncertainty increases significantly. The wind data used for this analysis was taken from the San Diego International Airport, which has been collecting data since 1997 and is located about 2 miles east of the Project site. A wind rose for this station is shown in Figure 1.

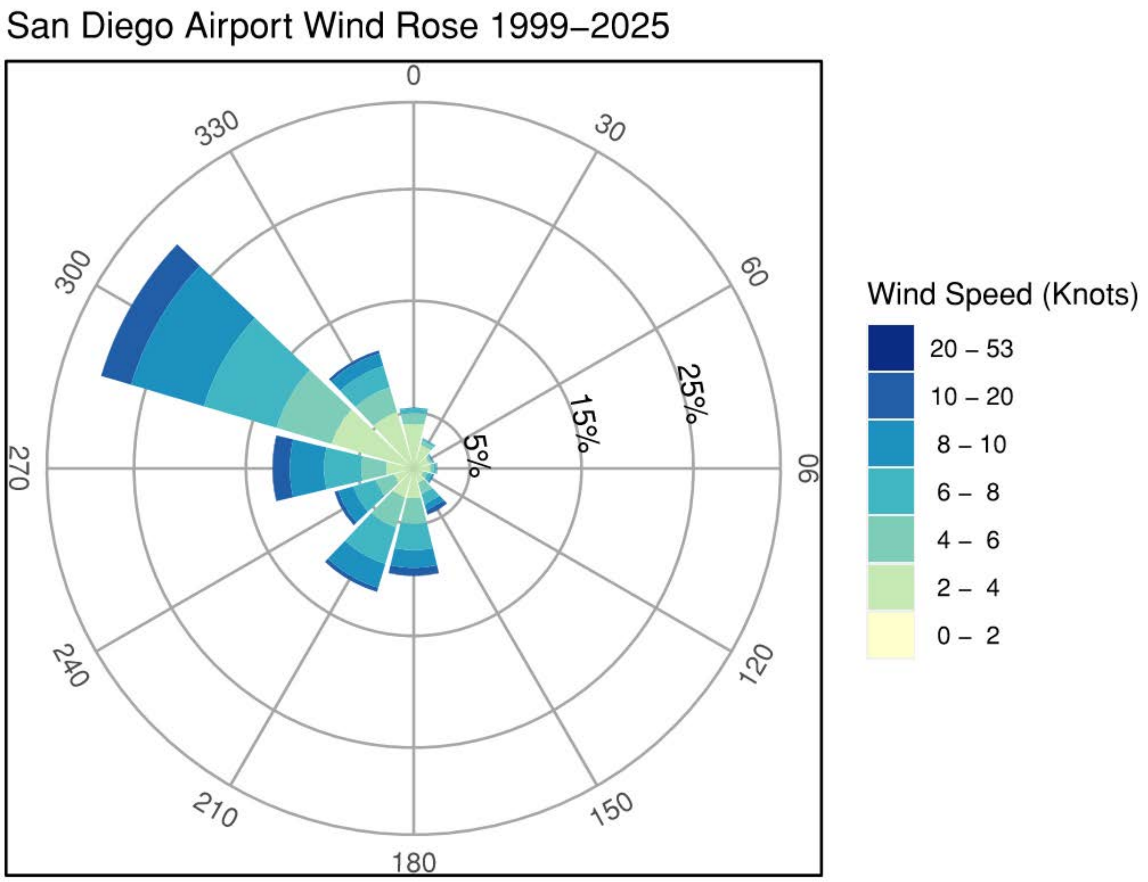


Figure 1. San Diego Airport Wind Station Wind Data from 1999-2025

The San Diego International Airport dataset was inspected for completeness and the outliers were checked for plausibility. The data from 1997 to 1998 contained large gaps of data for multiple months, so these data were not included in the EVA. The few outliers were evaluated by assessing their continuity with the timeseries. From 1999 to 2016, the data was recorded hourly, and from 2016 to 2025, data is 5-minute averaged recorded every hour. For the analysis to appropriately assess the wind dataset, only hourly recorded data was used to perform the EVA.

The peak over threshold method was used, which uses a threshold to seclude values considered extreme from the rest of the data and create a model for the extreme values by modeling the tail of all the values that exceed this threshold. Since wave conditions were only needed from the East (at 105 degrees north) direction, the EVAs were conducted in a 30-degee directional sector where waves could approach the Project site from 90-120 degrees north. The data was declustered by storm duration to capture the peak value of each storm and not sample the same event. A duration of 24 hours was iterated to inspect the time series and make sure that multiple values did not come from the same storm, which was noted by the peaks in the data. Then a threshold was chosen by iterating to a value that resulted in the average number of storms per year being around 2-4, per CEM guidelines.

Figure 2 and Figure 3 show the peak over threshold (POT) method graphically for the East directional sector and a threshold of 7 knots.

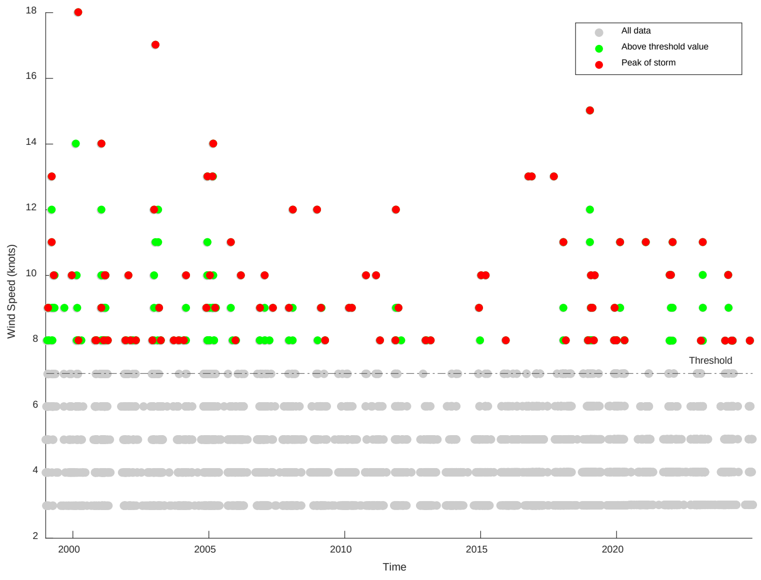


Figure 2. POT Method for the West Direction (All wind speed data shown in grey, directionally filtered values shown in green, and POT values for the directional sector shown in red.)

