APPENDIX G

IN-WATER HULL CLEANING PAUSE WATER QUALITY MONITORING TECHNICAL REPORT

FINAL IN-WATER HULL CLEANING PAUSE WATER QUALITY MONITORING TECHNICAL REPORT



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ACRONYMS AND ABBREVIATIONS

AFP antifouling paint

Amec Foster Wheeler Environment & Infrastructure, Inc.
CEDEN California Environmental Data Exchange Network

COC chain-of-custody

ELAP California Environmental Laboratory Accreditation Program

EMC event mean concentration

ER equipment rinsate

FB field blank

Hull Cleaning Pause In-Water Hull Cleaning Pause

ID identifier
IE initial exposure

LCS laboratory control sample

LIMS Laboratory Information Management System

MLLW mean lower low water

Monitoring Program In-Water Hull Cleaning Pause Water Quality Monitoring Program

MS matrix spike

MS4 Municipal Separate Storm Sewer System

MSD matrix spike duplicate

N/A not applicable

NAVWAR Naval Information Warfare Systems Command

ND non-detect

NELAP National Environmental Laboratory Accreditation Program

NOAA National Oceanic and Atmospheric Administration

NR not recorded

Pause In-Water Hull Cleaning Pause PDF Portable Document Format

PES polyethersulfone
PM project manager
Port Port of San Diego

Q quarter

QA quality assurance

QAPP Quality Assurance Project Plan

QC quality control

Regional Board San Diego Regional Water Quality Control Board

SAP Sampling and Analysis Plan

SE standard error

SIYB Shelter Island Yacht Basin

SIYB TMDL Shelter Island Yacht Basin Dissolved Copper Total Maximum Daily Load

SM Standard Method

SR_{CE} surface refreshment from cleaning event

SOP standard operating procedure

SPAWAR Navy Space and Naval Warfare Systems Center Pacific

SWAMP Surface Water Ambient Monitoring Program
SWRCB State Water Resources Control Board

TMDL Total Maximum Daily Load TSS total suspended solids

ACRONYMS AND ABBREVIATIONS (CONTINUED)

USEPA United States Environmental Protection Agency

Weck Laboratories, Inc.

Wood Wood Environment & Infrastructure Solutions, Inc.

WQ water quality

WQO water quality objective

UNITS OF MEASURE

% percent \pm plus or minus \pm degree(s) Celsius

Cu µg/cm⁻²d⁻¹ copper leach rate in microgram(s) per square centimeter per day

μg/L microgram(s) per liter μm micrometer(s) or micron(s)

ft foot/feet in. inche(s)

kg/yr kilogram(s) per year mg/L milligram(s) per liter ppt part(s) per thousand

EXECUTIVE SUMMARY

This technical report presents the findings of the In-Water Hull Cleaning Pause (Hull Cleaning Pause or Pause) Water Quality Monitoring Program conducted in Shelter Island Yacht Basin (SIYB) from November 2021 through March 2022. The Hull Cleaning Pause Monitoring Program was designed to evaluate the potential impacts of hull cleaning on water quality in SIYB.

SIYB waters contain dissolved copper concentrations that have exceeded the dissolved copper water quality objectives (WQOs) and may threaten and impair the wildlife habitat and marine habitat beneficial uses in the basin (San Diego Regional Water Quality Control Board [Regional Board], 2005). Because of these exceedances, SIYB was placed on the list of impaired water bodies compiled pursuant to federal Clean Water Act Section 303(d).

To address this impairment, the SIYB Dissolved Copper Total Maximum Daily Load (SIYB TMDL) was adopted in 2005 under Resolution No. R9-2005-0019 (Regional Board, 2005). As part of the TMDL process, a conceptual model was developed to assign loading estimates to various copper sources in SIYB and resolve impairment by requiring a reduction in loading of dissolved copper into SIYB waters from the identified sources. One of the primary sources of dissolved copper loading is the passive leaching of copper-based antifouling paints (AFPs) applied to the vessels moored in SIYB, and the other is the in-water hull cleaning of these copper-based AFPs.

In the SIYB TMDL Conceptual Model, 5 percent (%) of the annual dissolved copper load to SIYB is attributed to hull cleaning of copper-based AFPs, while 93% is attributed to passive leaching of copper-based AFPs (Regional Board, 2005). However, a more recent study (Earley et al., 2013) found that dissolved copper leach rates were enhanced not only during the initial cleaning, but for two to three days following the cleaning event, and then slowly declined until reaching a "pseudo steady state" approximately 30 days post-cleaning. As such, the Earley et al. (2013) study suggests that dissolved copper loading associated with hull cleaning may account for a greater load contribution (i.e., greater than 5%) than previously modeled in the TMDL.

To better understand the relationship between hull cleaning and water quality in SIYB, the Port of San Diego (Port) (1) implemented a temporary pause in hull cleaning of vessels with copper-based AFPs in SIYB, and (2) conducted water quality monitoring before, during, and after the Hull Cleaning Pause to evaluate dissolved copper levels in SIYB. This effort was conducted in partnership with the Regional Board.

Based on the findings presented in Earley et al. (2013), it was theorized that a complete pause in hull cleaning in SIYB for longer than the 30-day period expected for copper release rates to return to a "pseudo steady state" would result in an observable decrease in dissolved copper levels in the basin, as the load contribution from hull cleaning was reduced to zero. It was further theorized that if the hull cleaning load was substantially greater than the modeled 5% from the SIYB TMDL, then a corresponding decrease in dissolved copper may shift the basin-wide water quality substantially closer to the 3.1 micrograms per liter (μ g/L) water quality standard.

The Hull Cleaning Pause Water Quality Monitoring Program was designed to address the following question:

How does a pause in hull cleaning affect dissolved copper concentrations in SIYB?

The Port adopted an amendment to its Hull Cleaning Ordinance (Article 4.14 of the District Code) to implement a temporary pause in hull cleaning. The ordinance amendment prohibited the hull cleaning of vessels with copper-based AFPs in SIYB from December 19, 2021 through February 9, 2022 (approximately eight weeks).

To assess the effects that a pause in hull cleaning could have on dissolved copper levels in the water, a 16-week Monitoring Program was designed and implemented in SIYB concurrently with the Hull Cleaning Pause. The program included the following components:

- Hull cleaning inspections and visual observations: To ensure compliance with the Hull Cleaning Ordinance amendment, Port staff conducted frequent inspections throughout SIYB during the Hull Cleaning Pause to look for hull cleaning activity and document visual observations of hull fouling and water conditions in the basin. Additionally, the Port established alternative locations to allow vessels with copper-based AFPs to be cleaned outside of SIYB during the Hull Cleaning Pause.
- 2. Weekly water quality monitoring: Surface water quality sampling was performed weekly for the duration of the Monitoring Program to evaluate concentrations of dissolved copper in SIYB for four weeks leading up to the Hull Cleaning Pause, eight weeks during the Pause, and four weeks following the Pause. Samples for dissolved copper analyses were collected from 13 core monitoring stations plus two reference stations every week and supplemented with samples from seven additional enhanced stations every other week.
- Storm monitoring event: Stormwater sampling and surface water quality sampling was
 performed before and after one storm event during the Monitoring Program to evaluate
 potential effects of stormwater discharge on copper levels in SIYB and on the Hull
 Cleaning Pause monitoring results.

Key findings from each component of the Monitoring Program are presented below.

- There was an apparent increase in the dissolved copper levels throughout the basin during the Pre-Pause period and extending through the first two weeks of the Pause, particularly at the inner basin stations and the stations in closer proximity to vessels (i.e., enhanced stations). There was also a noticeable increase in hull cleaning activities in the last two weeks of the Pre-Pause period as boaters and hull cleaners prepared for the Hull Cleaning Pause. Under the assumption that dissolved copper leach rates spike following cleaning events, the increase in dissolved copper concentrations observed during the Pre-Pause period and beginning of the Pause period, particularly in the inner basin, could be attributed to an increase in hull cleaning activities.
- After the first two weeks of the Pause, dissolved copper concentrations began to trend downward over the remainder of the Pause period. This trend continued through the Post-Pause period. This finding was consistent with that presented in Earley et al. (2013), with the expected spike in dissolved copper concentrations from hull cleaning activities gradually diminishing as concentrations returned to "pseudo steady state" after the first 30 days of the Pause. The hull cleaning inspections conducted throughout the eight-week Hull Cleaning Pause did not find any instances where divers were cleaning or had cleaned (via dive tag observations) vessels with copper-based AFPs. This finding was further supported by the notable increase in marine growth (fouling) on vessel hulls throughout the basin over the course of the Pause.

- Following the Pause, it was assumed that hull cleaning frequency would increase to Pre-Pause levels as cleaning activities resumed. However, observations during dock walks conducted in the Post-Pause period did not indicate a notable increase in hull cleaning, suggesting that there may have been a delay in resuming routine hull cleaning activities following the Pause. This may have contributed to the continued slight downward trend in dissolved copper concentrations following the Pause.
- The results of the pre- and post-storm weekly monitoring events suggested that stormwater discharge did not contribute a substantial amount of copper loading to SIYB. While the storm did appear to have an overall mixing effect on the spatial distribution of dissolved copper in SIYB (i.e., more uniform concentrations throughout the basin after the storm), the basin-wide average dissolved copper concentrations remained the same before and after the storm (11 µg/L). As such, storm events and associated stormwater runoff are not expected to have had any significant impact on dissolved copper levels or conclusions related to the effects of hull cleaning on dissolved copper concentrations throughout the Monitoring Program.
- While there was an observed decrease in basin-wide dissolved copper levels during the Pause and Post-Pause periods, it should be noted that the basin-wide average measured during the final week of the Monitoring Program (7.2 μg/L in Week 16) was similar to that measured during Week 1 (6.5 μg/L). These basin-wide average dissolved copper concentrations were also consistent with those measured during previous TMDL monitoring events (Wood, 2022a).
- While a pause in the hull cleaning of vessels with copper-based AFPs does decrease the load of dissolved copper into the basin, leading to subsequent reductions in dissolved copper concentrations, it appears that changes to the basin-wide dissolved copper concentrations are minimal when compared with the passive leaching of copper-based AFPs, which is the predominant source of copper loading to the basin.
- Despite observed decreases in dissolved copper levels during the Pause and Post-Pause periods, the total cessation of hull cleaning during the Monitoring Program was insufficient to reduce the basin-wide dissolved copper levels to a level that would achieve the current water quality standard (3.1 µg/L).

This report is intended to present results from the Monitoring Program to enable stakeholders, including regulatory agencies, to use this information to discuss and determine next steps for SIYB and other copper-related regulatory actions, where applicable. It should be noted that limitations to these findings include both the Monitoring Program location (i.e., SIYB) and duration of the Hull Cleaning Pause period. It is unknown whether a pause in hull cleaning of copper-based AFPs in a different location or for a longer duration would result in a more substantial reduction in dissolved copper.

1.0 INTRODUCTION

This technical report presents the results of the In-Water Hull Cleaning Pause (Hull Cleaning Pause or Pause) Water Quality Monitoring Program (Monitoring Program) conducted in Shelter Island Yacht Basin (SIYB) from November 2021 through March 2022. This Monitoring Program was designed to evaluate the potential impacts of hull cleaning on water quality in SIYB.

To better understand the relationship between hull cleaning and water quality in SIYB, the Port of San Diego (Port) (1) implemented a temporary pause in hull cleaning of copper-based antifouling paints (AFPs) in SIYB, and (2) conducted water quality monitoring before, during, and after the Hull Cleaning Pause to evaluate dissolved copper levels in SIYB. This effort was conducted in partnership with the San Diego Regional Water Quality Control Board (Regional Board).

A combined Sampling and Analysis Plan (SAP) and Quality Assurance Project Plan (QAPP) was prepared by Wood Environment & Infrastructure Solutions, Inc. (Wood), in collaboration with the Port and Regional Board, and finalized in November 2021 (Wood, 2021a). The combined SAP/QAPP details the Monitoring Program designed and implemented to address the following question:

How does a pause in hull cleaning affect dissolved copper concentrations in SIYB?

1.1 Background

SIYB waters contain dissolved copper concentrations that have exceeded the dissolved copper numeric water quality objectives (WQOs), as well as the toxicity and pesticides narrative WQOs. These water quality conditions may threaten and impair the wildlife habitat and marine habitat beneficial uses in the basin (Regional Board, 2005). Because of these exceedances, SIYB was placed on the list of impaired water bodies compiled pursuant to federal Clean Water Act Section 303(d). To address this impairment, the SIYB Dissolved Copper Total Maximum Daily Load (SIYB TMDL) was adopted in 2005 under Resolution No. R9-2005-0019 (Regional Board, 2005). As part of the TMDL process, a conceptual model was developed to assign loading estimates to various copper sources in SIYB and resolve impairment by requiring a reduction in loading of dissolved copper into SIYB waters from the identified sources. As stated in the SIYB TMDL, to achieve compliance by the end of 2022, the dissolved copper load to SIYB must be reduced to an annual load of 567 kilograms per year (kg/yr).

Recreational marine vessels moored in harbors and marinas are subject to biofouling (i.e., attachment and growth of aquatic organisms on vessel surfaces). Vessel hulls are commonly coated with copper-based AFPs that act as a toxicant by releasing copper and inhibiting growth of fouling organisms. Periodic hull cleaning occurs throughout the coating life cycle to maintain a bottom surface that is free of marine organisms. Copper loading associated with passive leaching of AFPs and periodic cleaning activities to refresh the paint surface results in dissolved copper levels that exceed current water quality regulatory criteria in SIYB.

The SIYB TMDL Conceptual Model identifies that copper-based AFP sources contribute the majority of dissolved copper loading to SIYB. The greatest source of loading is the passive leaching of copper-based AFPs applied to the vessels moored in SIYB, accounting for approximately 93 percent (%; 2,000 kg/yr of copper) of total loading. The SIYB TMDL Conceptual

Model identifies that hull cleaning of copper-based AFPs accounts for approximately 5% (100 kg/yr of copper) of total loading (Regional Board, 2005). Other sources¹ were found to be nominal in the SIYB TMDL Conceptual Model.

A study conducted by the Navy Space and Naval Warfare Systems Center Pacific (SPAWAR) (now known as Naval Information Warfare Systems Command [NAVWAR]) evaluated leach rates resulting from both the act of hull cleaning and its residual effects following the active cleaning of the hull over the life cycle of a paint. This study titled, "Life Cycle Contributions of Copper from Vessel Painting and Maintenance Activities" (Earley et al., 2013), used in situ data collection methods and best available science to evaluate copper loading and potential environmental impacts associated with hull cleaning. This study measured copper release rates following periodic hull cleaning events to better understand the relative contribution of passive leaching and hull cleaning to annual loading over an estimated three-year paint life cycle. A graphical depiction of the life cycle of a copper-based AFP based on the findings presented in Earley et al. (2013) is provided in Figure 1-1. The life cycle of the paint includes initial exposure (IE) after paint application, followed by paint surface refreshment via cleaning events (SR_{CE}) every 21 days during summer months (June, July, August) and every 28 days during non-summer months.

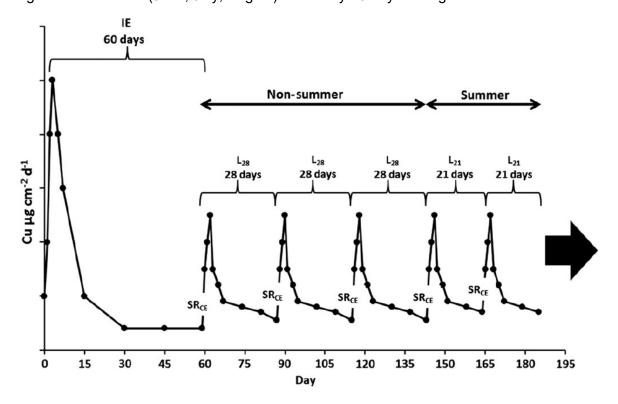


Figure 1-1. Copper Leach Rates Over Hull Paint Life Cycle (Earley et al., 2013)

Credit: Early et al. (2013)

Notes: Cu μg/cm⁻²d⁻¹ = copper leach rate in microgram(s) per square centimeter per day; IE = initial exposure; L21 = 21 days between cleaning events; L28 = 28 days between cleaning events; SR_{CE} = surface refreshment from cleaning event

As stated in the Regional Board Technical Report, dissolved copper loading from urban runoff is marginal compared with loading from the other anthropogenic sources, at approximately 1% (30 kg/yr) of the total load. In addition, copper is found naturally in seawater, and background loading accounts for approximately 1% (30 kg/yr). Direct atmospheric deposition was also determined to be a relatively insignificant contributor of dissolved copper, accounting for less than 1% (3 kg/yr) of the total load. Lastly, sediment was found to act primarily as a sink, rather than a source, of dissolved copper under current loading conditions to SIYB (Regional Board, 2005).

The study results indicate that copper leach rates spike for two to three days following each cleaning event and then slowly decline until reaching a "pseudo steady state" approximately 30 days after cleaning. The study further indicates that increases in copper leach rates may occur for approximately 30 days following hull cleaning activity, which can vary the contribution of hull cleaning-related loading from 5% to more than 40% of annual copper load per vessel, depending on the cleaning methods and frequency.

Findings presented in Earley et al. (2013) suggest that loading associated with hull cleaning may account for a greater percentage of loading than previously modeled in the SIYB TMDL. However, the relationship between copper loading associated with hull cleaning and water quality (i.e., dissolved copper concentrations) is unclear. Thus, a recommendation was made in the 2020 SIYB Dissolved Copper TMDL Annual Monitoring and Progress Report (Wood, 2021b) to fill data gaps associated with the effects of hull cleaning on water quality. The Hull Cleaning Pause and concurrent water quality monitoring program described in this report were designed and implemented to fulfill this recommendation.

1.2 Report Organization

This Hull Cleaning Pause Water Quality Monitoring technical report is organized as follows:

- Section 1, **Introduction**, introduces the Hull Cleaning Pause Water Quality Monitoring Program, including background information and objectives.
- Section 2, Methods, describes the Monitoring Program design components, including hull cleaning inspection, field sampling, and analytical methodology, as well as quality assurance (QA) and quality control (QC) procedures used during water quality monitoring and data analysis.
- Section 3, Results and Discussion, presents and discusses hull cleaning inspection and water quality monitoring results, including an assessment of data quality and usability for the analytical chemistry results.
- Section 4, **Summary of Monitoring Program Findings**, summarizes findings and addresses the Monitoring Program question and objectives.
- Section 5. References, lists references for literature sources cited in this document.

2.0 METHODS

The Monitoring Program was designed to evaluate how a pause in hull cleaning of vessels with copper-based AFPs affects dissolved copper concentrations in SIYB. The Port adopted an amendment to its Hull Cleaning Ordinance (Article 4.14 of the District Code) to implement a temporary pause in hull cleaning. The ordinance amendment prohibited the hull cleaning of vessels with copper-based AFPs in SIYB from December 19, 2021 through February 9, 2022 (approximately eight weeks).

To assess the effects that a pause in hull cleaning could have on dissolved copper levels in SIYB waters, a concurrent 16-week Monitoring Program was designed and implemented in SIYB in accordance with the project-specific SAP and QAPP (Wood, 2021a). The program included the following components:

- Hull cleaning inspections and visual observations: To ensure compliance with the Hull Cleaning Ordinance amendment, Port staff conducted frequent inspections throughout SIYB during the Hull Cleaning Pause to look for hull cleaning activity and document visual observations of hull fouling and water conditions in the basin. Additionally, the Port established alternative locations to allow vessels with copper-based AFPs to be cleaned outside of SIYB during the Hull Cleaning Pause.
- Weekly water quality monitoring: Surface water quality sampling was performed weekly
 for the duration of the 16-week Monitoring Program to evaluate concentrations of
 dissolved copper in SIYB before, during, and after the pause in hull cleaning.
- Storm monitoring event: Stormwater sampling and surface water quality sampling was
 performed before and after one storm event during the Monitoring Program to evaluate
 potential effects of stormwater discharge on copper levels in SIYB and on the Hull
 Cleaning Pause monitoring results.

This section describes the methodology, as well as QA/QC procedures used throughout the Monitoring Program and subsequent data analyses.

2.1 Hull Cleaning Inspections and Visual Observations

The Hull Cleaning Pause inspection process included multiple phases: (1) check in/paperwork review, (2) dock walk inspections, and (3) enforcement, when necessary.

An inspection form was developed to document observations for each step of the inspection process. All parts of the inspection were completed while onsite. The process below summarizes inspection methods.

2.1.1 Check In/Paperwork Review

Inspectors notified the facility manager or dock master of their arrival and coordinated the paperwork review and inspection with that representative, as applicable. Inspectors reviewed the facility's check-in log to see which divers, if any, had accessed the facility that day, including those present at the time of inspection.

If divers were currently checked in or had been at that facility at any point during the day, inspectors recorded the diver name, hull cleaning company, and purpose of their activity as stated to the facility at check-in on the inspection form. Inspectors also reviewed the marina's check-in list to see whether cleaning may be occurring on vessels with non-copper hull paint.

Non-copper paints were confirmed and cleared for cleaning either prior to or during the Hull Cleaning Pause when either the marina manager, boat owner, or hull cleaning company provided documentation showing validation of non-copper paint for a specific vessel, along with facility and slip number, directly to Port staff. Port staff used the following tools to confirm the product was non-copper:

- Reviewed documentation verifying boatyard application of a non-copper paint;
- Compared provided product information with a list of commonly used confirmed non-copper paints in SIYB; or
- Performed online research to find additional information about the provided product to confirm its non-copper status.

When non-copper-painted vessels were confirmed, they were added to a list that was kept in the field binder, allowing inspectors to reference the paint status of a vessel in the field if divers were found cleaning the vessel during inspections.

2.1.2 Dock Walk Inspection

Upon arrival on the docks, inspectors conducted a broad and general assessment of the overall facility conditions in terms of topside and in-water activities, water conditions, and weather, and completed the "General Observations" section of the inspection form (see Appendix A).

Inspectors walked the dock slips to identify either the presence of hull cleaners conducting work² and/or dive tags/receipts left at slips as notification of a previous visit. Inspectors reviewed the business dive tags and recorded the information on the inspection form section, including date of visit, purpose of visit, company name, and slip number.

If divers were observed in the water, inspectors approached the vessel and observed their activities to see whether the diver was conducting hull cleaning or general vessel maintenance on non-copper AFP painted surfaces (such as the cleaning of propellers and/or zinc anode replacement). Inspectors inquired as to the divers' activities and requested to see their Port-authorized card and check the Port-generated authorized list for their name and business.

If cleaning was occurring on a pre-authorized non-copper hull, inspectors made note and continued their dock walk. If it appeared that hull cleaning was occurring on a vessel that may have copper paint, the diver was instructed by the inspector to stop work and exit the water. Documentation showing proper verification of non-copper paint was required to be provided to

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² Divers were permitted in the water to conduct routine maintenance (e.g., zinc anode replacement, engine maintenance) or to clean vessels with Port-verified non-copper hull paints.

the Port staff before cleaning activities could be resumed. The enforcement process was initiated if the hull cleaner and/or vessel owner were not able to provide hull paint verification.

Upon concluding the dock walk, inspectors checked out with the marina manager/dock master and discussed any discrepancies, including findings of hull cleaner activity on vessels with copper paints, or on vessels with potential non-copper paints that had not provided sufficient documentation.

2.1.3 Enforcement

The inspection process included steps for identifying instances that would trigger enforcement, if it was confirmed that a vessel with copper AFP was being cleaned. The process included a coordination step between Port staff and marina managers to identify the boater and obtain the needed information to begin enforcement procedures. It is important to note that for the entire inspection program, proper documentation of non-copper paints was provided in each instance of the cleaning that was observed in the field. As a result, no citations were issued.

2.1.4 Visual Observations for Marine Growth

Visual observations for marine growth were completed by inspectors throughout the Monitoring Program. Various vessels were photographed routinely during the Monitoring Program. Example photographs showing the steady increase in marine growth on vessel hulls over the course of the Hull Cleaning Pause are included in Section 3.1.2.

2.1.5 Alternative Cleaning Locations

During the Hull Cleaning Pause, boaters were able to clean their vessels outside of SIYB if desired. The Port identified and advertised the following options for boaters who wanted to keep their hulls clean during the Hull Cleaning Pause.

- Coordination with the local boatyards Boatyards were willing to have boaters contact them to schedule a haul-out for cleaning. Intrepid Landing offered special rates during the Hull Cleaning Pause to haul out and wash vessels from SIYB using a model of hauling out, cleaning, and putting vessels back into the water within a couple of hours. In addition to the special rates, the Port offered a subsidy that covered half the cost, making this a cost-effective alternative for power boats up to 40 feet in length and sailboats up to 45 feet in length. In total, approximately eight boaters utilized cleaning at Intrepid Landing.
- Encouragement of vessel use during the Hull Cleaning Pause Boaters were encouraged
 to use their vessels during the Hull Cleaning Pause period as an alternative to hull
 cleaning. It has been established that the amount of fouling on a vessel hull can be
 reduced by regular use of a vessel.

Additionally, boaters were able to make their own arrangements for cleaning outside of SIYB if they chose to do so; however, tracking this was not included as part of the inspection program.

2.2 Water Quality Monitoring Program

The water quality monitoring program included weekly dissolved copper monitoring before, during, and after the Hull Cleaning Pause, as well as a supplemental storm monitoring event. Detailed monitoring procedures, including monitoring station locations, timeline, sample collection, and analytical methods, are provided in the following subsections.

2.2.1 Monitoring Station Locations

Samples were collected weekly from 13 core monitoring stations in SIYB and two reference stations outside of SIYB (Table 2-1, Figure 2-1). A subset of the core monitoring stations and both reference stations were co-located with the stations monitored annually for TMDL compliance (SIYB-1 through SIYB-6, SIYB-REF-1, and SIYB-REF-2). Additional core monitoring stations were selected at the ends of docks along the outer edges of marinas³ and the main channel of SIYB to measure changes in dissolved copper concentrations that may result from a pause in hull cleaning activities. Samples were also collected biweekly from seven additional enhanced monitoring stations located within the inner portions of the marinas to provide supplemental data at a higher resolution and in closer proximity to vessels than the stations on the outer edges of the marinas along and within the main channel (Table 2-1, Figure 2-1).

The effect of a single large storm event on the influx of total and dissolved copper from stormwater was assessed by collecting samples from two outfalls located along the northwestern shoreline in the central region within SIYB (Table 2-2, Figure 2-2). Samples were also collected from core monitoring and reference stations after the storm to assess the effects of stormwater runoff on dissolved and total copper concentrations in the surface waters within SIYB.

Monitoring station coordinates are provided in Table 2-1 and depicted in Figure 2-1 for the core and enhanced monitoring stations and in Table 2-2 and Figure 2-2 for the outfalls. All stations were located using the Differential Global Positioning System. Weekly samples were collected either by dock or by vessel, as indicated in Table 2-1. Outfall samples were collected from land. To the greatest extent possible, samples were collected within approximately ±3 meters of the target coordinates.

-

³ Core monitoring stations were placed within or in the vicinity of each marina and yacht club in SIYB, as depicted in Figure 2-1.

Table 2-1.

Monitoring Station Target Coordinates – Weekly Monitoring

Collection Strategy S	tation Type		O - II 4!		
Ottategy	itation Type	Station ID ^a	Collection Order	Latitude	Longitude
	Reference	C-REF-2/SIYB-REF-2	1	32.70926	-117.22544
	Reference	C-REF-1/SIYB-REF-1	2	32.70406	-117.23232
	Enhanced	E-20	3 ^b	32.71154	-117.23218
	Core	C-12/SIYB-5	4	32.71217	-117.23297
	Enhanced	E-19	5 ^b	32.71517	-117.23316
	Core	C-10	6	32.71586	-117.23270
Vessel	Core	C-11	7	32.71448	-117.23569
	Core	C-9	8	32.71742	-117.23372
	Core	C-8/SIYB-4	9	32.71683	-117.23203
	Core	C-7/SIYB-3	10	32.71550	-117.22989
	Enhanced	E-17	11 ^b	32.71722	-117.22882
	Core	C-5	12	32.71632	-117.22906
	Core	C-1/SIYB-1	13	32.71821	-117.22601
	Core	C-13/SIYB-6	1	32.70858	-117.23514
	Enhanced	E-18	2 ^b	32.71434	-117.22819
	Core	C-6/SIYB-2	3	32.71412	-117.22921
	Enhanced	E-16	4 ^b	32.71557	-117.22658
Dock	Core	C-4	5	32.71623	-117.22729
	Enhanced	E-15	6 ^b	32.71646	-117.22573
	Core	C-3	7	32.71699	-117.22635
	Enhanced	E-14	8 ^b	32.71739	-117.22452
	Core	C-2	9	32.71783	-117.22538

Notes:

Table 2-2.

Monitoring Station Target Coordinates – Storm Event Outfall Monitoring

Collection Strategy	Station Type	Station ID	Latitude	Longitude
Landside	Stormwater Outfall	OF-1	32.71603	-117.23550
	Stormwater Outfall	OF-2	32.71892	-117.23144

Notes:

ID = identifier; OF- = outfall

C- = core; E- = enhanced; ID = identifier; REF- = reference; SIYB = Shelter Island Yacht Basin; TMDL = Total Maximum Daily Load

a. A subset of the core monitoring stations and both reference stations were co-located with the stations monitored annually for TMDL compliance. These stations include both the Hull Cleaning Pause station ID and the SIYB TMDL station ID for reference.

b. Enhanced stations were sampled biweekly and therefore were excluded from collection order during core monitoring events.



Figure 2-1. Target Core and Enhanced Monitoring Stations

Notes: BCM = Bay Club Marina; CN = Crow's Nest Yachts; GCA = Gold Coast Anchorage; HMM; Half Moon Marina; KKM = Kona Kai Marina; LPYC = La Playa Yacht Club; SDYC = San Diego Yacht Club; SGYC = Silver Gate Yacht Club; SIYB = Shelter Island Yacht Basin; SIM = Shelter Island Marina; SWYC = Southwestern Yacht Club; TL = Tonga Landing

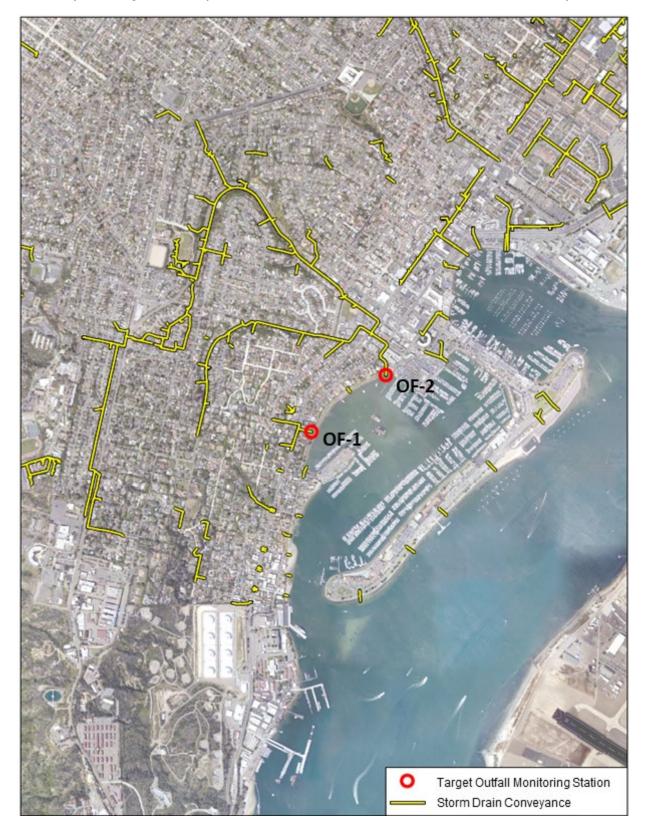


Figure 2-2. Target Outfall Monitoring Stations

2.2.2 Monitoring Timeline

The Hull Cleaning Pause Monitoring Program was divided into three phases spanning 16 weeks:

- Pre-Pause phase included weekly sampling for four weeks prior to the Hull Cleaning Pause.
- Pause phase included weekly sampling for eight weeks during the Pause.
- Post-Pause phase included weekly sampling for four weeks after the Pause.

Throughout the 16-week Monitoring Program, core and reference stations were sampled weekly, while enhanced stations were sampled biweekly (i.e., every other week; Table 2-3), to assess dissolved copper concentrations over time. Samples were collected at roughly the same time each week (generally Monday or Tuesday mornings), avoiding sampling immediately following rain events to minimize potential effects of stormwater runoff on sampling results. Because samples were collected weekly over a 16-week period, it was infeasible to collect samples at each individual station at the same tidal stage. However, the length of the Monitoring Program allowed for samples to be collected over a broad range of tidal cycles to be more representative of overall conditions in SIYB. To randomize the effects of tides over the course of the Monitoring Program, monitoring stations were sampled in the same order during each monitoring event. Sample collection times over the tidal cycle for each sampling date are shown in Figures 2-3 and 2-4.

In addition to weekly sampling, one qualifying storm event (i.e., event producing greater than 0.25 inch of rain) was sampled during the Monitoring Program to assess potential effects of stormwater runoff on copper levels in SIYB. Storm event sampling was conducted over three consecutive days (December 13–15, 2021) during Week 4 of the Pre-Pause phase, as follows:

- December 13, 2021: Pre-storm sampling at core and reference stations was conducted the day prior to the storm in conjunction with the routine weekly monitoring.
- December 14, 2021: The storm produced approximately 1 inch of rainfall at SIYB. Two major outfalls that discharge into SIYB (Figure 2-2) were sampled during the storm.
- December 15, 2021: Post-storm sampling at core and reference stations was conducted the day following the storm, during a similar tidal height and stage (outgoing tide) as the pre-storm sampling (Figure 2-4).

The stations sampled during each week of the Monitoring Program are outlined in Table 2-3.

Table 2-3.
Stations Sampled During Each Monitoring Event

		Sampling Date														
Stations Sampled	Pre-Pause (11/22/21-12/18/21)				Pause (12/19/21–2/9/22)					Post-Pause (2/10/22–3/8/22)						
Sampleu	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14	W15	W16
	11/22	11/30	12/7	12/13	12/20	12/28	1/4	1/11	1/19	1/25	1/31	2/9	2/14	2/21	3/1	3/8
Core + Ref	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
Enhanced		Χ		Χ		Χ		Х		Χ		Χ		Χ		Χ
Storma				Χ												

Notes:

[&]quot;X" indicates samples were collected; W = week; core stations include Stations C-1 through C-13; enhanced stations include Stations E-14 through E-20; reference (Ref) stations include Stations C-REF-1 and C-REF-2 (Table 2-1 and Figure 2-1).

a. Pre-storm receiving water samples were collected on 12/13/21 during routine weekly sampling. Outfall samples were collected during the storm on 12/14/21. Post-storm receiving water samples were collected on 12/15/21.

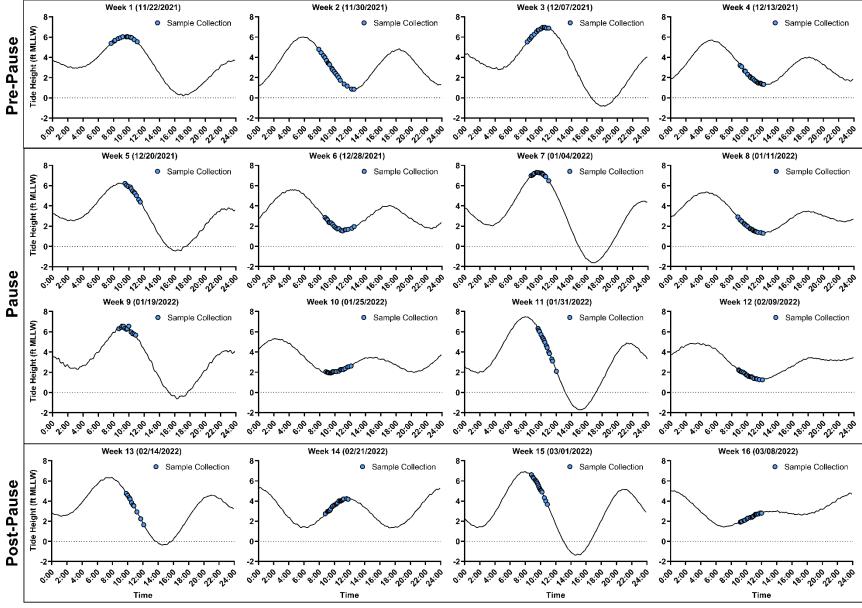


Figure 2-3. Sample Collection Times Over Tidal Cycles - Weekly Monitoring

Notes: ft = foot/feet: MLLW = mean lower low water: tide data obtained from National Oceanic and Atmospheric Administration (NOAA) San Diego Bay Station 9410170.

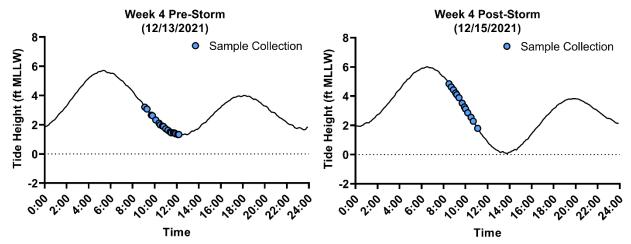


Figure 2-4. Sample Collection Times Over Tidal Cycles – Storm Monitoring Event

Notes: ft = foot/feet; MLLW = mean lower low water; tide data obtained from National Oceanic and Atmospheric Administration (NOAA) San Diego Bay Station 9410170.

2.2.3 Sample Collection

Samples were collected by two field teams; one team sampled directly from the docks, and one team sampled from a vessel⁴, each using the same sampling techniques. Samples were collected starting at the reference stations and continuing from the mouth of the basin toward the head of the basin. Samples were collected in the same order during each monitoring event to randomize the effects of tides over the course of the 16-week Monitoring Program. The specific sample collection order for each field team is identified in Table 2-1 (Section 2.2.1).

Upon arrival at each monitoring station, field teams measured the temperature and salinity of the surface water (i.e., 1 meter below the surface) using calibrated YSI ProDSS water quality meters. Water clarity was also estimated using Secchi disks. In addition, field observations were made at each monitoring station for hull cleaning activities or other conditions/activities that may impact water quality (if observed). Field data sheets, including field measurements and detailed field notes, are in Appendix B.

During each monitoring event, discrete surface water samples (i.e., 1 meter below the surface) were collected at each monitoring station using a Niskin bottle deployed from the dock or vessel⁴ in accordance with Surface Water Ambient Monitoring Program (SWAMP)-defined "Clean Hands/Dirty Hands" techniques (California State Water Resources Control Board [SWRCB], 2014) and the project-specific and approved SAP/QAPP (Wood, 2021a). As described in Section 2.2.2, core and reference monitoring stations were sampled weekly and enhanced monitoring stations were sampled biweekly for the duration of the Monitoring Program. Storm event sampling included collection of grab samples from two outfalls during the storm, as well as collection of surface water samples from the core monitoring and reference stations after the storm.

Upon collection, water samples were immediately field-filtered through a 0.45-micrometer (µm) polyethersulfone (PES) membrane filter using a bottle-top vacuum filtration system and

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⁴ The vessel used for monitoring is coated with a non-biocide hull paint (i.e., does not contain copper or other biocides).

transferred to labeled containers for analysis of dissolved copper. For the post-storm monitoring event, separate unfiltered samples were collected for analysis of total copper (outfalls and receiving water) and total suspended solids (TSS; outfalls only).

All water samples were logged on chain-of-custody (COC) forms and placed in coolers on ice. Samples were stored on ice and in the dark until delivered to Weck Laboratories (Weck) the following day for analysis. Samples for copper analyses were preserved upon arrival to Weck.

Field photographs from weekly water quality monitoring and storm monitoring events are included in Figures 2-5 and 2-6, respectively.

2.2.4 Equipment Decontamination and Cleaning

The Niskin bottles (one per sampling team) were cleaned using Alconox and thoroughly rinsed with deionized water prior to each monitoring event. Upon deployment at each monitoring station, the Niskin bottles were rinsed thoroughly with site water and allowed to equilibrate at the sampling depth (i.e., 1 meter below the surface) for at least one minute prior to sample collection. After collection, water samples were transferred from the Niskin bottles to laboratory-certified, contaminant-free sample bottles using "Clean Hands/Dirty Hands" techniques (SWRCB, 2014). In between sample collection at each monitoring station, each Niskin bottle was stored in a plastic-lined tub.



Photo A. To ensure compliance with the Ordinance, Port staff conducted frequent inspections throughout SIYB during the Pause to look for hull cleaning activity and document visual observations of the water in the basin.



Photo C. Surface water samples were collected using a Niskin bottle and following clean sampling techniques.



Photo B. Upon arrival at each monitoring station, water clarity was estimated using a Secchi disk (pictured above). In addition, temperature and salinity measurements were taken using a YSI ProDSS water quality meter.



Photo D. Water samples were filtered in the field immediately after collection for analysis of dissolved copper.

Figure 2-5. Weekly Water Quality Monitoring Field Photographs



Photo A. The storm event sampled during Week 4 produced approximately 1 inch of rainfall on December 14, 2021. Stormwater runoff from OF-1 at the time of sampling is depicted above.



Photo C. Stormwater grab samples were collected from two outfalls (OF-1 depicted in Photo A and OF-2 depicted in Photo C above).



Photo B. A large plume of particulates was visible in SIYB at the OF-1 discharge point.

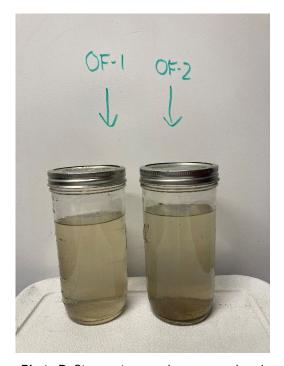


Photo D. Stormwater samples were analyzed for dissolved copper (field-filtered), total copper, and total suspended solids.

Figure 2-6. Storm Monitoring Event Field Photographs

2.2.5 Analytical Methods

Field measurements of temperature and salinity were taken at each station during each monitoring event. After each monitoring event, surface water samples were transported to the analytical laboratory (Weck) via courier under customary COC protocols. All weekly surface water samples were analyzed for dissolved copper. For the post-storm monitoring event, samples were also analyzed for total copper (outfalls and receiving water) and TSS (outfalls) to account for particulate copper that may be present in stormwater discharge. All chemical analyses were conducted by Weck in accordance with the certified United States Environmental Protection Agency (USEPA) analytical methods or Standard Methods (SM) listed in Table 2-4. The laboratory analytical methods and target method detection and reporting limits are specified in Table 2-4. Actual final method detection and reporting limits are provided in the chemistry laboratory reports in Appendix C.

Table 2-4.

Analytical Methods and Target Method Detection and Reporting Limits

Water Quality Measurement	Method	Method Detection Limit	Reporting Limit	Instrument Sensitivity
Salinity	Field-Measured (YSI ProDSS)	N/A	N/A	± 0.1 ppt
Temperature	Field-Measured (YSI ProDSS)	N/A	N/A	± 0.1 °C
Total Copper (seawater)	USEPA 1640	0.0038 µg/L	0.010 μg/L	N/A
Dissolved Copper (seawater)	USEPA 1640	0.0038 μg/L	0.010 μg/L	N/A
Total Copper (stormwater)	USEPA 200.8	0.13 μg/L	0.50 μg/L	N/A
Dissolved Copper (stormwater)	USEPA 200.8	0.13 μg/L	0.50 μg/L	N/A
Total Suspended Solids (stormwater)	SM 2540D	N/A	5 mg/L	N/A

Notes:

2.3 Quality Assurance and Quality Control

This section describes the QA/QC procedures for all field activities and laboratory analyses. Specific QA/QC procedures are provided in detail in the approved project-specific SAP/QAPP (Wood, 2021a).

2.3.1 Field QA/QC

Strict QA/QC procedures were followed throughout the Monitoring Program, from mobilization through delivery of samples to the analytical laboratory to minimize the possibility of compromising sample integrity. The sample collection team was trained in and followed field sampling standard operating procedures (SOPs), as described in the project-specific SAP and QAPP (Wood, 2021a). Additionally, Port-approved field QA logs were used during the first monitoring event, and

[°]C = degree(s) Celsius; µg/L = microgram(s) per liter; mg/L = milligram(s) per liter; N/A = not applicable; ppt = part(s) per thousand; SM = Standard Method; USEPA = United States Environmental Protection Agency

periodically thereafter at a subset of monitoring stations, to ensure that all field collection procedures were consistent between monitoring events and among stations, and all required field data were recorded properly (see Appendix B).

Field water quality meters were checked and calibrated in accordance with the manufacturer's specifications prior to each monitoring event. During sample collection, field team members wore powder-free nitrile gloves and avoided contamination of samples at all times by using the SWAMP "Clean Hands/Dirty Hands" techniques. All samples were collected in laboratory-supplied, laboratory-certified, contaminant-free sample bottles.

As required by SWAMP protocols, a co-located field duplicate (hereafter referred to as a field duplicate) was collected at one randomly selected monitoring station during each monitoring event. Each field duplicate sample consisted of a second sample collected for analysis to assess variability in sampling procedures, as well as ambient conditions. The field duplicate samples were analyzed for the same suite of parameters used for the primary test samples. In addition to the field duplicate samples, one equipment rinse blank⁵ and one field blank were collected for each monitoring event.

Customary COC procedures were used for all samples throughout the collection, transport, and analytical processes. Completed COC forms are provided in the laboratory reports in Appendix C. The project-specific SAP/QAPP (Wood, 2021a) provides more information regarding COC procedures.

2.3.2 Laboratory Analytical QA/QC

The analytical laboratory (Weck) is accredited by the National Environmental Laboratory Accreditation Program (NELAP; Certificates #4047-008 and #4047-009) and/or California Environmental Laboratory Accreditation Program (ELAP; Certificate #1132) for the specific analytical methods that were performed at the time the samples were analyzed. The QA objectives for chemical analyses conducted by Weck are provided in their laboratory QA manual and in the SAP/QAPP (Wood, 2021a). Results of all laboratory QA/QC analyses are provided in the laboratory reports in Appendix C. Any QC samples that failed to meet the specified QA/QC criteria in the methodology or QAPP were identified, and the corresponding data were appropriately qualified in the final laboratory reports. A QA/QC summary discussing any QA/QC issues encountered and associated corrective actions is included in Section 3.5 of this report.

2.4 Data Review, Management, and Analysis

Field and laboratory data were reviewed for completeness and accuracy prior to data analysis and reporting and were stored in a project-specific Excel database, as described further below.