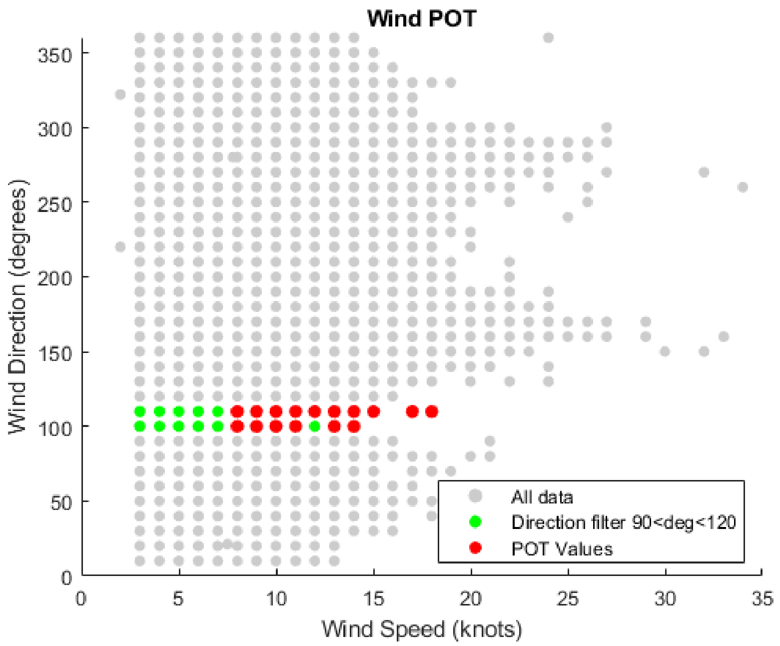


Figure 3. POT Method for the West Direction (All wind speed data shown in grey, directionally filtered values shown in green, and POT values for the directional sector shown in red.)

Once peak values were selected, the return period of the data are given by:

$$R = \frac{n+1}{m}$$

When *n* is the number of years on record and *m* is the rank of the observed occurrence when arranged in descending order. To extrapolate to return periods past the length of the data record, the data must be fit to a distribution. MATLAB's distribution fitter was used to find the best fit, which iterates to a best fit using maximum likelihood estimators. Multiple distributions were fit to the data, but the Generalized Pareto Distribution (GPD) showed the best fit for the data in the relevant directional sector. The probability density function (PDF) of the GPD is defined by:

$$F_{\xi}(x) = 1 - (1 + \frac{k(x-\mu)}{\sigma})^{\frac{-1}{k}}$$

Where σ is the scale parameter, μ is the location parameter (or threshold), and k is the shape parameter. Table 1 presents the parameters for the best fit GPDs in the relevant directional sector. Figure 4 shows the peak over threshold data for the West direction fitted to a GPD for return periods up to 100 years. From this directional sector, the return periods were extracted at 1, 10, 25, 50, and 100 years. The return periods are presented in Table 2. It should be noted that the 100-year return periods have a higher uncertainty than the return periods of 50 years and below due to the longer extrapolation of the wind data.