2.4.1 Data Review

After each monitoring event, field data sheets were checked for completeness and accuracy by the field staff and field project manager (PM). In addition, all sample COC forms were checked

⁵ Because two Niskin bottles were required (one for each sampling team), the equipment rinse blanks were collected from one Niskin bottle per week, alternating between bottles over the 16-week Monitoring Program.

against sample labels prior to sample transport to the analytical laboratory. In the analytical laboratory, technicians documented sample receipt in laboratory logbooks, and samples were logged into the electronic Laboratory Information Management System (LIMS) for sample tracking purposes to ensure that holding times were met and samples were efficiently analyzed. Logbooks were maintained for each instrument to provide hardcopy documentation of analytical runs, and data generated by each instrument were directly uploaded to the LIMS for data review and processing. Data validation was performed within the LIMS and included application of both performance-based and project-specific QC criteria to reject or accept specific data. Data for laboratory analyses were entered directly onto data sheets. The technician who generated the data had primary responsibility for the accuracy and completeness of the data.

All data were subsequently reviewed and verified by each laboratory section supervisor and released to the laboratory PM to determine whether data quality objectives had been met for final reporting, and whether appropriate corrective actions had been taken when necessary. Any necessary corrective actions were coordinated with the laboratory project manager, the laboratory QA/QC director, and the Wood PM for resolution.

2.4.2 Data Management

After completion of the data review by the analytical laboratory PM, results were forwarded to Wood in Adobe Portable Document Format (PDF) for internal review by the Wood Analytical QA Officer. Analytical reports received from the laboratory for each monitoring event are included in Appendix C. All reviewed analytical data were compiled into an Excel database and uploaded into the California Environmental Data Exchange Network (CEDEN).

2.4.3 Data Analysis

Following internal QA/QC review of the analytical data by Wood's QA Officer, raw data were summarized in data tables and figures presented in Section 3 and Appendix D. All data included in summary tables and figures were compared with raw laboratory reports to ensure completeness and accuracy.

This 16-week Monitoring Program was designed to measure and compare dissolved copper concentrations before, during, and after the Hull Cleaning Pause. Data analysis included a comparison of the dissolved copper concentrations during each phase of the Monitoring Program for (1) the basin as a whole (i.e., basin-wide averages), (2) individual monitoring stations, and (3) inner, middle, and outer basin regions. Basin regions were chosen based on the results of the 2018 Time Series Study (Amec Foster Wheeler Environment & Infrastructure, Inc. [Amec Foster Wheeler], 2018), which suggested that tides affect dissolved copper levels to varying degrees in the inner, middle, and outer basin. Figure 2-7 shows how monitoring stations were grouped for analyses by region. Note that lines delineating each region are arbitrary and are intended only to outline station groupings.



Figure 2-7. Basin Region Designations for Each Monitoring Station

3.0 RESULTS AND DISCUSSION

This section discusses results from the Monitoring Program, including dock inspections, weekly water quality monitoring, and storm monitoring event results.

3.1 Hull Cleaning Inspections and Visual Observations

Daily hull cleaning inspections were performed during the eight-week Hull Cleaning Pause period (December 19, 2021 through February 9, 2022), except for Christmas Day, New Year's Day, and January 15, 2022, when a tsunami warning was issued. A total of 217 inspections were performed in SIYB, including all SIYB marinas, yacht clubs, and the Port's transient dock.

3.1.1 General Facility and Water Quality Conditions

General facility conditions were recorded, including general facility activity, topside maintenance activity, weather conditions, and general water quality conditions. General facility activity was categorized as quiet (10 or fewer people), moderate (10 to 50 people), or busy (more than 50 people) based on the number of people observed throughout the docks at a facility at the time of inspection. Throughout the Hull Cleaning Pause, general facility activity varied with 122 (58%) inspections noting quiet conditions, 81 (38%) inspections noting moderate conditions, and 8 (4%) inspections noting busy conditions (Figure 3-1). Dates and locations for the eight inspections defined as "busy" are detailed in Table 3-1, along with other visual observations.

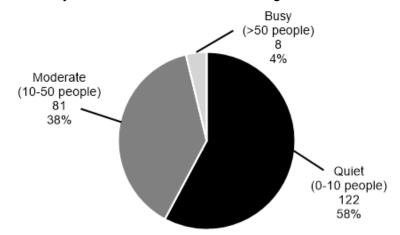


Figure 3-1. General Facility Activity During Hull Cleaning Pause Inspections

The presence of topside maintenance was also evaluated during the Hull Cleaning Pause. Topside maintenance activity was categorized as quiet (0 to 3 vessels), moderate (4 to 10 vessels), or busy (more than 10 vessels) based on the number of vessels where topside maintenance was observed. A total of 149 (71%) inspections noted quiet maintenance, 45 (21%) inspections noted moderate maintenance, and 17 (8%) noted busy maintenance activities (Figure 3-2). Dates and locations for the 17 inspections defined as "busy" are detailed in Table 3-1, along with other visual observations.

⁶ It should be noted that visual observations of general facility activity and topside maintenance were not recorded for six of the 217 inspections and therefore are not included in the following calculations.

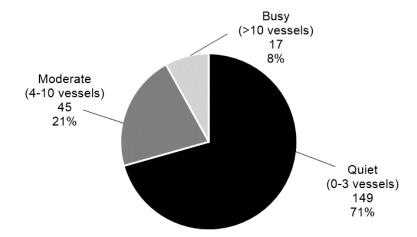


Figure 3-2. Topside Maintenance Activity During Hull Cleaning Pause Inspections

Weather conditions were recorded at the time of inspections. A total of 14 inspections noted rainfall observed within the prior 72 hours, as detailed in Table 3-1. General water quality conditions within the facilities at the time of inspection were also recorded, including noticeable floatables, vegetation, and odors. Of the 210 total visual observations recorded for floatables, no inspections noted visible sewage, four (2%) noted visible trash, and 13 (6%) noted visible foam within the facilities at the time of inspection (Figure 3-3). No visible floatables were observed at the time of the remaining 193 (92%) inspections. Of the 210 total visual observations recorded for vegetation, 10 (5%) noted excessive vegetation, 11 (5%) noted limited vegetation, and four (2%) noted normal vegetation within the facility at the time of inspection (Figure 3-3). No vegetation was observed during the remaining 185 (88%) inspections.

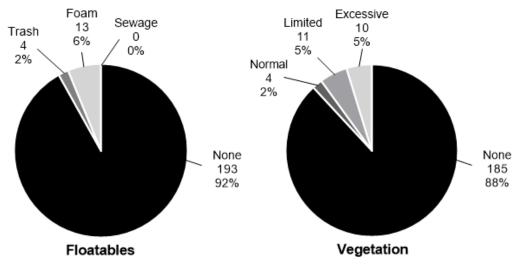


Figure 3-3. Floatables and Vegetation Observed During Hull Cleaning Pause Inspections

Wood Environment & Infrastructure Solutions, Inc.

⁷ It should be noted that visual observations of general water quality conditions were not recorded for seven of the 217 inspections and therefore are not included in the following calculations.

Table 3-1.
Summary of Significant Visual Observations During the Hull Cleaning Pause

Inspection Date & Ti		Location	Marina Activity	Topside Maintenance	Floatables	Vegetation
12/19/2021	11:00	Kona Kai Marina	Moderate (10-50 people)	Quiet (0-3 vessels)	None	Limited
12/19/2021	10:00	Silver Gate Yacht Club	Quiet (0-10 people)	Quiet (0-3 vessels)	None	Limited
12/20/2021	11:45	San Diego Yacht Club	Moderate (10-50 people)	Busy (>10 vessels)	None	Limited
12/20/2021	8:00	Kona Kai Marina	Moderate (10-50 people)	Moderate (4-10 vessels)	Foam	None
12/20/2021	9:30	Shelter Island Marina	Moderate (10-50 people)	Moderate (4-10 vessels)	Trash	None
12/21/2021	10:00	Kona Kai Marina	Moderate (10-50 people)	Busy (>10 vessels)	None	None
12/21/2021	10:45	Silver Gate Yacht Club	Quiet (0-10 people)	Quiet (0-3 vessels)	None	Excessive
12/21/2021	12:00	Half Moon Marina	Quiet (0-10 people)	Quiet (0-3 vessels)	None	None
12/22/2021	10:55	Kona Kai Marina	Moderate (10-50 people)	Busy (>10 vessels)	None	Limited
12/23/2021	8:00	Southwestern Yacht Club	Quiet (0-10 people)	Quiet (0-3 vessels)	Foam	None
12/23/2021	11:00	Bay Club Marina	Quiet (0-10 people)	Quiet (0-3 vessels)	None	Limited
12/23/2021	10:30	Kona Kai Marina	Moderate (10-50 people)	Moderate (4-10 vessels)	None	Limited
12/24/2021	10:20	Half Moon Marina	Quiet (0-10 people)	Quiet (0-3 vessels)	None	Limited
12/24/2021	8:00	Kona Kai Marina	Quiet (0-10 people)	Quiet (0-3 vessels)	Foam	Excessive
12/24/2021	10:00	Bay Club Marina	Quiet (0-10 people)	Quiet (0-3 vessels)	Foam	Excessive
12/24/2021	11:00	San Diego Yacht Club	Moderate (10-50 people)	Quiet (0-3 vessels)	None	Excessive
12/26/2021	13:30	Shelter Island Marina	Busy (>50 people)	Quiet (0-3 vessels)	None	None
12/26/2021	12:15	Kona Kai Marina	Moderate (10-50 people)	Quiet (0-3 vessels)	None	Limited
12/27/2021	9:00	Kona Kai Marina	Quiet (0-10 people)	Moderate (4-10 vessels)	Foam	None
12/30/2021	12:30	Southwestern Yacht Club	Moderate (10-50 people)	Moderate (4-10 vessels)	None	Limited
12/31/2021	9:30	San Diego Yacht Club	Busy (>50 people)	Busy (>10 vessels)	Foam	Excessive
12/31/2021	8:15	Gold Coast Marina	Quiet (0-10 people)	Quiet (0-3 vessels)	None	Limited
1/3/2022	9:00	Kona Kai Marina	Moderate (10-50 people)	Busy (>10 vessels)	None	None
1/3/2022	11:30	Half Moon Marina	Quiet (0-10 people)	Quiet (0-3 vessels)	None	Excessive
1/3/2022	9:00	Shelter Island Marina	Busy (>50 people)	Quiet (0-3 vessels)	None	None

Notes:

Shaded rows indicate inspections in which rain was observed in the last 72 hours.

Bold and Italicized rows indicate significant visual observations observed at the time of inspection.

Table 3-1. (continued)
Summary of Significant Visual Observations During the Hull Cleaning Pause

Inspection Date & Ti		Location	Marina Activity	Topside Maintenance	Floatables	Vegetation
1/4/2022	8:30	Kona Kai Marina	Moderate (10-50 people)	Moderate (4-10 vessels)	Foam	Normal
1/6/2022	8:15	San Diego Yacht Club	Moderate (10-50 people)	Busy (>10 vessels)	None	None
1/6/2022	10:00	Kona Kai Marina	Moderate (10-50 people)	Busy (>10 vessels)	None	None
1/7/2022	11:15	Kona Kai Marina	Moderate (10-50 people)	Busy (>10 vessels)	None	None
1/7/2022	9:00	Southwestern Yacht Club	Quiet (0-10 people)	Quiet (0-3 vessels)	None	Excessive
1/16/2022	9:00	San Diego Yacht Club	Busy (>50 people)	Quiet (0-3 vessels)	None	None
1/17/2022	9:45	Kona Kai Marina	Moderate (10-50 people)	Busy (>10 vessels)	Trash	Normal
1/17/2022	10:45	Shelter Island Marina	Moderate (10-50 people)	Busy (>10 vessels)	None	None
1/17/2022	NR	Bay Club Marina	Quiet (0-10 people)	Quiet (0-3 vessels)	Trash	Normal
1/18/2022	11:15	Kona Kai Marina	Busy (>50 people)	Busy (>10 vessels)	Trash	Excessive
1/19/2022	11:25	San Diego Yacht Club	Busy (>50 people)	Busy (>10 vessels)	None	None
1/21/2022	10:00	San Diego Yacht Club	Moderate (10-50 people)	Moderate (4-10 vessels)	Foam	Normal
1/26/2022	13:09	Kona Kai Marina	Moderate (10-50 people)	Busy (>10 vessels)	None	None
1/27/2022	10:00	San Diego Yacht Club	Moderate (10-50 people)	Busy (>10 vessels)	None	None
1/28/2022	10:15	Silver Gate Yacht Club	Quiet (0-10 people)	Quiet (0-3 vessels)	Foam	Excessive
1/28/2022	8:50	Kona Kai Marina	Moderate (10-50 people)	Moderate (4-10 vessels)	Foam	Excessive
1/30/2022	8:30	San Diego Yacht Club	Busy (>50 people)	Quiet (0-3 vessels)	None	None
2/4/2022	12:40	Kona Kai Marina	Moderate (10-50 people)	Busy (>10 vessels)	None	None
2/4/2022	12:00	Shelter Island Marina	Moderate (10-50 people)	Busy (>10 vessels)	None	None
2/5/2022	9:15	San Diego Yacht Club	Busy (>50 people)	Quiet (0-3 vessels)	None	None
2/5/2022	10:45	Southwestern Yacht Club	Moderate (10-50 people)	Quiet (0-3 vessels)	Foam	None
2/6/2022	10:45	Silver Gate Yacht Club	Quiet (0-10 people)	Quiet (0-3 vessels)	Foam	None
2/6/2022	10:01	Shelter Island Marina	Quiet (0-10 people)	Quiet (0-3 vessels)	Foam	Limited
2/7/2022	12:35	Kona Kai Marina	Moderate (10-50 people)	Busy (>10 vessels)	None	None
Total Significant Observations		49	8	17	17	21

Notes

Shaded rows indicate inspections in which rain was observed in the last 72 hours.

Bold and Italicized rows indicate significant visual observations observed at the time of inspection.

NR = not recorded

3.1.2 Diver Activity

During hull cleaning inspections, diver activity was recorded by reviewing check-in records, observing divers in the field, and recording the information from diver tags left on individual vessel slips after dive activity. Throughout the eight-week Hull Cleaning Pause, 342 instances were recorded of observed diver activity to conduct non-cleaning types of maintenance and/or to replace zinc anodes (Table 3-2). Figure 3-4 identifies the locations of all recorded dive tags during each quarter (Q1–Q4) of the Hull Cleaning Pause along with all confirmed non-copper hull cleanings.

Table 3-2.
Instances of Observed Diver Activity During the Hull Cleaning Pause

Source of Diver Activity Observation	Number of Observed Instances
Divers Encountered in the Field	50
Divers Checked In	68
Diver Tags Observed	224
Total Observed Instances	342

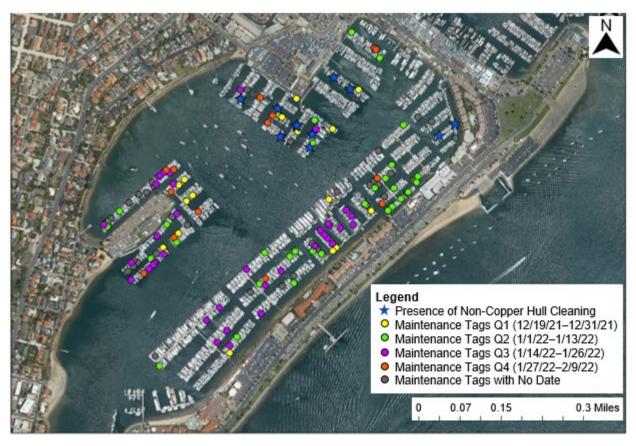


Figure 3-4. Map of Non-Copper Hull Cleanings and Diver Tags Observed During the Hull Cleaning Pause

Note: Each maintenance tag point symbolizes a single slip. Slips in which multiple dive tags were observed throughout the Hull Cleaning Pause are symbolized by the maintenance tag with the latest date.

In all instances in which diver activity was observed, efforts were made to ensure that the cleaning of hulls with copper-based AFPs was not occurring. These efforts included reviewing diver check-in records at a facility, corresponding with divers in the field, and documenting visual hull fouling observations. Of the 342 total instances of dive activity, 19 instances (6%) were confirmed cleaning of vessels with Port-verified non-copper paints. The remainder of observed diver activity (323; 94%) were confirmed to include routine maintenance activities only, such as replacing zincs and metals (Figure 3-5). No cleaning of vessel hulls coated with copper-based AFPs was observed during any inspection conducted during the Hull Cleaning Pause, and as a result, no enforcement actions were taken.

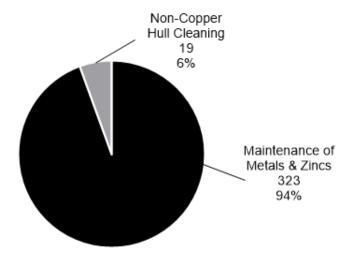


Figure 3-5. Characterization of Observed Diver Activity During the Hull Cleaning Pause

A total of 11 vessels with Port-verified, non-copper paints were observed to have been cleaned during the Hull Cleaning Pause. Two of the 11 vessels painted with non-copper paints were cleaned on three separate occasions, four of the 11 vessels painted with non-copper paints were cleaned on two separate occasions, and the remaining five vessels painted with non-copper paints were cleaned once for a total of 19 non-copper hull cleanings (Table 3-3).

Table 3-3.
Observed Instances of Non-Copper Hull Cleaning During the Hull Cleaning Pause

Date of Cleaning ^a	Location	Source of Observation
12/22/2021	San Diego Yacht Club	Diver Encountered in the Field
12/23/2021	San Diego Yacht Club	Observed Tag
12/28/2021	San Diego Yacht Club	Diver Encountered in the Field
12/28/2021	San Diego Yacht Club	Diver Encountered in the Field
12/28/2021	San Diego Yacht Club	Diver Encountered in the Field
12/30/2021	San Diego Yacht Club	Observed Tag
12/31/2021	San Diego Yacht Club	Diver Encountered in the Field
12/31/2021	San Diego Yacht Club	Diver Checked In
1/3/2022	Half Moon Marina	Diver Encountered in the Field
1/6/2022	San Diego Yacht Club	Diver Checked In
1/7/2022	San Diego Yacht Club	Diver Encountered in the Field
1/7/2022	San Diego Yacht Club	Observed Tag
1/17/2022	Half Moon Marina	Diver Encountered in the Field
1/19/2022	San Diego Yacht Club	Diver Checked In
1/24/2022	San Diego Yacht Club	Observed Tag
1/25/2022	San Diego Yacht Club	Observed Tag
2/1/2022	San Diego Yacht Club	Observed Tag
2/1/2022	San Diego Yacht Club	Observed Tag
2/4/2022	San Diego Yacht Club	Observed Tag

Notes:

Inspection staff observed and documented the presence of fouling on vessels with copper-based AFPs during the Hull Cleaning Pause. Overall, general vessel observations suggested an obvious visual increase in fouling over time, confirming hull cleaning was not being performed on a wide-scale basis during the approximately eight-week Hull Cleaning Pause (Figure 3-6).

a. A total of 11 vessels with approved non-copper paint were observed to have been cleaned during the Pause. Two of the 11 vessels were cleaned on three separate occasions, four of the 11 vessels were cleaned on two separate occasions, and the remaining five vessels were cleaned once for a total of 19 non-copper hull cleanings.

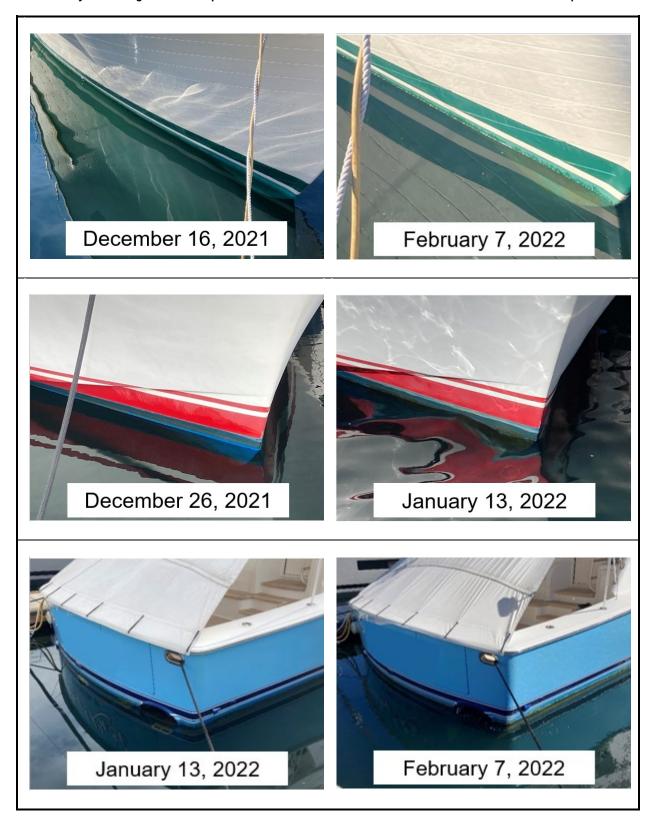


Figure 3-6. Photos of Fouling on Vessel Hulls During the Hull Cleaning Pause



Figure 3-6 (continued). Photos of Fouling on Vessel Hulls During the Hull Cleaning Pause

3.2 Weekly Water Quality Monitoring

Weekly water quality monitoring events were conducted in SIYB for four weeks leading up to the Hull Cleaning Pause, eight weeks during the Pause, and four weeks following the Pause. Each monitoring event included collection of field water quality measurements and surface water samples for dissolved copper analysis. As discussed in Section 2.2.2, core monitoring stations and reference stations were sampled every week, while enhanced monitoring stations were sampled biweekly. The following sections present results and discussion related to the weekly water quality monitoring.

3.2.1 Weekly Physical Water Quality Parameters

Upon arrival at each monitoring station during weekly monitoring events, the field teams measured surface water temperature and salinity at a depth of 1 meter using a YSI ProDSS meter, and water clarity was evaluated using a Secchi disk. Weather and surface water conditions were also documented on field data sheets.

Ranges of temperature, salinity, and water clarity measured throughout SIYB during each weekly monitoring event are summarized in Table 3-4. The average water quality parameters for the two reference stations are also provided in Table 3-4 for comparison. Daily rainfall that occurred during the Monitoring Program is also presented in Figure 3-7. Raw field water quality data for all stations and monitoring events are provided on field data sheets in Appendix B.

<u>Temperature:</u> Surface water temperature varied slightly throughout the basin and over time during the Monitoring Program. During a given monitoring event, temperature varied by 1.5 degrees Celsius (°C) or less across all monitoring stations within SIYB. In general, temperatures were coolest at the reference stations and mouth of SIYB and increased moving toward the head of the basin, where the water depths are shallower. Over the course of the 16-week Monitoring Program, temperatures generally decreased over the first seven weeks of the Monitoring Program and then began to warm over the subsequent nine weeks, ranging from 14.2 to 17.5°C across all stations and monitoring events.

<u>Salinity:</u> Surface salinity was relatively consistent across all monitoring stations throughout the Monitoring Program, ranging from 32.9 to 34.4 parts per thousand (ppt). The average variation in salinity in SIYB for a given monitoring event was 0.5 ppt. Average salinity within SIYB was slightly lower during weeks following large storm events (see further discussion in Section 3.3).

<u>Water Clarity:</u> Based on Secchi disk measurements, the water clarity over the course of the Monitoring Program ranged from 4 to 23 feet within SIYB. Water clarity was generally highest at the reference stations (ranging from 15 to 27 feet) and decreased moving toward the head of SIYB.

Table 3-4. Weekly Surface^a Water Quality Parameters Before, During, and After Pause

									Samplii	ng Date							
Water Quality	BB . 4 .*.	Pre-Pa	ause (11/2	22/21–12/	18/21)		Pause (12/19/21–2/9/22)							Post-Pause (2/10/22-3/8/22)			
Parameter	Metric	W1	W2	W3	W4	W5	W6	W7	W8	W9 ^d	W10	W11	W12	W13	W14	W15	W16
		11/22	11/30	12/7	12/13	12/20	12/28	1/4	1/11	1/19	1/25	1/31	2/9	2/14	2/21	3/1	3/8
SIYB Stations																	
Temperature	Min	16.8	16.4	16.0	15.4	14.7	14.6	14.2	14.3	15.2	15.2	15.2	14.8	15.7	15.7	14.7	15.6
(°C)	Max	17.5	17.2	16.5	15.9	15.3	15.0	14.6	15.0	15.7	15.9	15.7	15.5	16.6	16.3	16.1	16.5
Salinity	Min	33.5	33.1	33.2	34.1	33.6	32.9	33.0	33.0	33.0	33.2	33.2	33.4	33.9	33.4	33.2	33.0
(ppt)	Max	34.4	34.4	33.5	34.3	34.1	33.3	33.3	33.4	33.4	33.5	33.4	33.8	34.2	34.2	33.6	33.5
Secchi Depth	Min	5 ^c	4	5	4	5	7	7	5	10	7	7	6	6	5	9	7
(ft)	Max	10°	17	14	14	18	16	20	16	20	16	16	14	15	16	23	20
Total Rainfall in Prior 72 Hours (in.) ^b	Sum	0	0	0	0	0.01	0.31	0	0	0.13	0	0	0	0	0	0	0.01
Total Rainfall Since Prior Monitoring Event (in.) ^b	Sum	0	0	0	0.11	0.99	1.13	0.35	0	0.16	0	0	0	0	0.22	0.48	0.63
Tidal Stag	је	Slack high	Out	ln	Out	Out	Slack low	Slack high	Out	Slack high	ln	Out	Out	Out	ln	Out	ln
Reference Stations																	
Temperature (°C)	Average	16.1	16.4	15.8	15.6	14.8	14.7	14.6	14.5	15.0	15.2	14.9	14.9	15.3	15.4	14.6	15.6
Salinity (ppt)	Average	34.2	33.1	33.4	34.2	34.1	33.4	33.5	33.3	33.6	33.5	33.4	33.7	34.0	34.2	33.2	33.0
Secchi Depth (ft) Notes:	Average	NR°	18	19	20	21	19	24	23	17	16	16	17	19	22	17	22

Notes:

[°]C = degree(s) Celsius; ft = foot/feet; in. = inch(es); In = incoming; Max = maximum; Min = minimum; Out = outgoing; NOAA = National Oceanic Atmospheric Administration; NR = not recorded; ppt = part(s) per thousand; SIYB = Shelter Island Yacht Basin; Sum = summation; W = week

a. Field surface water quality measurements of temperature and salinity were taken at a depth of 1 meter to be consistent with the sample collection depth.

b. Rain totals obtained from NOAA Weather Station "USW00023188" located at the San Diego International Airport.

c. Secchi depth was recorded only at a subset of stations (n=5) during Week 1. Starting in Week 2, Secchi depth was recorded at all stations during each monitoring event.

d. The Week 9 monitoring event occurred four days after a tsunami event.

<u>Rainfall:</u> Over the course of the 16-week Monitoring Program, seven rain events (i.e., events generating >0.1 inch of rainfall) of varying magnitudes occurred, generating a total of approximately 4 inches of rainfall (Figure 3-7). With the exception of Weeks 6 and 9 ⁸, monitoring events were conducted more than 72 hours after rain events to minimize potential effects of stormwater on dissolved copper levels. To evaluate potential effects of stormwater discharge on dissolved copper levels in SIYB, pre- and post-storm monitoring events were conducted during Week 4 of the Monitoring Program. Results for the Week 4 storm monitoring event are presented in Section 3.3.

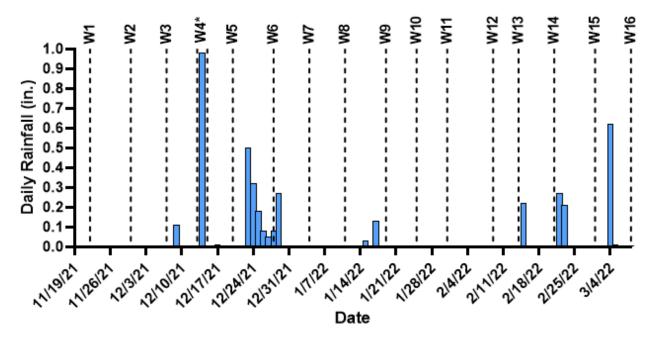


Figure 3-7. Daily Rainfall Over the Course of the Monitoring Program

Notes: Rainfall totals obtained from NOAA Weather Station "USW00023188" located at the San Diego International Airport.

Dashed lines indicate when each water quality monitoring event was conducted.

*Week 4 monitoring included pre-storm (12/13/21) and post-storm (12/15/21) sampling (see Section 3.3).

<u>Tides:</u> As discussed in Section 2.2.2, samples were collected over a broad range of tidal cycles over the course of the Monitoring Program. The general tidal stage that was captured during each monitoring event is included in Table 3-4. Specific sample collection times are plotted on tide charts for each monitoring event in Figures 2-3 and 2-4.

<u>Tsunami:</u> The Week 9 monitoring event was conducted on January 19, 2022, four days following a tsunami event (January 15, 2022) that was generated from an underwater water volcanic eruption off the coast of Tonga in the southwestern region of the Pacific Ocean. The surging and receding tsunami waves generated strong currents in SIYB that may have disrupted typical water circulation dynamics and resuspended sediments throughout the basin. However, there were no notable changes in temperature, salinity, or water clarity measured during the monitoring event following the tsunami.

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During Week 6, a storm system brought seven consecutive days of rain (0.31 inch in the 72 hours prior to sampling). During Week 9, a small rain event (0.13 inch) occurred approximately 48 hours prior to sampling. In accordance with the SAP/QAPP, sampling events were scheduled to avoid rain events to the extent practicable while still collecting samples weekly.

Summary of Physical Water Quality Parameters

Temperature, salinity, and water clarity measurements taken during the Monitoring Program were consistent with those measured historically in SIYB during the winter months (Amec Foster Wheeler, 2018; Wood, 2022b). As expected, slight decreases in average salinity were observed in SIYB following large rain events, likely resulting from freshwater mixing following stormwater discharge. No other apparent changes or anomalies in field water quality parameters were observed during the Monitoring Program, including after storm events and after the tsunami in Week 9. Further, there were no strong correlations between water quality parameters measured and dissolved copper concentrations, suggesting that temperature, salinity, and water clarity did not have substantial effects on dissolved copper concentrations in SIYB over the course of the Monitoring Program.

3.2.2 Weekly Dissolved Copper Monitoring

Surface water samples were collected weekly throughout the 16-week Monitoring Program and analyzed for dissolved copper.

Weekly dissolved copper results for each individual monitoring station are provided in Table 3-5. The complete analytical chemistry laboratory reports are provided in Appendix C. A QA/QC summary of all analytical laboratory data is in Section 3.5.

In this section, the data are presented graphically in three different ways:

- Weekly averages Data are first summarized as weekly average dissolved copper concentrations for core monitoring stations compared with enhanced monitoring stations (Figure 3-8). Dissolved copper concentrations for both reference stations are also included for comparison. This data summary approach allows for an assessment of dissolved copper concentrations over time for the basin as a whole, as well as for comparison of results from the core and enhanced monitoring stations.
- Individual monitoring stations Weekly dissolved copper concentrations are then
 presented for each monitoring station to show variability between individual stations
 throughout the basin (Figure 3-9). Plots of dissolved copper concentrations for all
 individual monitoring stations over time (by station and by week) are also included in
 Appendix D.
- 3. <u>Basin regions</u> To further examine dissolved copper measurements in different areas of SIYB, dissolved copper data were pooled and compared for three regions, including the inner (i.e., head), middle, and outer (i.e., mouth) basin (Figure 3-10). These regions were chosen based on the results of the 2018 Time Series Study (Amec Foster Wheeler, 2018), which suggested that tides affect dissolved copper levels to varying degrees in the inner, middle, and outer basin. Monitoring stations included in each region for analysis are included in Figure 2-7 (Section 2.4.3) and in Table 3-5.

Following the presentation of results and the associated discussion of each data analysis approach presented above, findings from the Monitoring Program are then summarized in Section 4.0.

Table 3-5. Weekly Dissolved Copper Concentrations Before, During, and After the Hull Cleaning Pause

							Di	issolved	Copper C	Concentra	ation (µg/	L)					
Basin	Otation IDs	Pre-Pa	ause (11/2	22/21–12/	/18/21)			Pa	use (12/1	9/21–2/9/	22)	•		Post-	-Pause (2	2/10/22–3/	(8/22)
Region	Station ID ^a	W1	W2	W3	W4	W5	W6	W7	W8	W9b	W10	W11	W12	W13	W14	W15	W16
		11/22	11/30	12/7	12/13	12/20	12/28	1/4	1/11	1/19	1/25	1/31	2/9	2/14	2/21	3/1	3/8
Inner	C-1/SIYB-1	7.6	10	11	13	11	11	8.3	11	12	9.8	8.8	9.4	9.2	8.6	7.6	7.0
Inner	C-2	7.4	11	10	16	11	13	8.9	11	15	12	8.6	9.5	9.1	9.2	8.3	7.5
Inner	C-3	8.0	9.9	11	15	11	15	8.7	10	14	11	8.4	10	9.5	9.9	8.2	7.1
Inner	C-4	9.2	11	7.4	14	11	14	8.7	9.3	12	10	9.1	9.8	9.5	5.1	7.7	7.3
Inner	C-5	7.0	9.4	7.9	14	11	11	7.7	9.0	9.7	11	7.9	9.6	9.6	7.3	7.6	9.0
Middle	C-6/SIYB-2	7.0	12	10	13	11	11	7.2	8.6	9.7	9.7	11	10	9.1	7.2	7.4	7.6
Middle	C-7/SIYB-3	7.1	9.9	8.1	12	9.5	9.7	6.5	7.7	9.7	8.1	8.2	9.2	9.2	5.7	6.7	7.4
Middle	C-8/SIYB-4	5.9	9.8	6.2	9.7	8.6	9.0	5.7	8.4	11	7.5	8.7	9.7	9.8	7.7	7.8	7.9
Middle	C-9	7.9	11	11	13	8.4	8.0	6.6	9.4	8.4	6.9	11	10	9.4	6.8	6.8	6.7
Middle	C-10	7.3	10	10	11	8.1	8.9	6.4	8.3	10	7.6	8.6	8.5	8.3	7.7	6.4	7.0
Middle	C-11	5.1	7.2	8.1	7.3	9.7	9.1	6.4	7.6	7.4	7.7	8.1	7.9	8.5	6.3	6.2	5.9
Outer	C-12/SIYB-5	3.4	7.1	3.1	5.9	5.0	11	3.8	7.2	6.9	8.3	6.0	5.7	6.0	6.1	6.0	6.7
Outer	C-13/SIYB-6	1.9	3.5	1.6	3.6	2.8	7.3	2.3	3.1	2.2	3.4	3.0	3.6	3.6	1.6	1.9	5.6
Inner	E-14	-	10	1	10		14		9.8		9.2		9.6	1	9.1		7.5
Inner	E-15	-	13		10		14		10		11		10	-	9.2		6.6
Inner	E-16	-	13	1	9.9		14		8.9		11		9.5	1	9.2		7.5
Inner	E-17	1	14		10		11		9.0		10		12		9.5		8.0
Middle	E-18	-	11		12		12		9.0		11		10		8.8		7.2
Middle	E-19	-	11		9.3		9.1		8.0		7.7		9.5	-	7.9		7.7
Outer	E-20	-	6.9		6.0		10		5.4		7.2		6.8	-	5.2		7.1
Basir	n-wide Minimum	1.9	3.5	1.6	3.6	2.8	7.3	2.3	3.1	2.2	3.4	3.0	3.6	3.6	1.6	1.9	5.6
Basir	n-wide Maximum	9.2	14	11	16	11	15	8.9	11	15	12	11	12	9.8	9.9	8.3	9.0
Basi	n-wide Average	6.5	10	8.1	11	9.1	11	6.7	8.5	9.8	9.0	8.3	9.0	8.5	7.4	6.8	7.2
± S	tandard Error	± 0.6	± 0.5	± 0.8	± 0.7	± 0.7	± 0.5	± 0.5	± 0.4	± 0.9	± 0.5	± 0.6	± 0.4	± 0.5	± 0.5	± 0.5	± 0.2
Reference	C-REF-1/SIYB-REF-1	0.55	1.1	0.40	0.76	0.16	1.6	0.35	1.3	0.35	1.8	0.56	1.6	0.94	1.1	0.26	1.9
	C-REF-2/SIYB-REF-2	0.58	1.5	0.44	0.81	0.50	2.0	0.32	1.5	0.44	1.8	0.90	1.3	0.85	1.3	0.30	2.1

Notes: -- = no enhanced stations sampled; µg/L = microgram(s) per liter; C- = core; E- = enhanced; ID = identifier; REF- = reference; SIYB = Shelter Island Yacht Basin; TMDL = Total Maximum Daily Load; W = week; a. A subset of the core monitoring stations and both reference stations were co-located with the stations monitored annually for TMDL compliance. These stations include both the Hull Cleaning Pause station ID and the SIYB TMDL station ID for reference. b. The Week 9 monitoring event occurred four days after a tsunami event.

Weekly Averages: Core and Enhanced Monitoring Stations

Core monitoring and reference stations were sampled on a weekly basis over the course of the 16-week Monitoring Program. Seven additional enhanced stations were sampled on a biweekly basis to provide supplemental data at a higher resolution and in closer proximity to vessels than the stations on the outer edges of the marinas along and within the main channel. Weekly average dissolved copper concentrations for the core and enhanced stations are shown in Figure 3-8, along with results from the two reference stations.

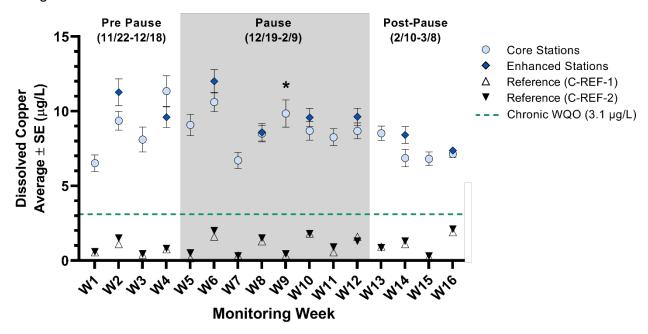


Figure 3-8. Weekly Average Dissolved Copper Concentrations at Core and Enhanced Monitoring Stations Over Time

Notes: μg/L = microgram(s) per liter; REF = reference; SE = standard error; W = week; WQO = water quality objective

* The Week 9 monitoring event occurred four days after a tsunami event.

SE bars for Week 16 are smaller than the size of the symbol and therefore are not visible.

Weekly basin-wide average copper concentrations (including core and enhanced stations) ranged from 6.5 to 11 micrograms per liter (μ g/L) (Table 3-5). With the exception of Week 4 (12/13), average dissolved copper concentrations at the enhanced stations, located in the inner portions of the marinas, were higher than those at the core stations on the outer edges of marinas and in the main channel of SIYB.

While the results were somewhat variable over the 16-week Monitoring Program, an apparent pattern in the data in Figure 3-8 shows an increase in average dissolved copper concentrations at the core and enhanced stations during the Pre-Pause period and the first two weeks of the Pause, followed by a slight downward trend for the remainder of the Pause and Post-Pause periods. It should be noted that a tsunami occurred four days before the Week 9 monitoring event. Dissolved copper concentrations measured in Week 9 were slightly elevated compared with concentrations in previous weeks; however, by the following week (Week 10), dissolved copper concentrations returned to levels similar to those measured before the tsunami (Week 8). Overall, despite slight decreases in dissolved copper concentrations during the Pause and Post-Pause

periods, average dissolved copper concentrations remained well above the chronic WQO $(3.1 \, \mu g/L)$ within SIYB.

At the reference stations, dissolved copper concentrations varied slightly from week to week, ranging from 0.16 μ g/L (C-REF-1 in Week 5) to 2.1 μ g/L (C-REF-2 in Week 16). However, dissolved copper concentrations at the reference stations were below the chronic WQO (3.1 μ g/L) throughout the Monitoring Program.

Individual Monitoring Stations

Dissolved copper results for each individual monitoring station are presented in Figure 3-9. Plots of dissolved copper concentrations for all individual monitoring stations over time (by station and by week) are included in Appendix D.

Dissolved copper concentrations were highly variable across the individual monitoring stations over the course of the Monitoring Program. At the innermost stations (e.g., C-1/SIYB-1 through C-4), there was a clear incremental increase in dissolved copper concentrations during the Pre-Pause period, followed by somewhat of a downward trend during the Pause and Post-Pause periods. Similar increasing trends were apparent during the Pre-Pause period at some monitoring stations in the middle of the basin (e.g., C-9 through C-11); however, there were no clear decreasing trends in dissolved copper concentrations during the Pause and Post-Pause periods at these stations. Results from the outermost stations (C-12/SIYB-5, C-13/SIYB-6, and E-20) showed no clear trends in dissolved copper concentrations over the 16-week Monitoring Program.

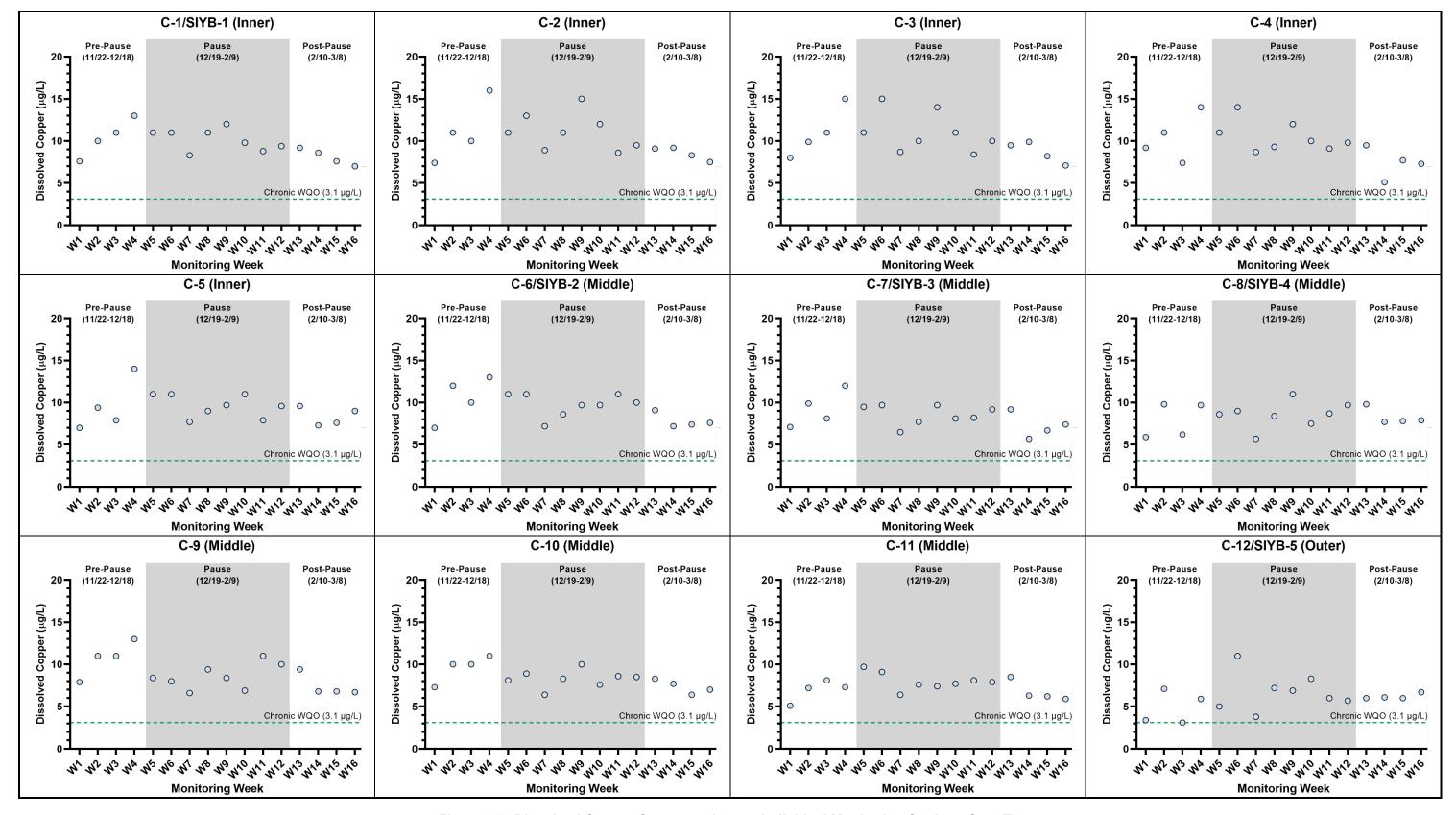


Figure 3-9. Dissolved Copper Concentrations at Individual Monitoring Stations Over Time

Wood Environment & Infrastructure Solutions, Inc.