Table 1 GPD Parameters for Relevant Directional Sector

Wind Direction (degrees)	Shape, k	Scale, σ	Threshold, μ
105	-0.23	3.38	7

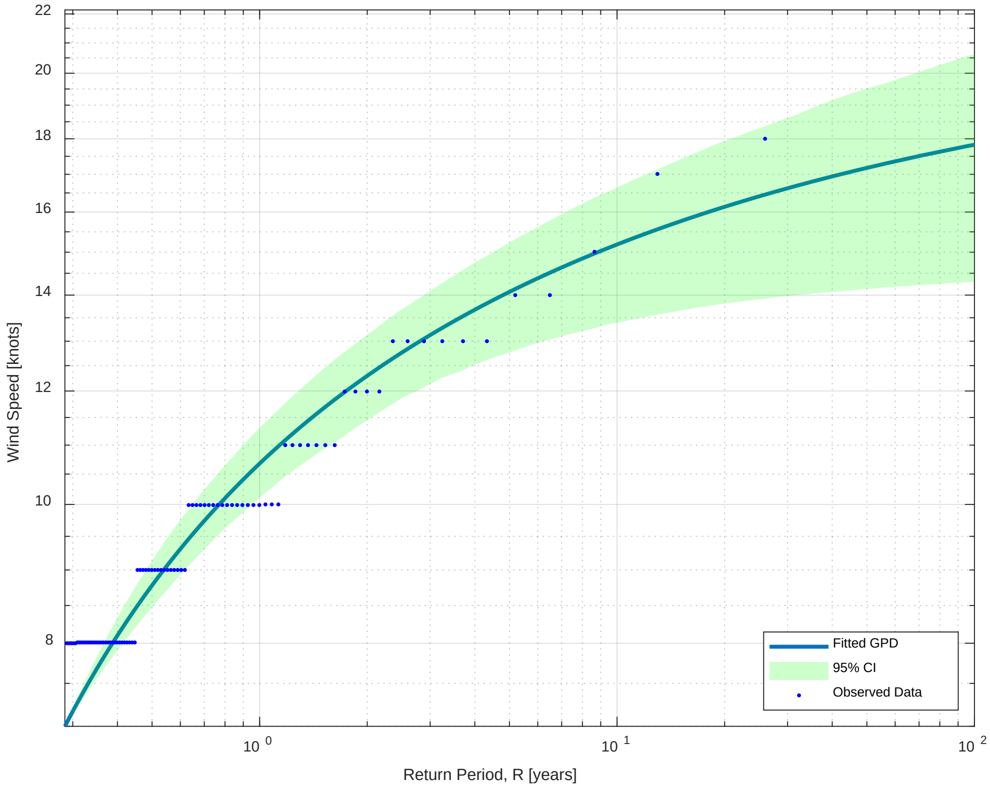


Figure 4. Best Fit GPD vs the POT Data for the West Direction

Table 2 Return Period Wind Speeds for the West Direction

Return Period (years)	Wind Speed (knots)
1	10.68
10	15.19
25	16.40
50	17.17
100	17.82

→ **The Power of Commitment**

Appendix K

Construction Noise and Vibration Calculations

Construction Equipment Average Noise Levels

ASCENT

Project Name: Shelter Island Commercial Fishing Wharf Project

KEY: Orange cells are for input.

Grey cells are intermediate calculations performed by the model.

Green cells are data to present in a written analysis (output).

Location	Distance to Nearest Receptor in feet	Combined Predicted Noise Level (dBA L_{eq})
Thresholds		
Daytime Standard	318	75.0
Sensitive Receptors		
Baseball Field	790	67.1
Single Family Homes	1050	64.6
Navy Dormitories	430	72.4

Equipment[1]	Reference Emission Noise Levels (dBA L_{max}) at 50 feet[2]	Usage Factor[2]
Impact Pile Driver w/ Wood Block	98	0.2
Crane	81	0.2

Ground Type	Hard
Source Height	8
Receiver Height	5
Ground Factor[3]	0.00

Predicted Noise Level [4]	dBA L_{eq} at 50 feet[4]
Impact Pile Driver w/ Wood Block	91.0
Crane	73.0

Combined Predicted Noise Level (dBA L_{eq} at 50 feet)
91.1

Sources:

[1] Where measured values are not available, noise levels based on the Construction Noise Control Specifiction 721.560 were used.

[2] Obtained from the FHWA Roadway Construction Noise Model, January 2006. Table 1.

[3] Based on Figure 4-26 from the Federal Transit Noise and Vibration Impact Assessment, 2018 (pg 86).

[4] Based on the following from the Federal Transit Noise and Vibration Impact Assessment, 2018 (pg 177).

L_{eq}(equip) = E.L.+10*log (U.F.) - 20*log (D/50) - 10*G*log (D/50)

Where: E.L. = Emission Level;

U.F.= Usage Factor;

G = Constant that accounts for topography and ground effects (FTA 2018: pg 86); and

D = Distance from source to receiver.

Construction Equipment Average Noise Levels with Mitigation Measure-WQ-1

Project Name: Shelter Island Commercial Fishing Wharf Project

KEY: Orange cells are for input.
Grey cells are intermediate calculations performed by the model.
Green cells are data to present in a written analysis (output).

Location	Distance to Nearest Receptor in feet	Combined Predicted Noise Level (dBA L_{eq})
Thresholds		
Daytime Standard	322	75.0
Sensitive Receptors		
Baseball Field	790	67.2
Single Family Homes	1050	64.7
Navy Dormitories	430	72.5

Equipment[1]	Reference Emission Noise Levels (dBA L_{max}) at 50 feet[2]	Usage Factor[2]
Impact Pile Driver w/ Wood Block	98	0.2
Crane	81	0.2
Flat Bed Truck	74	0.4
Crane	81	0.2

Noise levels generated by a crane would be similar or less than noise levels generated by dredger, as they share similar function and characteristics

Ground Type	Hard
Source Height	8
Receiver Height	5
Ground Factor[3]	0.00

Predicted Noise Level [4]	dBA L_{eq} at 50 feet[4]
Impact Pile Driver w/ Wood Block	91.0
Crane	73.0
Flat Bed Truck	70.0
Crane	73.0

Noise levels generated by a crane would be similar or less than noise levels generated by dredger, as they share similar function and characteristics

Combined Predicted Noise Level (dBA L_{eq} at 50 feet)
91.2

Sources:

[1]Where measured values are not available, noise levels based on the Construction Noise Control Specifiction 721.560 were used.

[2] Obtained from the FHWA Roadway Construction Noise Model, January 2006. Table 1.

[3] Based on Figure 4-26 from the Federal Transit Noise and Vibration Impact Assessment, 2018 (pg 86).

[4] Based on the following from the Federal Transit Noise and Vibration Impact Assessment, 2018 (pg 177).

L_{eq}(equip) = E.L.+10*log (U.F.) - 20*log (D/50) - 10*G*log (D/50)

Where: E.L. = Emission Level;

U.F.= Usage Factor;

G = Constant that accounts for topography and ground effects (FTA 2018: pg 86); and

D = Distance from source to receiver.

Ground Vibration Distance Propagation Calculations for Stationary Sources

ASCENT

KEY: Orange cells are for input.
Grey cells are intermediate calculations performed by the model.
Green cells are data to present in a written analysis (output).

Project Name: Shelter Island Project

STEP 1: Determine units in which to perform calculation.