Final In-Water Hull Cleaning Pause Water Quality Monitoring Technical Report

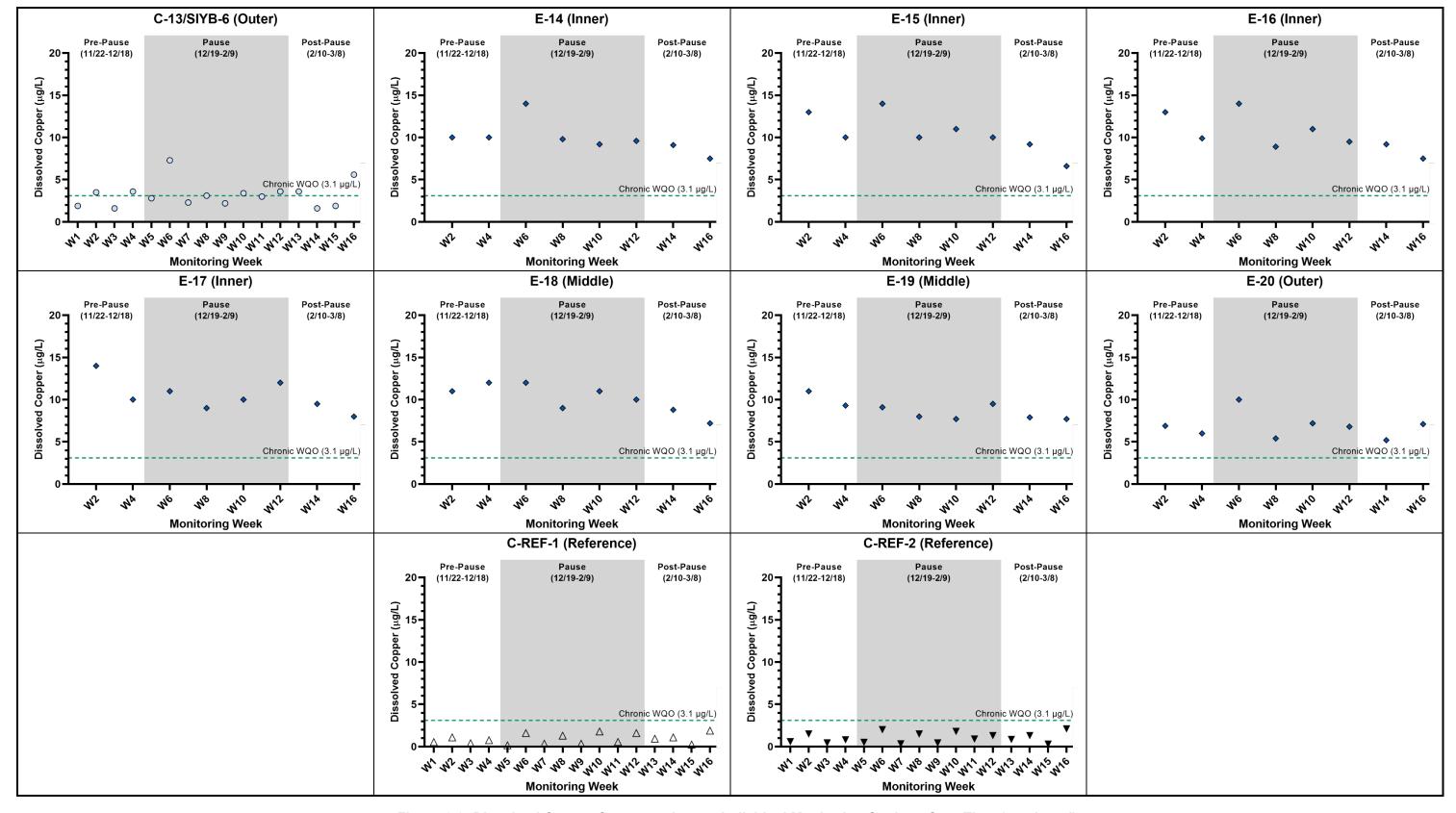


Figure 3-9. Dissolved Copper Concentrations at Individual Monitoring Stations Over Time (continued)

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Basin Regions

As depicted in Figure 3-9, dissolved copper concentrations varied over time at different monitoring stations throughout the basin. In general, similar trends were observed at monitoring stations in the inner, middle, and outer portions of the basin. To further examine regional trends in dissolved copper concentrations within SIYB, data from inner, middle, and outer monitoring stations were pooled and compared for each monitoring phase, as shown in Figure 3-10. Each box plot shows the quartiles (boxes), median (center line), and range of the data (whiskers).

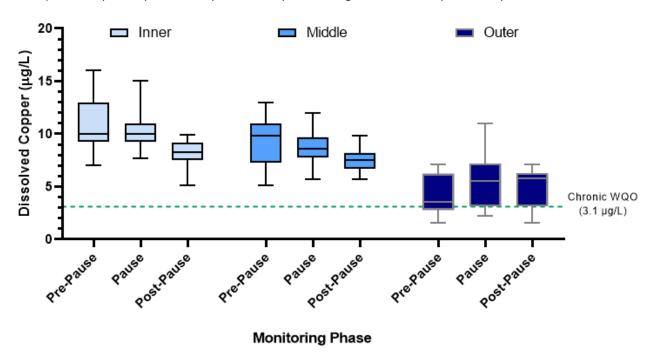


Figure 3-10. Dissolved Copper Concentrations By Region During Each Monitoring Phase

Notes: $\mu g/L = microgram(s)$ per liter; WQO = water quality objective Boxes represent the 25th, 50th (i.e., median), and 75th percentiles of the data, and whiskers represent the minimum and maximum.

There is a gradient in dissolved copper concentrations throughout the basin, with higher concentrations in the inner region (i.e., head of the basin) and lower concentrations in the outer region (i.e., mouth of the basin). This gradient remained consistent through all phases of the Monitoring Program.

As shown in Figure 3-10, in general, a decrease in dissolved copper concentrations was observed during the Pause and Post-Pause periods in the inner and middle regions of the basin. However, there does not appear to be a recognizable decrease in dissolved copper concentrations in the outer region of SIYB, with similar overlapping distributions in dissolved copper levels throughout the 16-week Monitoring Program.

Summary of Dissolved Copper Monitoring Results

As described previously, dissolved copper concentrations were highly variable over the course of the 16-week Monitoring Program. In general, there was an apparent increase in dissolved copper concentrations during the Pre-Pause period and first two weeks of the Pause, followed by a slight, but recognizable, decrease in concentrations during the remainder of the Pause and Post-Pause

periods. These trends in dissolved copper concentrations were most pronounced in the inner and middle regions of the basin where vessels are most concentrated.

While the amount of hull cleaning that occurred prior to the Hull Cleaning Pause was not specifically quantified as part of the Monitoring Program's inspection component, staff observations made during preparatory Pre-Pause site visits suggested that a considerable amount of cleaning occurred during the Pre-Pause period. In particular, inspectors observed increases in the number of hull cleaners checking into facilities and the number of diver tags dated in the weeks leading up to the Pause. This increase in cleaning may have been responsible for the higher dissolved copper concentrations during the first six weeks of monitoring. The increase in dissolved copper levels in the basin at the outset of the Monitoring Program was not totally unexpected. It was assumed that there would be considerably more hull cleaning in the basin (relative to an average winter week) as the hull cleaners and boaters adjusted their cleaning schedules to accommodate the upcoming Hull Cleaning Pause.

During the Pause period, frequent inspections were conducted by Port staff to ensure compliance with the Hull Cleaning Ordinance. Based on the 217 inspections conducted by Port staff, no hull cleaning of vessels with copper-based AFPs was observed in SIYB during the eight-week Pause. In addition, visual observations and photographs taken over the course of the Pause documented an increase in fouling on the vessels in SIYB (see Figure 3-6). This provided further evidence that vessels were not being cleaned during the Pause. As the Pause period progressed, the amount of fouling increased concurrently, which also supported the inspection findings that hull cleaning was not occurring.

Over the course of the Monitoring Program, there seemed to be a noticeable decrease in the dissolved copper levels, particularly in the inner and middle regions. The apparent downward trend in dissolved copper levels that was observed during the Pause was also observed during the four-week Post-Pause period. While it was expected that hull cleaning would resume immediately following the Pause, it is possible that this did not happen to the extent that it was occurring in the Pre-Pause period. During Post-Pause dock walks, Port inspectors observed less cleaning activity than expected. This observation suggests that hull cleaning may not have increased to normal levels during the Post-Pause period, potentially contributing to the continued slight downward trend in dissolved copper concentrations observed during Weeks 13 through 16 of the Monitoring Program.

3.3 Storm Monitoring Event

In addition to routine weekly water quality monitoring, sampling was conducted during a single large storm event in Week 4 of the Monitoring Program to assess the potential effects of stormwater discharge on dissolved copper levels in SIYB. Field water quality measurements and surface water samples were collected from core monitoring and reference stations before and after the storm for comparison. The following sections present results and discussion related to the pre- and post-storm monitoring events.

⁹ Inspectors also communicated with several hull cleaners and boaters who indicated that they were performing cleaning in preparation for the Hull Cleaning Pause.

3.3.1 Storm Event Physical Water Quality Parameters

Upon arrival at each monitoring station, field teams measured surface water temperature and salinity at a depth of 1 meter using a YSI ProDSS meter. Water clarity was also evaluated at each station using a Secchi disk.

Ranges of surface water temperature, salinity, and water clarity measured at the core monitoring stations throughout SIYB before and after the December 14, 2021 storm event are summarized in Table 3-6. The average water quality parameters for the two reference stations are also provided for comparison. Raw field water quality data for all stations and monitoring events are provided on field data sheets in Appendix B.

Table 3-6.
Water Quality Parameters Before and After Week 4 Storm

		Sampli	ng Date
WQ Parameter	Metric	Week 4 Pre-Storm	Week 4 Post-Storm
		12/13/21	12/15/21
SIYB Stations		•	
Tomporatura (°C)	Min	15.4	14.5
Temperature (°C)	Max	15.9	15.5
Calinity (nnt)	Min	34.1	33.0
Salinity (ppt)	Max	34.3	33.4
Canabi Danth (ft)	Min	4	6
Secchi Depth (ft)	Max	12	11
Total Rain in Prior 72 Hours (in.)a	Sum	0	0.98
Reference Stations			
Temperature (°C)	Average	15.6	14.9
Salinity (ppt)	Average	34.2	33.6
Secchi Depth (ft)	Average	20	9

Notes:

The Week 4 storm event produced 0.98 inch of rainfall on December 14, 2021. Following the storm, there was a measurable decrease in temperature and salinity of the receiving water at monitoring stations within SIYB and at the reference stations. Water clarity within SIYB was similar before and after the storm but decreased substantially at the reference stations after the storm.

Summary of Storm Event Physical Water Quality Parameters

Overall, there were no anomalous field water quality results during the pre- and post-storm monitoring events. Observed decreases in temperature and salinity were likely a result of freshwater mixing in the marine environment following stormwater discharge. In addition, sampling was conducted on an outgoing tide following the storm, which may have transported storm-related particulates and debris from within SIYB and elsewhere along the shorelines of San Diego Bay to the reference stations. This may have contributed to the decrease in water clarity at the reference stations following the storm.

[°]C = degree(s) Celsius; ft = foot/feet; in. = inch(es); Max = maximum; Min = minimum; NOAA = National Oceanic and Atmospheric Administration; ppt = part(s) per thousand; SIYB = Shelter Island Yacht Basin; Sum = summation; WQ = water quality

a. Rain totals obtained from NOAA Weather Station "USW00023188" located at the San Diego International Airport.

3.3.2 Storm Event Analytical Chemistry

Stormwater samples were collected from two outfalls (OF-1 and OF-2; Figure 2-2) during the Week 4 storm. For reference, OF-1 is located approximately 170-m north of Station C-11; OF-2 is located approximately 270-m northeast of Station C-9. Analytical chemistry results from the stormwater samples are presented in Table 3-7. In addition, surface receiving water samples were collected from core monitoring and reference stations before and after the December 14, 2021 storm. Copper results for each station are provided in Table 3-8. The complete analytical chemistry laboratory reports are provided in Appendix C. A QA/QC summary of all analytical laboratory data is in Section 3.5.

Table 3-7.
Outfall Chemistry Results from 12/14/21 Storm

Station ID	Dissolved Copper (µg/L)	Total Copper (μg/L)	Total Suspended Solids (mg/L)
OF-1	17	63	170
OF-2	23	30	33

Notes: μg/L = microgram(s) per liter; ID = identifier; OF- = outfall; mg/L = milligram(s) per liter

Table 3-8.

Receiving Water Chemistry Results Before and After 12/14/21 Storm

Basin	Station ID ^a	Week 4 Pre-Storm (12/13/21)	Week 4 Post-Storm (12/15/21)				
Region	Station ib	Dissolved Copper	Dissolved Copper	Total Copper			
		(μg/L)	(μg/L)	(µg/L)			
Inner	C-1/SIYB-1	13	12	14			
Inner	C-2	16	12	15			
Inner	C-3	15	12	13			
Inner	C-4	14	13	14			
Inner	C-5	14	13	15			
Middle	C-6/SIYB-2	13	12	14			
Middle	C-7/SIYB-3	12	9.6	11			
Middle	C-8/SIYB-4	9.7	11	13			
Middle	C-9	13	11	13			
Middle	C-10	11	11	13			
Middle	C-11	7.3	11	12			
Outer	C-12/SIYB-5	5.9	11	12			
Outer	C-13/SIYB-6	3.6	7.0	7.9			
Basin-wi	de Average ± SE	11 ± 0.7	11 ± 0.4	12.8 ± 0.5			
Reference	C-REF-1/SIYB-REF-1	0.76	0.71	0.91			
Reference	C-REF-2/SIYB-REF-2	0.81	0.44	0.67			

Notes:

μg/L = microgram(s) per liter; C- = core; E- = enhanced; ID = identifier; REF- = reference; SE = standard error; SIYB = Shelter Island Yacht Basin; TMDL = Total Maximum Daily Load

a. A subset of the core monitoring stations and both reference stations were co-located with the stations monitored annually for TMDL compliance. These stations include both the Hull Cleaning Pause station ID and the SIYB TMDL station ID for reference.

Dissolved copper results from the two outfalls ranged from 17 μ g/L to 23 μ g/L. The average event mean concentration (EMC) for dissolved copper measured over the past 13 monitoring seasons (2008–2021) at OF-2 as part of the City of San Diego's Municipal Separate Storm Sewer System (MS4) discharge monitoring required by the SIYB TMDL (Wood, 2021c) is 23 μ g/L. This is the same dissolved copper concentration measured in the OF-2 grab sample collection for this effort. Although this Monitoring Program's grab sample is not directly comparable with flow-weighted pollutograph samples collected over the entire storm, the result appears to be consistent with concentrations found during routine monitoring of OF-2. The City of San Diego does not conduct sampling at OF-1 during wet weather for MS4 monitoring purposes, so there is no directly comparable value for OF-1. These instantaneous dissolved copper results obtained from OF-1 and OF-2 are less than the 32.6 μ g/L dissolved copper EMC value used to evaluate dissolved copper load from urban runoff in the Appendix 2 of the SIYB TMDL (Regional Board, 2005).

In the SIYB receiving water before the storm, there was a clear gradient in dissolved copper, with concentrations decreasing from the head of basin (C-1/SIYB-1) to the mouth of the basin (C-13/SIYB-6) and reference stations (Figure 3-11). However, after the storm, dissolved copper concentrations were relatively consistent throughout the basin, with the exception of Station C-13/SIYB-6 located at the mouth of SIYB.

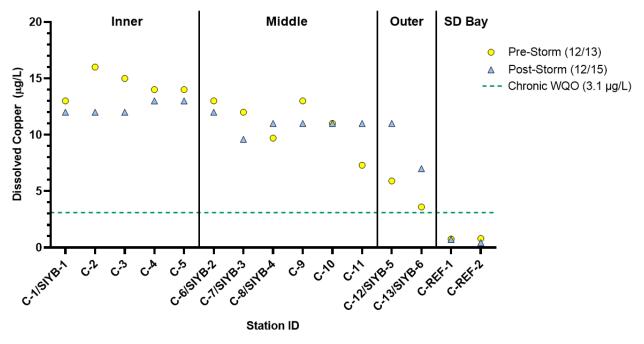


Figure 3-11. Dissolved Copper Concentrations Before and After Storm Event

Notes: μg/L = microgram(s) per liter; C- = core; REF- = reference; SD = San Diego; SIYB = Shelter Island Yacht Basin; WQO = water quality objective

Summary of Storm Event Analytical Chemistry Results

As depicted in Figure 3-11, the storm that occurred on December 14, 2021 appeared to affect the spatial distribution of dissolved copper in SIYB, with more uniform dissolved copper concentrations observed throughout the basin after the storm. The storm generated strong winds (average of 17 miles per hour [mph] with gusts up to 43 mph) and currents that likely resulted in mixing of stormwater and receiving water throughout the basin. However, the basin-wide average

dissolved copper concentrations remained the same before and after the storm (11 μ g/L; Table 3-8). This finding suggests that stormwater discharge did not contribute a substantial amount of copper loading to SIYB.

Additionally, based on the annual loading estimates performed by the City of San Diego for the MS4 component of the SIYB TMDL, the stormwater contribution has consistently been less than the waste load allocation of 30 kg/yr every year since 2011 (Wood, 2020). This represents less than 1% of the annual dissolved copper load to SIYB estimated in the SIYB TMDL. These results are consistent with the outfall and receiving water results measured during the Pause stormwater monitoring event.

3.4 Other Environmental Factors to Consider

The objective of the Hull Cleaning Pause Water Quality Monitoring Program was to evaluate how a pause in hull cleaning affects dissolved copper levels in SIYB. However, there are other factors that may also have had effects on the dissolved copper levels in the basin. For example, a 2018 study showed a direct link between tidal fluctuations and dissolved copper levels at certain locations in SIYB (Amec Foster Wheeler, 2018). Consequently, several environmental factors were evaluated to assess whether they may have influenced the Hull Cleaning Pause monitoring results. This evaluation is presented in Table 3-9. Overall, despite small-scale variability in the ambient dissolved copper levels that may have resulted from factors other than hull cleaning, these factors were determined to have limited influence on the overall findings related to hull cleaning effects on dissolved copper concentrations.

Table 3-9. Evaluation of Environmental Factors that May Affect Ambient Copper Levels in SIYB

Environmental Factor	Evaluation
Potential for rainfall and associated stormwater runoff	Over the course of the 16-week Monitoring Program, seven rain events (i.e., events generating >0.1 inch rainfall) of varying magnitudes occurred, generating a total of approximately 4 inches of rainfall. To assess the potential impacts of associated stormwater discharge on copper levels in SIYB, one storm event (0.98 inch of rainfall) was sampled during Week 4 of the Pre-Pause period. As presented in Section 3.3, results from the pre- and post-storm monitoring events indicated that the storm event affected the spatial distribution of copper throughout the basin, with increased mixing and less of a gradient in copper levels throughout the basin after the storm. However, the basin-wide average concentrations before and after the storm were the same (11 µg/L), which suggests that stormwater discharge had minimal effects on copper levels in SIYB overall. This finding is consistent with the SIYB TMDL model and the City of San Diego SIYB TMDL monitoring, which indicate that urban runoff contributes 1% of the annual dissolved copper load to SIYB. As such, storm events and associated stormwater runoff are not expected to have had any significant impact on dissolved copper levels or findings related to the effects of hull cleaning on dissolved copper concentrations throughout the Monitoring Program.
Seasonality	As expected, surface water temperatures measured in SIYB throughout the 16-week Monitoring Program conducted in the winter were lower than those measured during previous SIYB TMDL compliance monitoring events conducted in the summer. Over the 16 weeks, surface water temperatures within the basin ranged from 14.2 to 17.5°C compared with an average of 22.1°C (range: 18.8–25.9°C) measured during the SIYB TMDL summer compliance Monitoring Program. Despite the cooler water temperatures, dissolved copper concentrations measured before, during, and after the Pause period were similar to or higher than those measured in SIYB during previous SIYB TMDL compliance monitoring events conducted in the summer. Further, there was no significant correlation between temperature and dissolved copper measured during the Monitoring Program, suggesting that temperature did not have substantial effects on dissolved copper concentrations in SIYB during the Monitoring Program. Therefore, changes in temperature throughout the Monitoring Program are not expected to have had any significant impact on findings regarding the effects of hull cleaning on dissolved copper concentrations.
Variation in surface water dissolved copper levels due to tides	Because of the 16-week Monitoring Program design, it was not feasible to coordinate sample collection at a given monitoring station at the same tidal stage. However, monitoring stations were sampled in the same order over the 16 weeks, capturing a broad range of tidal stages at each monitoring station to better represent the overall conditions in SIYB (see Figure 2-3). Overall, monitoring results appeared consistent with those observed during the 2018 Time Series Study (Amec Foster Wheeler, 2018). In particular, the variability in copper concentrations at different tidal stages was most prominent at the mouth of the basin and decreased toward the head of the basin. At the outermost monitoring stations, there was an oscillating pattern in dissolved copper concentrations observed every other week during the Monitoring Program that corresponded well with tidal cycles and patterns in copper concentrations at the reference sites. Concentrations of dissolved copper at both the reference sites and within SIYB (middle and outer locations) were consistently greater during outgoing tides compared with that measured during incoming tides in both this Monitoring Program and the 2018 special study. While tides contributed to variability in dissolved copper concentrations in the basin observed during this Monitoring Program (and the Time Series Study), tides did not have a substantial impact on overall findings regarding the effects of hull cleaning on dissolved copper concentrations.

Table 3-9. (continued)
Evaluation of Environmental Factors that May Affect Ambient Copper Levels in SIYB

Environmental Factor	Evaluation
Tsunami	A tsunami was generated on January 15, 2022, following an underwater volcanic eruption off the coast of Tonga. Tsunami waves caused the waters in San Diego Bay to rise 1.4 feet. The surging and receding tsunami waves generated strong currents in SIYB that may have disrupted typical water circulation dynamics and briefly resuspended sediments throughout the basin. An evaluation was conducted to assess potential impacts of the tsunami on dissolved copper levels in SIYB. Notably, basin-wide average dissolved copper levels generally correlated with tides, with slightly higher average concentrations on outgoing tides and slightly lower average concentrations on incoming tides. However, this trend was not apparent during the week following the tsunami (Week 9). Samples during Week 9 were collected following a steep incoming tide, which was reflected in the relatively low dissolved copper results at the reference stations; however, dissolved concentrations within SIYB were slightly higher than those measured in previous weeks. This suggests that slightly elevated dissolved copper concentrations in Week 9 may have been related to residual effects from the tsunami (e.g., water circulation patterns, resuspension of sediment, etc.). While slight increases in dissolved copper concentrations were measured during Week 9 of the Monitoring Program following the tsunami, the Week 9 data points were not outliers and fell within the range of dissolved copper concentrations measured during the Pause. Further, by the following week (Week 10), the dissolved copper concentrations returned to levels similar to those measured before the
	tsunami (Week 8). Therefore, the tsunami is not expected to have had any significant impact on findings related to the effects of hull cleaning on dissolved copper concentrations

Notes:

% = percent; μg/L = microgram(s) per liter; °C = degree(s) Celsius; SIYB = Shelter Island Yacht Basin; TMDL = Total Maximum Daily Load

3.5 Quality Assurance and Quality Control

This section provides an assessment of data quality and usability for the analytical chemistry results. The chemistry laboratory reports prepared by Weck (Appendix C) also include detailed QC results sections.

For each monitoring event (16 weekly events and 1 post-storm event), all samples were submitted to the analytical chemistry laboratory on the day after they were collected. The samples were received on ice and in good condition at Weck. The samples for dissolved copper analyses were field-filtered by Wood immediately following collection and preserved by the laboratory upon receipt. All samples met holding time requirements for analysis.

Analytical chemistry results underwent a thorough QA/QC evaluation; they were determined to meet the data quality objectives in the QAPP and were deemed acceptable for reporting purposes, with the qualifications noted in the QC section of the laboratory reports (Appendix C).

A review of data quality indicators and evaluation of potential data impact associated with the analytical chemistry results are provided below:

- Low-level detections of dissolved copper were measured in some of the field blanks (FBs; 6 of 17 events) and equipment rinsate (ER) blanks (12 of 17 events).
 - Measurable concentrations of dissolved copper in FB samples ranged from 0.012 to 0.038 μg/L. Concentrations measured in ER blanks ranged from 0.005 to 0.53 μg/L. These low-level detections may indicate trace contamination in the field and equipment blanks, laboratory contamination, and/or a combination of calibration offset near the method reporting limit. The low-level concentrations were negligible relative to the sample concentrations measured within SIYB, and there is no impact on data usability.
- Low-level detections of dissolved copper were measured in some of the method blanks (5 of 17 events).
 - Measurable concentrations of dissolved copper in the method blanks ranged from 0.007 to 0.1 μg/L, which are orders of magnitude below SIYB sample concentrations. These ultra-low-level detections are expected due to the low method detection limit of 0.0038 μg/L. This trace-level laboratory contamination is considered to be negligible, and there is no impact on data usability.
- Laboratory control sample (LCS) recoveries for all sample batches ranged from 91 to 111% and were well within performance-based recovery limits (70–130%).
 - Of the 25 LCS results reported for dissolved copper, recoveries averaged 98.8%, indicating excellent overall accuracy. In addition, the 91 to 111% recovery range demonstrates very good precision.
- Matrix spike (MS) and matrix spike duplicate (MSD) recoveries were all within performance-based recovery limits, with the exception of one MS sample from Week 6.
 - Of the 41 MS/MSD pairs reported, recoveries averaged 99.8%, indicating very good overall accuracy. In addition, the 80 to 131% recovery range demonstrated good precision. There was one control limit exceedance of 131% recovery for a MS sample. However, this single exceedance was attributable to low spiking concentration relative to sample concentration. The data are flagged accordingly and reported as measured with no other data qualification.
- Five samples were reanalyzed due to anomalous results, including one site sample from Station C-9 (Week 2; ND [non-detect]), one site sample from Station C-10 (Week 2; ND), one site sample from Station C-12 (Week 10; 17 μg/L), one ER blank (Week 10; 1.9 μg/L), and one field blank (Week 12; 1.1 μg/L).
 - These results were reported as measured in the reanalysis without other data qualification.

4.0 SUMMARY OF MONITORING PROGRAM FINDINGS

The purpose of this Monitoring Program was to assess how a pause in hull cleaning of vessels with copper-based AFPs affects dissolved copper concentrations in SIYB. As described in this report, surface water samples for dissolved copper analyses were taken prior to, during, and after the Hull Cleaning Pause to conduct the assessment. The monitoring results provide information regarding the relationship between dissolved copper loading from hull cleaning and water quality in SIYB.

With regard to the specific findings of this Monitoring Program, there was an apparent increasing trend in dissolved copper concentrations during the Pre-Pause period and first two weeks of the Pause, followed by a slight downward trend in the remaining Pause and Post-Pause periods. This trend was particularly evident in the inner and middle regions of the basin where vessels are most concentrated. No clear trends in dissolved copper concentrations were observed in the outer portions of the basin near the mouth.

As previously discussed (Section 1.1), the 2005 SIYB TMDL Conceptual Model assumed that hull cleaning of copper-based AFPs contributed 5% to the total dissolved copper load to SIYB (compared with 93% for passive leaching), while a more recent study (Earley et al., 2013) indicated that the SIYB TMDL's hull cleaning load assumption may be an underestimate. The SIYB TMDL Model assigned the 5% hull cleaning load based on the assumption that each cleaning event is an instantaneous one-day event resulting in enhanced copper release rates only during the active cleaning of a vessel with copper-based AFP. In contrast, Earley et al. (2013) found that dissolved copper release rates were not only enhanced during the cleaning event, but for two to three days following the cleaning event, and then slowly declined until reaching a "pseudo steady state" approximately 30 days post-cleaning. As such, the Earley et al. (2013) study suggests that dissolved copper loading associated with hull cleaning occurs over a longer period of time following a cleaning event and consequently may account for a greater load contribution (i.e., >5%) than previously predicted in the TMDL.

Based on the findings presented in Earley et al. (2013), it was theorized that a complete pause in hull cleaning in SIYB for longer than the 30-day period expected for copper release rates to return to a "pseudo steady state" would result in an observable decrease in dissolved copper levels in the basin, as the load contribution from hull cleaning was reduced to zero. It was further theorized that if the hull cleaning load was substantially greater than the modeled 5% from the SIYB TMDL, then a corresponding decrease in dissolved copper may shift the basin-wide water quality substantially closer to the $3.1~\mu g/L$ water quality standard.

This report is intended to present results from the Hull Cleaning Pause Water Quality Monitoring Program to enable stakeholders, including regulatory agencies, to use this information to discuss and determine next steps for SIYB and other copper-related regulatory actions, where applicable. Specific findings from this Monitoring Program are highlighted below.

• There was an apparent increase in the dissolved copper levels throughout the basin during the Pre-Pause period and extending through the first two weeks of the Pause, particularly at the inner basin stations and the stations in closer proximity to vessels (i.e., enhanced stations). There was also a noticeable increase in hull cleaning activities in the last two weeks of the Pre-Pause period as boaters and hull cleaners prepared for the Hull Cleaning Pause. Under the assumption that dissolved copper leach rates spike following cleaning events, the increase in dissolved copper concentrations observed during the Pre-Pause period and beginning of the Pause period, particularly in the inner basin, could be attributed to an increase in hull cleaning activities.

- After the first two weeks of the Pause, dissolved copper concentrations began to trend downward over the remainder of the Pause period. This trend continued through the Post-Pause period. This finding was consistent with that presented in Earley et al. (2013), with the expected spike in dissolved copper concentrations from hull cleaning activities gradually diminishing as concentrations returned to "pseudo steady state" after the first 30 days of the Pause. The hull cleaning inspections conducted throughout the eight-week Hull Cleaning Pause did not find any instances where divers were cleaning or had cleaned (via dive tag observations) vessels with copper-based AFPs. This finding was further supported by the notable increase in marine growth (fouling) on vessel hulls throughout the basin over the course of the Pause.
- Following the Pause, it was assumed that hull cleaning frequency would increase to Pre-Pause levels as cleaning activities resumed. However, observations during dock walks conducted in the Post-Pause period did not indicate a notable increase in hull cleaning, suggesting that there may have been a delay in resuming routine hull cleaning activities following the Pause. This may have contributed to the continued slight downward trend in dissolved copper concentrations following the Pause.
- The Monitoring Program also included a stormwater sampling component to evaluate the potential effects of stormwater discharge on copper levels in SIYB and on the Hull Cleaning Pause monitoring results. The results of the pre- and post-storm weekly monitoring events suggested that stormwater discharge did not contribute a substantial amount of copper loading to SIYB. While the storm did appear to have an overall mixing effect on the spatial distribution of dissolved copper in SIYB (i.e., more uniform concentrations throughout the basin after the storm), the basin-wide average dissolved copper concentrations remained the same before and after the storm (11 µg/L). As such, storm events and associated stormwater runoff are not expected to have had any significant impact on dissolved copper levels or conclusions related to the effects of hull cleaning on dissolved copper concentrations throughout the Monitoring Program.
- While there was an observed decrease in basin-wide dissolved copper levels during the Pause and Post-Pause periods, it should be noted that the basin-wide average measured during the final week of the Monitoring Program (7.2 μg/L in Week 16) was similar to that measured during Week 1 (6.5 μg/L). These basin-wide average dissolved copper concentrations were also consistent with those measured during previous TMDL monitoring events (Wood, 2022a).
- While a pause in the hull cleaning of vessels with copper-based AFPs does decrease the load of dissolved copper into the basin, leading to subsequent reductions in dissolved copper concentrations, it appears that changes to the basin-wide dissolved copper concentrations are minimal when compared with the passive leaching of copper-based AFPs, which is the predominant source of copper loading to the basin.

 Despite observed decreases in dissolved copper levels during the Pause and Post-Pause periods, the total cessation of hull cleaning during the Monitoring Program was insufficient to reduce the basin-wide dissolved copper levels to a level that would achieve the current water quality standard (3.1 µg/L).

The following points should be considered when interpreting results from this Monitoring Program:

- It is not currently known what the dissolved copper levels would be if the study were to be
 extended over a longer period of time. However, the findings of this study suggest that a
 complete elimination of hull cleaning would not likely result in achievement of water quality
 standards in SIYB.
- It is not currently known how the effects of hull cleaning on dissolved copper levels may differ in other marina basins with different characteristics (e.g., number of vessels, size, hydrodynamics).
- Careful consideration must be given to balancing the value of hull cleaning in protecting, maintaining and preserving vessel hulls and in preventing invasive species with the environmental concerns related to cleaning.

5.0 REFERENCES

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APPENDIX A IN-WATER HULL CLEANING INSPECTION REPORTS



Hull Cleaning Pause Inspection Form

Marina: Kula Kai	F - 37	Inspector:		ontact: Jack - F		Date/Time: 12/19 - 1/00		
Facility Check-In				- OIL		1/2/11 1/00		
Marina Manager Presen	t?		Yes No		Notes			
Marina has current Auth	orized Dive	er List?	Yes No		Notes			
Divers currently checked	d in:		Yes	No	Notes			
(List names/companies i		ow)			JACK	at of office wh		
Diver Name: Dive Co		pany	" Calley	Authorized	Slips Visited	Stated Purpose		
General Observations General Marina Activity:		50 people)	people)	ate (10-50	Quiet (0-10	HC000 (\$500 \$.)		
Topside boat maintenance activities:	OBusy (>	10 boats)	(Modera boats)	ate (4-10	Quiet (0-3 boats)			
Water Quality:	Floatables	,	None	OTrash	○Foam	OSewage		
	Vegetatio	n	ONone	Q Limited	ONormal	OExcessive .		
	Odors		Υ	N)	Notes (Slip#):	The state of the s		
	Illicit Disch	harge	Y	N	101876969339			
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	X N	Actual Rainfa	ll: in.		
Vessels Identified with N	Non-Coppe	r Paint						
Vessel Name	sappe	Owner		Slip#	Paint	Info Verified? Y/N		



Field Observations of Diver Activity

Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Juny Lizuringa	A-1_	Yes	Yes	(b-48) No, Festicing Zines	No

Receipt Tags observed on slips

Buisness	Slip#	Date	
GMN:			
PRD			
Drty Bottoms Shelter Island Dain			
Shelter Island Dain	4		





Hull Cleaning Pause Inspection Form

Marina: HIFMORA	Inspector:	stow	Marina C	ontact:		Date/Time:		
Facility Check-In	1.023	3 ID-V	-			112/11-1900		
Marina Manager Present	t?		Yes	No	Notes A	re closed		
Marina has current Auth	orized Dive	r List?	Yes No I		Notes N/4			
Divers currently checked (List names/companies in		ow)	Yes	No	Notes 1/4			
Diver Name:	Dive Comp	pany		Authorized	Slips Visited	Stated Purpose		
General Observations						the second		
General Marina Activity:	OBusy (>	50 people)	OModer people)	ate (10-50	Quiet (0-10 people)			
Topside boat maintenance activities:	OBusy (>	10 boats)	OModer boats)	ate (4-10	Quiet (0-3 boats)			
Water Quality:	Floatables	i.	None	()Trash	○Foam	Sewage		
e consultation of the cons	Vegetatio	n	None	OLimited	Normal	()Excessive		
	Odors		Y	N	Notes (Slip#):	The second secon		
	Illicit Disch	narge	γ	(N)				
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y N	Actual Rainfa	II:		
Vessels Identified with N	Non-Coppe	r Paint						
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N		



Field Observations of Diver Activity

Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Orifin / Cruz	Dirty Bothers	No	Ves.	No. Video disservations	16

Receipt Tags observed on slips

Slip #	Date	
	Slip #	Slip # Date



Hull Cleaning Pause Inspection Form

Marina: Shuker Island Me	Mspector: . Kitaut		Marina Co	ontact:	£	Date/Time:
the same of the sa	Pil	alt	Nan	4-01	na	12-19/21 1030
Facility Check-In			L			
Marina Manager Present	t?		Yes (No)	Notes Nancy is	wknd staft
Marina has current Auth	orized Dive	r List?	Yes	No		
Divers currently checked		634	Yes	No)	Notes QU	nerally no whend
(List names/companies i	-	THE REAL PROPERTY.			Saro- 1	WALON JOSEP
Diver Name:	Dive Comp	pany		Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity:	○Busy (>!	50 people)	Modera	ate (10-50	Quiet (0-10) people)
			people)			
Topside boat	OBusy (>	10 boats)	OModerate (4-10		Quiet (0-3 boats)	
maintenance activities:			boats)			
Water Quality:	Floatables		None	OTrash	○Foam	○Sewage
	Vegetation	n	None	Climited	ONormal	○Excessive
	Odors		Y	(P)	Notes (Slip#):	
	Illicit Disch	narge	Υ	(D)		
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	(X N	Actual Rainfa	Who was a second
Vessels Identified with I	Non-Coppe	r Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Field Observations of Diver Activity

Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Buisness Slip # Date



Hull Cleaning Pause Inspection Form

Marina:	Inspector		Marina Co	ontact:		Date/Time:
Transcent De		KITAY	I I I I I I I I I I I I I I I I I I I	Dor		12/19/21 11:00
Facility Check-In	10,10			4-1		Tropical error
Marina Manager Present	t?		Yes	(No)	Notes	0
Marina has current Auth	orized Dive	er List?	Yes No		Notes port operated	
Divers currently checked (List names/companies i		ow)	Yes (No)		Notes	
Diver Name:	Dive Com	-	100	Authorized	Slips Visited	Stated Purpose
General Observations						
General Marina Activity:	OBusy (>50 people)		OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	○Trash	○Foam	OSewage
	Vegetatio	n	None	Climited	ONormal	(Excessive
	Odors		Y	W.	Notes (Slip#):	
	Illicit Disch	narge	Υ	N	0.000.000.000.0000	
Weather: Sunny	OPartly Cloudy	○Overcast	Rain last 72hrs:	(Y) N	Actual Rainfa	11: _ 0 . \ in. in.
Vessels Identified with N	Non-Coppe	r Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Field Observations of Diver Activity

Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Receint	Tone	aben	mond	-	eline
Receint	12005	ODSM	OHO	on	SHIDS

Mone

Buisness	Slip#	Date	
- Constitution			
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	11/2		
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Hull Cleaning Pause Inspection Form

Marina:	Inspector		Marina Co	ontact:	15	Date/Time:	
SDYC	K. last		Stet	Johnson	Scaringe	12/19/21 830A	
Facility Check-In		-			0		
Marina Manager Presen	t?		Yes	(No	Notes tall	red w/ security	
Marina has current Auth	orized Dive	er List?	Yes	No	Notes		
Divers currently-checked	d in:		Yes	(No)	Notes	Leas lates	
(List names/companies	in rows belo	ow)			Security said on sendays		
Diver Name:	Dive Comp	pany		Authorized	Slips Visited	Stated Purpose	
General Observations							
General Marina Activity	OBusy (>!	OBusy (>50 people)		OModerate (10-50 people)) people)	
Topside boat maintenance activities:	OBusy (>)	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables		None	()Trash	()Foam	Sewage	
P0000000000000000000000000000000000000	Vegetation Odors		None	Climited	THE RESIDENCE OF THE PARTY OF T	()Excessive	
			Y	N)	Notes (Slip#)	- Commence of the Commence of	
	Illicit Disch	narge	Υ	N			
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	(V) N	Actual Rainfa	ll: Od o in.	
Vessels Identified with I	Non-Copper	Paint					
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N	



Diver	Company	In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Issued? Y/N

	-	_	-

Bulsness Slip # Date

Bulsness Slip # Date



Marina: SGYC	Inspector: . K. I alt		Marina Contact: Front Desk			Date/Time:
Facility Check-In						19111
Marina Manager Present	t?		Yes	No	Notes	
Marina has current Auth	orized Dive	r List?	Yes No Notes From		Notes Front	seekerds, Said no wo
Divers currently checked	in:		Yes	(No)	Notes u	11
(List names/companies i	n rows belo	ws below)		0		100
Diver Name:	Dive Comp	pany		Authorized	Slips Visited	Stated Purpose
General Observations						
_	00 1		10		laha	
General Marina Activity:	OBusy (>:	OBusy (>50 people)		ate (10-50	Quiet (0-10	people)
Topside boat maintenance activities:	OBusy (>:	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables Vegetation Odors		None	OTrash	○Foam	Sewage
			⊘ None	OLimited	ONormal	OExcessive .
			Y	(N)	Notes (Slip#):	
	Illicit Disch	narge	Y	N)		
Weather: Sunny	OPartly Cloudy	○Overcast	Rain last (Y) N 72hrs:		Actual Rainfall:	
Vessels Identified with N	Non-Copper	Paint	•			
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Field	Observations of Diver Activit	v
FIRMO	Observations of Diver Activit	·v

Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
			-		

Buisness	Clin #	Date	- Since Day!	
uisness	Silb #	Date		



Notes Notes What (10-50 Quiet (10-50 Quiet (10-50 Trash OFoam	only weekend office of did not know a sign in shut. me time ed Stated Purpose	
Notes Tammo Notes Tammo Notes ViA Uthorized Slips Visite (10-50 Quiet (10) Trash OFoam	only weekend office of did not know a sign in shut. me time ed Stated Purpose	
Notes Notes What (10-50 Quiet (10-50 Quiet (10-50 Trash OFoam	o-10 people)	
Notes Notes What (10-50 Quiet (10-50 Quiet (10-50 Trash OFoam	Sign in Shut. me time ed Stated Purpose 0-10 people)	
Notes Notes What (10-50 Quiet (10-50 Quiet (10-50 Trash OFoam	Sign in Shut. me time ed Stated Purpose 0-10 people)	
(10-50 Quiet (0) (4-10 Quiet (0) (7) (7)	0-10 people)	
(10-50 Quiet (0) (4-10 Quiet (0) (7) (7)	0-10 people)	
(10-50 Quiet (0) (4-10 Quiet (0) (7) (7)	0-10 people)	
(4-10 Quiet (00.00.00.000.000.00	
Trash OFoam	0-3 boats)	
	Quiet (0-3 boats)	
	OSewage	
Limited ONormal		
Notes (Sli	ip#):	
)	0800000	
N Actual Ra	infall: 0. \(\tau \) in	
ip# P	aint Info Verified? Y/N	
ip# P	Paint Info Verified? Y/N	
SI		



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
				y	

Buisness	Slip #	Date	since Day	
Juisticas		-		
		_		
		_		



Marina: Kon Kai	Inspector Mari		Marina Co	Marina Contact: D. Fischetti		Date/Time:
Facility Check-In				- LOCHOTT		12/20 0,00
Marina Manager Presen	t?		Yes	No	Notes	
Marina has current Auth	orized Dive	er List?	Yjes	No	Notes	
Divers currently checked	l in:	1770	Yes	06	Notes Man	charled-in @ 800
(List names/companies i	n rows belo	ow)			Mone	Charled -14 6 800
Diver Name:	Dive Com	pany		Authorized	Slips Visited	Stated Purpose
Fabresio	Dir	by Bottom	ς	No	45	Zins
		Checodin	nt 1330			
General Observations General Marina Activity:	OBusy (>	50 people)	(Modern	ate (10-50	Quiet (0-10) people)
Topside boat maintenance activities:	OBusy (>	10 boats)	Moderate (4-10 boats)		Quiet (0-3	boats)
Water Quality:	Floatables		ONone	OTrash		Sewage
rroter scamely.	Vegetation		⊗ None	OLimited	Normal	()Excessive
)	Odors		Y	NV	Notes (Slip#)	The second secon
2	Illicit Discharge		Y	N	Troces (Silpay).	
Weather: Sunny			Rain last 72hrs:	Y X	Actual Rainfa	ll: in.
Vessels Identified with I	Non-Coppe	r Paint				
Vessel Name		Owner		Slip#	Paint Info Verified? Y/N	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Buisness	Slip#	Date	



Marina: Shetter Island Music	Inspector:		Marina Contact:			Date/Time: 12/2 0930
Facility Check-In				7 10 1		11-750
Marina Manager Present	?		Yes	No	Notes Clos	al (
Marina has current Auth	orized Dive	r List?	Yes	No	Notes N/A	
Divers currently checked	in:		Yes	No	Notes	
(List names/companies in		w)			N/A	
Diver Name:	Dive Comp	pany		Authorized	Slips Visited	Stated Purpose
General Observations						
General Marina Activity:	OBusy (>50 people)		Moderate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>1	(O boats)	Moderate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		ONone	⊗ Trash	○Foam	OSewage
	Vegetation		None	OLimited	ONormal	OExcessive /
	Odors		Υ	N.	Notes (Slip#):	
	Illicit Discharge		Υ	N	Appears to be printiciple	
Weather: Sunny	The state of the s		Rain last 72hrs:	Y X	Actual Rainfall:	
Vessels Identified with N	Non-Copper	Paint				
Vessel Name		Owner	wner Slip#		ip# Paint Info Verifi	



Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Herdez Diving	No	Yes	No, znes (108)	Vo
	+			
		In?	In? Y/N	In? Y/N what is reason for service?

Buisness	Slip #	Date	
		_	
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		_	
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Inspector:	P R du	Marina Co			Date/Time:
	.Dallow	- Ohele	2		12/20 - 1045
-		lu d			
Marina Manager Present?		Yes	No	Notes	
rized Dive	r List?	Yes	No	Notes	
Divers currently checked in: (List names/companies in rows below)			No	Notes Notes	
		_	Authorized	THE RESERVE THE PERSON NAMED IN	Stated Purpose
owe comp	any .		Ruthonized	Japa visiteu	Stated Purpose
					W
OBusy (>	50 people)			Quiet (0-10 people)	
OBusy (>:	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Floatables		⊗ None	()Trash	()Foam	Sewage
Vegetation	n	⊗ None	OLimited	ONormal	○Excessive
Odors		Y	N	The second second second	
	narge	Y			
OPartly Cloudy	Overcast	Rain last 72hrs:	YN	Actual Rainfall:	
on-Conne	r Paint	-			
ол сорре	Owner		Slip#	Paint	Info Verified? Y/N
	Owner		Slip#	Paint	Info Verified? Y/N
	OBusy (>5 OBusy	in: I rows below) Dive Company OBusy (>50 people) OBusy (>10 boats) Floatables Vegetation Odors Illicit Discharge OPartly Overcast Cloudy on-Copper Paint	rized Diver List? in: Yes rows below) Dive Company OBusy (>50 people) OBusy (>10 boats) Floatables Vegetation Odors O	Partly Overcast Cloudy Prized Diver List? Yes No No No No No No No No No No	Prized Diver List? Yes No Notes In: Prows below) Dive Company Authorized Slips Visited Authorized Slips Visited Obust (10-50 people) Busy (>50 people) Busy (>10 boats) Moderate (4-10 boats) Moderate (4-10 boats) Floatables None Trash Vegetation Odors Yes No Notes Notes Authorized Slips Visited Ouiet (0-10 people) None OLimited Normal Odors Yes No Notes Notes Notes Normal Normal Odors Yes No Notes Notes Normal Notes (Slip#): Opartly Overcast Rain last Y N Actual Rainfal Cloudy On-Copper Paint



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
None					

Slip #	Date	
	->	
	_	
	_	
	_	
	Slip #	



Marina: SDY(Inspector:		Marina Contact: Steph Johns		6.0	Date/Time: 12/20 - 1445
Facility Check-In						115
Marina Manager Present?			Yes	No	Notes Check	red-in w/ security
Marina has current Authorized Diver List?			465	No	Notes	
Divers currently checked in:			Yes	No	Notes	
(List names/companies in rows below)				None	2	
Diver Name: Dive Company			Authorized	Slips Visited	Stated Purpose	
General Observations General Marina Activity:	OBusy (>5	60 people)	Moder people)	ate (10-50	Quiet (0-10	people)
Topside boat maintenance activities:	⊗βusy (>1	(0 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	()Trash	○Foam	Sewage
CONTRACT CONTRACT	Vegetation		None	 ⊗ Limited	ONormal	()Excessive
	Odors		γ	NP	Notes (Slip#):	
	Illicit Disch	arge	γ	ND.	1	
Weather: Sunny	OPartly Cloudy	Overcast	Rain last Y Nº . 72hrs:		Actual Rainfall:	
Vessels Identified with I	Non-Copper	Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
None					

Buisness	Slip #	Date	
DOMESTIC 100-01			
		_	



Marina: SWY(Inspector:		Marina Co	ontact:		Date/Time: 2/20 - 1315
Facility Check-In	10	Jet or				115/20 1515
Marina Manager Present?			Yes	No	Notes	
Marina has current Authorized Diver List?			Yes	No	Notes	
Divers currently checked in: (List names/companies in rows below)			Yes	No	Notes Non	
Diver Name:	Dive Comp			Authorized	Slips Visited	Stated Purpose
Diver Name.		rent.				
General Observations						
General Marina Activity:	OBusy (>50 people)		OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		⊗ None	○Trash	○Foam	Sewage
	Vegetatio	n	⊘ None	OLimited	ONormal	OExcessive .
	Odors		Υ	Ďk.	Notes (Slip#):	
	Illicit Disch	narge	Υ	Ne		
Weather: OSunny	Partly	Overcast	Rain last 72hrs:	Y	Actual Rainfa	ll: in
Vessels Identified with I	Non-Coppe	r Paint				
Vessel Name	топ сорре	Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
None					

Buisness	Slip #	Date	
		_	
		_	



Von-Coppe	Paint Owner		Slip#	Paint	Info Verified? Y/N
Cloudy	Acrescast	72hrs:		Actual Naiilla	
	-	-	1	Actual Rainfa	ill:
	22770	-		Notes (Slip#):	
The second secon	n	-	12		(Excessive
		1000		and the contract of the contra	OSewage
		boats)			76
OBusy (>:	10 boats)	OModerate (4-10		Quiet (0-3	boats)
OBusy (>50 people)		OModerate (10-50		Quiet (0-1	0 people)
Diver Name: Dive Company			Authorized	Slips Visited	Stated Purpose
(List names/companies in rows below)					
Divers currently checked in:			No	Notes	
orized Dive	r List?	Yes	No	Notes	RI
17		Yes	No	Notes	
2					
4					
	OBusy (> Floatables Vegetation Odors Illicit Disch	orized Diver List? in: n rows below) Dive Company OBusy (>50 people) OBusy (>10 boats) Floatables Vegetation Odors Illicit Discharge OPartly Cloudy Non-Copper Paint	orized Diver List? In: In rows below) Dive Company OBusy (>50 people) OBusy (>10 boats) Floatables Vegetation Odors Illicit Discharge OPartly OPartly Cloudy Ves Yes Mone Yes Modera boats) Floatables None Odors Illicit Discharge OPartly Overcast Cloudy Non-Copper Paint	r? Yes No orized Diver List? Yes No in: Yes No Dive Company Authorized OBusy (>50 people) OModerate (10-50 people) OBusy (>10 boats) OModerate (4-10 boats) Floatables ONone Otimited Odors Y No Illicit Discharge Y No OPartly Overcast Rain last Y N Cloudy Non-Copper Paint	orized Diver List? Yes No Notes In: Prows below) Dive Company Authorized Slips Visited OBusy (>50 people) OBusy (>10 boats) Floatables Vegetation Odors Odo



PT . 1 . 1 . CT			A care day
Field O	bservations	of Diver	Activity

Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Recei	pt T	ags	obser	ved	on	slip	os

	1
None	observed
Dalle	01/2010

Buisness	Slip #	Date	
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			I			In . ter
Marina: Sulvegale YC	Inspector:	Aire	Marina Co		1:	Date/Time:
Sulvugale ic		alt	Culs	te legin	514	12/20/21 1300
racility Check-in			7	J		2 3 4
Marina Manager Present	17		Yes	No	Notes	
Marina has current Auth	orized Dive	r List?	Yes	No	Notes	
Divers currently checked	in:		Yes /	Np	Notes 1	noone at today
(List names/companies in	n rows belo	w)			Salo	noone all to day
Diver Name:	Dive Comp	any		Authorized	Slips Visited	Stated Purpose
General Observations						
General Marina Activity:	OBusy (>50 people)		OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>1	(O boats)	ØModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	○Trash	OFoam	Sewage
	Vegetation	1	None	OLimited	ONormal	()Excessive
	Odors		Y /	M	Notes (Slip#):	
	Illicit Disch	arge	Y	W _	100000	
Weather: Sunny	Partly	Overcast	Rain last 72hrs:	YO	Actual Rainfa	ll: in.
Vessels Identified with N		Paint				
Vessel Name	эл сорре	Owner		Slip#	Paint	Info Verified? Y/N
						1.



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Buisness	Slip#	Date	
Omega	618	NO DAR	
Omega Herdez	F/4	No Date	







Bay Chib Mar	Inspector:	CLIAU		4 Gaffar	Date/Time:	
Facility Check-In	-			1		To lost
Marina Manager Presen	t?		Yes No		Notes	
Marina has current Auth	orized Dive	er List?	Ye	No	Notes	
Divers currently checked (List names/companies i		nu)	Yes	No	Notes	
Diver Name:	Dive Com			Authorized	Slips Visited	Stated Purpose
General Observations			, = =			-
General Marina Activity:	OBusy (>!	OBusy (>50 people)		OModerate (10-50 people)		people)
Topside boat maintenance activities:	OBusy (>:	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	OTrash	○Foam	Sewage
	Vegetation	n	None	OLimited	ONormal	OExcessive .
	Odors		Y	(4)	Notes (Slip#):	
	Illicit Disch	narge	Υ	(N)		
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y (N)	Actual Rainfa	II:
Vessels Identified with N	Non-Coppe	r Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Buisness	Slip#	Date	
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ector:	limainia C	ontact:		Date/Time:
	Lan:	-2010/6/2		12/20/21 12:000
	1 - of att	75		Halada H
	Yes	Yes (No)		hotel lobby marin
d Diver List?	Yes	No	Notes	
vs below)	Yes	Yes No Notes		
Company	-	Authorized	Slips Visited	Stated Purpose .
usy (>50 people)	1 1000	ate (10-50	Quiet (0-10) people)
usy (>10 boats)	-	OModerate (4-10		boats)
tables	(None	()Trash	OFoam	Sewage
etation	ONone	OLimited	ONormal	()Excessive
rs	Y	N	Notes (Slip#):	
t Discharge	Y	N	Troces (Supa).	
artly Overcas		Y N	Actual Rainfal	II:
Copper Paint				
Owner		Slip#	Paint	Info Verified? Y/N
ortly Over		rcast Rain last 72hrs:	rcast Rain last Y N 72hrs:	rcast Rain last Y N Actual Rainfa 72hrs:



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Buisness	Slip#	Date	
Stal		No Date	sidetic main gargnery
O nege		No Date	Sidethe man gangular
Drega		No Duse	n 4)))
Onega	0114	NO Date	
Marlons Marine Service	07	NO DOR	towards end
Omega	Coal	NO DUH	end tus
nega	cook	No Dase	end rus
Onega	B52	'v a	
Marlons Morine	A35	4 4	





Marina:	Inspector:		Marina Co	ntact:		Date/Time:
Gold Coast	F 4 7	rit.	The second second second	Katherine		12/20/21 11:000
Facility Check-In				- Indicate Co		1111111111
Marina Manager Presen	t?		No Notes		Notes	
Marina has current Auth	orized Dive	er List?	Yes	No	Notes	
Divers currently checked (List names/companies i		luul	Yes	No	Notes	
Diver Name:	Dive Com			Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity:	⊝Busy (>	50 people)	OModera	ite (10-50	Quiet (0-10) people)
Topside boat maintenance activities:	OBusy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	()Trash	OFoam	Sewage
	Vegetatio	n	None	OLimited	ONormal	OExcessive .
	Odors			b	Notes (Slip#):	
	Illicit Disch		Y (A)			
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y (N)	Actual Rainfa	II: in
Vessels Identified with I	Non-Conne	r Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
					2

Buisness	Slip #	Date	
Omega	14	No Date	looked farly new
J			





ver List?	Yes Yes	No No No Authorized	Notes Notes Slips Visited	Stated Purpose
low)	Yes	No (No)	Notes	Stated Purpose
low)	Yes	No (No)	Notes	Stated Purpose
low)	\cup	(No)	Notes	Stated Purpose
	Yes		11.00	Stated Purpose
		Authorized	Slips Visited	Stated Purpose
		70		
⊝Busy (>50 people)		OModerate (10-50 people)		people)
>10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Floatables Vegetation Odors		OTrash	OFoam	OSewage
		OLimited	ONormal	()Excessive
		(N)	Notes (Slip#):	
charge	Υ	M)		
	Rain last 72hrs:	A ON	Actual Rainfal	ll: in.
er Paint				
Owner		Slip#	Paint	Info Verified? Y/N
	er Paint	Overcast Rain last 72hrs:	Overcast Rain last Y N 72hrs:	Overcast Rain last Y N Actual Rainfa 72hrs:



	7		
		7	
1			

teceipt Tags observed on slips	No toos		seen
natura seri	Cities #	Dite	

Buisness	Slip #	Date	
		_	
		_	



Marina: Crows Nest	Inspector:		Marina Co		i.	Date/Time:
Crows Nest	hia	1	Patricia + Mai		K	12/20/21 1/3
Facility Check-In	est.		2			1 (
Marina Manager Present	t?		(es No		Notes	
Marina has current Auth	orized Diver	List?	Yes	No	Notes	
Divers currently checked		22	Yes	(No)	Notes	
(List names/companies in rows below)			1		I	
Diver Name:	Dive Comp	any		Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity:	Cenar he	O popula)	Madar	ato /10 F0	Ø0lot /0.1/) necessary
General Marina Activity:	OBusy (>50 people)		OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	○Busy (>1	0 boats)	OModerate (4-10 boats)		≪Quiet (0-3 boats)	
Water Quality:	Floatables		None	OTrash	○Foam	Sewage
	Vegetation		None	OLimited	ONormal	()Excessive
	Odors		Y	Notes (Slip#):		
	Illicit Discha	arge	Υ	(N)	87973	
		Overcast	Rain last 72hrs:	st Y (N) Actual Rainfall:		II:
Vessels Identified with I		Paint	1000000			
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
					_

			100000000000000000000000000000000000000
Receipt	Tage	observed	on slins
INCREISE.	1 10 10 10 10	CORE SER	with antipos

No tags seen

Buisness	Slip #	Date	
		1	
		_	



Marina: Shelter	Inspector: Garry	Marina Co	ontact: Joe Witch		Date/Time: 1721 10:30	
Facility Check-In	viner	100	MITCH		19410.30	
Marina Manager Present	2	(Yes)	No	Notes		
Marina Manager Fresen	ur.	(les)	NO	Notes		
Marina has current Authorized Diver List?		(Yes)	No	Notes		
Divers currently checked in: (List names/companies in rows below)		Yes	(No)	Notes No di	vers present	
Diver Name:	Dive Company		Authorized	Slips Visited	Stated Purpose	
General Observations				_	1.4	
General Marina Activity:	OBusy (>50 people)	OModerate (10-50 people)				
Topside boat maintenance activities:	OBusy (>10 boats)	OModerate (4-10 boats)				
Water Quality:	Floatables	(PNone	OTrash	OFoam	Sewage	
	Vegetation	None	OLimited	ONormal	()Excessive	
	Odors	Υ	(D)	Notes (Slip#):		
	Illicit Discharge	Υ	(N)			
Weather: Sunny		Rain last Y N 72hrs:		Actual Rainfall:		
Vessels Identified with N	Non-Copper Paint					
Vessel Name	Owner		Slip#	Paint	Info Verified? Y/N	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
None					
1					
1					

Buisness	Slip#	Date	
None			
1			



Marina: SIVer Lade	Inspector:	Bardow	Marina Co	larina Contact:		Date/Time:
Facility Check-In			// The -			1100
Marina Manager Presen	t?		1965	No	Notes	
Marina has current Auth	orized Dive	r List?	195	No	Notes	
Divers currently checked	Divers currently checked in: List names/companies in rows below)		Yes	No	Notes	
(List names/companies i	n rows belo	w)	100		Non	2
Diver Name:	Dive Comp	pany		Authorized	Slips Visited	Stated Purpose
General Observations			10			
General Marina Activity:	OBusy (>	50 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	⊝Busy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	()Trash	()Foam	OSewage
	Vegetation	n	ONone	OLimited	ONormal	@Excessive
	Odors		Υ	P	Notes (Slip#):	
	Illicit Disch	narge	Υ	Ø.	Floring Marine growth	
Weather: OSunny	@Partly Cloudy	Overcast	Rain last 72hrs:	Y ON	Actual Rainfa	
Vessels Identified with I	Non-Coppe	r Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
\wedge	ane				

Buisness	Slip#	Date	
v			



Marina: Huf Moon	Inspector: Marina Con		ontact:		Date/Time:	
Facility Check-In		100				
Marina Manager Presen	t?		Yes	No	Notes	
Marina has current Auth	orized Dive	r List?	Yes	No	Notes	
Divers currently checked (List names/companies i		, wh	Yes	No	Notes Eche	Tindey - 1100m
Diver Name:		Dive Company		Authorized	Slips Visited	Stated Purpose
Felge	Herd	ez		Yes	Mighty	Zines
FelRe		AR		Yes		Zines
		(04)	loga)			
General Observations General Marina Activity:	OBusy (>!	60 people)	OModera	ate (10-50	3 Quiet (0-10	people)
Topside boat maintenance activities:	OBusy (>:	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	()Trash	○Foam	Sewage
	Vegetation	-	None	Climited	Normal	OExcessive
	Odors		Y	M	Notes (Slip#):	The state of the s
	Illicit Disch	arge	Y	N	Sheen observed Passibly	
Weather: Sunny	Partly Cloudy	Overcast	Rain last 72hrs:	Y	Actual Rainfa	
Vessels Identified with I	Non-Coppe	Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	* **				

Buisness	Slip #	Date	
No. Contract of the Contract o	7,3,0-0,0		
		_	
		_	



Marina:	Inspectors	rotor	Marina Contact:			Date/Time: 12/21 - 1305	
Facility Check-In			A		(III)		
	?		Yes	No	Notes		
Aarina Manager Present? Marina has current Authorized Diver List? Divers currently checked in: List names/companies in rows below)		Yes	No	Notes			
Divers currently checked	in:	200	Yes	No	Notes		
(List names/companies in	n rows belo	w)					
Diver Name:	AND DESCRIPTION OF THE PERSON NAMED IN COLUMN 1		A	Authorized	Slips Visited	Stated Purpose	
Devid Root	Hull	COST		Y		zincs	
General Observations			ń.				
General Marina Activity:	OBusy (>5	60 people)	Moderate (10-50 people)		Quiet (0-10 people)		
Topside boat maintenance activities:	OBusy (>1	(0 boats)	Moderate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables		None	()Trash	OFoam	OSewage	
	Vegetation		None	OLimited	ONormal	()Excessive	
	Odors		γ	M	Notes (Slip#)		
	Illicit Disch	arge	Y.	19	- Notes (Shpir).		
Weather: Sunny	@eartly Cloudy	Overcast	Rain last 72hrs:	Y X	The state of the s		
Vessels Identified with I	Non-Copper	Paint					
Vessel Name		Owner		Slip#	Paint	t Info Verified? Y/N	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
1/2	NO.				
1/10	14		1		

Buisness	Slip #	Date	



Marina:	Inspector;	110	Marina Co			Date/Time:	
Bay Club	Annal	one	She	164 G	nffin	12/21/21 154	
Facility Check-In			_			, ,	
Marina Manager Present?		(Yes) No		Notes			
Marina has current Authorized Diver List?		Yes	No	Notes			
Divers currently checked in:			Yes	(No)	Notes		
(List names/companies i	n rows belo	w)	- 53				
iver Name: Dive Company			Authorized	Slips Visited	Stated Purpose		
General Observations	OBuru IN	50 neonle)	OModor	20 (10 50	CiOniat 10.11	Decorle)	
General Marina Activity:	OBusy (>:	ou people)	OModerate (10-50 people)		Quiet (0-10 people)		
Topside boat maintenance activities:	OBusy (>:	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables		⊗None	OTrash	○Foam	Sewage	
	Vegetation	n	None	Climited	ONormal	()Excessive	
	Odors Ulicit Disch	arge	Y	N _	Notes (Slip#):		
Weather: Sunny	(S)Partly Cloudy	Overcast	Rain last 72hrs:	Y N	Actual Rainfa	nfall:	
Vessels Identified with I	Non-Coppe	Paint					
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N	
None							



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
None					

Buisness	Slip#	Date	
None after 12/18	5		
1,000			
	_		
	- 6		
	-		
	_		





Marina:	Inspector:		Marina C		w	Date/Time:
Kona Kai	Annak	Derie	1	ach t	ischetti	12/21 10:00 a
Facility Check-In			0			
Marina Manager Presen	t?		(Yes)	No	Notes	
Marina has current Authorized Diver List? (Divers currently checked in:			Yes	No	Notes	
Divers currently checked (List names/companies i		nw)	Yes	No	Notes	
Diver Name:		Dive Company		Authorized	Slips Visited	Stated Purpose
Fabresio	Dirty	Botton	ns	No	C45	Zinc
General Observations				1		
General Marina Activity:	⊝Busy (>	50 people)			Quiet (0-10 people)	
Topside boat maintenance activities:	ØBusy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		⊗None	OTrash	○Foam	○Sewage
	Vegetatio	n	⊗ None	OLimited	ONormal	()Excessive
	Odors		Y	(N)	Notes (Slip#):	
	Illicit Disch	narge	Y	(N)		
Weather: OSunny	⊗Partly Cloudy	Overcast	Rain last 72hrs:	Y (N)	Actual Rainfall:	
Vessels Identified with I		r Daint				in.
Vessel Name	чоп-сорре	Owner		Slip#	Paint	Info Verified? Y/N
None-						



Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	Company			In? Y/N what is reason for

Buisness	Slip#	Date	
None after 12	18		
/			





Marina: SWYC	Inspector:	17	Marina Contact:		- Marin	Date/Time:
	Annab	elle	Mark	Pearc	4	12/22 8:30 a
Facility Check-In				0		
Marina Manager Presen	t?		Yes (No)		Notes	
Marina has current Authorized Diver List?		(Yes)	No	Notes		
Divers currently checked in: (List names/companies in rows below)		Yes	(No)	Notes No n	nunager, but list	
Diver Name:	Dive Compa			Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity:	OBusy (>50	people)	OModera people)	ate (10-50	Quiet (0-10	people)
Topside boat maintenance activities:	OBusy (>10	boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		⊗None	()Trash	()Foam	OSewage
COURT CAR AND UP FILES	Vegetation		⊗None	OLimited	ONormal	()Excessive
	Odors		Y	N	Notes (Slip#):	The same of the sa
	Illicit Discha	rge	Υ	N)	25.500000000000000000000000000000000000	
Weather: Sunny		Overcast	Rain last 72hrs:	Y (N)	Actual Rainfa	ll: in
Vessels Identified with I	Non-Copper I	Paint				
Vessel Name		Owner		Slip#	Paint Info Verified? Y/N	
Mone.						



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
None					
	_				

Buisness	Slip#	Date	
None			
0100			



Marina:	Inspector:	v = 222	Marina C	ontact:		Date/Time:
La Playa Yacho	Annabelle		Fran	zK		12/22 9:00 an
Facility Check-In		7.00 - C.				
Marina Manager Present	t?		Yes	No	Notes	
Marina has current Auth	Marina has current Authorized Diver List?		Yes	No	Notes Vice	ued dock from idn't check in wy
Divers currently checked in: (List names/companies in rows below)			Yes	No	Notes No achi	
Diver Name:	Dive Comp			Authorized	Slips Visited	Stated Purpose
General Observations						
General Marina Activity:	○Busy (>5	50 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	()Trash	OFoam	○Sewage
	Vegetation		None	OLimited	ONormal	OExcessive
	Odors		Y	(N)	Notes (Slip#):	
	Illicit Disch	arge	Y	N)	,,,,,,	
Weather: Sunny	⊗Partly Cloudy	Overcast	Rain last 72hrs:	Y N	Actual Rainfa	ll: in.
Vessels Identified with N	lon-Coppe	Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N
none			***		j	



Field (bservations	of Diver	Activity
FIEID U	oservations	oi Diver	MULLIVILY

Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
none					
	-				
					-

Slip#	Date	
	Slip#	Slip # Date





Marina: SDYC	Inspector: Angabells	Marina Co	ontact:		Date/Time: 12/22 9:43 am fV
Facility Check-In	FINGADELS	_			112/22 1 10 191111
Marina Manager Present	17	Yes	No	Notes	
marina manager rieseni		100	NO	Mores	
Marina has current Auth	larina has current Authorized Diver List?		No	Notes	
Divers currently checked (List names/companies in		Yes	No	Notes	
Diver Name:	Dive Company		Authorized	Slips Visited	Stated Purpose
Oscar P.	Omni		Yes	6-E	Diver
Tomas	6mega	nega		F76	IWHC
General Observations General Marina Activity:	OBusy (>50 people)	ØModer	ate (10-50	OQuiet (0-10	people)
Topside boat maintenance activities:	OBusy (>10 boats)	Moderate (4-10 boats)		Quiet (0-3 l	poats)
Water Quality:	Floatables	⊗None	OTrash	○Foam	Sewage
	Vegetation	⊗None	OLimited	ONormal	○Excessive
	Odors	γ	N	Notes (Slip#):	
	Illicit Discharge	Υ	(N)	Commence of the commence of th	
Weather: Sunny	OPartly Overcast Cloudy	Rain last 72hrs:	Y (N)	Actual Rainfal	l: in.
Vessels Identified with N	Non-Copper Paint				
Vessel Name	Owner		Slip#	Paint	Info Verified? Y/N
Sweet Mar	ren		F74	Provented	time of insp. dearing before it begin
					Meritadion Jeaning i
				1	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Tomas	Omega	Yes	Yes	Yes, w/out docs	N, 49
Tomas	Omm	Yes	Yes	No Zincs only	N

Buisness	Slip#	Date	
None after 12/18			
	-		
	-		



Marina: SDYC	Inspector: Anna		Marina C	ontact:		Date/Time: 12/22 1:00 pw	
Facility Check-In	Hinria	Deric				16/24	
Marina Manager Present	t?		Yes	No	Notes		
Marina has current Auth	orized Dive	er List? (Yes	No	Notes		
Market Committee of the	Divers currently checked in: List names/companies in rows below)		Yes	Yes No		Notes No new divers Since last visit (12/22@9	
Diver Name: _ Dive Company		pany		Authorized	Slips Visited	Stated Purpose	
-							
General Observations							
General Marina Activity:	OBusy (>50 people)		OModerate (10-50 people)		Quiet (0-10 people)		
Topside boat maintenance activities:	OBusy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables		None	OTrash	○Foam	Sewage	
	Vegetatio	Vegetation		OLimited	ONormal	()Excessive	
	Odors		Υ	(N)	Notes (Slip#):		
	Illicit Disc		Υ	(N)			
Weather: Sunny	OPartly Cloudy	©Overcast	Rain last Y N 72hrs:		Actual Rainfall:		
Vessels Identified with I	Non-Coppe	r Paint					
		Owner		Slip#	Paint	Info Verified? Y/N	
norie				0			



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
none					
	_				
					4

Buisness	Slip #	Date	
none			



Marina:	Inspector:	Carlo Carlo	Marina Co			Date/Time:
Kona Kai	L, 1a	7	Jack	fischett.		12-02-21 1055
Facility Check-In						
Marina Manager Present	t?		(ES)	No	Notes	
Marina has current Auth	orized Dive	r List?	e	No	Notes	
	Divers currently checked in: List names/companies in rows below)		Yes	No	Notes	
Diver Name:	Dive Comp		N .	Authorized	Slips Visited	Stated Purpose
Offail Cruz	Dirty Battoms Shelke Island Dw		ms	V	K22, A17	metals
Adriano Cipriano	Sheli	er Island	Durny	1/	C30	zincsonly
General Observations General Marina Activity:	OBusy (>5	60 people)	⊘ Modera	ate (10-50	Quiet (0-10) people)
			people)			
Topside boat maintenance activities:	DBusy (>1	0 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	()Trash	()Foam	Sewage
	Vegetation Odors		ONone	Limited	Normal	()Excessive
			_	(N)	Notes (Slip#):	~
	Illicit Discharge		Y	(N)	1	
Weather: Sunny	Partly	Overcast	Rain last 72hrs:	YN	Actual Rainfall:	
Vessels Identified with N	Non-Copper	Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
OR fail Croz	Dirty Bottoms	Y	4	No-metals only	N

Buisness	Slip#	Date	
Blue Moon	C10	12/20 tag	may be topside
71	EL	II.	11 2
Blue Moon	442	12/21 tag	М
cl	IG	11	11
V	I74	4	il



s belc Comp	ow) pany 50 people)	Yes Yes OModer people)	No No	Notes Notes Slips Visited	Stated Purpose
s belo Comp	ow) pany	Yes	No (No) Authorized	Notes Notes Slips Visited	Stated Purpose
s belo Comp	ow) pany	Yes	No (No) Authorized	Notes Notes Slips Visited	
s belo Comp	ow) pany	Yes	Authorized	Notes Slips Visited	
Sy (>	pany	OModer	Authorized	Slips Visited	
Sy (>	pany				
sy (>:					
25000	50 people)		ate (10-50	Quiet (0-10	people)
				1	
sy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
ables	s	None	()Trash	OFoam	OSewage
tatio	n	None	OLimited ONormal	()Excessive	
5		Y	-	Notes (Slip#):	
Disch	harge	Y			89
rtly	Overcast	Rain last 72hrs:	Y (N)	Actual Rainfal	ll: in.
oppe	r Paint	1			
Ppe	Owner		Slip#	Paint	Info Verified? Y/N
	Disc rtly ly	Discharge rtly Overcast ly opper Paint	Discharge Y Ttly Overcast Rain last 72hrs:	Discharge Y N Overcast Rain last Y N 72hrs:	Discharge Y N Notes (Slip#): Overcast Rain last Y N Actual Rainfa Opper Paint



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Buisness	Slip #	Date	
Blue Moon	423	12/21	topside?
			,
			2



Facility Check-In Marina Manager Present? Marina has current Authorized Divers currently checked in: (List names/companies in rows) Diver Name: Diver		Marina Co J ((- Yes) Yes (No No	Notes FONT C Notes Notes Slips Visited	Date/Time: //250 (fice Stated Purpose
Marina Manager Present? Marina has current Authorized Divers currently checked in: (List names/companies in rows Diver Name: Dive	s below)	®	No No	Front o Notes	Hice
Marina Manager Present? Marina has current Authorized Divers currently checked in: (List names/companies in rows Diver Name: Dive	s below)	®	No No	Front o Notes	
Divers currently checked in: (List names/companies in rows Diver Name: Dive	s below)		Ng	Notes Notes	
(List names/companies in rows Diver Name: Dive	With the last terms of the las	Yes (Stated Purpose
Diver Name: Dive	With the last terms of the las		Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity: OBu	sy (>50 people)	OModera	ite (10-50	Øquiet (0-10	people)
		people)		,	
Topside boat OBu maintenance activities:	sy (>10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality: Float	ables	None	()Trash	○Foam	OSewage
Vege	tation	None	OLimited	ONormal	()Excessive
Odor		Y	D	Notes (Slip#):	
	Discharge	Y			
Weather: Sunny Pa	rtly Overcast	Rain last 72hrs:	Y N	Actual Rainfal	ll: in
Vessels Identified with Non-Co	opper Paint				
Vessel Name	Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

TOUGHT STATE		
E13	NO DAKE	looks older
-		
-		



Marina:	Inspector:		Marina Co	ontact:		Date/Time:	
Gold (ooast	KITA	it	Cat	herre		12/20/2/1/30/	
Facility Check-In	A COLUMN			Market Street		Trail and I want	
Marina Manager Presen	t?		Yes	No	Notes		
Marina has current Auth	orized Dive	er List?	Yas	No	Notes		
Divers currently checked (List names/companies i		ow)	Yes	(N)	Notes		
Diver Name:	Dive Comp			Authorized	Slips Visited	Stated Purpose	
General Observations							
General Marina Activity:	Busy (>50 people)		OModerate (10-50 people)		Quiet (0-10 people)		
Topside boat maintenance activities:	OBusy (>1	10 boats)	OModerate (4-10 boats)		ØQuiet (0-3 boats)		
Water Quality:	Floatables		ONone OTrash		()Foam	Sewage	
ACCORDING TO S	Vegetation	n	None	OLimited	Normal	()Excessive	
	Odors		Y	Ø.	Notes (Slip#):		
	Illicit Disch	arge	v	(a)	Trotes (Supur).		
Weather: Sunny	OPartly Cloudy	Ø0vercast	Rain last 72hrs:	Y ()	Actual Rainfa	ll: in.	
Vessels Identified with N	Non-Copper	Paint					
Vessel Name		Owner		Slip#	Paint Info Verified? Y/N		



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Buisness	Slip #	Date	
10100.00-00-0			
		_	





Marina: (Moon	The second second			arina Contact:		Date/Time:
Facility Check-In	100		^			10 100/
Marina Manager Present	?		Yes No		Notes	
Marina has current Auth	orized Dive	r List?	Yes	No	Notes	
Divers currently checked in: (List names/companies in rows below)			Yes	Yes (No N		
Diver Name:	Dive Comp			Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity:	OBusy (>5	60 people)	OModer	ate (10-50	Quiet (0-10	0 people)
Topside boat	OBusy (>1	10 boats)	OModerate (4-10		Quiet (0-3	boats)
maintenance activities:			boats)			10-
Water Quality:	Floatables		None	OTrash	○Foam	Sewage
	Vegetation	1	None	OLimited	ONormal	○Excessive
	Odors		Y	(3)	Notes (Slip#)	
	Illicit Disch		Y	(N)		
Weather: OSunny	OPartly Cloudy	Overcast	Rain last Y N 72hrs:		Actual Rainfall:	
Vessels Identified with I	Non-Copper	Paint				
Vessel Name		Owner		Slip#	Paint Info Verified? Y/N	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Buisness	Slip#	Date	
Marlan Marine	A35	No Date	looks dder
all other	undated	tags the	Same as inspection
01	10/20/	by K.J	Tex





Marina: SW YC	Inspector:	P. Berlow	Marina Co	intact:		Date/Time: 12/23 -0800	
Facility Check-In		1127 21 11 10 10		Triber - U			
Marina Manager Presen	t?		Yes	No	Notes Befor	e Ofen	
Marina has current Auth	orized Dive	r List?	Yes	No	Notes N/A		
	Divers currently checked in: (List names/companies in rows below) Diver Name: Dive Company		Yes	No	Notes N/A-		
Diver Name:	Dive Comp	oany		Authorized	Slips Visited	Stated Purpose	
General Observations General Marina Activity:	OBusy (>	50 people)	OModera	ate (10-50	ØQuiet (0-10) people)	
			people)				
Topside boat maintenance activities:	OBusy (>:	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables		ONone	()Trash	 ○Foam	Sewage	
Acceptance and Control of the Contro	Vegetation		None	OLimited	ONormal	()Excessive	
	Odors	-	Y	N	Notes (Slip#):		
	Illicit Disch	arge	Y	N.	10100 (0.18.17)		
Weather: Sunny	Partly Cloudy	Overcast	Rain last 72hrs:	Y X Actual Rainfa		ll: in.	
Vessels Identified with I	Non-Coppe	Paint					
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
		_			·
		NQ -			
	No				
			-		
		+			

Buisness	Slip#	Date	
		_	
		-	





Marina: SDYC	Inspector	SETION	Marina Contact:			Date/Time: 2/23 - 09/5
Facility Check-In		St. 181-2	0%			
Marina Manager Present?			Yes	No	Notes	
Marina has current Authorized Diver List?		You's	No	Notes		
Divers currently checked	l in:		Yes	No	Notes	e 11 To 12
(List names/companies in rows below)			10.78	1	Mone	checked-in
Diver Name:	Dive Com	pany		Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity: Topside boat maintenance activities: Water Quality:	OBusy (>!		Modera people) Modera boats) None	ate (10-50 ate (4-10	Quiet (0-10	boats)
water Quanty.	Vegetation		None	OLimited	ONormal	OSewage OExcessive
1	Odors		Y	N.	Notes (Slip#):	
	Illicit Disch	arge	Y	Dr.	Troces (Silpin).	
Weather: Sunny	Partly	Overcast	Rain last 72hrs:	Y MK	Actual Rainfa	ll: in.
Vessels Identified with N	Non-Coppe	7				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver		Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	,					
	Nov	L				
		1				

Slip#	Date	
	Slip #	Slip # Date





Marina: HUF MOON	Inspector:		Marina Contact:			Date/Time:
Facility Check-In			-			12/23
Marina Manager Present?			YM	No	Notes	
Marina has current Auth	orized Dive	r List?	Yes	No	Notes	
Divers currently checked in: (List names/companies in rows below)			Yes	Ν¢	Notes	5.1-
	Diver Name: Dive Company					as of 1030
Diver Name:	Dive Comp	bany		Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity:	OBusy (>5	50 people)	OModera people)	ate (10-50	Quiet (0-10	D people)
Topside boat maintenance activities:	○Busy (>1	10 boats)	OModerate (4-10 boats)		(Quiet (0-3 boats)	
Water Quality:	Floatables		@None	()Trash	()Foam	OSewage
rrater againty.	Vegetation		None	Climited	ONormal	(Excessive
	Odors		Y	N.	Notes (Slip#)	0
	Illicit Disch	arge	Y	N.	1	
Weather: Sunny	Partly	Overcast	Rain last 72hrs:	Y 3V	Actual Rainfa	II: in.
Vessels Identified with I	Non-Copper	Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	None				
					-

Slip #	Date	
	_	
	_	
	-	
	Slip #	Slip # Date



Marina: Bry Club	Inspector: Barlow		Marina Contact:		/	Date/Time: 12/23 - 1/n/)
Facility Check-In				Total Control		100
Marina Manager Present? Marina has current Authorized Diver List?			Y) No		Notes	
Marina has current Authorized Diver List?			Yes	No	Notes	
Divers currently checked in:			Yes	Not	Notes	
(List names/companies in rows below)		ow)	1	34		
Diver Name:	Dive Company			Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity:	OBusy (>		people)	ate (10-50	Quiet (0-10	
maintenance activities:	Cousy (>	to boats)	OModerate (4-10 boats)		(0-3 boats)	
Water Quality:	Floatables		None	OTrash	○Foam	OSewage
	Vegetation	n	None	Limited	ONormal	©Excessive
	Odors		Y	N-	Notes (Slip#):	
	Illicit Disch	narge	Y	Ne	1	
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y V	Actual Rainfa	ll: in.
Vessels Identified with I	Non-Coppe	r Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Buisness	Slip #	Date	
			-
			- V
	1/1/2		
		_	





Marina: Kona Kai	Inspector	Barlow	Marina Contact:			Date/Time: 2/23 - L33
Facility Check-In						(
return and the second of the s	Marina Manager Present?		不够	No Notes		
Marina has current Authorized Diver List?		Yes.	No	Notes		
Divers currently checked in: (List names/companies in rows below)		Yes	NO	Notes As	of 1530	
Diver Name: Dive Co			No.	Authorized	Slips Visited	Stated Purpose
General Observations						
General Marina Activity:	○Busy (>	50 people)	@Moderate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	○Busy (>:	(0 boats)	Moderate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables			OTrash	○Foam	○Sewage
	Vegetation	1	None	OLimited	ONormal	()Excessive
	Odors		Υ	N	Notes (Slip#):	
	Illicit Disch	arge	Υ	N	1	
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y AT	Actual Rainfa	ll: in.
Vessels Identified with N	Non-Coppe	Paint				No. 10.000 to 10.000 or 10.00
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Slip#	Date		
	Slip #	Slip # Date	Slip # Date





INDICATE OF THE PARTY AND ADDRESS OF THE PARTY	rina: Inspector: Ona Kai Marina IC, Tali		Marina Contact:			Date/Time: 12-103/2-1 (2)
Facility Check-In	10000	(L)	CWOR	10		12/03/21 (0)
Marina Manager Presen	it?		(Yes	No	Notes	
		0		inotes		
Marina has current Authorized Diver List?			Yes.	No	Notes	
Divers currently checked in: (List names/companies in rows below)			Yes	(N)	Notes	
Diver Name:	Dive Com	pany		Authorized	Slips Visited	Stated Purpose
General Observations						
General Marina Activity:	: OBusy (>50 people)		Moderate (10-50 people)		Quiet (0-10 people)	
	OBusy (>10 boats)		(4-10 boats)		Quiet (0-3	boats)
	Cousy (>		boats)			
maintenance activities:	Floatables	V. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	boats) None	()Trash	○Foam	Sewage
maintenance activities:		5		OTrash OLimited	○Foam ○Normal	○Sewage ○Excessive
maintenance activities:	Floatables	5	None	-	-	(Excessive
maintenance activities:	Floatable: Vegetatio	s n	⊗None ○None	Limited	Normal	(Excessive
maintenance activities: Water Quality:	Floatables Vegetatio Odors Illicit Disci	s n	⊗None ○None Y	(N)	Normal	©Excessive
Topside boat maintenance activities: Water Quality: Weather: Sunny Vessels Identified with I	Floatables Vegetatio Odors Illicit Disci OPartly Cloudy	harge Overcast	None None Y Rain last	(N)	ONormal Notes (Slip#):	()Excessive

PORT of SAN DIEGO

Field Observations of Diver Activity

Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
ORFalCruz	Dirty Bottoms	N	4	Metals or I-39	N. But
	J				He sig
					yeste

Slip#	Date	
B5	12/22	seen on 12/25
ADD	12/20	C)
AZG	00/2/02	L.F
	B5 A22	B5 12/22



Shelter Island	Inspector: K. Tait		Marina Contact: Doe Ravirch			Date/Time:
Facility Check-In			-			
Marina Manager Present?			Yes No		Notes	
Marina has current Authorized Diver List?			Yes No N		Notes	
Divers currently checked in: (List names/companies in rows below)			Yes	(No)	Notes	
Diver Name: Dive Company				Authorized	Slips Visited	Stated Purpose
	3					
General Observations						
General Marina Activity:	Busy (>50 people)		OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	⊝Busy (>	10 boats)	Moderate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	OTrash	○Foam	Sewage
	Vegetatio	n	None	Climited	ONormal	○Excessive
	Odors		Υ	(A)	Notes (Slip#):	
	Illicit Disch	narge	Υ	(N)	a compartment of	
Weather: OSunny	The state of the s		Rain last Y (N 72hrs:		Actual Rainfall:	
Vessels Identified with I	Non-Coppe	r Paint				in
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Buisness	Slip#	Date	
No new tag	\$ from	12/02	inspection
J			
	10.000		



Marina:	Inspector:	u=p	Marina Co	ntact:	9	Date/Time;
Gold Coast	16.7	ait	Kut	herne	C.	12/23/21 1231
Facility Check-In					W.	
Marina Manager Presen	t?	1	Mas	No	Notes	
Marina has current Authorized Diver List?		Ŷe3	No	Notes		
Divers currently checked	in:		Yes	No	Notes	
(List names/companies i	n rows belo	ow)		0	10000	
Diver Name:	Dive Com	pany	-	Authorized	Slips Visited	Stated Purpose
General Observations						
	OBusu fo	EO noonlo\	OMedon	to /10 FO	(X0)Is\
General Marina Activity:	Opusy (>	so people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>	10 boats)	OModerate (4-10 boats)		QQuiet (0-3 boats)	
Water Quality:	Floatables		None	OTrash	Foam	Sewage
	Vegetatio	n	None	OLimited	○Normal	OExcessive .
	Odors		Y 1	N	Notes (Slip#):	
	Illicit Disch	narge	Υ	M		
Weather: Sunny	OPartly Cloudy	Sovercast	Rain last 72hrs:	A On	Actual Rainfall:	
Vessels Identified with I		r Paint	-			in.
Vessel Name	топ-сорре	Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
		-			

Buisness	Slip #	Date		
			section .	
1	2011	raa ina	NO.	
No	100	1 110		
100	12	100	1	
	ma	-	2	
5	14.			



Marina:	Inspector: Marina Contact:		ontact:		Date/Time:	
Crows Nest	KTait		Patricia			12/23/21 1245
Facility Check-In	- 10	***		10000		100001 100
Marina Manager Presen	t?		Yes	(No)	Notes	0.00
			8899		107/00/00	1
Marina has current Auth	orized Div	er List?	Yes	No	Notes 0 600	assed using used
Divers currently checked in: (List names/companies in rows below)		Yes	No	Notes (LU	gare coo	
Diver Name:	Dive Com			Authorized	Slips Visited	Stated Purpose
General Observations	100	50 11	Tour :			
General Marina Activity:	OBusy (>	50 people)	OModerate (10-50 people)		Quiet (0-10	people)
Topside boat maintenance activities:	○Busy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables	5	None	○Trash	○Foam	Sewage
	Vegetatio	n	None	Climited	ONormal	()Excessive
	Odors		Y	(1)	Notes (Slip#):	
	Illicit Disci	harge	Y	W		
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	A De	Actual Rainfa	ll: in
Vessels Identified with N	lan Conno	e Dalma	W ==		0/	
Vessel Name	von-coppe	Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
					0
			-		

Buisness	Slip#	Date	
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< \	NO 103	XXXXX	
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Marina: Tonga Landing	Inspector: K.Tajt		Marina Contact:			Date/Time:
Facility Check-In	P. 10	11	100			10012
Marina Manager Present? Marina has current Authorized Diver List? Divers currently checked in: (List names/companies in rows below)		Ves No		Notes		
		We9	No	Notes		
		Yes	No.	Notes		
Diver Name:	Dive Comp			Authorized	Slips Visited	Stated Purpose
General Observations						
General Marina Activity:	OBusy (>	50 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	⊝Busy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	OTrash	○Foam	Sewage
, rate, square,	Vegetatio		None	OLimited	ONormal	()Excessive
	Odors		Y	(N)	Notes (Slip#)	
	Illicit Disch	narge	Y	N	inotes (Silpin)	
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y (M)	Actual Rainfall:	
Vessels Identified with I	Non-Coppe	r Paint				in.
Vessel Name	1997	Owner		Slip#	Paint	t Info Verified? Y/N
		3-				



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
					Î

Buisness	Slip #	Date	
N	o ven	CUALL .	
	Livita	31.	
	oan,	rech	
	1 /1	SX	
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Marina: Half	Inspector:		Marina Co	ntact:)	Date/Time: \2 24 21 \0:20
Facility Check-In	1					
Marina Manager Present? Marina has current Authorized Diver List?			Yes	(No	Notes	
		Yes	No	Notes N	A (office closed)	
Divers currently checked	in:		Yes	No	Notes // /	X
(List names/companies i	n rows belo	w)			1.0	(office (sed)
Diver Name:	Dive Comp	any		Authorized	Slips Visited	Stated Purpose
General Observations	IOn 1 1		TO		10/	
General Marina Activity:	OBusy (>5	0 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>1	0 boats)	OModerate (4-10 boats)			
Water Quality:	Floatables		© None	OTrash	Foam	Sewage
	Vegetation	1	ONone	D Cimited	ONormal	(Excessive
	Odors		Υ	(N)	Notes (Slip#):	
	Illicit Disch	arge	Υ	M		
Weather: Sunny	Partly Cloudy	Overcast	Rain last 72hrs:	€ N	Actual Rainfa	ll: in.
Vessels Identified with I	Non-Copper	Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Sky lar Haffnan	GLECUTIVE Yacht	NIA	N	NO IWHC. Prop mainknance	N

Buisness	Slip#	Date	





Marina:	Inspector:		Marina Contact:			Date/Time: 12/24 - 0900
Facility Check-In			<i>0</i> -			
Marina Manager Present?			Vas-	No	Notes	
Marina has current Auth	Marina has current Authorized Diver List?			No	Notes	
Divers currently checked in:			Yes	No	Notes	
(List names/companies in rows below)		1000	-			
Diver Name:	Dive Com			Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity:	OBusy (>!	50 people)	OModera people)	ate (10-50	Quiet (0-10) people)
Topside boat maintenance activities:	OBusy (>:	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		ONone	()Trash	 ⊘ Foam	OSewage
	Vegetation		ONone	OLimited	ONormal	⊘ Excessive
	Odors		Y	N	Notes (Slip#):	
	Illicit Disch	narge	Y	M	reaces (supu).	I-16 (Four)
Weather: Sunny	Partly Cloudy	Overcast	Rain last 72hrs:	X N	Actual Rainfa	
Vessels Identified with !	Von-Coppe	Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	None				
	1,-				

Buisness	Slip#	Date	
		_	





Marina: Bay Oub	Inspector:		Marina Contact:			Date/Time:
Facility Check-In			//sc==			
Marina Manager Present?		Yes	No Notes			
Marina has current Auth	orized Dive	r List?	Yes	No	Notes	
Divers currently checked	lin:		Yes	Ne	Notes	
(List names/companies i		w)	1332			
Diver Name:	Dive Comp			Authorized	Slips Visited	Stated Purpose
General Observations						
General Marina Activity:	OBusy (>5	() people)	OModera	ite (10-50	Quiet (0-10) people)
	0003, (00	o people)	people)		~	
Topside boat maintenance activities:	OBusy (>1	0 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		ONone	○Trash	()Foam	Sewage
	Vegetation		ONone	OLimited	ONormal	€ Excessive
	Odors		γ	N	Notes (Slip#):	
	Illicit Disch	arge	γ	N	1	
Weather: Sunny	OPartly Cloudy	Øvercast	Rain last 72hrs:	K N	Actual Rainfa	II: 1_in.
Vessels Identified with I	Non-Copper	Paint		4000		
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N
					c	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	Nore				
	_				

Buisness	Slip #	Date	



Marina: SDYC	Inspector: Borlow		Marina Contact:			Date/Time:
Facility Check-In			7.			
Marina Manager Presen	t?		Yes	No	Notes	
Marina has current Authorized Diver List? Divers currently checked in: (List names/companies in rows below)		Yes	No	Notes Charked in w/ Security		
		W/s	No	Notes		
Diver Name: Dive Company		1	Authorized	Slips Visited	Stated Purpose	
Diver Name.	Dive Company			Authorized	Slips visited	Stated Purpose
Verdyd	OM).		Y		Motor Ports
General Observations			TE.			
General Marina Activity:	OBusy (>5	50 people)	Moderate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>)	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	()Trash	○Foam	Sewage
NAMES A SERVICE DATE OF	Vegetation	n	ONone	OLimited	ONormal	Excessive
	Odors		Υ	NC	Notes (Slip#):	
	Illicit Disch	arge	Υ	N	1	
Weather: Sunny	Partly Cloudy	Overcast	Rain last 72hrs:	N	Actual Rainfa	II: 1_in.
Vessels Identified with I	Non-Copper	Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Rafuel Verdyo	OMn;		Nes	No motor Ports	M
	-				

Buisness	Slip#	Date	
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Marina:	Inspector:	Dn . /	Marina Co	ontact:		Date/Time:
Kona Kai		P.Barlow	1 7	. Fishit	1	12/26 - 1210
Facility Check-In			VISA			. 1
Marina Manager Present?			Age.	No	Notes	
Marina has current Authorized Diver List?		196	No	Notes		
Divers currently checked in:			Yes	No	Notes	
(List names/companies in	n rows belo	w)	-		Office	Closed
Diver Name:	Dive Comp	pany		Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity:	○Busy (>5	50 people)	The state of the s	ate (10-50	Quiet (0-10) people)
	0	W 4000 0400	people)			
Topside boat	OBusy (>1	(0 boats)	OModerate (4-10		Quiet (0-3 boats)	
maintenance activities: Water Quality:	Floatables	7	boats)	()Trash	○Foam	Sewage
water quanty.	Vegetation		ONone	Cimited	Normal	()Excessive
	Odors		Y	- Control Control Control	Notes (Slip#):	
	Illicit Disch	arge	Y	N N	ivotes (supa).	
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	X N	Actual Rainfall: ~1, 5	
Vessels Identified with N	Non-Coppe	Paint				
Vessel Name	оп сорре	Owner		Slip#	Paint	Info Verified? Y/N

1/4/00 6-25



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	And I				
	Mr.				