— If vibration decibels (VdB), then use Table A and proceed to Steps 2A and 3A.
— If peak particle velocity (PPV), then use Table B and proceed to Steps 2B and 3B.

STEP 2A: Identify the vibration source and enter the reference vibration level (VdB) and distance.

STEP 3A: Select the distance to the receiver.

Table A. Propagation of vibration decibels (VdB) with distance

Noise Source/ID	Reference Noise Level			Attenuated Noise Level at Receptor		
	vibration level (VdB)	@	distance (ft)	vibration level (VdB)	@	distance (ft)
Vibratory Roller	94	@	25	63	@	280
Hoe Ram	87	@	25	57	@	250

The Lv metric (VdB) is used to assess the likelihood for vibration to result in human annoyance.

Land Use Category	Human Annoyance Criteria GBV Impact Levels (VdB re 1 micro-inch/sec) Frequent Events	Occacional Events	Infrequent Events
Category 1: Buildings where vibration would interfere with interior operations.	65 VdB	65 VdB	65 VdB
Category 2: Residences and buildings where people normally sleep.	72 VdB	75 VdB	80 VdB
Category 3: Institutional land uses with primarily daytime use.	75 VdB	78 VdB	83 VdB

Source: Federal Transit Administration, pg 126

STEP 2B: Identify the vibration source and enter the reference peak particle velocity (PPV) and distance.

STEP 3B: Select the distance to the receiver.

Table B. Propagation of peak particle velocity (PPV) with distance

Noise Source/ID	Reference Noise Level			Attenuated Noise Level at Receptor		
	vibration level (PPV)	@	distance (ft)	vibration level (PPV)	@	distance (ft)
Pile Driver (impact - upper range)	1.518	@	25	0.040	@	282
Pile Driver (Sonic - upper range)	0.734	@	25	0.040	@	175
Pile Driver (impact - upper range)	1.518	@	25	0.500	@	52
Pile Driver (Sonic - upper range)	0.734	@	25	0.500	@	32

The PPV metric (in/sec) is used for assessing the likelihood for the potential of structural damage.

Construction Vibration Damage Criteria Building/Structural Category	PPV, in/sec	Approximate Lv
I. Reinforced-concrete, steel or timber (no plaster)	0.5	102
II. Engineered concrete and masonry (no plaster)	0.3	98
III. Non-engineered timber and masonry buildng	0.2	94
IV. Buildings extremely susceptible to vibration damage	0.12	90

Source: Federal Transit Administration, pg 186

Notes:
- Computation of propagated vibration levels is based on the equations presented on pg. 185 of FTA 2018.
- Estimates of attenuated vibration levels do not account for reductions from intervening underground barriers or other underground structures of any type, or changes in soil type.
- Frequenct Events are defined as more than 70 events per day; occasional events as 30--70 events per day; and infrequent events as fewer than 30 events per day

Reference:

Federal Transit Association (FTA). 2018 (September). Transit Noise and Vibration Impact Assessment Manual. FTA Report No. 0123. Washington, D.C. Accessed: December 20, 2020. Page Available:
https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-innovation/118131/transit-noise-and-vibration-impact-assessment-manual-fta-report-no-