Buisness	Slip #	Date	
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Marina: She Het Island	Inspector	Berton	Marina Contact:			Date/Time:	
Facility Check-In	na.		37			11/20 120	
	Marina Manager Present?		Yes	NK	Notes Office Closed		
Marina has current Authorized Diver List?		Yes	No	Notes //	fice Closed		
Divers currently checked in:		Yes	Mg	Notes			
(List names/companies in rows below)							
Diver Name:	Dive Comp	any		Authorized	Slips Visited	Stated Purpose	
General Observations							
General Marina Activity:	-	sick Bont	OModerate (10-50 people)		Quiet (0-10 people)		
Topside boat maintenance activities:	OBusy (>1		OModerate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables	0	None	()Trash	()Foam	OSewage	
	Vegetation	1	None	Climited	Normal	()Excessive	
	Odors		Y	K	Notes (Slip#):		
	Illicit Disch	arge	Υ	DE	1		
Weather: Sunny	Partly	○Overcast	Rain last 72hrs:	X N	Actual Rainfall:		
Vessels Identified with N	Non-Copper	Paint					
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N	



Diver		Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	1	nl				
	10					

Buisness	Slip #	Date	
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Marina: By (Ub	Inspector Barlow		Marina Co	ontact:		Date/Time: D/26 - 1345
Facility Check-In			-550-7550			
Marina Manager Presen	t?		MA.	Nó	Notes	
Marina has current Authorized Diver List?		No.	No	Notes		
Divers currently checked	f in:	100	Yes	W	Notes	
(List names/companies in rows below)			1			
Diver Name: Dive Company		pany		Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity:	Busy (>	50 people)	OModera people)	ate (10-50	Quiet (0-10) people)
Topside boat maintenance activities:	○Busy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	()Trash	○Foam	OSewage
100000000000000000000000000000000000000	Vegetation		None	Climited	Normal	OExcessive
	Odors		Y	DK.	Notes (Slip#):	
	Illicit Disch	narge	Y	36	Trottes (ompin)	1
Weather: Sunny	Cloudy	Overcast	Rain last 72hrs:	N	Actual Rainfa	ll: 1.5 in.
Vessels Identified with I	Non-Coppe	r Paint				
Vessel Name		Owner		Slip#	Paint Info Verified? Y/N	
9						



Diver		Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	1	one				

Buisness	Slip #	Date	
			-
			7#





Marina: SWY(Inspector P. Bartow		Marina Co	ontact:		Date/Time: 12/26 - 1415	
Facility Check-In						1110	
Marina Manager Present?			Yes	%	Notes		
Marina has current Auth	orized Dive	r List?	796	No N			
Divers currently checked in: (List names/companies in rows below)			Yes	W	Notes		
Company of the Compan	_			Transaction		1000000	
Diver Name: Dive Company		Jany		Authorized	Slips Visited	Stated Purpose	
General Observations				-			
General Marina Activity:	OBusy (>5	50 people)	Moderate (10-50 people)		Quiet (0-10 people)		
Topside boat maintenance activities:	OBusy (>1	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables		None	()Trash	()Foam	Sewage	
	Vegetation		None	OLimited	ONormal	()Excessive	
	Odors		Y	W	Notes (Slip#)	The second secon	
	Illicit Disch	narge	Y	NK	1		
Weather: Sunny	©Partly Cloudy	Overcast	Rain last 72hrs:	₩ N	Actual Rainfa	ll: 1.5 in.	
Vessels Identified with I	Non-Copper	Paint					
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N	
		,					



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
\					
1	10116				

Buisness	Slip#	Date	
	100000		



Marina:	Inspector P. R. Claw	Marina Co	Sec.	-0	Date/Time:
Alma Kai	120x1 10M		Fishit	1	12/21-0100
Facility Check-In Marina Manager Present	13	162	No	Notes	
iviarina ivianager Preseni	ır	Mes	NO	Notes	
Marina has current Auth	orized Diver List?	Yes	No	Notes	
Di	(650)	U- v	*1-		
Divers currently checked (List names/companies i		Yes	No	Notes	- F 3624
Diver Name:		-10	Authorized	Slips Visited	0 0900
Diver Name:	Dive Company		Authorized	Slips visited	Stated Purpose
			1		
			-		
General Observations	0	10		I 600 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
General Marina Activity:	OBusy (>50 people)	people)	ate (10-50	Quiet (0-10	people)
Topside boat	OBusy (>10 boats)	€ Moder	ate (4-10	Quiet (0-3 b	ooats)
maintenance activities:	THE RESERVE OF THE CONTROL OF THE	boats)	market at the		
Water Quality:	Floatables	ONone	○Trash	S Foam	OSewage
	Vegetation	@None	OLimited	ONormal	○Excessive
	Odors	X	N	Notes (Slip#);	6-25) Shell of gres
	Illicit Discharge	X	N	(ender .
Weather: Sunny	Partly Overcast	Rain last 72hrs:	X N	Actual Rainfal	l: 1.5 in.
Vessels Identified	Nan Carran Palat				
Vessels Identified with N Vessel Name	Owner Owner		Slip#	Paint	Info Verified? Y/N
	5				*
7			1		



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
1	arl				
1	4				

Slip#	Date		
		_	
		2	
	Slip #	Slip # Date	Slip # Date



Marina:	Inspector	Ration	Marina Co	ontact:		Date/Time: 12/27 - 1015
Facility Check-In						
Marina Manager Present	?		YOU	No	Notes	
Marina has current Auth	orized Dive	r List?	Yes	No	Notes	
Divers currently checked (List names/companies in		w)	Yes	No	Notes	
Diver Name:	Dive Comp		4	Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity:	OBusy (>5	60 people)		ate (10-50	Quiet (0-10	people)
Topside boat maintenance activities:	⊝Busy (>1	(0 boats)	people) Modera boats)	ate (4-10	Quiet (0-3	boats)
Water Quality:	Floatables		None	()Trash	()Foam	Sewage
	Vegetation	1	None	OLimited	ONormal	()Excessive
	Odors		γ	N	Notes (Slip#):	
	Illicit Disch	arge	Υ	N-	reserve to the to	
Weather: Sunny	Cloudy	Overcast	Rain last 72hrs:	Ø N	Actual Rainfa	11: 1.5 in.
Vessels Identified with N	Non-Copper	Paint		wiewe w		
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver		Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	1					
	N	she				

Buisness	Slip #	Date	
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Marina: Bry Club	Inspector	Sorton	Marina Co	ontact:		Date/Time: 12/27 1095
Facility Check-In	- VA		35			
Marina Manager Presen	t?		Yes	No	Notes	
Marina has current Auth	orized Dive	r List?	Yesy	No	Notes	
Divers currently checked	l in:		Yes	No	Notes	
(List names/companies i		w)		4		
Diver Name:	Dive Comp	oany		Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity:	OBusy (>5	50 people)	-	ate (10-50	Quiet (0-10	D people)
			people)			
Topside boat	OBusy (>:	(0 boats)	OModera	ate (4-10	Quiet (0-3	boats)
maintenance activities:	e1		boats)	10-	0.5	10.
Water Quality:	Floatables		None	OTrash	○Foam	Sewage
	Vegetation	1	None	OLimited	ONormal	○Excessive
	Odors		Y	N.	Notes (Slip#)	
Weather: Sunny	Illicit Disch Partly Cloudy	Overcast	Rain last 72hrs:	N N	Actual Rainfa	il: ~1,5 in.
Vessels Identified with I	Non-Copper	Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	c	ompany	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	.\	0				
	110					

Buisness	Slip#	Date		
	7,00%			
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			o	





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Hull Cleaning Pause Inspection Form

Date/Time:

SuyC	Y	Barlow				12/27 (130)
Facility Check-In					000	
Marina Manager Present	t?		Yes	n/a	Notes	
Marina has current Auth	orized Dive	r List?	Yes	No	Notes	
Divers currently checked	in:	0.	Yes	No.	Notes	- D 2003-200
(List names/companies i	n rows belo	ow)	1 - 00		None	N 1130
Diver Name:	Dive Comp	oany		Authorized	Slips Visited	Stated Purpose
General Observations						
General Marina Activity:	OBusy (>!	50 people)	Moder people)	ate (10-50	Quiet (0-10	people)
Topside boat maintenance activities:	⊝Busy (>:	10 boats)	()Moder	ate (4-10	Quiet (0-3	boats)
Water Quality:	Floatables		None	OTrash	○Foam	Sewage
	Vegetation	n	None	OLimited	ONormal	()Excessive
	Odors		Y	N	Notes (Slip#):	
	Illicit Disch	narge	Y	N		
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	» N	Actual Rainfa	II: Virently Fairing in
Vessels Identified with I	Non-Coppe	Paint				, ,
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N

Marina Contact:



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N	
Vctor Pallares	OM;	04	1/05	NO Zay/Metals	N	N

Buisness	Slip #	Date		
			**	
			_	



Marina: 12dd Coast	Inspector	Berlow	Marina Contact: Date/Time:		Date/Time: 12/29 - 0830	
Facility Check-In						
Marina Manager Present	t?		Yes	NAC	Notes	
Marina has current Auth	orized Dive	r List?	Yes	No	Notes	1/A difficus close
Divers currently checked	in:		Yes	No	Notes	
(List names/companies i		w)	200	(1) The	0.000	
Diver Name:	Dive Comp	oany		Authorized	Slips Visited	Stated Purpose
General Observations						
General Marina Activity:	○Busy (>	60 people)	(Modera people)	ate (10-50	Quiet (0-10	people)
Topside boat maintenance activities:	OBusy (>:	10 boats)	(Modera	ate (4-10	Quiet (0-3	boats)
Water Quality:	Floatables	8	None	OTrash	○Foam	Sewage
	Vegetation	1	⊗ None	OLimited	Normal	()Excessive
	Odors		Υ	N	Notes (Slip#):	
	Illicit Disch	arge	Υ	MS		
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	N X	Actual Rainfa	ll: ^ 2 in.
Vessels Identified with N	Von-Coppe					
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	1/2/2				
	1,0				17.5

	Date	Slip #	Buisness



Marina: Half Moon	Inspector:		Marina Contact:			Date/Time: 12/28 - 09 15	
Facility Check-In		, , , , , , , , , , , , , , , , , , , ,	00000				
Marina Manager Presen	t?		YES	No	Notes		
Marina has current Authorized Diver List?			yes	No	Notes		
Divers currently checked	d in:		Yes	No	Notes		
(List names/companies i		w)	1000		0730000		
Diver Name: Dive Company			Authorized	Slips Visited	Stated Purpose		
General Observations General Marina Activity: Topside boat maintenance activities: Water Quality:	OBusy (>		()Modera people) ()Modera boats) ()None	ate (10-50 ate (4-10 OTrash OLimited	OQuiet (0-10	boats)	
	Vegetation Odors		Y	N	ONormal Notes (Slip#):	OExcessive .	
	Illicit Discharge		Y	N<	1		
Weather: OSunny	Partly Overcast		Rain last 72hrs:	N	Actual Rainfall:		
Vessels Identified with	Non-Coppe				9.0 = - ALCOD		
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N	
					V		



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	\ 0				
	Boyce				

Buisness	Slip #	Date	
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SI Maring	Inspector	Berlow	IMarina Co	ontact:		12/28 - 1030
Facility Check-In						11-12-
Marina Manager Present?		Yes	No	Notes		
Marina has current Authorized Diver List?		Yes	No	Notes		
Divers currently checked in:		Yes	No	Notes		
Diver Name:	ist names/companies in rows below) iver Name: Dive Company		· ·	Authorized	Slips Visited	Stated Purpose
Fabricio	Drty	Bithms		NO central	112	Metal Pats
General Observations General Marina Activity:	OBusy (>5	60 people)	OModera	ate (10-50	O Quiet (0-10	D people)
Topside boat maintenance activities:	OBusy (>10 boats)		OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	()Trash	()Foam	Sewage
	Vegetation Odors		None	Climited	ONormal	()Excessive
			Y	DK.	Notes (Slip#):	:
	Illicit Discharge		Y	DK.	1	
Weather: Sunny	OPartly Overcast Cloudy		Rain last 72hrs:	₩ N	Actual Rainfa	ll: 12 in.
Vessels Identified with N	Non-Copper	Paint				
Vessel Name		Owner		Slip#	Paint Info Verified? Y/N	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Fabricio	Drty Bottons	Yes	No	NO MOHI PORS	No

Buisness	Slip #	Date	







Marina: Kona Ka	Inspector:	Barlow	Marina C	ontact:		Date/Time: 12/29 - 1100
Facility Check-In						1130
Marina Manager Presen	t?		Yes	No	Notes	
Marina has current Authorized Diver List?		Xex.	No	Notes		
Divers currently checked	l in:		Yes	No	Notes	
(List names/companies i	n rows belo	w)		0.00	1000000	
Diver Name:	Dive Comp	pany	3/	Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity:	⊝Busy (>5	50 people)	(Modern people)	ate (10-50	Quiet (0-10) people)
Topside boat maintenance activities:	OBusy (>)	10 boats)	Moderate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	OTrash	OFoam	Sewage
	Vegetation	-	None	Climited	Normal	()Excessive
	Odors		Y	8	Notes (Slip#):	
	Illicit Disch	arge	Y	Nº.	Troces (Silpin).	
Weather: Sunny	OPartly Cloudy	Øvercast	Rain last 72hrs:	N A	Actual Rainfa	il: ~2 in.
Vessels Identified with N	Non-Copper	Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
		-			

Buisness	Slip #	Date	
		-	
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Marina:	Inspectors	rlow	Marina Co	ntact:	1600	Date/Time:
Facility Charle to	1-4	71 100~		5. 10	130/1	12/28 - 1195
Facility Check-In Marina Manager Present	t?		Yes	No	Notes	110,000
	200		-	COLORS	000-000-00	
Marina for current Auth	orized Dive	r List?	Yes	No	Notes	
Divers currently checked		200	Yes	No	Notes	
(List names/companies i						
Diver Name:	Dive Comp	any		Authorized	Slips Visited	Stated Purpose
Skylar	Exe	whire Ym	ht braf		D-46	Zincs
Dive Root	lpilce	whire Yu			E-100	
General Observations General Marina Activity:	⊝Busy (>5	50 people)	Modera	te (10-50	Quiet (0-10) people)
			people)			
Topside boat maintenance activities:	OBusy (>	LO boats)	Moderate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	()Trash	○Foam	Sewage
water equality.	Vegetation		None	Climited	Normal	©Excessive
	Odors		Y	~	Notes (Slip#):	
	Illicit Disch	arge	Y	M.	ivotes (supu).	
Weather: Sunny	Partly	Overcast	Rain last 72hrs:	X N	Actual Rainfa	II: in.
Vessels Identified with I Vessel Name	Non-Coppe	Owner		Slip#	Paint	Info Verified? Y/N
E-584	5-0K	Stourt	Cemon	154	Yes	
C-62						
E-101(Blink!	Steve	Howel)	E-101	Yes	
1						



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
OSW Robaco	· OMni		Y	Yes	No
		+			
		-			

Buisness	Slip#	Date	V ====
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			>
		3.4	1911





Marina: La Playa	Inspector:	belle	Marina Co	Contact:		Date/Time:
Facility Check-In	Pyrino		1 110	2115		112/29 11000
Marina Manager Present	+2		Yes	(No)	Notes	
Warma Wanager Fresen	ы		163	(NO)	Notes	
Marina has current Authorized Diver List?			Yes	No	Notes	
Divers currently checked	in:		Yes	No	Notes Vice	ved dock from
(List names/companies i		w)	1			no activity
Diver Name:	Dive Comp	bany		Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity:	OBusy (>!	50 people)		ate (10-50	Quiet (0-10	people)
Tarable Bases	00 /	1011	people)		Pionist (0.3 hants)	
Topside boat	OBusy (>)	IO boats)	OModerate (4-10		Quiet (0-3 boats)	
maintenance activities:	Floatables		boats) None	()Trash	()Foam	1000
Water Quality:	Vegetation		None	Climited		OSewage OExcessive
	Odors		Vivone	N)		
	Illicit Disch	2500	Y	(N)	Notes (Slip#):	
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	(A) (B)	Actual Rainfa	ll: 0.24 in.
Vessels Identified with I	Non-Coppe	Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
none					

Slip #	Date	
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	- 10	
	Slip #	Slip # Date





Marina:	Inspector:		Marina Co	ontact:		Date/Time:
SWYC	Annab			- Pear	24	12/29 9.000
Facility Check-In					t	
Marina Manager Present	t?		Yes	No	Notes Rep	at Front d
Marina has current Authorized Diver List?		r List?	Yes	No	Notes	
Divers currently checked in: (List names/companies in rows below)			Yes	(No)	Notes No 1	new divers si
Diver Name:	Dive Comp	pany		Authorized	Slips Visited	Stated Purpose
General Observations						
General Marina Activity:	OBusy (>5	50 people)	OModerate (10-50 people)		SQuiet (0-10 people)	
Topside boat maintenance activities:	⊝Busy (>:	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		⊗None	OTrash	○Foam	OSewage
	Vegetation	n	⊗None	OLimited	ONormal	○Excessive
	Odors		Υ	M)	Notes (Slip#):	
	Illicit Disch	narge	Υ	M.	War experience	
Weather: Sunny	OPartly Cloudy	⊗Overcast	Rain last 72hrs:	Ý N	Actual Rainfal	1: 0,24 i
Vessels Identified with I	Non-Coppe	r Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N

Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
none					
_					

Buisness	Slip#	Date		Name
Omni	D-51	12/28	Reason Hull cleaning	Sourston
Omni	D-47	12/27	Hull cleaning	Hangh
Omni	D-25	12/28	Hull cleaning	walnus
Omni	D-20	12/26	Hull cleaning	
Omni	C-34	12/28	that cleaning	Hunter 376
Omni	C-5	12/27	Hul cleaning	Seaveth
Omni	C-8	12/27	thull cleaning ,	Anne
Omn.	B-15	12/28	Hull cleaning Teg	ail a Sheila
Owni	A-10	12/28		1585 61





Marina: SDYC	Inspector: Annabelle		Marina Contact:			Date/Time: 12/29 10:30
Facility Check-In	1,11,11,100		>			
	Marina Manager Present?		Yes	No	Notes	
Marina has current Auth	orized Dive	r List? (Yes	No	Notes	
Divers currently checked	in:		Yes	(No	Notes	
(List names/companies i	n rows belo	ow)			10000	
Diver Name:	Dive Comp	pany	5/4	Authorized	Slips Visited	Stated Purpose
General Observations						
General Marina Activity:	OBusy (>	50 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>:	10 boats)	OModerate (4-10 boats)		Quiet (0-3 l	boats)
Water Quality:	Floatables		None	OTrash	○Foam	○Sewage
	Vegetatio	n	⊗None	OLimited	ONormal	OExcessive .
	Odors		Υ	(N)	Notes (Slip#):	
	Illicit Disch	narge	Y (N)			
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y) N	Actual Rainfal	ll: 0-24 in.
Vessels Identified with I	Non-Coppe	r Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
none					

Buisness	Slip#	Date	name / CF#
Omni	F-28	12/23	CF# 5918 HJ
Omni	F-29	12/23	Due Regard
Omni	F-30	12/23	Trinity
Omn.	F-54	12/23	Patriot
Omni.	F-4	12/28 .	Boss Lady
Omai	E-101	12/28	Blink
Executive Youcht	E-80	12/28	Saga IV (noted)
DMni.	E-23	12/23	
Omni	C-62	12/28	Sanity (on non-
Executive Yacht	C-33	12/28	CF 2431 PT





45

Marina:	Inspectori Bardow		Marina Contact:		schitti	Date/Time:
Konnikai		BRITON		2.11	SCHITTI	12/30-0815
Facility Check-In			10. 4	***	l.	10.000
Marina Manager Present?		APR.	No	Notes		
Marina has current Authorized Diver List? Divers currently checked in:			Yes	No	Notes	
			Yes	No	Notes	
(List names/companies i	n rows belo	w)	197.09		tram	Xesterd Y
Diver Name:	Dive Comp	Dive Company		Authorized	Slips Visited	Stated Purpose
Sustin	April	orce		Yes	K-Dock	C POP POIL
		1	12/29	- 1045		
General Observations	00.		lowe :	140.50	00.1.10	
General Marina Activity:	OBusy (>	50 people)	Moderate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>:	10 boats)	Moderate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	()Trash	OFoam	Sewage
mater againty.	Vegetation		None	OLimited	Normal	OExcessive
	Odors		Y	N	Notes (Slip#):	
	Illicit Disch	arge	Y	N	- Notes (Silpin).	
Weather: Sunny	Partly	Overcast	Rain last 72hrs:	N	Actual Rainfa	11: ~ <u>1</u> in.
Vessels Identified with	Non-Coppe	r Paint				
Vessel Name	0.00	Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Offil Cruz	Dry Bothers		Yes	ND, Znes (Italo)	No

Buisness	Slip#	Date	
			_
			_





Marina:	Inspector		Marina Co	ntact:		Date/Time:
SDYC	P.Karlow		153177.75300762317977327			12/30 - 1000
Facility Check-In			-51			
Marina Manager Present	Marina Manager Present?			No	Notes	
Marina has current Authorized Diver List? Divers currently checked in: (List names/companies in rows below)			Y)46	No	Notes	
			Yes	×	Notes	
Diver Name:	rows below) Dive Company			Authorized	Slips Visited	Stated Purpose
olves Name.	Dive com	pany		Authorized	ishps visited	Stated Purpose
General Observations			I a		183	
General Marina Activity:	OBusy (>	50 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>	10 boats)	OModerate (4-10 boats)		ØQuiet (0-3 boats)	
Water Quality:	Floatables		None	OTrash	○Foam	Sewage
	Vegetatio	n	None	OLimited	ONormal	()Excessive
	Odors		γ	M	Notes (Slip#):	
	Illicit Discl	narge	Υ	N		
Weather: OSunny	OPartly Cloudy	Overcast	Rain last 72hrs:	X N	Actual Rainfa	II: CurterHy in
Vessels Identified with !	Non-Coppe	r Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
p	one				

Buisness	Slip #	Date	
		_	





Marina: SW/C	Inspector: PB-06W		Marina Contact:			Date/Time: 12/30 - 12/30
Facility Check-In						
Marina Manager Present?			Yes 1940		Notes	
Marina has current Auth	orized Dive	r List?	Yes.	No	Notes	
Divers currently checked in: (List names/companies in rows below)			Yes	196	Notes	
Diver Name:	Dive Comp		N/C	Authorized	Slips Visited	Stated Purpose
General Observations						74.0
General Marina Activity:	OBusy (>50 people)		Moderate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>	10 boats)	Moderate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		Ø None	()Trash	Foam	Sewage
*	Vegetatio	n	None	Q Limited	ONormal	()Excessive
	Odors		Y	N-	Jan -	
	Illicit Disch	narge	Y	W.		
Weather: Sunny	Partly	Overcast	Rain last 72hrs:	× N		
Vessels Identified with I	Non-Coppe	r Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N
						4



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	Mare				

9 0	10.000000000000000000000000000000000000	
A-90	12/30	Black Fin "Dive"
A-25	12/30	Dive
A-12_	12/30	a ')
C-34	12/28	Marked Hall Cleaning Sot Sea
		Mes with Mane Grant
	A-25 A-12	A-25 12/30 A12 12/30





Marina:) helfer 51 Mosir	Inspector:	Tait	Marina Co			Date/Time: 12/30/21 10:0
Facility Check-In	The ICa	. 0.17	Nanc	4		110/20/21 10.1
Marina Manager Presen	t?		@	No	Notes	
Marina has current Authorized Diver List? Divers currently checked in: List names/companies in rows below)			(Veg	No	Notes	
		ow)	Yes	(No)	Notes omni ta	gs observed (took
Diver Name:	Dive Com	pany	di-	Authorized	Slips Visited	Stated Purpose
General Observations				2	20/	*
General Marina Activity	: OBusy (>	50 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	⊝Busy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables	5	None	○Trash	○Foam	○Sewage
	Vegetatio	n	None	OLimited	○Normal	OExcessive .
	Odors		Υ	(N)	Notes (Slip#):	
	Illicit Disc		Υ	N		
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	(A) N	Actual Rainfa	
Vessels Identified with	Non-Coppe					
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
_				
	Company	MODELLA CONTRACTOR OF THE STREET OF THE STRE		In? Y/N what is reason for

Receipt Tags observed on slips

Buisness	Slip#	Date	
Omai	104	12/29	hall Isolah dirty die
Dirty Bottoms	112	12/28	" "
Omni	707	12/29	U
6mni	325	12/29	1,1
Omn;	312	12/29	41
Dirty Bottons	15	12/28	N
Omni	400	12/29	a)
Omi;	418	12/21	4.
DICTY BATTONS	428	12/20	al.

Dirty Domons 437 12/801
Stal Domons 437 12/801





Marina:	Inspector:		Marina Co	ontact:	2.1	Date/Time:
Strenge YL	K.Ta	It.	7.1	- Front	Desc	12/30/21 llar
Facility Check-In			v			2. 2.
Marina Manager Present?		Yes No		Notes		
Marina has current Auth	Marina has current Authorized Diver List?			No	Notes	
Divers currently checked in: (List names/companies in rows below)			Yes	No	Notes	
Diver Name:	Dive Com			Tauthorized	Slips Visited	Shahad Dunnan
Diver Name.	Dive com	parry		Authorized	ishps visited	Stated Purpose
General Observations			Ja			
General Marina Activity:	OBusy (>	50 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		@None	OTrash	○Foam	OSewage
	Vegetatio	n	ONone	Climited	Normal	(Excessive
	Odors		Y	IN	Notes (Slip#):	
	Illicit Disch	harge	Y	8	1	
Weather: OSunny	OPartly Cloudy	POvercast	Rain last 72hrs:	(D) N	Actual Rainfall:	
Vessels Identified with I	Non-Coppe	r Paint) (c. in.
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
			-		

Slip#	Date	
PA	12/23	zinc replacement only



Bay Club	Inspector:	ut	Shelley Grit		10	12/30/21 1130
Facility Check-In	1 4.70		4	4 0.00		11750
Marina Manager Presen	t?		Yes	No	Notes	
Marina has current Authorized Diver List?		Ve)	No	Notes		
Divers currently checked (List names/companies i			(Yes	No	Notes ch	dung in as I lo
Diver Name:	Dive Comp			Authorized	Slips Visited	Stated Purpose
Jesus Mendeld	Expl	orel		Y		zincs only
General Observations						
General Marina Activity:	OBusy (>5	50 people)	Moderate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>1	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	OTrash	○Foam	Sewage
	Vegetation		ONone	OLimited	ONormal	()Excessive
	Odors		Υ (N)	Notes (Slip#):	
	Illicit Disch	narge	Y	N)	1	
Weather: Sunny	OPartly Cloudy	Overcast	Rain last N 72hrs:		Actual Rainfall:	
Vessels Identified with I	Non-Coppe	r Paint				
Vessel Name	- 200	Owner		Slip#	Paint	Info Verified? Y/N



Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	Company			In? Y/N what is reason for

Buisness	Slip #	Date	
		100000	
		_	





Marina:	Inspector	Berlow	Marina Co	ontact:		Date/Time:
tobal Coast		Barlow				12/31 - 0815
Facility Check-In			10			
Marina Manager Present	?		Yes	Ne	Notes	
Marina has current Authorized Diver List?		Yes	No	Notes N/	+ office closed	
Divers currently checked in: (List names/companies in rows below)			Yes	No	Notes	
Diver Name:	Dive Comp	-	_	Authorized	Slips Visited	Stated Purpose
General Observations				Ø		de la
General Marina Activity:	OBusy (>	50 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		⊗ None	()Trash	OFoam	Sewage
	Vegetatio	n	ONone	Limited	ONormal	(Excessive
	Odors		Υ	MK	Notes (Slip#):	
	Illicit Disch	narge	Y	N-		
Weather: Sunny	Partly	Overcast	Rain last 72hrs:	N N	Actual Rainfa	11: ~ . 3 in
Vessels Identified with N	ion-Coppe	r Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N
				-		



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
1	tone				

Buisness	Slip #	Date		
			4	



Marina:	Inspector	ReHow	Marina Co	S Johnson		Date/Time:
Facility Shall be	1	Dellow	-	3. DADO	1	12/31 - 0930
Facility Check-In			Mr.	41-	later -	
Marina Manager Present	14.		1,00	No	Notes	
Marina has current Author	orized Dive	r List?	Yès	No	Notes	
Divers currently checked (List names/companies in		ud.	Yes	No	Notes	
Diver Name:	Dive Comp			Authorized	Slips Visited	Stated Purpose
Diver Name.	Dive Comp	iany		Authorized	Slips visited	Stateu Purpose
Rafnel Verdyo	OM	n.		1/05	CA-F-6-H	Metys
Alonso Vages	OM	vr.		1/25	CAFUH	MEHIS
Dave	H	Wast		yes	E-100	ERXY Llem
TOM	01	negr		Yes	F-76	Mon-coper ILII Clen
General Observations General Marina Activity:	⊗ Busy (>5	60 people)	OModer	ate (10-50	Quiet (0-10	people)
			people)			
Topside boat	Busy (>1	(0 boats)	OModerate (4-10		Quiet (0-3 boats)	
maintenance activities:			boats)	Ton .	280	10-
Water Quality:	Floatables		ONone	()Trash	o Foam	○Sewage
	Vegetation	1	ONone	OLimited	ONormal	⊕ Excessive
	Odors		Υ	N	Notes (Slip#):	
	Illicit Disch		Y	No		
Weather: Sunny	Partly Cloudy	Overcast	Rain last 72hrs:	97 N	Actual Rainfall:	1.3 in
Vessels Identified with N	Non-Copper	Paint				
Vessel Name		Owner		Slip#	Paint Ir	nfo Verified? Y/N
Sweet KN	en			F-76	Yes	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
TOM	OMega	Yes	Yes	yes egod an-agras	No
RATINE	OMega OMni	Yes	Xes	10, H29 F-76	
Alonso	OMN	Yes	Xes	No	

Buisness	Slip#	Date	5	
	- 1			
	_			
	-		-	
	_			



Marina: SW) (Inspector Brow		Marina Contact:			Date/Time:
Facility Check-In			77-	1100		
Marina Manager Present?		Yes	No	Notes		
Marina has current Auth	orized Dive	r List?	YES	No	Notes	
Divers currently checked	in:		Yes	No	Notes	
(List names/companies i		w)		V		
Diver Name:	The state of the s			Authorized	Slips Visited	Stated Purpose
General Observations			#			
General Marina Activity:	OBusy (>	50 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	⊝Busy (>:	10 boats)	OModerate (4-10 boats)		⊕quiet (0-3	boats)
Water Quality:	Floatables	N	None	()Trash	()Foam	Sewage
	Vegetation		None	Climited	Normal	()Excessive
	Odors		Y	NA	Notes (Slip#):	
	Illicit Disch	arge	Y	R	1	
Weather: Sunny		Overcast	Rain last 72hrs:	N N	Actual Rainfall:	
Vessels Identified with I	Non-Coppe	Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver		Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
				-		
	Do	nl				

Buisness	Slip #	Date	
		*	



Marina: SW/C	Inspector	garlow	Marina Co	ontact:		Date/Time: 1/2 - 0930
Facility Check-In	1.0		-201			
Marina Manager Present?		Yes	Ng	Notes		
Marina has current Auth	orized Dive	r List?	Yest	No	Notes	
Divers currently checked in: (List names/companies in rows below)		nul.	Yes	-Mg	Notes	
Diver Name:	Dive Company		-	Authorized	Slips Visited	Stated Purpose
General Observations				*		
General Marina Activity:	OBusy (>	50 people)	OModerate (10-50 , people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>	10 boats)	OModerate (4-10 boats)		ØQuiet (0-3 boats)	
Water Quality:	Floatables	Š.	None	○Trash	○Foam	Sewage
	Vegetatio	n	None	OLimited	○Normal	○Excessive
	Odors		Υ	90	Notes (Slip#)	
	Illicit Disch	narge	Y	N		
Weather: Sunny	OPartly Cloudy	Overcast	Rain last Y 72hrs:		Actual Rainfall:	
Vessels Identified with I	Non-Coppe	r Paint				in
Vessel Name	топ сорра	Owner		Slip#	Paint	Info Verified? Y/N



Diver		Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	70					
	No	ne				
-						

Buisness	Slip#	Date	*



Marina: Kona Kai	Inspector: Brow		Marina Contact:		4;	Date/Time: 1/2 - 0945
Facility Check-In					-	
Marina Manager Present?		Yes No		Notes		
Marina has current Authorized Diver List?		Yes	No	Notes		
Divers currently checked in:			Yes	No	Notes	
(List names/companies in rows below) Diver Name: Dive Company			Authorized	Slips Visited	Stated Purpose	
General Observations General Marina Activity:	○Busy (>!	50 people)	OModer	ate (10-50	Quiet (0-1	O people)
			people)			
Topside boat maintenance activities:	OBusy (>:	10 boats)	○Moderate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables	10	ONone	()Trash	Foam	Sewage
	Vegetation		None	Climited	Normal	()Excessive
	Odors		Y	N	Notes (Slip#)	
	Illicit Disch	narge	Y	N	1	
Weather: OSunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y N	Actual Rainfall:	
Vessels identified with !	Non-Coppe	r Paint				in
Vessel Name	топ сорре	Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Buisness	Slip #	Date	
			_
			_





Marina: Boy Club	Inspector: Shona Carey		Marina Contact: Shelley Grillin			Date/Time: Jan 3, 2072/11/16 Any
Facility Check-In	0.0.	0	14.11.18.9	1201-100		Court of Collection Many
Marina Manager Present	?		Yes No		Notes	
Marina has current Auth	orized Dive	r List?	Yes No		Notes	
3050 032 032 030 030 030 030 030	030000000000000000000000000000000000000	100-7000-1			O TOMOSTO	
Divers currently checked			Yes	(No)	Notes	
(List names/companies in	n rows belo	w)				
Diver Name:	e: Dive Company		Authorized		Slips Visited	Stated Purpose
General Observations General Marina Activity: Topside boat	OBusy (>5	i0 people)	people) OModera	ate (10-50 ate (4-10	Quiet (0-10 Quiet (0-3	
maintenance activities:	Clastables		boats)	OTeach	OFoam OSewage	
Water Quality:	Floatables		None None	○Trash ○Limited	Normal	Sewage
	Vegetation Odors		-	100		O Excessive
15	Illicit Discharge		Y	(N)	Notes (Slip#):	
Weather: @Sunny	Partly Overcast		Rain last Y N 72hrs:		Actual Rainfall:	
Vessels Identified with N	Non-Copper	Paint				
Vessel Name		Owner		Slip#	Paint Info Verified? Y/N	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
		9-33-			

Slip #	Date	
	+	
	Slip #	Slip # Date



Marina:	Inspectors Parkw		Marina Contact:			Date/Time: 1/3 - 0940	
Facility Check-In							
Marina Manager Presen	t?		Yes	NIK	Notes		
Marina has current Authorized Diver List? Divers currently checked in: (List names/companies in rows below)			1000		Notes Two diver writing cutside of office		
Hernandez	?				F-0	Metals	
General Observations General Marina Activity:	⊝Busy (>	50 people)	Modera people)	ate (10-50	Quiet (0-10	people)	
Topside boat maintenance activities:	Busy (>10 boats)		OModerate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables		None	○Trash	OFoam	Sewage	
	Vegetation Odors		None	OLimited	ONormal	()Excessive	
			Y	(de)	Notes (Slip#):		
	Illicit Discharge		Y	N	100000000000000000000000000000000000000		
Weather: Sunny	A STATE OF THE PARTY OF THE PAR		Rain last Y N		Actual Rainfall:		
Vessels Identified with I	Non-Coppe	r Paint					
Vessel Name		Owner		Slip#	Paint Info Verified? Y/N		
			,				



Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
OMega		y	No. Par Maintenance	No
Shelter Idad	У	y	No. Znis -20	No
OM	y	y	No (I-25)	No
3				
	OMega Shelte Idad	OMega Shelte Idad y	OMega y Shelfor Itand y y	In? Y/N what is reason for service? OMega Y No. Par Mintenerce Shelter Itand Y Y No. Zors

Slip#	Date		
my C-30	12/22	. Zne only	
H-68	1/3	ZINCS	
H-26	1/3		
	hy C30 H-68	hy C-30 12/22 H-68 1/3	my C-30 12/22 . Znconly H-68 1/3 zns



1	D	Iviarina C	ontact:		Date/Time:
	brow				1/3 - 1130
Marina Manager Present?			No	Notes	
rized Dive	r List?	Yes	No	Notes	
Divers currently checked in:			No	Notes	
And in case of the last of the	and the same of th		1		
Dive Comp	pany		Authorized	Slips Visited	Stated Purpose
		people)		Carlo Santa Carlo	talian and a second
Busy (>)	10 boats)	A CONTRACTOR OF THE PROPERTY O		(Sequiet (0-3 boats)	
Floatables		None	OTrash	○Foam	Sewage
Vegetation	1	None	OLimited	ONormal	Excessive
Odors		Υ	N	Notes (Slip#):	
Illicit Disch	arge	Y	N		
OPartly Cloudy	Overcast	Rain last Y		Actual Rainfall:	
					in
on-Copper	Owner		Slip#	Paint	Info Verified? Y/N
Marthe Blue			1215	Currently	looking into Wal
	OBusy (>5 OBusy	n: rows below) Dive Company Busy (>50 people) Busy (>10 boats) Floatables Vegetation Odors Illicit Discharge Partly Overcast Cloudy on-Copper Paint Owner	n: Yes rows below) Dive Company Busy (>50 people)	rized Diver List? No n: rows below) Dive Company Authorized Busy (>50 people) Busy (>10 boats) Floatables Vegetation Odors Odors	rized Diver List? No Notes The Notes Note



Diver		Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	1/21	e				
	140					

Buisness	Slip #	Date		
	- 79			
	_	_	_	
*				



Marina:	Inspector	Snow	Marina Co	ontact:		Date/Time:
Facility Check-In	1-4	3. 0-4				11/3 - 1200
Marina Manager Present	1?		Yes	Mark	Notes	
Marina has current Auth	orized Dive	r List?	Yes	No	Notes	
Divers currently checked in:		Yes	No	Notes		
(List names/companies is	n rows belo	ow)				
Diver Name:	Dive Comp	pany		Authorized	Slips Visited	Stated Purpose
General Observations						
General Marina Activity:	⊝Busy (>	50 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	⊝Busy (>:	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	()Trash	OFoam	Sewage
	Vegetation		None	OLimited	Normal	()Excessive
	Odors		Y	N	Notes (Slip#):	
1955	Illicit Disch	narge	Y	N-		
Weather: Sunny	OPartly Cloudy	Overcast	Rain last Y 7		Actual Rainfall:	
Vessels Identified with N	Non-Coppe	r Paint				
Vessel Name		Owner		Slip#	Paint Info Verified? Y/N	
Miss localie				C51	Yes	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
,	12				
\	M.				

Buisness	Slip #	Date	
AGUATIVS	C51	12/30	Non-Coffee



IWHC Observation Form

spector: Shano Carey	Marina Contact:	Date/Time: 1MM
Partly Overcast	THE PERSON NAMED IN COLUMN TWO	ctual Rainfall:
)	Partly Overcast	Partly Overcast Rain last Y N A

Checked in with Marina Manager?		Yes No	Notes	
Marina has current	Authorized Diver List?	Yes No	Notes	
Divers currently ch (List names/compa	ecked in: nies in rows below)	Yes No	Notes	
Diver Name:	Dive Company	No series	Authorized	75.
				-

General Observations

General Marina Activity:	Busy (>50 people)	e) OModerate (10-50 people)		Quiet (0-10 people)		
Topside boat maintenance activities:	OBusy (>10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables	None	○Trash	○Foam	Sheen	
	Vegetation	None	OLimited	ONormal	()Excessive	

The sound of something in the sound in the s





Marina:	Inspector		Marina Co	intact:		Date/Time:
Kona Kai	1.5	xolow		J. Fisch	etti	1/4 - 0830
Facility Check-In			- 44			
Marina Manager Present?		Yes	No	Notes		
Marina has current Auth	orized Diver	List?	VES/	No	Notes	
Divers currently checked in: (List names/companies in rows below)			Yes	Not	Notes	
Diver Name:	with the last of t	-		Authorized	Slips Visited	Stated Purpose
Diver Name.	Dive compa	Dive Company		Authorized	Slips visited	Stated Purpose
General Observations			Sec 1			
General Marina Activity:	OBusy (>50) people)	Moderate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	⊝Busy (>10) boats)	Moderate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		ONone	OTrash	⊘ Foam	OSewage
	Vegetation		None	OLimited	Normal	(Excessive
	Odors		Υ	NK.	Notes (Slip#):	1
	Illicit Discha	irge	Υ	Spr.	Control of the	
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y IN	Actual Rainfall:	
Vessels Identified with I		Paint				
Vessel Name		Owner		Slip#	Paint Info Verified? Y/N	
vessei Name		Owner		зири	ram	and verneur 1714



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
N	pue				

Buisness	Slip#	Date	
Shelter Island Dining	H-26	1/3	Metal cleaning
ic 11	H-68	1/3	
	-	-	



Hull Cleaning Pause Inspection Form

Marina:	Inspector:	ctor: Marina Contact:			Date/Time:
Facility Check-In					17.
Marina Manager Present?		KE	No	Notes	
Marina has current Auti	norized Diver List?	Y65	No	Notes	
Divers currently checke	d in:	Yes	Yes No		
(List names/companies	in rows below)				
Diver Name:	Dive Company		Authorized	Slips Visited	Stated Purpose
Rafael Verdri	OMi		y	EFU	Dive
Rafrel Verby	OMni OMni		У	EFLO	Dive
General Observations General Marina Activity	: OBusy (>50 peop		rate (10-50	Quiet (0-10	0 people)
		people)			400-24
Topside boat maintenance activities:	OBusy (>10 boats	boats)	Moderate (4-10		boats)
Water Quality:	Floatables	None	()Trash	()Foam	Sewage
Tracer Quantif.	Vegetation	None	Climited	Normal	()Excessive
	Odors	Y	05	Notes (Slip#)	
	Illicit Discharge	Y	W.	1	
Weather: Sunny		rcast Rain last 72hrs:		Actual Rainfa	ill: in
Vessels Identified with	Non-Copper Paint				•
Vessel Name	Owne	r	Slip#	Paint	Info Verified? Y/N
		ŧ.,			
S					



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
A-1	JiMW L122-59	won No Yes	Yes	Ab, Zincs	NO

Buisness	Slip #	Date	



Marina: Shelter Island	Inspector P. Brlow		Marina Co	ontact: J. Ravido	^	Date/Time: 1/4 - 0736	
Facility Check-In			5.00 pc/ 0			- 1500	
Marina Manager Present	?		Yed	No	Notes		
Marina has current Authorized Diver List?			Yes	No	Notes		
Divers currently checked in:		Yes	US	Notes			
	s/companies in rows below)						
Diver Name:	Dive Company			Authorized	Slips Visited	Stated Purpose	
Anthony Edwer	Agen	nus		У		Zncs, thru holes	
General Observations General Marina Activity:	OBusy (>	50 people)		ate (10-50	Quiet (0-10) people)	
Topside boat	⊝Busy (>	10 boats)	people) Moderate (4-10		Quiet (0-3 boats)		
maintenance activities:	Details of the second		boats)			W. 1975	
Water Quality:	Floatables	8/	@None	OTrash	○Foam	OSewage	
	Vegetatio	n	None	OLimited	ONormal	(Excessive	
	Odors		Y	100	Notes (Slip#):		
	Illicit Disch	narge	Y	N	1		
Weather: 🕸unny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y	Actual Rainfall:		
Vessels Identified with N	Non-Coppe	r Paint					
Vessel Name	топ сорре	Owner		Slip#	Paint	Info Verified? Y/N	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Anthony E	Aprilus	Y	Y	Ab, Zinus/Haribales	No
***	ARABA MARANA				

Buisness	Slip #	Date		
			C 24 1.	
		_		
		P.		