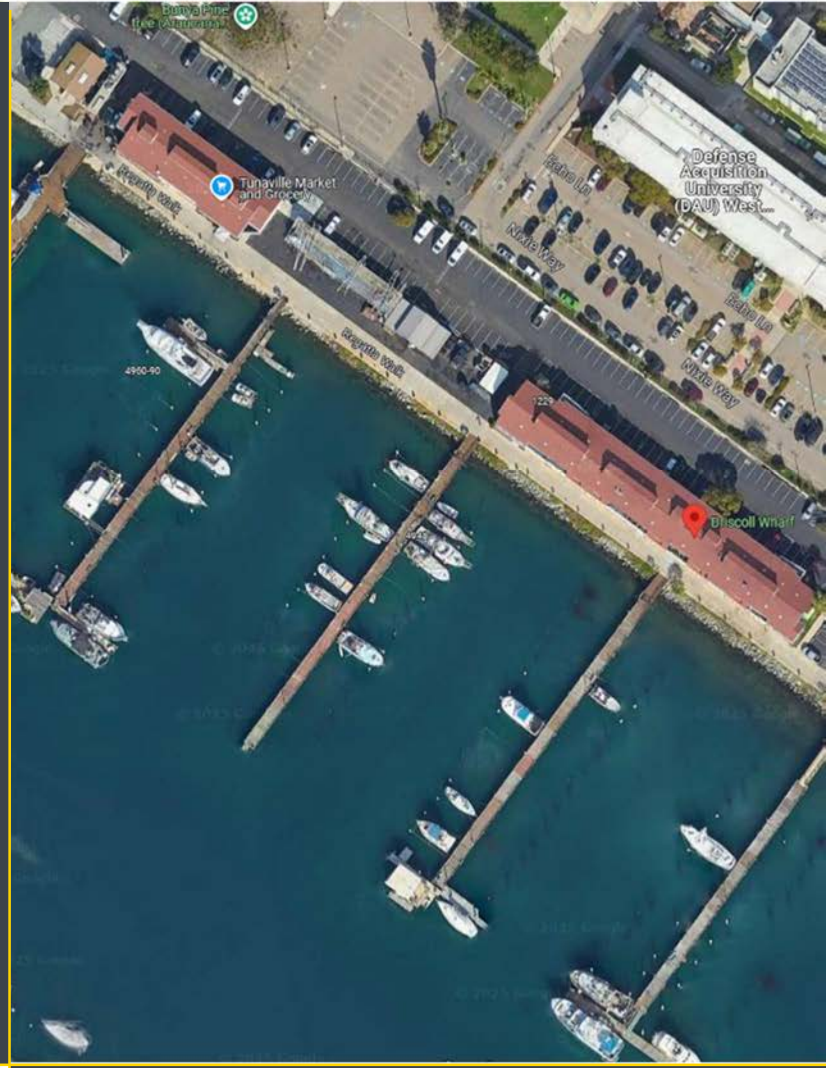
Appendix L

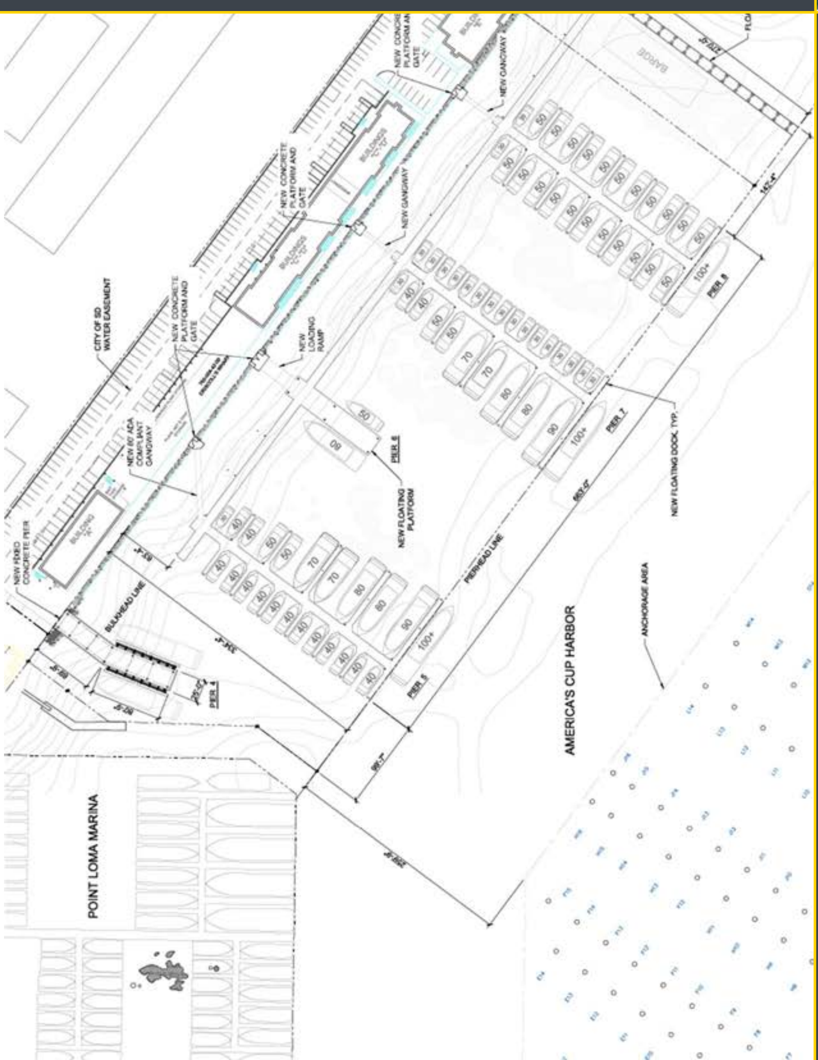
Transportation Impact Study

Transportation Impact Study

Shelter Island Commercial Fishing Wharf Project

November 6, 2025





Prepared For:

PORT of SAN DIEGO

ASCENT ENVIRONMENTAL

Prepared by:

Intersecting Metrics

PO BOX 1956
La Mesa, CA 91944
www.IntersectingMetrics.com

Table of Contents

List of Figures

List of Tables

1.0 Introduction

The purpose of this Transportation Impact Study (TIS) is to identify and document any significant transportation related impacts associated with the Shelter Island Commercial Fishing Wharf Project (Proposed Project), and to recommend mitigation measures for any identified impacts, as necessary.

1.1 Project Description

The Proposed Project entails the modernization of the wharf and marina through improved water facilities capable of supporting modern commercial fishing operations. This includes the demolition of landside structures including Building E and the hazardous materials storage shed, and the replacement of waterside structures Piers 4 through 8. The Proposed Project is located within the Driscoll's Wharf leasehold located at 4918 North Harbor Drive in San Diego, California. The site is accessed via Nixie Way from North Harbor Drive. The project location is displayed in **Figure 1.1** and the Proposed Project site plan is displayed in **Figure 1.2**.

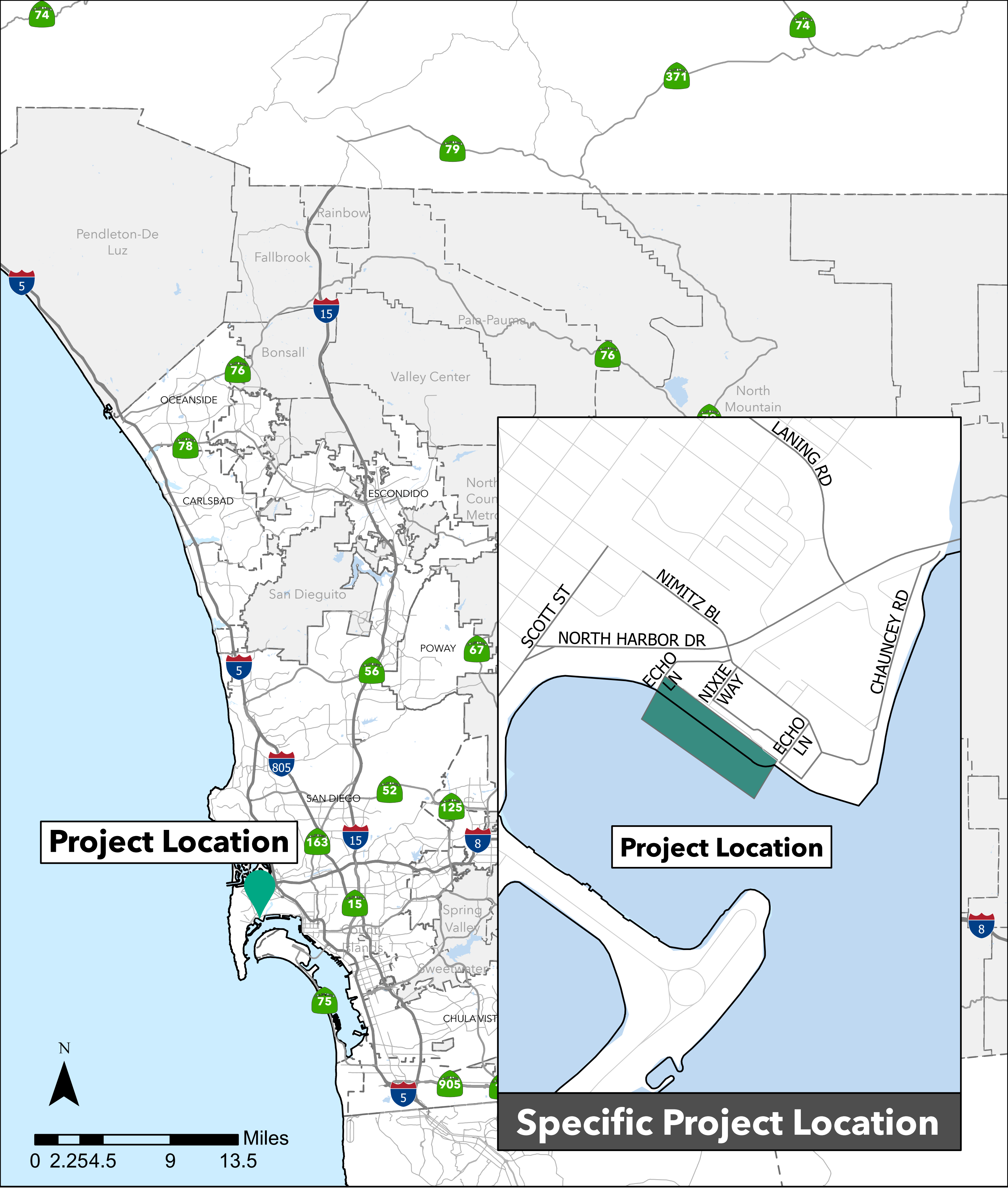
1.2 Report Organization

Following this Introduction chapter, this report is organized into the following sections:

2.0 *Analysis Methodology* – This chapter describes the methodologies and standards utilized to analyze and identify the transportation related impacts associated with the Proposed Project.

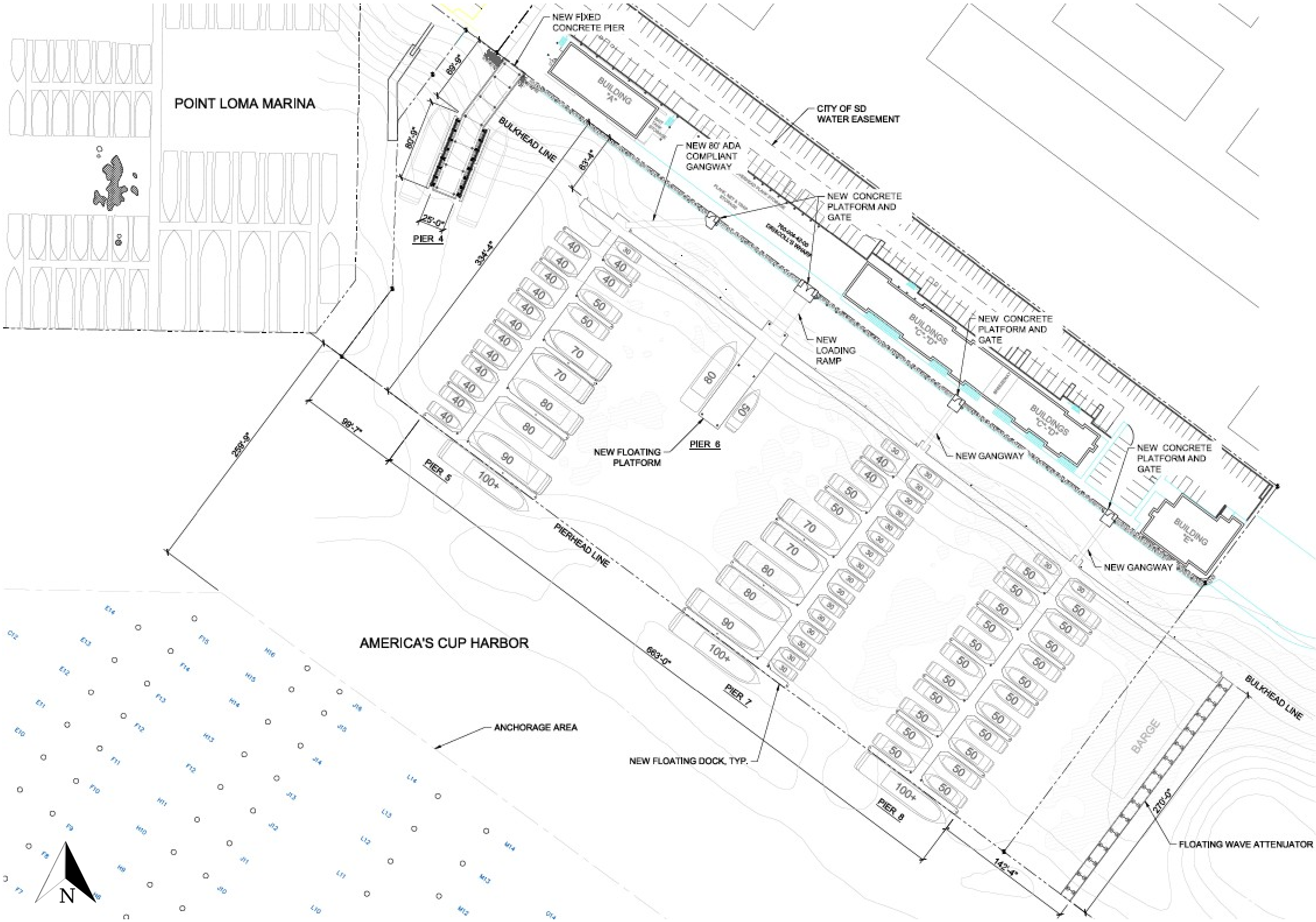
3.0 *Transportation Related Impacts and Mitigation* – This chapter derives and analyzes the projected Vehicle Miles Traveled (VMT) that will be generated by the Proposed Project. This chapter also identifies if the VMT generated by the Proposed Project would result in a significant project related impact, as it relates to the standards outlined in the California Environmental Quality Act (CEQA). Finally, the chapter provides recommendations for mitigation measures to reduce the identified transportation related impacts, if necessary, and evaluates the feasibility of the proposed mitigation measures. This chapter also evaluates the parking demand for the Proposed Project and determines if sufficient parking will be provided on-site.