Marina:	Inspector P. Barlow		Marina Contact:			Date/Time:
Facility Check-In						
Marina Manager Presen	t?	- 4	100	No	Notes	
Marina has current Authorized Diver List?		YOK.	No	Notes		
Divers currently checked in: (List names/companies in rows below)		Yes	14	Notes		
Diver Name:	Dive Company			Authorized	Slips Visited	Stated Purpose
General Observations						
General Marina Activity:	○Busy (>5	50 people)	Moderate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	⊝Busy (>1	10 boats)	Moderate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		@Sone	()Trash	()Foam	Sewage
rrater againty.	Vegetation		None	Climited		()Excessive
	Odors		Y	124	Notes (Slip#)	
	Illicit Disch	narge	Y	16	1,1000 (3,101)	
Weather: Kunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Rain last Y		ill:
Vessels Identified with I	Non-Copper	r Paint				
Vessel Name		Owner		Slip#	Paint	t Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	And				

uisness	Slip #	Date	
		_	
			de la companya della
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Facility Check-In Marina Manager Present		Larlow	Marina Co	ontact:		Date/Time:
		10.0				11
	?		Yes	No-	Notes	
Marina has current Authorized Diver List?		MAK	No	Notes		
Divers currently checked in: (List names/companies in rows below)		Yes No		Notes		
Diver Name: Dive Company			-	Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity:	⊝Busy (>	50 people)	OModera people)	ate (10-50	Quiet (0-10) people)
Topside boat maintenance activities:	OBusy (>:	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
	Floatables		Wone	()Trash	()Foam	OSewage
	Vegetation	1	None	Climited	Normal	()Excessive
	Odors		Y	No-	Notes (Slip#):	The second secon
	Illicit Disch	arge	Y	M	Total (only)	
	Partly	Overcast	Rain last 72hrs:	Y JK	Actual Rainfa	ll:
Weather: OSunny	Cloudy		-			
Weather: OSunny		Paint				



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Buisness	Slip #	Date	
		_	
		_	





Marina: SGYC.	Inspector: Annabelle		Marina Contact: Celeste			Date/Time: 1/5 3:00 pr
	rinna	Delle		HESTE		175 3.000
Facility Check-In Marina Manager Present	-2	- 74	(Yes)	No	Notes	
marina manager Fresen	ur)		res	NO	Notes	
Marina has current Authorized Diver List? (Yes	No	Notes	
Divers currently checked in: (List names/companies in rows below)			Yes	No	Notes	
Diver Name:	Dive Company			Authorized	Slips Visited	Stated Purpose
none						
General Observations						
General Marina Activity:	OBusy (>	50 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	()Trash	○Foam	Sewage
	Vegetatio	n	None	OLimited	ONormal	()Excessive
	Odors		Υ	(N)	Notes (Slip#):	
	Illicit Discl	harge	Υ	(N)		
Weather: ⊗Sunny	OPartly Cloudy	○0vercast	Rain last 72hrs:	Rain last Y (N)		ll: in
Vessels Identified with N	Non-Coppe	r Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
none					
				y	

Buisness	Slip#	Date	





Marina: Bay Club	Inspector: Annabelle		Marina Contact:			Date/Time: 2:35
Facility Check-In	4-11/2/10/202		0			
Marina Manager Present?			Yes No		Notes	
Marina has current Auth	orized Dive	er List? (Yes	No	Notes	
Divers currently checked	f in:		Yes	(No)	Notes	
(List names/companies i	n rows belo	ow)				
Diver Name:	Dive Company			Authorized	Slips Visited	Stated Purpose
none						
General Observations General Marina Activity:	OBusy (>	50 people)	OModera	ate (10-50	Quiet (0-10	people)
Topside boat	OBusy (>:	10 boats)	OModerate (4-10		Quiet (0-3 boats)	
maintenance activities:		(18)	boats)			
Water Quality:	Floatables		⊗None	○Trash	○Foam	Sewage
	Vegetation	n	⊗None	Climited	Normal	()Excessive
	Odors		Y	(N)	Notes (Slip#):	
	Illicit Disch	narge	Y	(N)	- Control	
Weather: ⊗Sunny	OPartly Cloudy	○Overcast	Rain last 72hrs:			ll: in.
Vessels Identified with I	Non-Conne	r Paint				
Vessel Name	ton copper	Owner	_	Slip#	Paint	Info Verified? Y/N
					-1	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
none					
×					
					_

Buisness	Slip#	Date	



Marina: Sherter Island Manna	Inspector: Annabelle		Marina Co	ontact:		Date/Time: 1/5 2:00 pm
Facility Check-In		-	~			
Marina Manager Present	t?		Yes	No	Notes	
Marina has current Authorized Diver List? (Yes	No	Notes	
Divers currently checked	l in:	(Yes	No	Notes	
(List names/companies i	n rows belo	w)				
Diver Name:	Dive Comp	oany		Authorized	Slips Visited	Stated Purpose
Anthony Echavs	Aquai	nus ya	chot	Yes	GI	Zincs
General Observations						
General Marina Activity:	OBusy (>	50 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>:	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	Trash	○Foam	○Sewage
5400-000VXXXXXXXX	Vegetation	n	⊗None	OLimited	ONormal	()Excessive
	Odors		Υ	(N)	Notes (Slip#):	
	Illicit Disch	narge	Y	(N)	1	
Weather: ∅Şunny	OPartly Cloudy	○Overcast	Rain last 72hrs:	Y (N)	Actual Rainfall:	
Vessels Identified with I	Non-Coppe	r Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
none					

Buisness	Slip #	Date	
		_	



orized Diver Li	Burlow	Yes			11/6 - 0815
		Yes			
orized Diver Li			1,600	Notes	-1245
	ist?	Vipić.	No	Notes	
in:		Yas	Ne	Notes 6	11.
n rows below)		Lisa	No	Notes Secu	nity at Preson
Dive Company			Authorized	Slips Visited	Stated Purpose
Agri	ius		yes		Metal Cleming
					War-coller Hot cla
One	91		yes	F76	
				D-9	
OBusy (>50	people)	Modern people)	ate (10-50	Quiet (0-10	people)
Busy (>10	boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Floatables		None	○Trash	○Foam	Sewage
Vegetation		None	OLimited	ONormal	○Excessive
Odors		Υ	W:	Notes (Slip#):	
Illicit Dischar	ge	Υ	M-		
OPartly Cloudy)Overcast	Rain last 72hrs:	YOU	Actual Rainfal	l:
Non-Copper Pa	aint				
			Slip#	Paint	Info Verified? Y/N
			E-15	? No, but over took over Buli His to den his	
				Buli	His to den hi
	OBusy (>50 Floatables Vegetation Odors Illicit Dischar	OMega OBusy (>50 people) Ploatables Vegetation Odors Illicit Discharge OPartly Overcast	Dive Company Aguarius OMega OBusy (>50 people) Obusy (>10 boats) Floatables Vegetation Odors Illicit Discharge OPartly OPartly Overcast Cloudy One Cloudy One Other Company Overcast Cloudy One Overcast Cloudy One Other Othe	Dive Company Authorized Aprilic S DMega Ves OMega Ves OModerate (10-50 people) Plansy (>10 boats) Floatables Vegetation Odors Odors	Dive Company Authorized Slips Visited Apprils OMega Ves F76 D-9 OBusy (>50 people) Moderate (10-50 Oquiet (0-10 people) Moderate (4-10 Oquiet (0-3 to boats) Floatables Vegetation Odors Vegetation Odors Vegetation OHONE OHONE OPartly Overcast Cloudy Actual Rainfal Cloudy None Slip# Paint



Field Observations of Diver Activity Conducting IWHC? If no, Citation Diver Company Checked-Authorized Y/N Issued? In? what is reason for Y/N service? ANAMY Elmez Agarius Jes No No

Buisness	Slip #	Date	~
STAR Movine	E-32	1/5	HullClaning
	(68)		2
4 //	L-52	15	Partial Cleaning
	Afish	iomb	/
	A-2		
		145 dox 1/5	Porte
	A-26	175	Partal
			110000000000000000000000000000000000000





89

Marina:	Inspector, CBV44		Marina Contact: 5. Fischetti			Date/Time:
Facility Check-In		ATTICO HIS	3			7
Marina Manager Present?			No.	No	Notes	
Marina has current Authorized Diver List?			婚	No	Notes	
Divers currently checked in:			Yes	Ne	Notes	
(List names/companies i Diver Name:	Dive Com			Taxabandan d	Slips Visited	Sec. 18
Diver Name.	Dive com	pany		Authorized	Slips visited	Stated Purpose
General Observations						
General Marina Activity:	OBusy (>	50 people)	Moderate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	Busy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	()Trash	()Foam	OSewage
	Vegetation	n	None	OLimited		()Excessive
	Odors		Υ	N	Notes (Slip#):	
	Illicit Disch	narge	γ	M		
Weather: Sunny	OPartly Cloudy	Overcast	Rain last Y A		Actual Rainfall:	
Vessels Identified with I	Non-Coppe	r Paint				i
Vessel Name		Owner		Slip#	Paint Info Verified? Y/N	
				J. J		



Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
SI Dvin	9	Yes	Nb, Metis F-14	N
			F-4	
			1)-25	
				V
		100000000000000000000000000000000000000	In? Y/N	In? Y/N what is reason for service?

Slip#	Date		
	_		
	_		
	Slip #	Slip # Date	Slip # Date





Marina: SI Masina	Inspector	4.1	Marina C	ontact:		Date/Time:
Facility Check-In	1-6	> pw				11/6 - 1110
	-2		Vini	No	Notes	
Marina Manager Present?		Abe	NO	Notes		
Marina has current Authorized Diver List?		NEX	No	Notes		
Divers currently checked in:			Yes	(Par	Notes	
(List names/companies in	-	- None				
Diver Name:	Dive Comp	any		Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity:	OBusy (>	50 people)	Moder people)	ate (10-50	Quiet (0-10) people)
Topside boat maintenance activities:	OBusy (>	10 boats)	Moderate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	()Trash	○Foam	Sewage
mater against.	Vegetation		None	OLimited	ONormal	(Excessive
	Odors		Y	NX.	Notes (Slip#):	
	Illicit Disch	arge	Y	DK.	Total (Supu).	
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y W	Actual Rainfa	II:
Vassala Idaasifia daasii a		Delet	1			
Vessels Identified with N	ion-coppe	-		lett-#	D-2	Lafe Mariffe AN Miles
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
wal				
101				
	Company	LOWER CONTROL OF THE PROPERTY		In? Y/N what is reason for

Buisness	Slip#	Date	
			1
			10





Marina:	Inspector:	pector: Marina Con		ontact:		Date/Time:
Facility Check-In	W. S.					(1)
Marina Manager Present?		Yes	No	Notes		
Marina has current Authorized Diver List?		Yes	No	Notes		
Divers currently checked	l in:	0.55	Yes	No	Notes	
(List names/companies i	n rows belo	ow)				
Diver Name:	Dive Com	pany		Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity:	OBusy (>	50 people)	OModer	ate (10-50	Quiet (0-10) neonle)
	Courty	- people	people)			
Topside boat maintenance activities:	OBusy (>:	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		ONone	()Trash	○Foam	Sewage
**************************************	Vegetation	n	ONone	OLimited	ONormal	OExcessive .
	Odors		Y	N	Notes (Slip#):	
	Illicit Disch	narge	Y	N		
Weather: Sunny	OPartly Cloudy	Partly Overcast Rain las		Y N		
Massala Idantifi da Jah						in
Vessels Identified with Non-Copper Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N
Ballak		MRH SMH		E34	yes	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Buisness	Slip#	Date	
Market Market Street			
		_	
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Marina: SDYC	Contract of the Contract of th		Marina Co			Date/Time:	
	Shana	Carcy	Stabi	n Johns	ocrt	1/7/2025 10 AM	
Facility Check-In		1	Tvas	Ne	Nesse		
Marina Manager Preser	itr		Yes)	No	Notes		
Marina has current Authorized Diver List?			Yes	No	Notes		
Divers currently checked in: (List names/companies in rows below)			Yes	No	Notes		
Diver Name:	Dive Com	pany		Authorized	Slips Visited	Stated Purpose	
Alonso Voigas	omi	omni		٢	B,C,D,E, F	Metal	
Rophael Verduge Omni		i		7	B,C,O,E, F	Metal Cleaning	
	Aquarius					0	
	Aqua	Aquarius Aqua Force					
General Observations				100	100		
General Marina Activity	: OBusy (>	50 people)	Moderate (10-50 people)		Quiet (0-10 people)		
Topside boat maintenance activities:	OBusy (>	10 boats)	Moderate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables	5	None	OTrash	()Foam	Sewage	
	Vegetatio	n	None	Climited	ONormal	OExcessive .	
	Odors		Υ	N)	Notes (Slip#):	:	
	Illicit Disc	harge	Υ	N	San		
Weather: Sunny	OPartly Cloudy			Rain last Y N 72hrs:		ill:	
Vessels Identified with	Non-Coppe	r Paint					
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N	
Bod Pok		Malt Smith		E34	Yes		



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Alonso Vargas	Omni	4	4	No, metals partial	
Rafael Verdugo	Omni	Y	Y	Normelals partial	
Rafael Verdugo Irving Flores	Aqua Force	Y	7	Yes, approved	

Buisness	Slip #	Date		
	- 1			
			_	
			J.	
		_		
		-		



Inspector:	xclow	Marina Co	ontact:		Date/Time:
					11
Marina Manager Present?		Yes	NA	Notes	
Marina has current Authorized Diver List?			No	Notes	
Divers currently checked in: (List names/companies in rows below)			NOK	Notes	
production of the latest section	With the latest and t	_	Authorized	Sline Visited	Stated Purpose
	****			John Visited	Stated Full pose
: OBusy (>50 people)		OModerate (10-50 people)		Quiet (0-10 people)	
⊝Busy (>	10 boats)	OModerate (4-10 boats)		(Quiet (0-3 boats)	
Floatables		None	OTrash	○Foam	Sewage
Vegetatio	n	ONone	OLimited	ONormal	Excessive
Odors		Υ	W	Notes (Slip#):	
Illicit Discl	harge	Υ	NA-		
OPartly Cloudy	vercast	Rain last 72hrs:	Y X	Actual Rainfall:	
lon-Coppe	r Paint				ir
	Owner		Slip#	Paint Info Verified? Y/N	
	Owner		эпри	Faint	mio vermeur t/N
	OBusy (> Calculate to the company of the calculate to the calcul	P. Backer rorized Diver List? in: rows below) Dive Company OBusy (>50 people) OBusy (>10 boats) Floatables Vegetation Odors Illicit Discharge OPartly Cloudy Ion-Copper Paint	P. Beclow P. Beclow P. Beclow P. Beclow P. Beclow P. Beclow Pes Pes Pes Pes Pes Pes Pes Pe	P. Beckel P. Beckel P. Beckel P. Beckel P. Beckel Perized Diver List? Yes No In: Prows below) Dive Company Authorized Authorized Obverve (10-50 people) Obverve (4-10 people) Obverve (4-10 people) Possy (>10 boats) Floatables Possy (>10 boats) Floatables Possy (>10 people) Odors Possy (>10 people) Odors Possy (>10 people) Possy (>10 people)	P. Section P. Section P. Section P. Section Provided Diver List? Yes No Notes No



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
1	DV6				

Buisness	Slip #	Date	
OMni	F-24, F2	5 1/5	Partial Cleaning



Marina: Kena Kaj	Inspector	Robert	Marina Co	ontact:		Date/Time: 1//7 - 1//5	
Facility Check-In	1,44.	J4 16-0	-			11// 11/5	
Marina Manager Presen	t?		(69Y	No	Notes		
Marina has current Authorized Diver List?			15%	No	Notes		
Divers currently checked (List names/companies i		ow)	Yest	No	Notes	local d	
Diver Name: Dive Cor				Authorized	Slips Visited Stated Purpose		
General Observations							
General Marina Activity:	: OBusy (>50 people)		Moderate (10-50 people)		Quiet (0-10 people)		
Topside boat maintenance activities:	usy (>10 boats)		OModerate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables	Floatables		()Trash	○Foam	Sewage	
Printer Control	Vegetation Odors		None	one Olimited ONormal	340	()Excessive	
			Y	N	Notes (Slip#):		
	Illicit Disch	narge	Y	NP			
Weather: Sunny	The second division in which the second	Overcast			ll: in.		
Vessels Identified with I	Non-Coppe	r Paint					
Vessel Name		Owner		Slip#	Paint Info Verified? Y/N		



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Marcelo	Shelter Isl	and and	y	what is reason for service?	
	O.				

Buisness	Slip #	Date		
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Marina:	Inspector	1. /	Marina Contact:			Date/Time:	
Shotter Dad & Brown					1/7-	230	
Facility Check-In	-2		To the second				
Marina Manager Presen	t/		Yes	MG	Notes		
Marina has current Auth	orized Dive	er List?	Yes	No	Notes		
Divers currently checked in:			Yes	946	Notes		
(List names/companies in rows below)							
Diver Name:	Dive Com	pany		Authorized	Slips Visited	Stated Purp	ose
General Observations General Marina Activity:	OBusy (>	50 people)	Modera people)	ate (10-50	Quiet (0-10	people)	
Topside boat maintenance activities:	⊝Busy (>	10 boats)	Moderate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables		None	()Trash	()Foam	Sewage	
**************************************	Vegetatio	n	None	Climited	ONormal	○ Excessive	
	Odors Illigit Disch	2000	Y	N-	Notes (Slip#):		
Weather: Sunny	Partly Cloudy	Overcast	Rain last 72hrs:	Y DN	Actual Rainfall:		
Vessels Identified with N	Non-Coppe	r Paint					
Vessel Name		Owner		Slip#	Paint Info Verified? Y/N		/N
		4					



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Marcelo	SI Diving	y	y	No	

Buisness	Slip #	Date	
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Marina: Act Moon Melins	Inspector:		Marina Co	ontact:		Date/Time:
Facility Check-In						140
Marina Manager Present?			Yes N		Notes	
Marina has current Authorized Diver List?			Yes	No	Notes	
Divers currently checked in: (List names/companies in rows below)			Yes	200	Notes	
Diver Name:	Dive Com			Authorized	Slips Visited	Stated Purpose
General Observations						
General Marina Activity:	OBusy (>	50 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		Mone	○Trash	○Foam	Sewage
	Vegetatio	n	None	OLimited	ONormal	○Excessive
	Odors		Y	M .	Notes (Slip#):	
	Illicit Disch		Υ	N	7, 52, 60%	
Weather: Sunny	OPartly Cloudy	Overcast	Rain last Y 1/1- 72hrs:		Actual Rainfall:	
Vessels Identified with I	Non-Coppe	r Paint				in
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
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par					

Buisness	Slip #	Date	
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Marina: SI MONA	Inspector: Becken		Marina Contact:			Date/Time: 0930
Facility Check-In	126	STATE OF THE PARTY	0/			
Marina Manager Present?		No No		Notes		
Marina has current Auth	orized Dive	r List?	1)6	No	Notes	
Divers currently checked	in:		Yes	Mo.	Notes	
(List names/companies i		w)	0.742.0	975	Yearna S	
Diver Name:	Dive Comp	pany		Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity: Topside boat maintenance activities: Water Quality:	OBusy (>: OBusy (>: Floatables Vegetation		Modera people) Modera boats)	ate (10-50 ate (4-10 OTrash	Quiet (0-10	38 - 1885
	Odors		Y	X	Notes (Slip#)	
	Illicit Disch	arge	Υ	N-		
Weather: Sunny	OPartly Cloudy	W vercast	Rain last 72hrs:	K W	Actual Rainfa	ill: in
Vessels Identified with I	Non-Coppe					
Vessel Name		Owner		Slip#	Paint	t Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	Sol				
	Hou				
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Buisness	Slip#	Date	
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Marina: Kana Kai	Inspector:		Marina Contact:			Date/Time: 1/8 - 1100
Facility Check-In	a company of the	-	E			
Marina Manager Present?			Yest No I		Notes	
Marina has current Authorized Diver List?		E	No	Notes		
Divers currently checked in: (List names/companies in rows below)		Yes	1 /	Notes		
Diver Name:	Dive Comp	***		Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity:	OBusy (>5	0 people)	Moder	ate (10-50	Quiet (0-1	O people)
Topside boat	OBusy (>1	0 hoats)	people) Moderate (4-10		Quiet (0-3 boats)	
maintenance activities:	Cousy (=1	0 000(3)	boats)		Acceptance	
Water Quality:	Floatables		None	()Trash	()Foam	Sewage
	Vegetation	1	None	Climited	ONormal	()Excessive
	Odors		Y	W.	Notes (Slip#)	
	Illicit Disch	arge	Y	N		
Weather: OSunny	Cloudy	Overcast	Rain last Y 72hrs:		Actual Rainfall:	
Vessels Identified with I	Non-Copper	Paint				in
Vessel Name	топ сорре	Owner		Slip#	Paint	Info Verified? Y/N
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Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
				lv ====================================	

Buisness	Slip#	Date	
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Marina: By Out	Inspector:		Marina Contact:			Date/Time:
Facility Check-In	1		ė.			.,,
Marina Manager Present	t?		Yes	NO	Notes	
Marina has current Auth	orized Dive	r List?	New	No	Notes	
Divers currently checked (List names/companies in		w)	Yes	STA.	Notes	
Diver Name:	Dive Comp	Water Control		Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity:	OBusy (>5	60 people)		ate (10-50	Quiet (0-1	O people)
Topside boat	OBusy (>1	(0 boats)	people) Moderate (4-10		Quiet (0-3 boats)	
maintenance activities:	et		boats)	IOT 1	Or	100
Water Quality:	Floatables		None	OTrash	○Foam	Sewage
	Vegetation	1	None	Climited	ONormal	()Excessive
	Odors		Y	W.	Notes (Slip#):	
Weather: Sunny	Weather: OSunny Cloudy		Rain last 72hrs:	Y	Actual Rainfall:	
Vessels Identified with I	Non-Copper	Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Compan	Checke In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	1/10				
	100		-		

Buisness	Slip#	Date	
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Marina:	Inspector Robbin		Marina Contact:			Date/Time:
Facility Check-In	-	100000000000000000000000000000000000000	-			11/1 000
Marina Manager Present	t?		Yes	No	Notes	
Marina has current Auth	orized Dive	r List?	YS#	No	Notes	
Divers currently checked	in-		Yes	Min	Notes	
(List names/companies i			1163	Mo	Notes	
Diver Name:	Dive Comp	and the same of th		Authorized	Slips Visited	Stated Purpose
	Jive dom,			radionico	ishpo visice	States (d) pose
General Observations						
General Marina Activity:	OBusy (>5	60 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3	boats)
Water Quality:	Floatables		ONone	()Trash	Foam	Sewage
2/10/2014 SERVICE # 0 0	Vegetation	1	ONone	Climited	Normal	()Excessive
	Odors		Υ	N	Notes (Slip#)	:
	Illicit Disch	arge	Y	N		
Weather: OSunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y N	Actual Rainfall:	
Vessels Identified with I	Non-Coppe	Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N
Senty				C-62	Ves	
					3	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
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Buisness	Slip#	Date	
OMri	C-62	1/7	Approved non-coppor clean



Marina:	Inspector:		Marina C	ontact:		Date/Time:
Facility Check-In	10	1-20-				10.0
Marina Manager Present?		Yes No		Notes		
Marina has current Auth	orized Dive	er List?	APR	No	Notes	
Divers currently checked	d in:		Yes	D.	Notes	
(List names/companies i		ow)		20	rotes	
Diver Name:	Dive Company			Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity:	26 02	90_2003	QModera people)	ate (10-50	Quiet (0-10) people)
Topside boat maintenance activities:	OBusy (>:	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	○Trash	○Foam	OSewage
E1004 T-30-X2 X20	Vegetation	n	None	Climited	ONormal	()Excessive
	Odors		γ	Nc.	Notes (Slip#):	
	Illicit Disch	narge	Υ	Ñ	2000000	
Weather: Sunny	OPartly Cloudy	○Overcast	Rain last Y % 72hrs:		Actual Rainfall:	
Vessels Identified with N	lon-Copper	Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
					-

Buisness	Slip#	Date	
		11 0	



Marina:	Inspector:		Marina Contact:			Date/Time:
Facility Check-In	_		-			11/10 -1330
Marina Manager Presen	t?		Yes	196.	Notes	
			1.00	ν		
Marina has current Auth	orized Div	er List?	烻	No	Notes	
Divers currently checked (List names/companies i		ow)	Yes	de.	Notes	
Diver Name:	Dive Com	the state of the s		Authorized	Slips Visited	Stated Purpose
General Observations			40			
General Marina Activity:	⊝Busy (>	50 people)	Moderate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	○Busy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	○Trash	Foam	Sewage
	Vegetatio	n	None	OLimited	ONormal	(Excessive
	Odors		Υ	DK.	Notes (Slip#):	
	Illicit Discl	narge	Υ	MC.	10, 5700	
Weather: OSunny	OPartly Cloudy	Overcast	Rain last Y N4 72hrs:		Actual Rainfall:	
Vessels Identified with N	Von-Conne	r Paint				in
Vessel Name	z. coppe	Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Buisness	Slip #	Date	
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Marina:	Inspector	20 ,	Marina C	ontact:		Date/Time:
Kon Kai	1. Kirdow			V 10 57 (15 K.K.		1/18- 1430
Facility Check-In						
Marina Manager Present?			YEK	No	Notes	
Marina has current Auth	norized Div	er List?	Yes	No	Notes	
Divers currently checked (List names/companies		ow)	Yes	Ng	Notes	
Diver Name:	Dive Com			Authorized	Slips Visited	Stated Purpose
					January Visited	Stated Purpose
General Observations General Marina Activity:	⊝Busy (>	50 people)	(Stylodera	ate (10-50	Quiet (0-10) people)
Topside boat	OBusy (>	10 boats)	Moderate (4-10		Quiet (0-3 boats)	
maintenance activities: Water Quality:	Eleatable		boats)	IOwt	0.	
water quality.	Floatables		None	OTrash	○Foam	OSewage
	Vegetatio Odors	n	None	Climited	ONormal	○Excessive
	Illicit Disci	harne	Y	NP.	Notes (Slip#):	
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y BK	Actual Rainfall:	
Vessels Identified with N	Von-Conne	r Paint	-			in
Vessel Name	чоп-сорре	Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
					-
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Buisness	Slip #	Date	
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Marina:	1 1 1 1		Marina C	ontact:		Date/Time:
Facility Check-In					1/11 -0815	
	+3		lv	100	Tes -	
Marina Manager Present?			Yes	Neg	Notes	
Marina has current Auth	norized Div	er List?	AB.	No	Notes	
Divers currently checked in: (List names/companies in rows below)			ABR.	No	Notes	
Diver Name:	Dive Com			Authorized	Slips Visited	Stated Purpose
Taylor Barnard	Agua	Force		y	E-34?	
General Observations						
General Marina Activity:	OBusy (>	50 people)	Moderate (10-50 people)		Quiet (0-10	people)
Topside boat maintenance activities:	OBusy (>	10 boats)	Moderate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables	5	None	OTrash	○Foam	Sewage
	Vegetation		None	OLimited	ONormal	OExcessive .
	Odors		γ	N.	Notes (Slip#):	
	Illicit Discl	harge	Υ	A S		
Weather: Sunny	Partly Cloudy	○Overcast	Rain last Y Y 72hrs:		Actual Rainfall:	
Vessels Identified with N	Non-Coppe	r Paint				in
Vessel Name		Owner		Slip#	Paint I	nfo Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Buisness	Slip#	Date	
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Marina:	Inspecto	F. O. o.	Marina C	ontact:		Data/Vi
Kon Kni	Inspector: P.B. Marina Contact:		ontact.		Date/Time:	
Facility Check-In	-12					11/11 -0945
Marina Manager Preser	nt?		Y	No	Notes	
Marina has current Authorized Diver List?		Y#	No	Notes		
Divers currently checked in: (List names/companies in rows below)		飚	Me.	Notes		
Diver Name:	Dive Com			Authorized	Slips Visited	Stated Purpose
bustavo	West	Const				Zns
General Observations						
General Marina Activity:	⊝Busy (>	50 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	⊝Busy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables	i .	ONone	()Trash	○Foam	○Sewage
	Vegetatio	n	ONone	Climited	Normal	()Excessive
	Odors		Y	N	Notes (Slip#):	
	Illicit Disch	harge	Y	N		
Weather: OSunny	OPartly Cloudy	Overcast	Rain last Y N 72hrs:		Actual Rainfall:	
Vessels Identified with N	lon-Coppe	r Paint				in.
Vessel Name		Owner		Slip#	Paint I	nfo Verified? Y/N



Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
In Diversitied F	-28 N	У	No, Znis	NO
	Company	Company Checked-In?	Company Checked- Authorized Y/N	Company Checked- Authorized V/N What is reason for service?

Buisness	Slip#	Date	
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Marina: Y Club	Inspector: Marina C		Contact:		Date/Time:	
Facility Check-In		100				11/11 120
Marina Manager Present?			Yes M		Notes	
Marina has current Aut	horized Div	er List?	Yes	No	Notes	
Divers currently checked in: (List names/companies in rows below)		婚	No	Notes		
Diver Name:	Dive Com	npany		Authorized	Slips Visited Stated Purpose	
Diegosilve	Hill	DiWho		y		
General Observations						
General Marina Activity	: OBusy (>	50 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables	Floatables		OTrash	○Foam	Sewage
	Vegetatio	n	ONone	OLimited	ONormal	Excessive
	Odors	Odors		N	Notes (Slip#):	
	Illicit Disci		Υ	N	1.0000000000000000000000000000000000000	
Weather: OSunny	OPartly Cloudy	○0vercast	Rain last 72hrs:	Y N	Actual Rainfall:	
Vessels Identified with I	Non-Coppe	r Paint				in.
Vessel Name		Owner		Slip#	Paint I	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Diego	Aul Ding	у	у	Cligate benale	
		-	/		

Buisness	Slip #	Date	
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Marina: SGY(Inspector	P. Barba	Marina C	Marina Contact:		Date/Time:	
Facility Check-In						1711 1100	
Marina Manager Preser	nt?		B	No	Notes		
Marina has current Auti	norized Div	er List?	Yak	No	Notes		
Divers currently checked	d in:		Yes	Mex	Notes		
(List names/companies	in rows bel	ow)	1000	**			
Diver Name:	Dive Com	pany		Authorized	Slips Visited	Stated Purpose	
General Observations							
General Marina Activity:	OBusy (>	50 people)	OModerate (10-50 people)		Quiet (0-10 people)		
Topside boat maintenance activities:	OBusy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables		ONone	()Trash	○Foam	Sewage	
	Vegetatio	n	None	OLimited	Normal	()Excessive	
	Odors		Y	N	Notes (Slip#):	-	
	Illicit Disch	narge	Y	N			
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y N	Actual Rainfa	ll: in.	
Vessels Identified with I	Non-Coppe	Paint					
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
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Buisness	Slip #	Date	



Marina: La Playa	Anna		Marina Co			Date/Time:
	L. Milian	Cerie	Fran	K-		1/11/22 1:550
Facility Check-In	+3		Tu-	(AL)		
Marina Manager Presen	L?		Yes	(No)	Notes	
Marina has current Auth	orized Dive	er List?	Yes	No	Notes	
Divers currently checked	d in:		Yes (No)		Notes	
(List names/companies i	in rows bel	ow)		_		
Diver Name:	Dive Com	pany		Authorized	Slips Visited	Stated Purpose
C! Ob!						,
General Observations	Io.		10			
General Marina Activity:	○Busy (>	50 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>	10 boats)	OModerate (4-10 boats)		⊗Quiet (0-3 boats)	
Water Quality:	Floatables		None	○Trash	○Foam	Sewage
and the second second	Vegetatio		None	Climited	ONormal	(Excessive
	Odors		Y	M	Notes (Slip#):	
	Illicit Disc	narge	Y	N	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y N	Actual Rainfal	ll: in.
Vessels Identified with I	Non-Coppe	r Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N
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Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
none				no activity, viewed dor't	
				trom SiO 1C	

Buisness	Slip#	Date		
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Marina:	Inspector		Marina C			Date/Time:
SWYC	Anna	belle	may	th Pean	cy	1/11/22 1:45
Facility Check-In			0		0	
Marina Manager Presen	t?		Yes	No	Notes	
Marina has current Authorized Diver List?		Yes	No	Notes		
Divers currently checked (List names/companies i		ow)	(Yes)	No	Notes	
Diver Name:	Dive Com	pany		Authorized	Slips Visited	Stated Purpose
Anthony Paschick	Alpha	. One Di	nng	Yes	D-48, B-21 F-47, F-54, 37, 44, 31, A-	619-721-8764 Hony@alpha.ene
General Observations			72.19		\	
General Marina Activity:	OBusy (>	50 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	○Busy (>	10 boats)	OModerate (4-10 boats)		(Quiet (0-3 boats)	
Water Quality:	Floatable:	s	None	○Trash	○Foam	Sewage
	Vegetatio	n	None	OLimited	ONormal	10 people) 3 boats) OSewage OExcessive
	Odors		Υ	(N)	Notes (Slip#):	
	Illicit Disc	harge	Υ	(N)	33 134 155 1	
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	N. W	Actual Rainfal	200
Vessels Identified with N	lon-Coppe	r Paint				
Vessel Name		Owner		Slip#	Paint I	nfo Verified? Y/N
		1				



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Anthony Raschick	Alpha One Diving	Yes	Yes	No, zines, Asked about out drives will follow-up via email	No
					2

Slip #	Date		
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	Slip #	Slip # Date	Slip # Date

questions from Anthony:	1
SWYC - EN FLEGO, Glen Miller	- D-48
Ainto on out drives	need into on it. Wases
SIM- Karen Sax - Sea 3 E	non-copper paint was these not observed port start of boats, but asked port start for
	boats, but as are future



Marina:	Inspector:		Marina Contact:			Date/Time:	
SDYC	Annak	selle				1/12/22 9:15	
Facility Check-In							
Marina Manager Presen	t?		Yes	No	Notes		
Marina has current Authorized Diver List?			Yes	No	Notes		
Divers currently checked (List names/companies i		ow)	Yes	No	Notes		
Diver Name:	Dive Comp			Authorized	Slips Visited	Stated Purpose	
General Observations				1			
General Marina Activity:	OBusy (>	50 people)	OModerate (10-50 people)		Quiet (0-10 people)		
Topside boat maintenance activities:	OBusy (>1	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables		None	()Trash	○Foam	Sewage	
	Vegetation		None	OLimited	ONormal	()Excessive	
	Odors		Y	(N)	Notes (Slip#):		
	Illicit Disch	arge	Y	N)	- Company		
Weather: Sunny	SPartly Cloudy	Overcast	Rain last 72hrs:	Y N	Actual Rainfall:		
Vessels Identified with N	lon-Copper	Paint					
Vessel Name		Owner		Slip#	Paint Info Verified? Y/N		



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
none					

Buisness	Slip #	Date	
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Marina: Kena Kai	Inspector: M Annabelle		Marina Contact:			Date/Time:	
	Finna	belle	Ja	ck		1/12/22 10	
Facility Check-In Marina Manager Present	.2		Two S		Inc.		
wanna wanager Presen	ir.	(Yes	No	Notes		
Marina has current Authorized Diver List?		Yes	No	Notes			
Divers currently checked (List names/companies i		ow)	Yes	No	Notes		
Diver Name:	Dive Com			Authorized	Slips Visited	Stated Purpose	
Bronson	Blue	Honzon		170	G,H,C-F	zincs, metals	
General Observations					1200		
General Marina Activity:	Busy (>50 people)		OModerate (10-50 people)		Quiet (0-10 people)		
Topside boat maintenance activities:	⊝Busy (>	10 boats)	Moderate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables		⊗None	()Trash	○Foam	Sewage	
	Vegetation		None	Climited	ONormal	()Excessive	
	Odors		Y	W.	Notes (Slip#):		
	Illicit Discharge		Y	(N)			
Veather: Sunny Partly Overcast Cloudy		Rain last Y (N) 72hrs:		Actual Rainfall:			
Vessels Identified with N	lon-Coppe	r Paint					
Vessel Name		Owner	Slip#		Paint Info Verified? Y/N		



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N	
Bronson	Blue Honzon	yes	No	Zinc, metals	No,	
				. l	ontten the fo	man mas
				Ser Hi	to B	WE OFFE
				god	DI IZOCI	

Buisness	Slip #	Date	



Marina: Kans Kai	Inspector	Phone	Marina Contact:			Date/Time:	
Facility Check-In						VIVO	
Marina Manager Present?			Y No		Notes		
Marina has current Authorized Diver List?			Yes	No	Notes		
Divers currently checked	f in:		Yes	NA	Notes		
(List names/companies i		ow)	1.33	0	ITTOTES		
Diver Name:	Dive Company		Authorized		Slips Visited	Stated Purpose	
General Observations							
General Marina Activity:	Busy (>50 people)		Moderate (10-50 people)		Quiet (0-10 people)		
Topside boat maintenance activities:	⊝Busy (>	10 boats)	Moderate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables		None	()Trash	()Foam	Sewage	
	Vegetation		None	Olimited	Normal	OExcessive .	
	Odors		Y	MC	Notes (Slip#):		
	Illicit Discharge		Y	M			
Weather: Sunny	OPartly Overcast Cloudy		Rain last Y N/2 72hrs:		Actual Rainfall: in		
Vessels Identified with N	ion-Coppe	r Paint					
Vessel Name		Owner			Paint Info Verified? Y/N		



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
6	51,				

Buisness	Slip#	Date	



Marina: SI Mapina	Inspersor: Marina Co		Contact:		Date/Time: 1/13 - 1015		
Facility Check-In					.=		
Marina Manager Presen	t?		XAP	No	Notes		
Marina has current Auth	orized Dive	er List?	YNG.	No	Notes		
Divers currently checked (List names/companies i			全种	No	Notes Con	red uniting	
Diver Name:	Dive Com		-	Thunk - dead			
Diver Name.	Dive Com	pany	-	Authorized	Slips Visited	Stated Purpose	
Lina	Line (Wing (1/2	17.13	У		Zincs	
Alan C.	blue	Wing (1/2)		Y	301	Zincs/Motols	
General Observations General Marina Activity:	OBusy (>	50 people)	Moder	rate (10-50	Quiet (0-10	D people)	
			people)				
Topside boat maintenance activities:	OBusy (>	10 boats)	Moderate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables		None	()Trash	Foam	OSewage	
	Vegetatio		None	OLimited	Normal	OExcessive	
	Odors		Y	Sage	Notes (Slip#):		
	Illicit Discl		Y	*			
Weather: Sunny	OPartly Cloudy	Vercast	Rain last 72hrs:	Y pH	Actual Rainfa	II:	
Vessels Identified with I	Non-Coone	r Paint					
Vessel Name	чоп-сорре	Owner		Slip#	Paint	Info Verified? Y/N	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Alan chevedo	Rue Hinzan	У	Y	304 Swarph Murie)	N

Buisness	Slip#	Date	
		- 10	
		_	



Marina:	Inspector		Marina C	ontact:		Date/Time:	
SHC	1. Brow					11/13 - 1100	
Facility Check-In	_					8	
Marina Manager Presen	t?		A	No	Notes		
Marina has current Auth	orized Dive	er List?	NEW Y	No	Notes		
Divers currently checked		725	Yes	144	Notes		
(List names/companies i	-	The state of the s					
Diver Name:	Dive Com	pany		Authorized	Slips Visited	Stated Purpose	
General Observations General Marina Activity:	ORUSU IS	50 people)	Moder	ate (10.50	20 uiet (0.1)) naonio)	
deneral marina netting.	Court		OModerate (10-50 people)		Quiet (0-10 people)		
Topside boat maintenance activities:	OBusy (>	10 boats)	○Moderate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables		None	OTrash	○Foam	Sewage	
	Vegetatio	n	None	OLimited	ONormal	()Excessive	
	Odors		Y	Ø.	Notes (Slip#):		
	Illicit Disch	harge	Y	刺			
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y 362	Actual Rainfall:		
Varanta telamitta di ciala a		0-1-4	10,750,000			in	
Vessels Identified with P Vessel Name	Non-Coppe	Owner		Slip#	Paint	Info Verified? Y/N	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
-					

Buisness	Slip #	Date		
		_		
		+	_	
		_		
		-		



Marina: SW/ C	Inspector:	otow	Marina Co	ontact:		Date/Time: 1/13 - 1400
Facility Check-In						110
Marina Manager Present	t?		Vest.	No	Notes	
Marina has current Auth	orized Dive	r List?	W/s	No	Notes	
Divers currently checked (List names/companies i		iw)	ARC.	No	Notes	
Diver Name:	Dive Company		Authorized	Slips Visited	Stated Purpose	
Branson K	Nueltozan		Y	AACDE	Metals	
Branson K. Alonso V.	OMN			У	ACOEF	7.51.5
General Observations General Marina Activity:	○Busy (>	50 people)	OModera	ate (10-50	Quiet (0-10	people)
Topside boat	OBusy (>:	10 boats)	people) Moderate (4-10		Quiet (0-3 boats)	
maintenance activities:		385048-300	boats)			
Water Quality:	Floatables		None	OTrash	○Foam	○Sewage
	Vegetation	1	None	OLimited	ONormal	○Excessive
	Odors		Υ	W.	Notes (Slip#):	
	Illicit Disch		Υ	M		
Weather: Sunny	Cloudy	Overcast	Rain last 72hrs:	Y ON	Actual Rainfall	: in
Vessels Identified with N	Non-Coppe	Paint				
Vessel Name		Owner		Slip#	Paint I	nfo Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
		420			
					9
				,	

A 1-			
A-19	1/13	Patio 1	
A-1	1/13	Zixes	
B-7	1/13		
			(F.
	0	0 1/13	21765



Marina: Tonga Landin	Inspector: Marina Co				Date/Time:	
	4 161	aut	Susar	1		1/14/22 1025
Facility Check-In Marina Manager Presen	t?		(es)	No	Notes had ()	redein sheet
Marina has current Auth	orized Dive	er List?	Yes	No	Notes	3.0
Divers currently checked (List names/companies i		ow)	Ves No		Notes	
Diver Name:	Dive Company			Authorized	Slips Visited	Stated Purpose
Pedro Reis	Durton	Bottom S		Y	maple	zincs ofly
General Observations						
General Marina Activity:	OBusy (>	50 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	()Trash	()Foam	OSewage
	Vegetatio		None	OLimited	ONormal	()Excessive
	Odors		1	0	Notes (Slip#):	-
	Illicit Disch	harge		(I)	Total (Supu).	
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y O	Actual Rainfall:	
Vessels Identified with N	Non-Coppe	r Paint				in.
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Pedro was	already out	of water			

Buisness	Slip#	Date	
			_
			_
			_
			_



Marina: Net	Inspector:	<u>i</u> K	Marina Co	ontact:	are other	Date/Time: 1/14/22 1035
Facility Check-In	File	ra	1 (CATO C	19 110	2000000	1/14/22 1035
Marina Manager Present	+2		Yes			Marie Marie Marie
		(Ng	older gan	rlunen	
Marina has current Authorized Diver List?		Yes	No	Notes Notes Did not	know	
Divers currently checked (List names/companies i)	Yes	No	Notes not	- lonow
Diver Name:	Dive Com		_	Authorized	Slips Visited	
Diver Name.	Dive com	Jany		Authorized	sips visited	Stated Purpose
				-		
C						
General Observations	IO		10			77.713.23
General Marina Activity:	OBusy (>	50 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>:	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	OTrash	○Foam	Sewage
e Contractor Charles	Vegetation		None	OLimited	ONormal	()Excessive
	Odors		Y	TY	Notes (Slip#):	
	Illicit Disch	arge	Υ	th \		
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	40	Actual Rainfal	l: in.
V			100 200			
Vessels Identified with N Vessel Name	von-Coppe			Tett-#		-4-11-18-12-12-1
vessei Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	CHOUND		0		
1/0	fag?	1	100		
	120	X S			
	91				

Buisness	Slip#	Date	



Marina:	Inspector:		Marina Contact:			Date/Time;
Bay Club Marina	1.0	W.	Anthony			1714/22 113
Facility Check-In		7.7	-			11.11
Marina Manager Present	t?		Yes .	No	Notes	
Marina has current Authorized Diver List?			Pes	No	Notes	
Divers currently checked (List names/companies i			Yes	No	Notes	
Diver Name:	Dive Com			Authorized	Cilian Maland	C1-1-1D
over vame.	Dive com	рану		Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity:	OBury IV	Solonon 03	OModor	nto (10.50	(Contex 10 11)
	Cousy (>	зо реоріе;	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	OTrash	○Foam	Sewage
	Vegetatio	n	None	OLimited	ONormal	()Excessive
	Odors		Υ	(D)	Notes (Slip#):	
	Illicit Disch	narge	Y (N			
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	YN	Actual Rainfall:	
Vessels Identified with N	lon-Conne	r Paint				in.
Vessel Name	топ сорре	Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
			-		

Buisness	Slip #	Date	
Lighthouse	8	1/11	Beton looked fooled
J			



Marina:	Inspector		Marina Co	ontact:		Date //Time:
Silveriate	Kijati		Clese			1/14/22 118
Facility Check-In		OS TA		10.00		1 11
Marina Manager Presen	t?		Mgs.	No	Notes	
Marina has current Authorized Diver List?			@s	No	Notes	
Divers currently checked in: (List names/companies in rows below)			Yes _	(No	Notes	
Diver Name:	Dive Com	N. Talanta		Authorized	Slips Visited	Stated Purpose
				-		
General Observations						1
General Marina Activity:	OBusy (>	50 people)	ØModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	⊝Busy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	○Trash	○Foam	OSewage
	Vegetatio	n	None	OLimited	Normal	()Excessive
	Odors		γ	(PA)	Notes (Slip#):	
	Illicit Disch	harge	Y GN			
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y N	Actual Rainfall:	
Vessels Identified with I	Von-Conne	r Paint				in
Vessel Name	топ сорре	Owner		Slip#	Paint	Info Verified? Y/N
	:					



In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
			service?