4.0 *Construction Analysis* - This chapter evaluates the potential transportation related impacts that may be associated with the construction of the Proposed Project. Recommendations for mitigation measures to reduce any identified transportation related impacts to less than significant levels are provided, if necessary.



SHELTER ISLAND COMMERCIAL FISHING WHARF PROJECT

Figure 1
Project Location



SLIP MIX CHART			
LENGTH (FT)	TOTAL	LF OF BERTHING	%
30	20	600	26.7
40	16	640	21.3
50	26	1300	34.7
70	4	280	5.3
80	4	320	5.3
90	2	180	2.7
100	3	300	4.0
TOTALS	75	3620	100.0
AVERAGE LENGTH		48	

BOTTOM SHADING	
AREA	SF
DOCKS	27951.5
ATTENUATOR	3244
GANGWAYS	1368.3
PLATFORMS	698.3
FIXED PIER	3670.0
TOTAL	36932.1

Intersecting Metrics

SHELTER ISLAND COMMERCIAL FISHING WHARF PROJECT

Figure 2
Project Site Plan

2.0 Analysis Methodology

2.1 Background (SB-743)

On September 27, 2013, Governor Edmund G. Brown, Jr. signed California Senate Bill 743 (SB-743) into law, starting a process that would fundamentally change the way transportation impact analysis is conducted under CEQA. Within the State's CEQA Guidelines, these changes included elimination of auto delay, level of service (LOS), and similar measurements of vehicular roadway capacity and traffic congestion as the basis for determining significant impacts.

On December 2018, the Resources Agency certified and adopted the CEQA Guidelines update package, which included the California Natural Resources Agency Guidelines for the Implementation of the California Environmental Quality Act. As a result, the California Governor's Office of Planning and Research (OPR) released the *Technical Advisory on Evaluating Transportation Impacts in CEQA* (Technical Advisory) in December 2018[1]. Based on these updated guidelines, lead agencies had until July 1, 2020 to comply with the updated CEQA revision. Therefore, all lead agencies are now required to comply with the December 2018 CEQA guidelines, as well as the requirements outlined under SB-743.

2.2 CEQA Guidelines Section 15064.3

Section 15064.3(b) of the CEQA Guidelines outlines how transportation related impacts should be evaluated and identified under CEQA. This section was included within the December 2018 update to implement the demand outlined within SB-743:

(1) *Land Use Projects.* Vehicle miles traveled exceeding an applicable threshold of significance may indicate a significant impact. Generally, projects within one-half mile of either an existing major transit stop[2] or a stop along an existing high quality transit corridor[3] should be presumed to cause a less than significant transportation impact. Projects that decrease vehicle miles traveled in the project area compared to existing conditions should be presumed to have a less than significant transportation impact.

As outlined in the section, VMT must be used to evaluate the transportation related impacts associated with land use projects, except for projects located within a half-mile major transit stop that are presumed to have a less than significant impact.

2.3 VMT Metrics

For land use development projects, the Technical Advisory requires that the following metric be analyzed to determine if the project has a significant transportation related impact:

- *VMT/Employee* includes all vehicle-based person trips grouped and summed to the work location of individuals on the trip. This includes all trips, not just work-related trips. The VMT for each work location is then summed for all work locations in a particular census tract or traffic analysis zone (TAZ) and then divided by the total number of employees of the respective area to arrive at the VMT/Employee.

[1] https://opr.ca.gov/docs/20190122-743_Technical_Advisory.pdf

[2] Pub. Resources Code, § 21064.3 ("'Major transit stop' means a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods.").

[3] Pub. Resources Code, § 21155 ("For purposes of this section, a high-quality transit corridor means a corridor with fixed route bus service with service intervals no longer than 15 minutes during peak commute hours.").

3.0 Transportation Related Impacts & Mitigation

This chapter identifies if the Proposed Project related VMT/Employee would create significant project related impact, as it relates to the standards outlined in CEQA.

3.1 Trip Generation and VMT Production

The improvements included within the Proposed Project are only demolishing and/or replacing existing deficient facilities and structures that already exist on the Proposed Project site. The Proposed Project's operation will continue to support commercial fishing uses and there would be no increase in vessel berths. Additionally, no new landside buildings would be constructed. The current maximum number of existing employees on-site is 70 employees, and no additional employees are anticipated with the Proposed Project. Therefore, since the Proposed Project is not changing the number of employees that access the facilities on a daily basis, nor are they anticipated to increase the number of visitors, deliveries, or other services to the facility, the implementation of the Proposed Project is not anticipated to increase or change the travel patterns within the area nor is it anticipated to increase or affect the VMT/Employee or overall daily VMT in which the Proposed Project currently generates. As such, implementation of the Proposed Project will have a *less-than-significant transportation-related impact.*

3.2 Parking

As noted above, the improvements included within the Proposed Project are not anticipated to change the number of employees that access the commercial fishing facilities on a daily basis. As such, no additional parking demand is anticipated with the implementation of the Proposed Project. Therefore, implementation of the Proposed Project will have a *less than significant parking related impact.*

4.0 Construction Analysis

Construction of the various project components is anticipated to occur over a 48-month period as follows:

- Landside Demolition – 4 months duration starting April 2026
- Waterside Demolition Part 1 – 4 months duration starting August 2026
- Waterside Construction Part 1 – 4 months duration starting December 2026
- Waterside Demolition Part 2 – 2 months duration starting April 2027
- Waterside Demolition and Construction Part 2 – 16 months duration starting June 2027

The anticipated construction schedule is approximate and is provided for analysis purposes. The actual start and end dates for construction of the project components may vary, but the duration is not anticipated to change. The construction staging area would be located on-site. During landside demolition, construction staging would be located in the parking area east of the project site immediately adjacent to Building E that comprises of 36 parking spaces. Following the demolition of Building E, the cleared area would be used as construction staging for the remaining duration of the project, including waterside demolition and reconstruction. Pedestrian access to the shoreline at all pier locations would be maintained. During the demolition activities associated with the removal of Piers 4 through 8, pedestrian access would be closed temporarily. To accommodate for alternate pedestrian routes, a pedestrian walkway would be provided with appropriate signage to direct pedestrians around the construction area.

4.1 Construction Trip Generation

Construction would include a maximum of approximately 16 temporary construction workers per day. To be conservative, it is assumed that all construction workers would drive their own vehicles to the Proposed Project site and arrive during the AM peak hour and depart during the PM peak hour. It is assumed that truck trips would occur throughout the typical workday and outside of the typical commute peak hours. It is estimated that approximately 530 one-way truck trips (224 haul and 326 delivery) will occur over the 600 working-day construction period, with the peak truck activity occurring with 268 one way delivery truck trips occurring during the 280 workday period of the Waterside Construction Part 2. During this peak period, it is assumed that there will be two one-way truck trip per day (268 daily one-way trucks trips / 280 workdays = 0.96 one-way truck trips – rounded up to one inbound and one outbound trip per day).

Table 4.1 displays the daily and peak hour trip generation that is anticipated to be associated with Proposed Project construction.

Table 4.1 Proposed Project Construction Trip Generation

Type	Units	Trip Rate	PCE	ADT	AM Peak Hour		PM Peak Hour	
					In	Out	In	Out
Workers	16	3 trips per worker	1.0	48	48	0	0	48
Truck Trips	2	1 trip per truck	3.0	6	0	0	0	0
			Total	**54**	**48**	**0**	**0**	**48**

Note:
PCE: Passenger Car Equivalent – since the truck size is not known at this time, the maximum rate of 3.0 was used.

4.2 Construction VMT Analysis

Construction workers VMT is not newly generated; instead, it is redistributed throughout the network based on their travel to different work sites each day; therefore, the construction workers are not generating new VMT each day, only redistributing it. It is important to note that construction traffic is temporary and not expected to significantly increase VMT or permanently degrade operations of a roadway facility. This redistribution is considered to be nominal and momentary.

Additionally, per OPR's Technical Advisory, SB 743's intent is to plan for "long term climate goals", so projects with temporary affects to VMT and the transportation system are not deemed to be significant. Furthermore, Section 15064.3(a) of the CEQA Guidelines states, "For the purposes of this section, 'vehicle miles traveled' refers to the amount and distance of automobile travel attributable to a project.", which indicates that the term "automobile" refers to on-road passenger vehicles, specifically cars and light trucks per the Technical Advisory; therefore, larger on-road vehicles such as heavy-duty trucks do not fall within the categories of cars and light trucks and do not need to be considered in calculation of trips or VMT. Consequently, transportation impacts would be less than significant during the construction of the Proposed Project.

4.3 Construction Parking

Construction worker parking would be located on-site on adjacent surface lots during construction activities. As noted in Section 4.1, a maximum of 16 construction workers are anticipated to access the site on a daily basis. As such, the anticipated parking demand during Proposed Project construction would be 16 parking spaces. Additionally, construction staging would remain within the site lay down area, and all deliveries would be coordinated with vendors prior to delivery. During the demolition of Building E, the construction staging area would take place at the adjacent 36 parking spaces to Building E, and upon completion of the demolition, construction would move in the newly cleared area for the remainder of construction.

There are currently 194 parking spaces on the project site. Conservatively assuming that each of the existing/proposed 70 employees drive to the site alone would yield a surplus of 124 parking spaces (194 parking spaces – 70 employee parking = 124 parking spaces). Therefore, the *Proposed Project would not cause a construction parking deficiency* as there would be a sufficient parking supply to serve the visitors, delivery trucks, 16 construction workers, as well as the 36 parking spaces that will be temporarily displaced during demolition of Building E.