Buisness	Slip #	Date	
Shelter 19.	AIR	1/4	growth on hall
Aguarus	AY	1/4	Zinc repl.
Shelt ISI	B14	1/5	metals ally va
Shalt Isl	P33	1/13	metals only
Shap is	Clo	1/4)
Sa Marine	FS	No Date	
Haywis Ha	FIL	1/0	Metals
v. Q1	ts	1/6	M.
Shelter Ls.	Eso	1/13	Mans



Marina:	Inspector		Marina Co	ontact:		Datq/Timg:
SIM	KI	all	Nan	CU		1/14/21 12
Facility Check-In		V 2670	21	1		1
Marina Manager Presen	t?		Yes	No	Notes	
Marina has current Auth	er List?	Yes .	No	Notes		
Divers currently checked (List names/companies		ow)	199	No _	Notes eal e	today
Diver Name:	Dive Com	pany		Authorized	Slips Visited	Stated Purpose
Skylar Olsson	Greci	utture Ya	eht	N	various	netals
General Observations General Marina Activity:	Busy (>	50 people)		ate (10-50	Quiet (0-10	people)
Topside boat	○Busy (>	10 boats)	people) OModerate (4-10		Quiet (0-3 boats)	
maintenance activities:			boats)			
Water Quality:	Floatable	5	None	()Trash	()Foam	OSewage
-04-0607-5807-74-755A	Vegetatio	n	None	OLimited	Normal	()Excessive
	Odors		Y	AN .	Notes (Slip#):	
	Illicit Disc	harge	Υ	TN)		
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y N	Actual Rainfall	: in.
Vessels Identified with I	Non-Coppe	r Paint				
Vessel Name	soppe	Owner		Slip#	Paint I	nfo Verified? Y/N



Field Observations of Diver Activity

Diver Company Checked-In? Authorized Y/N What is reason for service? Y/N

Service? Y/N

Citation Issued? Y/N

Service? Y/N

Buisness	Slip#	Date	
Exec. Yacht Grap	520	No Date	holl looks fooled
Agracus	515	1/4	hull lodes chan-Ub3
Exec. Yeck 61P	424	1/14	hattrick?
		1	



Marina:	Inspector:	Roder	Marina Co	ontact:		Date/Time:
Facility Check-In	1,0	24 104	1			11/10 0100
Marina Manager Present	t?		Yes	HK	Notes	
				Alexi		
Marina has current Authorized Diver List?			ARE	No	Notes	
Divers currently checked in:			Yes	iden	Notes	
(List names/companies i Diver Name:	Dive Comp		770	Authorized	Slips Visited	Stated Purpose
Diver Name.	Dive com	Jany		Authorized	Sups visiteu	Stated Purpose
General Observations						
General Marina Activity:	Busy (>	50 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>1	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	○Trash	○Foam	Sewage
	Vegetation	1	None	Climited	ONormal	OExcessive
	Odors		Y	De	Notes (Slip#):	
	Illicit Disch	arge	Υ	₩ .		
Weather: Sunny	Cloudy	Overcast	Rain last 72hrs:	Y	Actual Rainfa	II:
Vessels Identified with I	Non-Copper	Paint				
Vessel Name	Сорра	Owner		Slip#	Paint	Info Verified? Y/N



Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
			7.	
	Company		[1] [20] [1] [20] [20] [20] [20] [20] [20] [20] [20	In? Y/N what is reason for

Buisness	Slip #	Date	



Marina:	Inspactor	1	Marina Contact:			Date/Time:
SWYC	Barlow					11/16 1045
Facility Check-In						
Marina Manager Presen	t?		Yes	NO	Notes	
Marina has current Auth	orized Dive	er List?	NOF	No	Notes	
Divers currently checked in:		Yes	14	Notes		
(List names/companies in rows below) Diver Name: Dive Company					Territoria de la companya della companya della companya de la companya della comp	
Diver Name:	Dive Com	pany		Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity:	OBusy (>	50 people)		ate (10-50	Quiet (0-10) people)
Topside boat	OBunits	10 boats)	people)		Quiet (0-3 boats)	
maintenance activities:	Oprish (>	10 008(5)	○Moderate (4-10 boats)		Samer (0-3 boars)	
Water Quality:	Floatables		None	○Trash	○Foam	Sewage
	Vegetatio	n	None	OLimited	ONormal	()Excessive
	Odors		Y	AT.	Notes (Slip#):	
	Illicit Discl	harge	Y	TK.		
Weather: Sunny	Cloudy	Overcast	Rain last 72hrs:	Y BL	Actual Rainfall;	
1-1-5-24			Traines.			ir
Vessels Identified with I	Non-Coppe					
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N
		1				



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Buisness	Slip #	Date	



Facility Check-In Marina Manager Present? Marina has current Authorized Diver List? No Notes Notes Notes Notes Notes Notes Notes Notes Divers currently checked in: (List names/companies in rows below) Diver Name: Dive Company Authorized Slips Visited Stated Purpose Moderate (10-50 people) people) Topside boat maintenance activities: Water Quality: Floatables Vegetation Odors Vegetation Vegetation Chone Chon	Marina:	Inspector day		Marina Contact:			Date/Time:
Marina Manager Present? Wes No Notes Marina has current Authorized Diver List? No Notes Divers currently checked in: (List names/companies in rows below) Diver Name: Dive Company Authorized Slips Visited Stated Purpose Moderate (10-50 people) Topside boat maintenance activities: Water Quality: Floatables Vegetation Odors Vegetation Odors Illicit Discharge Vegetation Cloudy Vessels Identified with Non-Copper Paint Vessels Identified with Non-Copper Paint	-	1	30 000	_			1100
Diver Scurrently checked in: (List names/companies in rows below) Dive Company Authorized Slips Visited Stated Purpose Authorized Slips Visited Stated Purpose Slips Visited Stated Purpose Moderate (10-50 people) People People Topside boat maintenance activities: Water Quality: Floatables None Orrash Foam Sewage Vegetation Odors Y Notes (Slip#): Weather: Osunny Partly Overcast Rain last Y Actual Rainfall: Vessels Identified with Non-Copper Paint	Contract of the Contract of th	t?		Yes Ma		Notes	
(List names/companies in rows below) Diver Name: Dive Company Authorized Slips Visited Stated Purpose Slips Visited Stated Purpose Authorized Slips Visited Stated Purpose Moderate (10-50 people) Topside boat Moderate (4-10 people) Topside boat Maintenance activities: Water Quality: Floatables Vegetation Odors Vegetation Odors Illicit Discharge Vegetation Odors Illicit Discharge Vessels Identified with Non-Copper Paint Vessels Identified with Non-Copper Paint	Marina has current Auth	orized Dive	r List?	Y No		Notes	
General Observations General Marina Activity: Busy (>50 people)	TO BOX OF BELL TO SALE IN THE TO THE SALE IN THE TO THE SALE IN TH		Yes	M	Notes		
General Observations General Marina Activity:					Authorizad	Cline Maited	Ctoted Dunnan
General Observations General Marina Activity: Busy (>50 people)	Diver Name:	Dive Company			Authorized	Slips Visited	Stated Purpose
General Marina Activity: OBusy (>50 people) OModerate (10-50 people) Topside boat OBusy (>10 boats) OModerate (4-10 obuset (0-3 boats) maintenance activities: ONone OTrash OFoam OSewage Vegetation Odors VOMODER ONORMAL OF OMOME OF OMO	-						i n
General Marina Activity: Susy (>50 people)							1
General Marina Activity: Susy (>50 people)							
General Marina Activity: OBusy (>50 people) OModerate (10-50 people) Topside boat maintenance activities: OModerate (4-10 people) Water Quality: Floatables ONone OTrash OFoam OSewage Vegetation Odors Y Notes (Slip#): Weather: OSunny Overcast Cloudy Overcast Rain last Y Actual Rainfall: 72hrs: Wessels Identified with Non-Copper Paint							
General Marina Activity: OBusy (>50 people) OModerate (10-50 people) Topside boat OBusy (>10 boats) OModerate (4-10 obuset (0-3 boats) maintenance activities: ONone OTrash OFoam OSewage Vegetation Odors VOMODER ONORMAL OF OMOME OF OMO							
General Marina Activity: OBusy (>50 people) OModerate (10-50 people) Topside boat OBusy (>10 boats) OModerate (4-10 obuset (0-3 boats) maintenance activities: ONone OTrash OFoam OSewage Vegetation Odors VOMODER ONORMAL OF OMOME OF OMO							+
General Marina Activity: OBusy (>50 people) OModerate (10-50 people) Topside boat OBusy (>10 boats) OModerate (4-10 obuset (0-3 boats) maintenance activities: ONone OTrash OFoam OSewage Vegetation Odors VOMODER ONORMAL OF OMOME OF OMO							
Topside boat		OBusy (>	50 people)			Quiet (0-10 people)	
Water Quality: Floatables Vegetation Odors Illicit Discharge Weather: Sunny Partly Cloudy Floatables None Otrash Otone OLimited ONormal OExcessive Notes (Slip#): Actual Rainfall: 72hrs: Vessels Identified with Non-Copper Paint		⊝Busy (>	10 boats)	Control of the Contro		Quiet (0-3 boats)	
Vegetation Odors Vegetation Odors Vegetation Odors Vegetation Odors Vegetation Odors Vegetation Vegetation Obone Vegetation Vegetati		Floatables			()Trash	OFoam	Sewage
Odors Y Notes (Slip#): Illicit Discharge Y Weather: Sunny Partly Overcast Rain last Y Actual Rainfall: Cloudy 72hrs: Vessels Identified with Non-Copper Paint	37.00				-		
Weather: Sunny Partly Overcast Rain last Y A Actual Rainfall: Cloudy 72hrs: Vessels Identified with Non-Copper Paint					-	Notes (Slip#)	
Weather: Sunny Partly Overcast Rain last Y M Actual Rainfall: 72hrs: Vessels Identified with Non-Copper Paint		Illicit Disch	narge	Ÿ		1	
Vessels Identified with Non-Copper Paint	Weather: Sunny	Partly		Rain last Y		Actual Rainfall:	
	and the fact of the same and the same and		000 9000	1.2			i
Vessel Name Owner Stip# Paint Into Verified? Y/N	Control of the Contro	Von-Coppe	-		lett-#	Bullet	Info Modfie d S V for
	Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Buisness	Slip #	Date		
		_		
			The state of the s	



Marina: Kong Kai	Inspector:		Marina Contact:			Date/Time:
Facility Check-In						11/10
Marina Manager Present	?		M	No	Notes	
Marina has current Auth	orized Dive	r List?	VA)	No	Notes	P.S.
하나 살이 하는 것이 되는 아이들은 이 사람들은 사람들이 얼마나 되었다.	Divers currently checked in: List names/companies in rows below)		Yes	NO	Notes	
Diver Name:	Dive Com		777-	Authorized	Slips Visited	Stated Purpose
		10				
General Observations General Marina Activity:	OBusy (>	50 people)	1	ate (10-50	Quiet (0-10	D people)
Topside boat maintenance activities:	⊝Busy (>	10 boats)	people) OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		Mone	()Trash	()Foam	Sewage
Traces admits	Vegetatio		None	Climited	Normal	OExcessive .
	Odors		Y	0	Notes (Slip#)	
	Illicit Disc	narge	Y	M		
Weather: Sunny	Rartly Cloudy	Overcast	Rain last 72hrs:	Y OF	Actual Rainfall:	
Vessels Identified with I	Non-Coppe	r Paint		.//		
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver		Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
					<u> </u>	
	*					

Buisness	Slip #	Date	7
			X
		1	



Marina: Ray (lub				ontact:	Date/Time:	
Facility Check-In				7		
Marina Manager Presen	t?		Yes ((No)	Notes	
Marina has current Authorized Diver List?			Yes	No	Notes	
Divers currently checked	l in:		Yes	No	Notes	
(List names/companies in rows below)			(7		
Diver Name:	Dive Comp	pany		Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity: Topside boat maintenance activities: Water Quality:	OBusy (>!	10 boats)	OModera people) OModera boats)	ate (10-50 ate (4-10	Quiet (0-10	
water quanty.	Vegetation		ONone	Climited	Normal	()Excessive
	Odors		Y	N	Notes (Slip#)	
	Illicit Disch	narge		N	Total (ampin)	50
Weather: Sunny	Partly Cloudy	Overcast	Rain last 72hrs:	Y (N)	Actual Rainfa	ill: 👉 in
Vessels Identified with I	Non-Coppe					15.4711/11812/11348-32
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Citation Issued? Y/N	Authorized Y/N	Checked- In?	Company	Diver
		-		
_		-		
		-		

Buisness	Slip#	Date	



Marina: Kanakai	Inspersor:		Marina Co	ontact:		Date/Time:
Facility Check-In	10	511000				11/11 - 015
Marina Manager Present?			tole	No	Notes	
Marina has current Auth	orized Dive	r List?	and a	No	Notes	
Divers currently checked (List names/companies in		nw)	Yes	ME	Notes STAR	Called in
Diver Name:	Dive Comp			Authorized	Slips Visited	Stated Purpose
General Observations						
General Marina Activity:	OBusy (>	50 people)	Moderate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	Busy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		ONone	OTrash	○Foam	Sewage
	Vegetatio	n	ONone	OLimited	ONormal	()Excessive
	Odors		Y	N	Notes (Slip#)	
	Illicit Disch	harge	Y	N	1	
Weather: Sunny	OPartly Cloudy		Rain last 72hrs:	Y N	Actual Rainfall:	
Vessels Identified with N	Non-Coppe	r Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N
Vessel Name		Owner		Slip#	Paint	Into Verified? Y/N
		-				



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
son Holman	Ocean View	N	y	No. Pol Awatesince	
Dan Hollman Ran Roberts	STAR	y	y	ND, Metals	

Buisness	Slip #	Date		
			_	
		_		



Marina: She Her Dand	Inspector Marina Contact:			ontact:		Date/Time:
Facility Check-In			- 8			
Contract of the Contract of th	Marina Manager Present?		No No		Notes	
Marina has current Auth	orized Dive	r List?	W	No +	Notes	
Divers currently checked	in:		Val	No	Notes	
(List names/companies in	n rows belo	w)	0		2000	
Diver Name:	Dive Comp	any		Authorized	Slips Visited	Stated Purpose
Van Sanson	Dri	Y Bolding		Yes		Melis
Van Sanson Hunter Janson	(-	11		Yes		Metals
Diego Silva	16	Cleaning	SD	Yes		notes bins
-				-		
General Observations						
General Marina Activity:	○Busy (>5	60 people)	Moderate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	Busy (>1	(0 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables	9	ONone	()Trash	○Foam	OSewage
	Vegetation	1	None	OLimited	ONormal	OExcessive .
	Odors		Υ	PHFF	Notes (Slip#)	:
	Illicit Disch	arge	Υ	R		
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y	Actual Rainfall:	
Vessels Identified with N	Non-Coppe	Paint				
Vessel Name		Owner		Slip#	Paint	t Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
				1 41	

Bulsness	Slip#	Date	
		1	
			7
		1	
			2



Harina: Moon	Inspector: Borlow		Marina Contact:			Date/Time:
Facility Check-In						11/11/200
Marina Manager Present?			Yes 📂		Notes	
Marina has current Authorized Diver List? Divers currently checked in:			YES	No	Notes	
			Yes	NO	Notes	
(List names/companies		ow)				
Diver Name:	Dive Com	pany	-	Authorized	Slips Visited	Stated Purpose
			•			
General Observations			-			
General Marina Activity:	OBusy (>	50 people)	Moderate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	⊝Busy (>)Busy (>10 boats) OM- boats		ate (4-10	(DQuiet (0-3	boats)
Water Quality:	Floatables		None	OTrash	OFoam	Sewage
	Vegetatio	n	None	OLimited	Normal	()Excessive
	Odors		Υ	N.	Notes (Slip#)	
	Illicit Disch	narge	Υ	N-	500000000000000000000000000000000000000	
Weather: OSunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y As	Actual Rainfall:	
Vessels Identified with I	Non-Coppe	r Paint				
Mystrc		Owner		Slip#	Paint	Info Verified? Y/N
		J& Blot		C-92	Xe S	



Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Lighthuse	N	1	Xes, Mystic	No
			(nor-caper)	
	_			
	+-			
		In?		In? Y/N what is reason for service?

Buisness	Slip#	Date	
10.00			
		- 24	



Marina:	Inspector: Reclaw Marina Contact:		ontact:		Date/Time:	
Facility Check-In						1/1
Marina Manager Presen	t?		Y No Notes		Notes	
Marina has current Authorized Diver List?		Yel	No	Notes		
Divers currently checked in:			Yes	No	Notes	*
(List names/companies i		w)			200000	
Diver Name:	Dive Comp	- Carrier		Authorized	Slips Visited	Stated Purpose
Sane/Almono	Western	1990		У	B-14	Zincs
Skyler	Exect	cht Minten	ue	Xo	Various	Zincs Metus
General Observations General Marina Activity:	OBusy (>!	50 people)		ate (10-50	Quiet (0-10) people)
Topside boat	○Busy (>1	10 boats)	people) Moderate (4-10		Quiet (0-3 boats)	
maintenance activities:			boats)			
Water Quality:	Floatables	84	O None	OTrash	○Foam	OSewage
	Vegetation	1	Wone	OLimited	ONormal	○Excessive
	Odors		Υ	W	Notes (Slip#)	
	Illicit Disch	arge	Υ	AT.		
Weather: Sunny	OPartly Cloudy	€ Overcast	Rain last 72hrs:	t N Actual Rainfall:		"15 in
Vessels Identified with I	Non-Coppe	Paint				
Vessel Name		Owner	Slip		Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Adriano	Waster APD	У	y	No zines	No
Adriano	Muster APD	y	y	NO , Zincs NO , Mehis	
	(4-1)	-			
		+			

Buisness	Slip #	Date	
		_	
		_	
		T	



Marina:	Inspector Bertow		Marina Contact:			Date/Time:	
Facility Check-In							
Marina Manager Present?			Yes	No.	Notes		
Marina has current Authorized Diver List?			ARRÍ	No	Notes		
Divers currently checked in: (List names/companies in rows below)			Yes	Na	Notes		
Diver Name:	Dive Company			Authorized	Slips Visited	Stated Purpose	
General Observations				-			
General Marina Activity:	: OBusy (>50 people)		OModerate (10-50 people)		Squiet (0-10 people)		
Topside boat maintenance activities:	OBusy (>10 boats)		OModerate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables Vegetation Odors Illicit Discharge		None	OTrash	○Foam	○Sewage	
			None	Climited	ONormal	()Excessive	
			Y	K	Notes (Slip#):	10	
			Y	NC.			
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	₩ N	Actual Rainfall:		
Vessels Identified with N	Non-Coppe	r Paint					
Vessel Name		Owner		Slip#	Paint	Paint Info Verified? Y/N	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	n				
1/2	(a)			4	

Buisness	Slip#	Date		
		_	_	



Marina: Kon x Ksi	Inspector:		Marina Contact:			Date/Time:
Facility Check-In	Ar		10.00			110
Marina Manager Present?			YEAR	No Notes		
Marina has current Auth	orized Dive	r List?	100	No	Notes	
Divers currently checked		Α.	Yes	06	Notes	
(List names/companies i	-	Act of the contract of the con		L		Terror and
Diver Name:	Dive Comp	Jany		Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity:	€Busy (>!	50 people)	(Modera	ate (10-50	Quiet (0-10) people)
Topside boat maintenance activities:	Busy (>:	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	P Trash	⊘ Foam ○Sewage	
	Vegetation		None	Climited	ONormal	⊗ Excessive
	Odors		Y	Nr.	Notes (Slip#)	The P.
	Illicit Disch	arge	Y	M		
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	dr N	Actual Rainfa	ll: ~ .\5 in.
Vessels Identified with	Non-Coppe	r Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
OFFEI	Dry BALM	5	y	I-28) No Metus T-Dock	16
		-			

Buisness	Slip#	Date		
	100000			
				_
	-		-	_
		_		_
				_



SDYC	P. Radow		Warma Contact.			1/19~1125
Facility Check-In						1111
Marina Manager Present?		10	No	Notes		
Marina has current Auth	orized Dive	r List?	yd	No	Notes	
Divers currently checked (List names/companies i		w)	俸	No	Notes	
Diver Name:	Dive Comp			Authorized	Slips Visited	Stated Purpose
Ron R	STA	R		Y	Venus	Meksony
Misuel 6.	6	k		Y	in t	e t
M. Gariss	Dy			y	Vins	Metals
Dive	HILL	reft		y	E-100	Mon-capper
General Observations		- 11	lou.		IO0 :	
General Marina Activity:	usy (>	50 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	British (>)	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		M one	○Trash	○Foam	○Sewage
2 000 45 1 100	Vegetation	1	None	Climited	ONormal	OExcessive .
	Odors		Y	W.	Notes (Slip#):	
	Illicit Discharge		Y	R		
Weather: Sunny	Cloudy	○Overcast	Rain last 72hrs:	A N	Actual Rainfall:	
Vessels Identified with I	Non-Coppe	r Paint	Mn =			
Vessel Name		Owner		Slip#	Paint I	nfo Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Dave Root	AllarA	Y	V	Yos, macagar	No
Dove Root Ron R	Aller STAR	У	y	NO. Metals	No
	(B-dick	(5)			
		_			
		-			

Buisness	Slip#	Date	
STAR Aanrins	Varies	1/7 - 1/19	
Agurius	Vones	2	
		20	N



Marina: Swy C	Inspector.		Marina Co	ontact:		Date/Time: 1/19 - 1300
Facility Check-In			W			
Marina Manager Present?			TE	No	Notes	
Marina has current Auth	orized Dive	r List?	M.2	No	Notes	
Divers currently checked (List names/companies i		nw)	Yes	Opp.	Notes	
Diver Name:	Dive Com			Authorized	Slips Visited	Stated Purpose
General Observations				7.		
General Marina Activity:	⊝Busy (>	50 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	⊝Busy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		Altone	()Trash	OFoam	Sewage
	Vegetatio		None	Climited	Normal	()Excessive
	Odors		Y	NT	Notes (Slip#):	
	Illicit Disch	narge	Υ	N	1	
Weather: OSunny	Partly Cloudy	Overcast	Rain last 72hrs:	X N	Actual Rainfa	11: 1.15 in
Vessels Identified with I	Non-Coppe	r Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Slip #	Date		
	_		
	Slip #	Slip# Date	Slip # Date





Marina:	Inspector:		Marina Contact:			Date/Time:
Kona Kai	Minar	relle	IAdan	1 Vene	8	1/20/22 8 300
Facility Check-In Marina Manager Present	2		(lvas)	No	Notes	
marina manager Present?		Yes No		Notes		
Marina has current Auth	orized Dive	er List?	Yes	No	Notes	
Divers currently checked in: (List names/companies in rows below)			Yes	No	Notes	
Diver Name:	Dive Com	pany		Authorized	Slips Visited	Stated Purpose
none						
				_		
General Observations						
General Marina Activity:	⊝Busy (>	50 people)	Moderate (10-50		Quiet (0-10 people)	
Topside boat maintenance activities:	⊝Busy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables	3.	⊗None	○Trash	○Foam	OSewage
	Vegetatio	n	None	OLimited	ONormal	OExcessive
	Odors		Y		Notes (Slip#):	
	Illicit Disc	harge	Υ	(N)		
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	(Y) N	Actual Rainfa	ll:
Vessels Identified with N	Non-Coppe	r Paint		70021		
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	Company			In? Y/N what is reason for

Buisness	Slip#	Date	
Shetter Island	2 ring B-24	1/6/22	hull appears dirty,
on the strong st	J AMA	MANAM	
Omni	6-7	1/14/22	zines/metals,
presty precsi	0 6-59	1/3/22	hull appears diay
shelted Island	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1/3/22	metals only,
Shelter Islan Diving Suni	0 11 71	1/3/22	metals only,
0			1



Marina: SIM	Inspector:		Marina Contact: Ice Ravitch			Date/Time:
	Hnno	Innabelle		Kauter	1	1/20/22 9:5
Facility Check-In				7	1	
Marina Manager Present	t?		Yes	No	Notes	
Marina has current Auth	orized Div	er List?	(Yes)	No	Notes	
Divers currently checked in: (List names/companies in rows below)		ow)	Yes	No	Notes	
Diver Name:	Dive Company			Authorized	Slips Visited	Stated Purpose
none						
				-		
General Observations						
General Marina Activity:	OBusy (>	50 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	○Busy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatable	s	None	()Trash	○Foam	Sewage
	Vegetatio		⊗None	Climited	ONormal	()Excessive
	Odors		Y	(N)	Notes (Slip#):	
	Illicit Disc	harge	γ	(N)		
Weather: Sunny	OPartly Cloudy	Overcast	Rain last Y N 72hrs:		Actual Rainfall: ~ 0.1	
Vessels Identified with !	Non-Coppe	r Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N
none						



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
none					
			-		

Buisness	Slip#	Date	
Star Marine	516	1/17/22	hull appears dirty
Star Manne	228	1/17/22	hull appears
			1
	_		



Marina:	Inspector	4	Marina Ci		(D) (D)	Dațe/Time:
S6YC	LAnna	ebelle	Celes	te Leo	inski	1/20/22 10
Facility Check-In		THE RESERVE	1	()	
Marina Manager Present?		Yes	No	Notes		
Marina has current Authorized Diver List?		Yes	No	Notes		
Divers currently checked	ine		Yes /	No	Notes	
(List names/companies is		d	ies	No)	Notes	
Diver Name:	Dive Com			Taush extend	Cline Minimed	Ist. 1.15
ower Name.	Dive Com	pany		Authorized	Slips Visited	Stated Purpose
none						
						1
				-		
General Observations						
General Marina Activity:	OBusy (>	50 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	()Trash	()Foam	Sewage
	Vegetatio		None	Climited	Normal	()Excessive
	Odors		Y	A Commed	Notes (Slip#):	
	Illicit Disch	narge	v	(N)	Trotes (Silpin).	
Weather: Sunny	OPartly Cloudy	Overcast	Rain last Y N 72hrs:		Actual Rainfall: , O. (
Vessels Identified with N	lon-Coppe	Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N
none						



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
none					
					2

Slip#	Date	
B-22	1/13/22	metals only, hull
A-16	no date but looks like new	No into on the but be is noticably didry
	749	, ,
		0 1-1



Marina:	Inspector: Berlow		Marina C	ontact:		Date/Time:
KONS KSI	1 Dertow		0.00040 0.000000000000			1/20 - 1330
Facility Check-In			~			11-
Marina Manager Present?			Pes	No	Notes	
Marina has current Authorized Diver List?			Yes	No	Notes	
Divers currently checked in:			Yes	Nd	Notes	
(List names/companies i				I		
Diver Name:	Dive Com	pany		Authorized	Slips Visited	Stated Purpose
General Observations	25.000					
General Marina Activity:	⊝Busy (>	50 people)	Moderate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	⊝Busy (>	10 boats)	Moderate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	OTrash	○Foam	Sewage
	Vegetatio	n	None	Climited	ONormal	()Excessive
	Odors		Y	M	Notes (Slip#):	
	Illicit Disc	narge	Y	N-		
Weather: Strinny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y AL	Actual Rainfall:	
Vessels Identified with N	lon-Conna	r Paint				in
Vessel Name	чоп-сорре	Owner		Slip#	Paint	Info Verified? Y/N



Diver		Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	0					
	bar					
	_					

Buisness	Slip#	Date	
	6		
	-		



Marina: Anna	Inspector: Bolow		Marina Contact:			Date/Time:	
Facility Check-In			-737			700	
Marina Manager Present?			Yes No		Notes		
Marina has current Authorized Diver List?			YAS.	No	Notes		
Divers currently checked	l in:		YAS	No	Notes		
(List names/companies i		w)	6				
Diver Name:	Dive Comp		4	Authorized	Slips Visited	Stated Purpose	
OSOAK	OMi			У	Various.	34	
General Observations General Marina Activity:	: OBusy (>5	0 people)	OModer	ate (10-50	Quiet (0-10	D people)	
Topside boat maintenance activities:	OBusy (>1	0 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables		None	()Trash	○Foam	Sewage	
	Vegetation		None	OLimited	ONormal	()Excessive	
	Odors		γ	_ ~	Notes (Slip#)		
	Illicit Disch	arge	Y	M	1		
Weather: 🕳 unny		Overcast	Rain last 72hrs:		Actual Rainfall:		
Vessels Identified with I	Non-Copper	Paint					
Vessel Name		Owner	7 30	Slip#	Paint	Info Verified? Y/N	



Diver		Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	1.	l.				
	1/2)				
						M:
						6

Buisness	Slip#	Date	
		_	



Inspector: Briw		Marina Co	ntact:		Date/Time:	
	J				11/20 -1550	
Facility Check-In Marina Manager Present?		get	No	No Notes		
orized Dive	r List?	Sep.	No	Notes		
	ow)	Yes	M	Notes		
7	ACCORDING TO A STATE OF THE PARTY OF THE PAR		Authorized	Slips Visited	Stated Purpose	
00000101	50 accorda)	OModos	110.50	(Maries 10 10) manufa)	
OBusy (>	0 people)	people)		Aggiet (0-10 beobie)		
OBusy (>1	l0 boats)	OModerate (4-10 boats)		@Quiet (0-3 boats)		
Floatables	8	None	○Trash	○Foam	Sewage	
		None	Otimited	ONormal	OF	
Vegetation		7 30.00.00	OLimited	ONOTHIAI	Excessive	
Vegetation Odors		Y	Cimited	Notes (Slip#):		
		-	-	-		
Odors		Υ	NS.	-	II:	
Odors Illicit Disch OPartly	narge Overcast	Y Y Rain last	4	Notes (Slip#):		
	d in: in rows belo Dive Comp	d in: in rows below) Dive Company	d in: In rows below) Dive Company OBusy (>50 people) OBusy (>10 boats) OModera	norized Diver List? In: In rows below) Dive Company Authorized Company Authorized Company Company Authorized Company Co	No Notes d in: In rows below) Dive Company Authorized Slips Visited Slips Visited Moderate (10-50 people) Busy (>50 people) Busy (>10 boats) Moderate (4-10 Quiet (0-3)	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Buisness	Slip#	Date	





Marina:						
SWY C	Inspector	· Rodaw	Marina Co	ontact:		Date/Time:
Facility Check-In						1/-
Marina Manager Present?			Yes	Nin-	Notes	
Marina has current Authorized Diver List?			VEN /	No	Notes	
Divers currently checked in: (List names/companies in rows below)			Yes	No	Notes List	check-in 19th
Diver Name:	Dive Comp		3 3 4	Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity	: OBusy (>	50 people)	○Modera	ate (10-50	Quiet (0-10) people)
Topside boat maintenance activities:	⊝Busy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	()Trash	○Foam	Sewage
1	Vegetation	n	None	Climited	ONormal	()Excessive
	Odors		Y	NX	Notes (Slip#):	
					1	
	Illicit Disch	narge	Y	N-		
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	A Sp	Actual Rainfa	
Weather: Sunny Vessels Identified with	OPartly Cloudy	Overcast	Rain last		Actual Rainfa	II:



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Buisness	Slip#	Date	- The state of the state of
			-





Marina:	Inspector)		Marina C	ontact:		Date/Time:
SYC	the	do				1/21 - 1000
Facility Check-In			1			and the second
Marina Manager Present?		Yes	No	Notes		
Marina has current Authorized Diver List?			Y69	No	Notes	
Divers currently checked in: (List names/companies in rows below)			ABY	No	Notes	
Diver Name:	Dive Compa			Authorized	Slips Visited	Stated Purpose
Dave Root	Qu	(eff		У	Dock work	Dick work
Michael	A	CRFT unus		y	A-9	
General Observations General Marina Activity:	OBusy (>50	people)	€Moder	ate (10-50	Quiet (0-10) people)
		200000000000000000000000000000000000000	people)			
Topside boat maintenance activities:	OBusy (>10) boats)	Moderate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		ONone	OTrash	® Foam	Sewage
	Vegetation		ONone	OLimited		()Excessive
	Odors		Υ	Ø.	Notes (Slip#)	
V	Illicit Discha	rge	Υ	NC		
Weather: Sunny	OPartly (Overcast	Rain last Y 72hrs:		Actual Rainfall:	
Massals Identified with		Dalat			1	ir
Vessels Identified with I Vessel Name		Owner -		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Buisness	Slip#	Date	
		1	



Maxina:	Inspector Brow		Marina Contact:			Date/Time:
Facility Check-In			19			1/4 100
Marina Manager Present	t?		Yes	No	Notes	
Marina has current Authorized Diver List?			AND .	No	Notes	
Divers currently checked in: (List names/companies in rows below)		ow)	Yes	Nd	Notes This	ΔM
Diver Name:	Dive Comp	and the same of th	9	Authorized	Slips Visited	Stated Purpose
Felipe buths	Do	ckside D	vars	y	4	Zinos
Februio	Dir	ekside D + Betton	ns	À	B5/L41	
General Observations General Marina Activity:	○Busy (>	50 people)	Moder	ate (10-50	Quiet (0-10	people)
			people)			
Topside boat maintenance activities:	⊝Busy (>:	10 boats)	Moderate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		Offigne	()Trash	()Foam	Sewage
	Vegetation	n	None	OLimited	ONormal	()Excessive
	Odors		Y	N	Notes (Slip#):	
/	Illicit Disch	arge	Y	40-	120464	
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:		Actual Rainfall:	
Vessels Identified with N	Non-Coppe	r Paint				
Vessel Name		Owner	-314	Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Buisness	Slip#	Date	
		1	





Marina:	Inspector	۸	Marina Co	ontact:		Date/Time:
Kona Kai	1	Barley		27710011		1/22 0900
Facility Check-In			-			1/00
Marina Manager Present	?		Yes	No	Notes	
Marina has current Auth	orized Dive	r List?	YES-	No	Notes	
Divers currently checked (List names/companies in		nw)	Yes	29	Notes	
Diver Name:	Dive Comp	WWW.	W	Authorized	Slips Visited	Stated Purpose
General Observations			-			
General Marina Activity:	OBusy (>	50 people)	people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	○Trash	○Foam	Sewage
	Vegetatio	n	Q None	OLimited	ONormal	○Excessive
	Odors		Υ	W.	Notes (Slip#):	
	Illicit Disch	narge	Υ	AC .		
Weather: Sunny					Actual Rainfall:	
Vessels Identified with I	Non-Coppe	r Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
				2
	Company			In? Y/N what is reason for

Buisness	Slip #	Date	NISME THE RESERVE
(A. O.	



			200000000000000000000000000000000000000			Visit State of the Control of the Co
Marina:	Inspector	P. Kody	Marina Co	ontact:		Date/Time:
Facility Check-In		THE STREET				1/20
Marina Manager Presen	t?		Yes	MO	Notes	
Marina has current Auth	orized Dive	er List?	465	No	Notes	
		V00340374407			1000000	
Divers currently checked (List names/companies i		ow)	Yes	MA	Notes	
Diver Name:	Dive Com	pany		Authorized	Slips Visited	Stated Purpose
				-		
General Observations						
General Marina Activity:	OBusy (>	OBusy (>50 people)		Moderate (10-50 people)) people)
Topside boat maintenance activities:	OBusy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3	boats)
Water Quality:	Floatables		None	○Trash	○Foam	Sewage
Transcration of the second	Vegetatio		None	OLimited	ONormal	()Excessive
	Odors	***	Y	Notes (Slip#)		
1	Illicit Disc	harge	Y	N	Trotes (Supur)	
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	y you	Actual Rainfa	
		70.500.6990	rams.			ir
Vessels Identified with I	Non-Coppe	_		1		
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Buisness	Slip#	Date	





Marina:	Inspector:		Marina Contact:			Date/Time:
Facility Check-In						100
Marina Manager Present	t?		Yes	We	Notes	
Marina has current Auth	orized Dive	r List?	Afe	No	Notes	
Divers currently checked (List names/companies i		nucl	Yes	Ne	Notes	
Diver Name:	Dive Com	The state of the s		Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity:	OBusy (>	50 people)	OModel people)	rate (10-50	Quiet (0-10	D people)
Topside boat maintenance activities:	OBusy (>:	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	()Trash	○Foam	Sewage
	Vegetation		None	OLimited	Normal	OExcessive
	Odors		Y	N.	Notes (Slip#)	
		narge	Y	a	Notes (Shp#).	
Weather: Sunny	Illicit Discharge Overcast Cloudy				Actual Rainfall:	
Vessels Identified with I	Non-Coppe	r Paint			8	
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Buisness	Slip#	Date	
		_	



2 - 1230	1/22		Marina Contact:		Inspector:		wer lande	Marina:
	100			V	11.00	1.	ty Check-In	
		Notes	MA	Yes		?	na Manager Present	
		Notes	No	Yel	r List?	orized Dive	na has current Auth	Marina ha
		Notes	Red	Yes	nw)		s currently checked	
ed Purpose	Stated P	Slips Visited	Authorized	1		Dive Comp		Diver Nam
2)	people)	Quiet (0-10	te (10-50	OModera	50 people)	OBusy (>5	eral Observations eral Marina Activity:	-
	Quiet (0-3 boats)		OModerate (4-10 boats)		10 boats)	⊝Busy (>1	ide boat tenance activities:	Topside be
wage	OSewa	OFoam	○Trash	None	0.	Floatables	er Quality:	and the second second
	Exces	ONormal	OLimited	@None	n	Vegetation	- 0	
	Notes (Slip#):		, Q	Y		Odors		
		1	Y R		narge	Illicit Disch		
Actual Rainfall:		Rain last Y 1		and the same of th		ther: Sunny	Weather:	
					r Paint	lon-Copper	els Identified with N	Vessels Id
ified? Y/N	Info Verifie	Paint	Slip#		Owner		The second secon	Vessel Na
ified?	Info Verifie	Paint	Slip#		_	Von-Copper	The second secon	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Buisness	Slip#	Date	





Marina:	Inspector	arlaw	Marina Contact:			Pate/Time: 1/23 - 0900	
Facility Check-In		13277				,	
Marina Manager Present	t?		Yes	Yes 🙌			
Marina has current Auth	orized Dive	r List?	Yes No		Notes		
Divers currently checked	in:		Yes	Ne	Notes		
(List names/companies in		w)		20			
Diver Name:	Dive Company			Authorized	Slips Visited	Stated Purpose	
General Observations General Marina Activity: Topside boat maintenance activities:	OBusy (>1		people) OModera boats)	ate (10-50 ate (4-10	Quiet (0-10	boats)	
Water Quality:	Floatables		None	○Trash	○Foam	○Sewage	
	Vegetation		≥ None	OLimited	ONormal	○Excessive	
	Odors		Υ	N	Notes (Slip#):		
	Illicit Disch	-	Υ	A			
Weather: Strinny	OPartly Cloudy	Overcast	Rain last Y X 72hrs:		Actual Rainfall:		
Vessels Identified with N	Non-Coppe	_		lau u			
Vessel Name	Owner			Slip#	Paint	Info Verified? Y/N	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Buisness	Slip#	Date	
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		_	
7			



CDV (Inspector.	ostbu/	Marina Contact:			1/23 JOHS	
Facility Check-In	-					1	
Marina Manager Present	1?		Yes	MIT .	Notes		
Marina has current Auth	orized Dive	r List?	V.	No	Notes		
Divers currently checked		,	Yes No		Notes		
(List names/companies in Diver Name:				I. access	er-ve-v-t	In I B	
Diver Name.	Dive Comp	dily		Autionzeo	Slips Visited	Stated Purpose	
General Observations General Marina Activity:	⊝8usy (>5	i0 people)	OModera people)	ate (10-50	Quiet (0-10	0 people)	
Topside boat maintenance activities:	OBusy (>10 boats)		OModerate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables	-	ONone	()Trash	()Foam	Sewage	
	Vegetation		None	OLimited	Normal	()Excessive	
	Odors		Y	N	Notes (Slip#):		
	Illicit Discharge		Ÿ	N			
Weather: Sunny	OPartly Cloudy	OPartly Overcast Rain last Y		Y N	Actual Rainfall:		
Vessels Identified with N	Non-Copper	Paint					
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
		1			
_					

Buisness	Slip #	Date	
		_	_
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Marina: SDYC	Inspector:	relle	Marina Co	ontact:		Date/Time: 1/24/22 1:26	
Facility Check-In			_		7		
Marina Manager Present	ility Check-In rina Manager Present? rina has current Authorized Diversers currently checked in: t names/companies in rows belover Name: Dive Companies in rows belover Name: Dive Co		Yes	No		unity gate	
Marina has current Auth	orized Dive	r List?	Yes	No	Notes	8-0	
Divers currently checked in:			Yes	(No)	Notes		
(List names/companies i	n rows belo	w)	3.5		0.000		
Diver Name:	Dive Comp	Dive Company		Authorized	Slips Visited	Stated Purpose	
none							
General Observations							
General Marina Activity:	OBusy (>5	60 people)	Moderate (10-50 people)		Quiet (0-10 people)		
Topside boat maintenance activities:	OBusy (>1	(0 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables		None	OTrash	()Foam	○Sewage	
	Vegetation	1	None	OLimited	ONormal	○Excessive	
	Odors		Y	W	Notes (Slip#):		
	Illicit Disch	arge	Υ (N _			
Weather: Sunny		Overcast	Rain last 72hrs:	Y N	Actual Rainfa	ll: in.	
	Non-Copper	Paint					
Vessel Name		Owner		Slip#	Paint Info Verified? Y/N		



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Fabio Messii	Sub HZO	Yes	No	Zincs only	2
21					

Buisness	Slip #	Date	
		_	
	7		
		_	



Marina: La Playa	Inspector:		Marina Contact:			Date/Time:	
Facility Check-In	Annak	selle				1/24/22 12:406	
Marina Manager Presen	t?		Yes (No	Notes View	sed dock from	
Marina has current Auth	orized Dive	r List?	Yes	No	Notes		
Divers currently checked (List names/companies i		w)	Yes	No	Notes		
Diver Name:	Dive Comp	oany		Authorized	Slips Visited	Stated Purpose	
vione							
General Observations							
General Marina Activity:	OBusy (>5	50 people)	OModerate (10-50 people)		Quiet (0-10 people)		
Topside boat maintenance activities:	OBusy (>1	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables		 None	OTrash	OFoam	Sewage	
107	Vegetation	1	None	OLimited	ONormal	()Excessive	
	Odors		Y	(N)	Notes (Slip#):		
	Illicit Disch	arge	Υ	N.			
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	YN	Actual Rainfa	ll: in	
Vessels Identified with I	Non-Copper	Paint					
Vessel Name		Owner		Slip#	Paint Info Verified? Y/N		
None_							
				1			



Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
				7
	Company			In? Y/N what is reason for

Buisness	Slip #	Date	
none			





Marina: SWYC	Inspector:		Marina Co	ontact:		Date/Time: 1/24/22 12:30	
	17 1111100	Jene	-			1/27/200	
	1?		Yes	No	Notes		
Iarina Manager Present? Iarina has current Authorized Diver List? Ivers currently checked in: Iist names/companies in rows below) Iver Name: Dive Company Ictor Pallares omni Cafael Verdugo omni			Yes	No	Notes		
		ow)	Yes	No	Notes		
Diver Name:	Dive Comp	pany		Authorized	Slips Visited	Stated Purpose	
Victor Pallares	on				C,B,D	zincs only	
Rafael Verdugo O		vn.i		yes	C,B,D,E	Zines only	
General Observations	ORney Is	50 neonle)	Moder	ate (10-50	Quiet (0-10	neonie)	
General Marina Activity.	Obusy (>	о реоріе)	OModerate (10-50 people)				
Topside boat maintenance activities:	OBusy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables		None	○Trash	○Foam	○Sewage	
	Vegetatio	n	None	Climited	ONormal	OExcessive .	
	Odors		Ý	(N)	Notes (Slip#):		
	Illicit Disch	narge	Υ	(N)			
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y (N)	Actual Rainfall	: in.	
Vessels Identified with N	Non-Coppe	r Paint					
Vessel Name		Owner		Slip#	Paint I	nfo Verified? Y/N	
none							



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
none					

Buisness	Slip #	Date	
omni	E-41	1/24/22	growth on hull
emni.	B-15	1/24/22	growth on hall



Marina:	Inspector:	irla	Marina Co	ontact:		Date/Time: 115
Marina Manager Present	?		8	No	Notes	
Marina has current Autho	orized Dive	List?	Yes.	No	Notes	
Divers currently checked	in:		Yes	ME	Notes	
(List names/companies in	n rows belo	w)				
Diver Name:	Dive Comp	any -		Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity: Topside boat maintenance activities:	○Busy (>5		Modera people) Modera boats)	ate (10-50 ate (4-10	Quiet (0-1	
Water Quality:	Floatables	3	None	○Trash	○Foam	○Sewage
	Vegetation	1	None	OLimited	Normal	()Excessive
	Odors		Y No No		Notes (Slip#):	
	Illicit Disch	arge	Y	0		
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y JL	Actual Rainfa	all: in
Vessels Identified with N	Non-Copper	Paint		Slip#	Paint	t Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	V				

Buisness	Slip #	Date	
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Kon Kai	Inspector.	dow	Marina Co	ntact:		1/25 -0945
Facility Check-In						"
Marina Manager Present?		Y No		Notes		
Marina has current Authorized Diver List?		4	No	Notes		
Divers currently checked			Yes	No	Notes	
(List names/companies in	-	With the same of t				1-
Diver Name:	Dive Comp	any		Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity:	OBucu /s	(A neonle)	€Moder:	te (10-50	Quiet (0-10) neonle)
General Marina Activity.	Oprish (>:	o people)	Moderate (10-50 people)		- Catalog (a 10 beable)	
Topside boat maintenance activities:	⊝Busy (>1	(0 boats)	Moderate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables	ž – –	None	()Trash	○Foam	Sewage
	Vegetation		None	OLimited	ONormal	()Excessive
	Odors	0	У	ON .	Notes (Slip#)	10
	Illicit Disch	arge	Y	RC.	13.00	
Weather: Abunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y A	Actual Rainfa	ıll: in.
Vessels Identified with I	Non-Copper	Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Pedro	Dry Bothers	Y	X	H-18) No, Metals	N
		-			

Buisness	Slip #	Date	





Marina: Marina:	Inspectors B-4		Marina C	Marina Contact:		Date/Time:
Facility Check-In		-				1/20 113
Marina Manager Present?			Yes	NOT	Notes	
Marina has current Auth	orized Div	er List?	Yes	No	Notes	
Divers currently checked (List names/companies		ow)	Yes	(NO	Notes	
Diver Name:	Dive Com	The state of the s	THE SALE	Authorized	Slips Visited	Stated Purpose
General Observations						
General Marina Activity:	○Busy (>	50 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables	3	ONone	○Trash	OFoam	Sewage
	Vegetatio	n	ONone	Olimited	ONormal	Excessive
	Odors		Y	M.	Notes (Slip#):	
	Illicit Disc	harge	Υ	*		
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:		Actual Rainfall:	
Vessels Identified with I	Non-Coppe	r Paint				
Vessel Name		Owner	3,514	Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
h =					
Nove	2				

Buisness	Slip#	Date	NSW USAN
		_	





Marina: Moon	Inspector:		Marina Co	ontact:		Date/Time:
Facility Check-In					-	100
Marina Manager Present?		Ves No		Notes		
Marina has current Auth	orized Dive	r List?	Y	No	Notes	
Divers currently checked	in:		Yes	M	Notes	
(List names/companies i		rw)	1000	N		
Diver Name:	Dive Comp			Authorized	Slips Visited	Stated Purpose
			,*			
General Observations General Marina Activity:	OBusy (>!	50 people)	1 TO	ate (10-50	Quiet (0-10) people)
Topside boat	OBusy (>	10 boats)	people) OModerate (4-10		Quiet (0-3 boats)	
maintenance activities: Water Quality:	Floatables		boats) None	()Trash	○Foam	[Os
water Quanty.	Vegetation		None	OLimited	Normal	OSewage OExcessive
	Odors		Y	N/C	Notes (Slip#):	
	Illicit Disch	arge	Y	6	Hotes (Ship#).	
Weather: Sunny		Overcast	Rain last 72hrs:	Y pe	Actual Rainfa	II: in.
Vessels Identified with I	Non-Coppe	Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
No	ne	-			-
					-

Buisness	Slip#	Date	





Marina: Shelfor Tslad	Inspector:		Marina Contact:			Date/Time:
Facility Check-In			100			
	Marina Manager Present? Marina has current Authorized Diver List?		Y SO	No	Notes	
Marina has current Auth			Y65	No	Notes	
A CONTRACT OF THE PROPERTY OF	Divers currently checked in: (List names/companies in rows below)		Yes	THE	Notes	
Diver Name:	Dive Com			Authorized	Slips Visited	Stated Purpose
			_			
General Observations				-		
General Marina Activity:	OBusy (>50 people)		Moderate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	⊝Busy (>	10 boats)	OModerate (4-10 boats)		♥Quiet (0-3 boats)	
Water Quality:	Floatables	;	Mone	OTrash	○Foam	○Sewage
100 190	Vegetatio	n	@None	OLimited	ONormal	○Excessive
	Odors		γ	OK	Notes (Slip#):	
	Illicit Discl	narge	Υ	N	1	
Weather: Sunny	OPartly Cloudy	Overcast	Rain last Y A		Actual Rainfall:	
Vessels Identified with I	Non-Coppe	r Paint	,,,			
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
*					
Иa	l l				
1101					

Buisness	Slip#	Date	
		1/2	



Marina:	Inspector		Marina (Contact:		Date/Time:	
SDYC	Annabelle				1/26/22 1410		
Facility Check-In			^				
Marina Manager Presen	it?	(Yes	No	Notes		
Marina has current Auth	norized Dive	r List?	Yes	No	Notes		
Divers currently checker (List names/companies		ow)	Yes	No	Notes		
Diver Name:	Dive Com	Dive Company		Authorized	Slips Visited	Stated Purpose	
Anthony Echovez	Aquarius Pacific Marin Senaces			Yes	C-52	Dive	
Rubun Nunez	Pacifi	e mariv	re	Yes	F	Dive	
General Observations General Marina Activity	: OBusy (>	50 people)	OMode	rate (10-50	SQuiet (0-10) people)	
			people)				
Topside boat maintenance activities:	OBusy (>	10 boats)	(XMode boats)	rate (4-10	Quiet (0-3 boats)		
Water Quality:	Floatables		None	()Trash	OFoam	OSewage	
	Vegetatio	n	None	OLimited	ONormal	()Excessive	
	Odors		Υ	(N)	Notes (Slip#):		
	Illicit Disch	narge	Υ	(N)			
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y (N)	Actual Rainfa	II: NA in.	
Vessels Identified with	Non-Coppe	r Paint					
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N	
none							
					5		



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
none					

Buisness	Slip#	Date	
none			
. ====			



Marina: 5WYC	Inspector:	nspector: Marina Contact:		ontact:		Date/Time: 1/26/22 2:55
Facility Check-In		A Coloredo	_			
Marina Manager Present	1?	(Yes	No	Notes	
Marina has current Auth	orized Dive	r List? (Yes	No	Notes	
Divers currently checked	in:		Yes	(No)	Notes	
(List names/companies i	n rows belo	w)				
Diver Name:	Dive Company			Authorized	Slips Visited	Stated Purpose
none						
General Observations General Marina Activity:	OBusy (>!	50 people)	○Modera	ate (10-50	Quiet (0-10) people)
			people)			
Topside boat	OBusy (>1	10 boats)	OModerate (4-10		Quiet (0-3 boats)	
maintenance activities:	1	10.25	boats)			
Water Quality:	Floatables			OTrash	○Foam	○Sewage
	Vegetation	n	None	OLimited	ONormal	○Excessive
	Odors		Υ	N)	Notes (Slip#):	
	Illicit Disch		Υ	(N)		
Weather: (Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y (N)	Actual Rainfa	II: NA in.
Vessels Identified with I	Non-Coppe	r Paint				
Vessel Name Owner		_		Slip#	Paint Info Verified? Y/N	
none						
<u></u>						
				-		



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
name					

Buisness	Slip #	Date	
none			
		+	
		-	



Marina: La Playa	Inspector:		Marina Co	ontact:		Date/Time: 1/26/27 3:∞
	Hmn	ibelle				1/26/22 3:0
Facility Check-In Marina Manager Present	2		Yes	No	Notes	
marina manager r resent			163	The state of the s	Motes	
Marina has current Authorized Diver List?			Yes	No	Notes	
Divers currently checked in: (List names/companies in rows below)			Yes	No	Notes View SWYC	und from
Diver Name: Dive Company			Authorized	Slips Visited	Stated Purpose	
General Observations General Marina Activity:	OBusy (>	50 people)	700	ate (10-50	SQuiet (0-10	0 people)
Topside boat	OBusy (>	10 boats)	people) Moderate (4-10		Quiet (0-3 boats)	
maintenance activities:	F1		boats)	Torus	Or	100
Water Quality:	Floatables		⊗None ⊗None	OTrash	○Foam ○Normal	○Sewage ○Excessive
	Vegetation Odors	1	None	OLimited N	_	10
	Illicit Disch	22700	V	/N)	Notes (Slip#):	
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	YN	Actual Rainfa	ill:
Vessels Identified with I	Non-Coppe	r Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N
none						
				-		



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
none					

Buisness	Slip#	Date	
porl			

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Marias N	CLAN		Mariano			Data IT	
Marina: Ler S	Inspector	ait	Marina Co		_	Date/Time:	
7100114 111.	1	a vi	1906	Plantel		1/26/22/10	
Facility Check-In	•3		(lv-)	N-	In .		
Marina Manager Presen	I.r		Yes No		Notes		
Marina has current Auth	orized Dive	er List?	(Ve)s	No	Notes		
Divers currently checked	f in:		Yes	(No)	Notes		
(List names/companies i				\sim			
Diver Name:	Dive Com	pany		Authorized	Slips Visited	Stated Purpose	
			30				
General Observations	_			_			
General Marina Activity:	OBusy (>	50 people)	OModerate (10-50 people)		Quiet (0-10 people)		
Topside boat maintenance activities:	⊝Busy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables		ONone	()Trash	Foam	Sewage	
	Vegetatio		ONone	Climited	Normal	OExcessive .	
	Odors		Y	N	Notes (Slip#):		
	Illicit Disch	harge	Y	N	1		
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y N	Actual Rainfa	li:	
Vocanie Identifie dich. 5	Non Casa-	e Daiet	25				
Vessels Identified with I Vessel Name	von-coppe	Owner	-	Slip#	Paint	Info Verified? Y/N	
Tester Hame		1341161					
N .		-		-			
		-					
		+		1			
		N= -					



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Omni	432	1/26			
Shalker	15! DW 95:04	1/10			
	_	_			

Receipt Tags observed on slips

Buisness	Slip#	Date	
Star	114	1/11	
Lighthouse	218	1/21	
Omni	207	1/26	
2mmi	11	1/26	
Omy	312	1/200	
Omni	323	1/26	
Own	325	1/26	
Dani	612	12/29	
Stac	615	No Date	

OMNI 408 1/26 OMNI 418 1/26 Dirty Bottoms 928 No DONE





Marina Kal	Inspector:		Adun	leves		1124/22 10 g	
Facility Check-In			6			1	
Marina Manager Presen	t?		Yes No		Notes		
Marina has current Auth	orized Dive	r List?	Yes	No	Notes		
Divers currently checked in: (List names/companies in rows below)			Yes (No	Notes		
	iver Name: Dive Company			Authorized	Slips Visited	Stated Purpose	
orrer manie.	Dire comp			racionizeo	Jips visited	Stated Fairpose	
	-					_	
General Observations			10				
General Marina Activity:	OBusy (>5	OBusy (>50 people)		Moderate (10-50 people)) people)	
Topside boat maintenance activities:	QBusy (>1	(0 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables		None	○Trash	()Foam	Sewage	
	Vegetation	1	None	Climited	ONormal	()Excessive	
	Odors		γ (N	Notes (Slip#):	~	
	Illicit Disch	arge	Υ (N			
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y (N	Actual Rainfa	ll: io	
Vessels Identified with	Non-Coppe	Paint					
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N	

PORT of SAN DIEGO

Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Alpha O	re Bld	1/18	Dr. Bollow	642	No Da
Shelter 1s	LDWA B24	1/6	Pressla		No and
Disty Bo	Horns I27	Noe	Pressla	6 59	1/3
recutive		1/14		Mail P. Air	
Omn;	I SO	1/3			
Pressley		North			
States 15	1 Diana H78	1/24			
Agrasius	H53	1/14			
ONN, eceipt Tags ob	oserved on slips	414			

Buisness	Slip#	Date	
Star Marine	237	1/7	b
Precision During	832	NA	
Dirty Bittams	FII	1/14	
Omn:	FZZ	1/14	
Lighthouse	cay	1/21	
Alpha One	C35	1/18	
Lightharse	C30	1/24	
Precision	C34	1/24	
Etq.	15	400	

Agracus Omni Pressled 000 420

A20 NO DOSE





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Marina:	Inspector	solv.	Marina Co	ontact:		Date/Time:	
Facility Check-In	16	200				1/21 100	
Marina Manager Present	?		YES	No	Notes		
warma wanager r resem			.4	140	Hotes		
Marina has current Auth	orized Dive	r List?	R	No	Notes		
Divers currently checked (List names/companies i		w)	Yes	No	Notes		
Diver Name:	Dive Comp	oany		Authorized	Slips Visited	Stated Purpose	
				+			
				+			
General Observations							
General Marina Activity:	OBusy (>50 people)		OModerate (10-50 people)		Quiet (0-10 people)		
Topside boat maintenance activities:	OBusy (>:	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables	0	None	()Trash	Foam	Sewage	
react downey.	Vegetation		ONone	OLimited	ONormal	()Excessive	
	Odors		γ	N	Notes (Slip#):		
/	Illicit Disch	narge	Υ	N	1		
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y N	Actual Rainfa	ill:	
Vessels Identified with I		r Paint					
Vessel Name	топ-сорре	Owner		Slip#	Paint	t Info Verified? Y/N	
+							



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Buisness	Slip#	Date	
Executive YehT	Slip# I-26	1/24	
	-		



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Marina:	Inspector		Marina Co	ontact:		Date/Time:
Facility Check-In	137	400	-			1/2/- 1000
Marina Manager Present	t?		N/Mg	No	Notes	
Marina has current Auth	cility Check-In arina Manager Present? arina has current Authorized Diver List? arina has currently checked in: at names/companies in rows below) are Name: Dive Company Partly (>50 people) Dive Company Dive Company	r List?	YNS	No	Notes	
			Yes	Neg	Notes	
Diver Name:	_		Authorized Slips Visited		Stated Purpose	
			17.5			
General Observations						
General Marina Activity:	OBusy (>50 people)		Moderate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	Busy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables	83	None	○Trash	○Foam	Sewage
	Vegetatio	n	(§None	OLimited	ONormal	(Excessive
	Odors		Y	W	Notes (Slip#):	
100	Illicit Disch	narge	Υ	N		
Weather: Sunny		Overcast	Rain last 72hrs:	A M.	Actual Rainfall:	
Vessels Identified with I	Non-Coppe	r Paint				in
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



	1

Buisness	Slip#	Date	
OMni	F-54	1/25	Partal observed gouth
Sub Hao	E-58	1/24	bouth observed on hill
OMA	E-54	1/25	Hil cleaning conved
Aguanus	C51	1/24	Hil Clarry sprayal





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Marina:	Inchestor		Marina Co	intact:		Date/Time:
CWY(Inspector.	w low	Iviarina Co	milact.		1/27 -090
Facility Check-In	121	70 10 -				11/21 010
Marina Manager Presen	t?		Yes	MP	Notes	
			A CONTRACTOR	-0	1,625,52	
Marina has current Auth	current Authorized Diver List? Intly checked in: Intly checked in	r List?	TEE	No	Notes	
Divers currently checked (List names/companies i		ow)	Yes	No	Notes	
Diver Name:	_			Authorized	Slips Visited	Stated Purpose
General Observations						-
General Marina Activity:			OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>	10 boats)	OModera boats)	ate (4-10	Quiet (0-3	boats)
Water Quality:	Floatables		None	○Trash	○Foam	Sewage
	Vegetation	n	W None	OLimited	ONormal	○Excessive
	Odors		Υ	X	Notes (Slip#):	
	Illicit Disch	narge	Υ	R		
Weather: Sunny		○Overcast	Rain last 72hrs:	A OF	Actual Rainfa	ll: in
	Non-Coppe	r Paint		70		
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Bulsness	Slip#	Date		833
Executive Yight	A-25	1/24	" Dive"	
	_			



Marina: SGYC	Inspector:	lle.	Marina Contact:			Date/Time: 1/28/22 10:14	
Facility Check-In	FIRE	110				111-01	
and the second of the second o	Marina Manager Present?		Yes No		Notes		
Marina has current Auth	orized Diver Li	st? (Yes No		Notes		
Divers currently checked in: List names/companies in rows below)			Yes No N		Notes		
Diver Name:	Dive Compan	v		Authorized	Slips Visited	Stated Purpose	
Diver Hame.	Dive compan	,	HU.	Authorized	Slips visited	Stated Purpose	
none							
				-			
General Observations							
General Marina Activity:	OBusy (>50 people)		OModerate (10-50 people)		Quiet (0-10 people)		
Topside boat	○Busy (>10 b	ooats)	OModerate (4-10		(Quiet (0-3 boats)		
maintenance activities:		operance.	boats)				
Water Quality:	Floatables		None	OTrash (⊗Foam /	○Sewage	
	Vegetation		None	QLimited	ONormal	(Excessive)	
	Odors		Y (N)		Notes (Slip#): 6.0 film along		
	Illicit Discharge		Y (N)		eastern side of main sto		
Weather: OSunny)Overcast	Rain last 72hrs:	Y (N')	Actual Rainfal	II: WA in	
Vessels Identified with I	Non-Conner Ba	int					
		Owner		Slip#	Paint	Info Verified? Y/N	
hone							
10.00					<u> </u>		



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
pone					
+1:					

Buisness	Slip #	Date	
none			





Marina:	Inspector:		Marina Co	ontact:		Date/Time:	
SIM	Annabelle		William Contact.			1/28/22 9:47	
Facility Check-In	111111111111111111111111111111111111111	And the	0			11/0/66	
Marina Manager Present?			Yes	No	Notes		
			0		-		
Marina has current Authorized Diver List?			Yes No		Notes		
Divers currently checked in:			Yes ((No Notes			
(List names/companies i				<u></u>	or as to a low as		
Diver Name:	e: Dive Company			Authorized	Slips Visited	Stated Purpose	
none							
				1			
					8		
General Observations	IO0	01-1	lov-1	/10 50	Ma : 10 +0		
General Marina Activity:	Busy (>50 people)		OModerate (10-50 people)		Quiet (0-10 people)		
Topside boat maintenance activities:	OBusy (>10 boats)		OModerate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables		None	○Trash	OFoam	OSewage	
	Vegetation Odors		None	OLimited	ONormal	()Excessive	
			Υ	(D)(2)	Notes (Slip#):		
	Illicit Discharge		Υ	(N)			
Weather: Sunny	Veather: ○Sunny ○Partly ○Overcast Cloudy		Rain last Y N 72hrs:		Actual Rainfall: in.		
Vaccale Identified with I		Daint					
Vessels Identified with Non-Copper Vessel Name		Owner		Slip#	Paint Info Verified? Y/N		
Nome							
Y BILL							

Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
none					

Buisness	Slip #	Date	
none			





Marina:	Inspector:		Marina Co	ontact:		Date/Time:
Mona Kai	Annabelle		Marina Contact.		1/28/22 8:5	
Facility Check-In	PWIND	MIC	-			1/20/22 0-3
Marina Manager Present	2		Yes	No	Notes	
mailia manager riesent			(ies)	NO	notes	
Marina has current Auth	orized Dive	er List?	Yes	No	Notes	
Divers currently checked	in:	202	Yes (No)		Notes	
(List names/companies in	n rows belo	ow)				
Diver Name:	Dive Company		75	Authorized	Slips Visited	Stated Purpose
none						
				-		
				-		
				-		
General Observations						
General Marina Activity:	⊝Busy (>	50 people)	Moderate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	⊝Busy (>	10 boats)	Moderate (4-10 boats)		Quiet (0-3	boats)
Water Quality:	Floatables	5	ONone	OTrash	⊗Foam	○Sewage
	Vegetatio	n	ONone	OLimited	ONormal	⊗Excessive
	Odors		γ	(N)	Notes (Slip#):	along eastern
	Illicit Disch	harge	Υ	(N)_	side of	main fingers,
Weather: Sunny	⊗Partly Cloudy	Overcast	Rain last 72hrs:	Y (N)	Actual Rainfa	II: NA in.
Vessels Identified with N	Von-Coppe	r Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N
none						



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
none					

Buisness	Slip #	Date	
none			





Marina: Half Moora	Inspector:		Marina Contact:			Date/Time: 1250
Facility Check-In						1117
Marina Manager Present	:?	(Yes	No	Notes	
Marina has current Auth	orized Dive	r List?	Yes	No	Notes	
Divers currently checked (List names/companies in		w)	Yes	No	Notes NO DIVERS TODA	
Diver Name:	Dive Comp			Authorized	Slips Visited	Stated Purpose
General Observations					N Ya	-
General Marina Activity:	OBusy (>	60 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>)	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables Vegetation Odors		None	○Trash	○Foam	○Sewage
the according to the control of the			None	OLimited	ONormal	()Excessive
			γ	(N)	Notes (Slip#):	
	Illicit Discharge		Y (N)			
Weather: Sunny	Cloudy Cloudy	Overcast	Rain last Y N 72hrs:		Actual Rainfall:	
Vessels Identified with I	Non-Coppe	Paint				
Vessel Name		Owner		Slip#	Paint Info Verified? Y/N	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
		-			

Buisness	Slip#	Date	
STAR MARINE	SIDE	NA	SIDE TIE MINDOCKE
LICHTHANE DIVING	165+127 Slip	10/14	sumed like bod
Preslay / Wiskin	123	1/14	, ,
STAR MARINE	668	12/7	
Poising/WESTERN	53	1/14	WILL WONDER



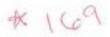


1/28/22 125	
and Stated Second	
ited Stated Purpose	
(0-10 people)	
(0-3 boats)	
Sewage	
al Œxcessive	
Slip#):	
ainfall: ir	
Paint Info Verified? Y/N	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	-				

Buisness	Slip#	Date	
Executive Yadnisen	102	(/14	
Star Marine Oxecutive Yacht	33	No Dare	
Checuture Yacht	34	1/14	
EtE	29	1/12	
EFE	33	1/18	
dmni	360	1/15	





Marina: Club	Inspector:		Marina Contact:			Date/Time: 1:20	
Facility Check-In						1.100	
Marina Manager Presen	t?	(Yes No Notes				
Marina has current Auth	orized Dive	r List?	Yes	No	Notes		
Divers currently checked in:			Yes	No	Notes	154	
List names/companies in rows below)			2		TEM		
Diver Name:	Dive Comp			Authorized	Slips Visited	Stated Purpose	
General Observations General Marina Activity:	OBusy (>	50 people)	_	ate (10-50	Quiet (0-10	0 people)	
Topside boat	OBusy (>:	10 boats)	people) OModerate (4-10		Quiet (0-3 boats)		
maintenance activities:			boats)				
Water Quality:	Floatables Vegetation Odors		⊘None	OTrash	○Foam	Sewage	
			⊗None	OLimited		OExcessive	
			Υ (Notes (Slip#			
	Illicit Disch		Υ	(N)			
Weather: OSunny	OPartly Cloudy	Overcast	Rain last Y N 72hrs:		Actual Rainfall:		
Vessels Identified with I	Non-Coppe	r Paint					
Vessel Name		Owner		Slip#	Paint Info Verified? Y/N		



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Receipt Tags observed on slips

Buisness	Slip#	Date	
SI DIVE SVC	AIO	1/7	metals:
Lighthouse	Bendt	e 1/27	metals
Hill Diving S!	DAG	12/15	
Agua Force	1500	IN NO DATE	
HUIL DIVING SO	A6	1/3	
HULL DIVING SD	エチ	12/12	
Cighthose	3	1/27	metels
,	14	1/27	metals
HOLL DIVING SO	II	12/12	

SI DIVE SUC H8

1/7

metale





Marina:	Inspector:		Marina Co	ntact:		Date/Time:
Bay Club	1.2	IL	Shel	lea		1/28/22 12
Facility Check-In	1		_			
Marina Manager Present	1?	10	Mes.	No	Notes	
Marina has current Authorized Diver List?			Yes	No	Notes	
Divers currently checked (List names/companies i		w) (Yes	No	Notes	
Diver Name:	Dive Comp		\sim	Authorized	Slips Visited	Stated Purpose
Diver Name.	Dive comp	any		Addionized	Ships Visited	Stated Parpose
James Tonkins	Weste	o Mari	CU.	Y	NA	ZING
General Observations						
General Marina Activity:	OBusy (>	0 people)	OModerate (10-50		Quiet (0-10 people)	
	100		people)			
Topside boat maintenance activities:	OBusy (>:	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		ONone	OTrash	OFoam	Sewage
HARMON PARTIES	Vegetation	1	ONone	OLimited	ONormal	○Excessive
	Odors		Υ	N	Notes (Slip#):	
	Illicit Disch	arge	Υ	N		
Weather: Sunny	OPartly Cloudy	Overcast	Rain last Y N 72hrs:		Actual Rainfall:	
Vessels Identified with I	Non-Coppe	Paint		y	15	
Vessel Name		Owner		Slip#	Paint Info Verified? Y/N	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Jernes	Moskin Whole	4	4	No-Zincs	N

Slip#	Date		
9	1127		
7	1/27		
3	1/24		
3 4	1/27		ğ
12	1/27		
1	1/27	Bash stops lateded?	1"
1	1/27	at the way last dock	ber
20	1/27		
	9 7 3 1 1	9 1/27 7 1/27 3 1/27 14 1/27 1 1/27 1 1/27	9 1/27 3 1/27 3 1/27 1 1/27 Both Stips Ideded in the very last died on





Marina;	Inspector:		Marina Co	ontact:		Date/Time:
Facility Check-In						11/21 - 1215
	+2		Yes	Alb/	Notes	
Marina Manager Present?		res	NA	Notes		
Marina has current Auth	orized Diver	List?	1 Contraction	No	Notes	
Divers currently checked (List names/companies in		w)	Yes	Nó	Notes 1/28	Latchelein
Diver Name:	Dive Comp			Authorized	Slips Visited	Stated Purpose
Diver Name.	Dive Comp.	arry		Authorized	Slips visited	Stated Purpose
General Observations			_			
General Marina Activity:	⊝Busy (>5	0 people)	Moderate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	○Busy (>1	0 boats)	OModerate (4-10 boats)		Quiet (0-3	boats)
Water Quality:	Floatables		None	()Trash	OFoam	Sewage
*	Vegetation	2	None	Climited	ONormal	()Excessive
	Odors		Y	N	Notes (Slip#):	-
	Illicit Disch	arge	Υ	R		
Weather: Sunny	OPartly	∆ overcast	Rain last	Y No	N⇒ Actual Rainfall:	
	Cloudy		72hrs:			i
Vessels Identified with	Non-Copper	processor and the second				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N
				1		



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
		_			
				J	

Buisness	Slip #	Date	



Marina:	Inspector	rlow	Marina C	ontact:		Date/Time:
Facility Check-In	1.15	/ IDW				11/21 - 0815
Marina Manager Present	-2		130	Ma	let e to e	188
		Y&	No	Notes		
Marina has current Authorized Diver List?		Yes	No	Notes		
Divers currently checked in:		Yes	100	Notes		
(List names/companies is		All of the last of		***		
Diver Name:	Dive Com	pany		Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity:	OBusy (>	50 people)	Moder people)	rate (10-50	Quiet (0-10) people)
Topside boat maintenance activities:	OBusy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3	boats)
Water Quality:	Floatables		None	()Trash	()Foam	OSewage
	Vegetatio	n	Wone	OLimited	ONormal	()Excessive
	Odors		Y	(N)	Notes (Slip#):	
	Illicit Disch	harge	Y TA		2000	
Weather: OSunny	OPartly Cloudy	Overcast	Rain last 72hrs:	_	Actual Rainfa	ll: in
Manager I densitied with a						
Vessels Identified with N Vessel Name	ion-coppe	_		en-4	Dolot	toto Maritto da Willia
vessei ivame		Owner		Slip#	Paint	Info Verified? Y/N
					S.	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	na				
12	Sec				

Buisness	Slip#	Date	
-			



Marina:	Inspector Botton		Marina Contact:			Date/Time:
Facility Check-In	1.5	7-100				110
Marina Manager Present	t?		Yes	帧	Notes	
Marina has current Authorized Diver List?		100	No	Notes		
Divers currently checked in: (List names/companies in rows below)		Yes	100	Notes		
Diver Name:	Dive Com			Authorized	Slips Visited	Stated Purpose
General Observations						
General Marina Activity:	OBusy (>	50 people)	people)		Quiet (0-10 people)	
Topside boat maintenance activities:	⊝Busy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		Mone	()Trash	○Foam	OSewage
	Vegetatio	n	None	OLimited	Normal	()Excessive
	Odors		Y	M	Notes (Slip#):	
	Illicit Disch	narge	y	COL	···otes (onpin)	56
Weather: Sunny	OPartly Cloudy	Oewercast	Rain last 72hrs:	Y D	Actual Rainfa	ill:
Vessels Identified with I	Non-Coppe	r Paint				
Vessel Name		Owner		Slip#	Paint Info Verified? Y/N	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Buisness	Slip #	Date		
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Marina: July	Insperior:		Marina Contact:			Date/Time: 1/29 - 1/00
Facility Check-In			(i)			
Marina Manager Present	?		Yes	No	Notes	
Marina has current Auth	orized Dive	r List?	Yes	No	Notes	
Divers currently checked in: List names/companies in rows below)		Yes	(NOC	Notes		
Diver Name:	Dive Company				Slips Visited	Stated Purpose
General Observations						
General Marina Activity:	OBusy (>5	60 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>1	(0 boats)	OModerate (4-10 boats)		ØQuiet (0-3 boats)	
Water Quality:	Floatables		None	()Trash	OFoam	○Sewage
	Vegetation		(None	OLimited	Normal	()Excessive
	Odors		Y	140-	Notes (Slip#)	:
	Illicit Disch	arge	Y	N	1	
Weather: Sunny	And in contrast of the last of	Overcast	Rain last Y No.		Actual Rainfall:	
Vessels Identified with I	Non-Copper	Paint	N.		ASC	
Vessel Name		Owner		Slip#	Paint	t Info Verified? Y/N
					1	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
35-27-2					

Buisness	Slip#	Date		
	0.00			
			_	
	70			
		_	_	
			_	







ized Diver List?	Yes	No	Notes	11/29
	337777	No	Notes	
	337777	0.23	0.53655	
	Yes			
1:	1	No	Notes	
Divers currently checked in: List names/companies in rows below)			Notes	
live Company	Authorized Sli		Slips Visited	Stated Purpose
⊝Busy (>50 people)	OModera people)	ite (10-50	Quiet (0-10) people)
Busy (>10 boats)	○Moderate (4-10 boats)		SQuiet (0-3 boats)	
loatables	None	OTrash	OFoam	○Sewage
/egetation	Mone	OLimited	ONormal	()Excessive
Odors	Y	AL.	Notes (Slip#):	
llicit Discharge	Y	R.	recoon tessions	
Partly Overcast			Actual Rainfall:	
Owner		Slip#	Paint	Info Verified? Y/N
Owner				
	Busy (>10 boats) loatables legetation Odors llicit Discharge Partly Overcast Cloudy	people) Busy (>10 boats) Cloatables Pegetation Odors Cloatables Partly Overcast Cloudy people) Modera boats) None Prone Prone Partly Overcast Cloudy Partly Overcast Cloudy Partly Overcast Cloudy	people) Busy (>10 boats) Contables Contab	people) Busy (>10 boats)



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	12				

Buisness	Slip#	Date	
	- 1		
	1		
	71 75		
			-
		1 1	





Marina:	Inspector:	0 1 1	Marina Co	ontact:		Date/Time:
SWYC	1.	Birlow				11/30-1000
Facility Check-In						
Marina Manager Present	t?		Yes	M	Notes	
Marina has current Auth	orized Dive	r List?	X94	No	Notes	
Divers currently checked in: List names/companies in rows below)			Yes	Na	Notes	
Diver Name:	Dive Com			Authorized	Slips Visited	Stated Purpose
Diver Hame.	Dive com	, and		Authorized	Janpa visited	Stated Fulpose
General Observations General Marina Activity:	○Busy (>	50 people)	C-1000000000000000000000000000000000000	ate (10-50	Quiet (0-10	O people)
Topside boat maintenance activities:	⊝Busy (>	10 boats)	people) Moderate (4-10		Quiet (0-3 boats)	
Water Quality:	Floatables	е.	boats)	()Trash	○Foam	Sewage
water Quanty.	The state of the s		None	OLimited	ONormal	()Excessive
	Vegetation		Y	-		
	Odors		Y	W	Notes (Slip#):	6
Weather: Asunny	Illicit Disci OPartly Cloudy	Overcast	Rain last 72hrs:	Y NO	Actual Rainfall:	
		720000	721113.			ir
Vessels Identified with I	Non-Coppe	-		lett_u	I notes	1-f- 11-12-12 U/N
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
4.7			, \		

Buisness	Slip#	Date	
			-1-



172

Notes Notes Slips Visited Stated Purpose	
Notes	
Notes	
19703	
Slips Visited Stated Purpose	
Quiet (0-10 people)	
Quiet (0-3 boats)	
Foam Sewage	
Normal Excessive	
Notes (Slip#):	
1	
Actual Rainfall:	
Paint Info Verified? Y/N	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
None					
, to the					

Buisness	Slip#	Date	



173

Marina: HUE MOON	Inspector Bolon		Marina Contact:			Date/Time: 1/31 - 1200
Facility Check-In	-		A			
Marina Manager Present	1?		Yes	04	Notes	
Marina has current Auth	orized Dive	r List?	YBS	No	Notes	
Divers currently checked		5	Yes	May	Notes	
(List names/companies i	n rows belo	w)				
Diver Name:	Dive Comp	any		Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity:	OBusy (>	50 people)	○Moder	ate (10-50	Quiet (0-10	D people)
Topside boat maintenance activities:	⊝Busy (>1	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables	89	None	()Trash	○Foam	Sewage
water equality.	Vegetation		None	OLimited	ONormal	()Excessive
	Odors		Y		Notes (Slip#):	
		arge	Y	N.	- Indica (ampar).	
Weather: Sunny	Illicit Discharge Partly Overcast Cloudy		Rain last 72hrs:	A AM	Actual Rainfa	ll:
Vessels Identified with I	Non-Copper	r Paint				
Vessel Name	1	Owner		Slip#	Paint	Info Verified? Y/N
vessel value		Owner		Super		The Value of The



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
					-
					-
					-

Buisness	Slip #	Date	
		_	
			A
		-	





Marina: Rev Club	Inspector:		Marina Contact:			Date/Time:	
Facility Check-In	15	100	-01			10	
Marina Manager Present	t?		FEW	No	Notes		
Marina has current Auth	orized Dive	r List?	Yes	No	Notes		
Divers currently checked in: (List names/companies in rows below)			Yes	Ad	Notes		
Diver Name:	Dive Comp	Annual Control of the		Authorized	Slips Visited	Stated Purpose	
General Observations							
General Marina Activity:	OBusy (>50 people)		OModerate (10-50 people)		@Quiet (0-10 people)		
Topside boat maintenance activities:	OBusy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables		None	()Trash	○Foam	Sewage	
	Vegetation	n	None	OLimited	Normal	OExcessive .	
	Odors		Y	K	Notes (Slip#):		
	Illigit Disch	narge	Y	MS /			
Weather: Sunny	Partly Overcast				Actual Rainfall:		
Vessels Identified with I		r Paint				in	
Vessel Name	топ-сорре	Owner		Slip#	Paint	Info Verified? Y/N	
				-			



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Buisness	Slip#	Date	
7			





Marina: Sher bate	Inspector.		Marina Contact:			Date/Time:
Facility Check-In						1/2/12/13
Marina Manager Present	?	53	Xes	No	Notes	
Marina has current Auth	orized Dive	r List?	XBS	No	Notes	
[[이 12] [[- 12] [- 1	Divers currently checked in: (List names/companies in rows below)			98	Notes	
Diver Name:	Dive Company			Authorized	Slips Visited	Stated Purpose
General Observations						-3
General Marina Activity:	OBusy (>50 people)		OModerate (10-50 people)		Quiet (0-10	O people)
Topside boat maintenance activities:	OBusy (>:	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	()Trash	○Foam	Sewage
	Vegetatio	n	None	OLimited		OExcessive .
	Odors		Υ	W	Notes (Slip#):	
	Illicit Disch	narge	Y	TAT		
Weather: OSunny	Cloudy	Overcast	Rain last Y N. 72hrs:		Actual Rainfall:	
Vessels Identified with N	10 = C 177.	r Paint				1
Vessel Name	- Sappe	Owner		Slip#	Paint	Info Verified? Y/N
	7					
		_		1		



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
					-
	-				

Buisness	Slip#	Date	Miles - Brand Blown an
			1
	1		



176

Marina: STAMA	Inspentali:		Marina Contact:			Date/Time:	
Facility Check-In			2000			101	
Marina Manager Present?			A. K.	No	Notes		
Marina has current Authorized Diver List? Divers currently checked in:			YEL	No	Notes Let Checkin 1/28		
			Yes	Ngjo			
(List names/companies in	The second secon	ALCOHOL: THE PARTY OF THE PARTY		- Consequence and the cons		Terror e	
Diver Name:	Dive Comp	any		Authorized	Slips Visited	Stated Purpose	
General Observations General Marina Activity:	⊝Busy (>5	60 people)	OModer	ate (10-50	Quiet (0-1	0 people)	
Topside boat maintenance activities:	⊝Busy (>1	(O boats)	OModerate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables Vegetation		None	()Trash	○Foam	Sewage	
			None		()Excessive		
	Odors		Y	W.	Notes (Slip#):		
Weather: Sunny	OPartly Overcast Cloudy		Rain last 72hrs:	YK	Actual Rainfall:		
Vessels Identified with I	Non-Coppe	Paint					
Vessel Name		Owner	#ha	Slip#	Pain	t Info Verified? Y/N	
		-17					



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Buisness	Slip#	Date	
			44.0
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17

Marina:	Inspector:	1	Marina Co	ontact:		Date/Time:	
Ma Kai	15	rlow				1/31 -0845	
Facility Check-In	_						
Marina Manager Present?			YES	No	Notes		
Marina has current Authorized Diver List?			Yes	No No		Notes	
Divers currently checked in: (List names/companies in rows below)			Yes	No	Notes		
Diver Name:	Dive Com	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW	Authorized		Cline Meltod	Stated Durance	
Diver Name.	Dive Com	рану	Addionzed		Slips visited	Stated Purpose	
Adriano	Wester	Western Marine		у	6-59/HS	B Zincs/Metus	
General Observations			lo				
General Marina Activity:	OBusy (>50 people)		OModerate (10-50 people)		Quiet (0-10 people)		
Topside boat maintenance activities:	OBusy (>10 boats)		OModerate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables		ONone	○Trash	○Foam	Sewage	
	Vegetation		ONone	OLimited	ONormal	()Excessive	
	Odors		γ	N	Notes (Slip#):		
	Illicit Discharge		Υ	N			
Weather: Sunny	OPartly Overcast		Rain last Y N 72hrs:		Actual Rainfall:		
		200					
Vessels Identified with I	Von-Coppe	-		letten.	Dalet	Info Verified? Y/N	
Vessel Name		Owner		Slip#	paint into verified		



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Oser	OMra	NO office	y	No, zines/retriaing	N
		-	1	1 gest	
				(1	

Buisness	Slip#	Date	-MB) 45 E	
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Marina: SDYC	Inspector: Annabelle		Marina Contact:			Date/Time: 2/1/22 9:15 a	
Facility Check-In			0				
Marina Manager Present?			Yes	No Notes			
Marina has current Authorized Diver List?			Yes	No	Notes		
Divers currently checked in: (List names/companies in rows below)			Yes	No	Notes		
Diver Name:	Dive Company		Authorized		Slips Visited	Stated Purpose	
none							
General Observations		-07	0-10-10-10				
General Marina Activity	: OBusy (>	OBusy (>50 people)		OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>	OBusy (>10 boats)		OModerate (4-10 boats)		⊗Quiet (0-3 boats)	
Water Quality:	Floatables		None	OTrash	○Foam	OSewage	
	Vegetation		⊗ None	OLimited	ONormal	OExcessive .	
	Odors		Υ	N)	Notes (Slip#):		
	Illicit Discharge		Υ	N)			
Weather: Sunny	©Partly Cloudy	Partly Overcast Rain		YN	Actual Rainfall:		
Vessels Identified with	Non-Coppe	r Paint					
Vessel Name		Owner		Slip#	Paint Info Verified? Y/N		
none							



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
none					
					0

Buisness	Slip#	Date		
None				
			,	



A STATE OF THE STA	Inspector		Marina Co	ontact:		Date/Time:
SWYC	Anna	belle				2/1/22 10:21
Facility Check-In			0		V-===	
Marina Manager Present	?		Yes	No	Notes	
Marina has current Authorized Diver List?		Yes	No	Notes		
Divers currently checked (List names/companies in		ow)	Yes (No	Notes V.C.	er checked in
Diver Name:	Dive Com			Authorized	Slips Visited	Stated Purpose
				- Meriorized	Silpo Fisited	Stated 1 di pose
none						
				-		-
					, — <u> </u>	
General Observations				-		
General Marina Activity:	○Busy (>	50 people)	OModerate (10-50 people)		Quiet (0-10	people)
	OBusy (>10 boats)		OModerate (4-10		Quiet (0-3 l	ooats)
Topside boat	OBusy (>	10 00415)	-		ME 001 CONT. CONT.	
maintenance activities:			boats)	○Trash	OFoam	OSewage
	Floatable	5	boats) None	○Trash ○Limited	○Foam ○Normal	Sewage Excessive
maintenance activities:		5	boats)	OTrash OLimited	ONormal	Sewage OExcessive
maintenance activities:	Floatable: Vegetatio	s n	boats) None None	Climited		THE RESERVE OF THE PARTY OF THE
maintenance activities:	Floatable: Vegetatio Odors Illicit Disci	s n	boats) None None Y Y Rain last	OLimited	ONormal	©Excessive
maintenance activities: Water Quality: Weather: Sunny	Floatable: Vegetatio Odors Illicit Disci Partly Cloudy	harge Overcast	boats) None None Y	OLimited N	Normal Notes (Slip#):	©Excessive
maintenance activities: Water Quality: Weather: Sunny Vessels Identified with N	Floatable: Vegetatio Odors Illicit Disci Partly Cloudy	harge Overcast	boats) None None Y Y Rain last	OLimited N N N N N N N N N N N N N N N N N N N	○Normal Notes (Slip#): Actual Rainfal	©Excessive
maintenance activities: Water Quality: Weather: Sunny	Floatable: Vegetatio Odors Illicit Disci Partly Cloudy	harge Overcast	boats) None None Y Y Rain last	OLimited N	○Normal Notes (Slip#): Actual Rainfal	©Excessive
maintenance activities: Water Quality: Weather: Sunny Vessels Identified with N	Floatable: Vegetatio Odors Illicit Disci Partly Cloudy	harge Overcast	boats) None None Y Y Rain last	OLimited N N N N N N N N N N N N N N N N N N N	○Normal Notes (Slip#): Actual Rainfal	©Excessive
maintenance activities: Water Quality: Weather: Sunny Vessels Identified with N	Floatable: Vegetatio Odors Illicit Disci Partly Cloudy	harge Overcast	boats) None None Y Y Rain last	OLimited N N N N N N N N N N N N N N N N N N N	○Normal Notes (Slip#): Actual Rainfal	Excessive I:
maintenance activities: Water Quality: Weather: Sunny Vessels Identified with N	Floatable: Vegetatio Odors Illicit Disci Partly Cloudy	harge Overcast	boats) None None Y Y Rain last	OLimited N N N N N N N N N N N N N N N N N N N	○Normal Notes (Slip#): Actual Rainfal	Excessive I:
maintenance activities: Water Quality: Weather: Sunny Vessels Identified with N	Floatable: Vegetatio Odors Illicit Disci Partly Cloudy	harge Overcast	boats) None None Y Y Rain last	OLimited N N N N N N N N N N N N N N N N N N N	○Normal Notes (Slip#): Actual Rainfal	Excessive I:



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Victor Pallanes	Omni	Yes	Yes	(A-C)	No

Buisness	Slip #	Date	
none			



Marina: La Playa	Inspector: Anna		Marina Co	ontact:		Date/Time: 2/1/22 10:250
Facility Checksh	1 WING	bale	1	52.200		2/1/22 10.20
Marina Manager Present	2		Yes (No	Notes	ed from BWYC
mornia manager r resem			103		wites views	A HOW DWIC
Marina has current Auth	Marina has current Authorized Diver List?		Yes	No	Notes	
Divers currently checked	in:		Yes /	No)	Notes	
(List names/companies in		w)	1.00		riotes	
Diver Name:	Dive Comp		_	Authorized	Slips Visited	Stated Purpose
General Observations			lou i	110.50		
General Marina Activity:	OBusy (>	50 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>1	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		(XNone	OTrash	○Foam	○Sewage
	Vegetation	1		OLimited	○Normal	(Excessive
	Odors		Ý	(N)	Notes (Slip#):	-
	Illicit Disch	arge	Υ	N	1	
Weather: OSunny	⊘ Partly Cloudy	Overcast	Rain last 72hrs:	Y (N)	Actual Rainfal	l: in.
Vessels Identified with N	lon-Copper	Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
none					

Buisness	Slip #	Date	
7.37.000,0			



Marina: SIM	Inspector:	belle	Marina Contact:			Date/Time: 2/2/22 1:13
Facility Check-In	11.1132		-			
Marina Manager Present?		Yes	No	Notes		
Marina has current Authorized Diver List?		r List?	Yes	No	Notes	
Divers currently checked	d in:		Yes	No	Notes	
(List names/companies i		ow)			0.000	
Diver Name:	Dive Com	pany		Authorized	Slips Visited	Stated Purpose
Ray Garcia	Rn	R ?		no	600	
General Observations General Marina Activity	: OBusy (>:	50 people)	⊠Moder	ate (10-50	Quiet (0-10	D people)
			people)			
Topside boat maintenance activities:	OBusy (>	10 boats)	Moderate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		⊗None	OTrash	○Foam	Sewage
	Vegetatio	n	⊘ None	OLimited	ONormal	○Excessive
	Odors		Y	N	Notes (Slip#):	
	Illicit Disch	narge	Y	(N)	1	
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y (N)	Actual Rainfall:	
Vessels Identified with	Non-Coppe					
Vessel Name	775	Owner		Slip#	Paint	Info Verified? Y/N
none						
					-	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
none					
1					

Buisness	Slip#	Date	
none			
	_	+	



Marina: Kona Kai	Inspector: Annabelle		Marina Co	ontact:		Date/Time: 2/2/22 12:15
Facility Check-In	1 1 1 1 1 1 1 1 1		-			
Marina Manager Presen	t?		Yes	No	Notes	
Marina has current Authorized Diver List?		r List? (Yes	No	Notes	
Divers currently checked (List names/companies i		ow)	Yes	No	Notes	
Diver Name:	Dive Comp	pany		Authorized	Slips Visited	Stated Purpose
Rafael Verdug	on	nni		Yes	C-6-F	Dive
Alonso Vargas	0	mni		Yes	C-6-F	Dive
General Observations General Marina Activity:	OBusy (>	50 people)		ate (10-50	Quiet (0-10	people)
Topside boat	OBusy (>	10 boats)	people) Moderate (4-10		Quiet (0-3 boats)	
maintenance activities:			boats)	TO* :	0.5	104
Water Quality:	Floatables		None	○Trash	○Foam	Sewage
	Vegetatio	n	ØNone	OLimited	ONormal (5)	○Excessive
	Odors	12500	Y	N N	Notes (Slip#):	
Weather: 🖔 Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y N	Actual Rainfa	II:
Vessels Identified with I	Non-Coppe	r Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N
none						
		3				



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
none					

Buisness	Slip#	Date	
omni	H-34	1/31/22	zincs, hull appears



Marina: 5 (b) Y C	Inspector: Annabelle		Marina Contact:			Date/Time: 2/3/22 8:20	
Facility Check-In	7.50			0		30	
Marina Manager Present	?		Yes (No)		Notes Arrived before manna opened		
Marina has current Authorized Diver List?			Yes	No	Notes		
Divers currently checked (List names/companies in		w)	Yes (No)	Notes	O	
Diver Name:	Dive Comp			Authorized	Slips Visited	Stated Purpose	
none							
			-				
General Observations	I	'Ala\	I Canada	110.50	Domint 10.10) name)	
General Marina Activity:	OBusy (>5	o people)	OModerate (10-50 people)		Quiet (0-10	people)	
Topside boat maintenance activities:	OBusy (>1	(0 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables		None	○Trash	○Foam	Sewage	
episte matterialismi	Vegetation	1	None	Climited	ONormal	○Excessive	
	Odors		Y	(M)	Notes (Slip#):		
	Illicit Disch	arge	Y (N)				
Weather: ÖŞunny	OPartly Cloudy	Overcast	Rain last Y N 72hrs:		Actual Rainfall:		
Vessels Identified with	Non-Coppe	Paint					
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N	
none							



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
none					

Buisness	Slip #	Date	
omni	D-54	2/1/22	zincs, hull appears
Omni	A:30	2/1/22	" "
		+	
			•



Marina:	Inspector: Annabelle		Marina Co	ontact:		Date/Time: 2/3/22 8:3
La Playa	Hrma	belle				2/3/22 8:3
Facility Check-In	2		Yes	No	Notes 16 -	wed dock
Marina Manager Present	ir.		Yes (No			swyc and
Marina has current Auth	orized Dive	r List? (Yes	No	Notes	
Divers currently checked (List names/companies in		ow)	Yes	No	Notes	
Diver Name:	Dive Com	pany		Authorized	Slips Visited	Stated Purpose
				1		1
				-		
General Observations						
	Opunit	FO naonial	Ottodon	to /10 FD	1000 ulas 10 10	I nacalal
General Marina Activity:	ORnzA (>	50 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	()Trash	○Foam	Sewage
water quanty.	Vegetatio		None	OLimited	ONormal	()Excessive
	Odors		Y	N)	Notes (Slip#):	
	Illicit Disc	narge	ly	N)	1	
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	YN	Actual Rainfa	ll: in.
Vessels Identified with I		r Paint				
Vessel Name	von-coppe	Owner		Slip#	Paint	Info Verified? Y/N
none						



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
none					

Buisness	Slip #	Date	
None			



Marina:		Inspector:		Marina Co	ontact:		Date/Time:	
SDY		Annak	selle				2/3/22 913	
Facility Ch					-			
Marina Ma	anager Present	?	(Yes	No	Notes		
Marina ha	s current Auth	orized Dive	r List? (Yes	No	Notes		
Divers currently checked in: (List names/companies in rows below)			Yes (Yes No Notes				
Diver Nam	A STATE OF THE PARTY OF THE PAR	Dive Comp			Authorized	Slips Visited	Stated Purpose	
none	,							
General O	bservations							
	larina Activity:	OBusy (>!	50 people)	OModerate (10-50 people)		Quiet (0-10 people)		
Topside bo	oat nce activities:	OBusy (>:	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)		
Water Qua		Floatables		⊗None	OTrash	OFoam	Sewage	
	100	Vegetation		⊗None	OLimited	Normal	(Excessive	
		Odors		Y	N	Notes (Slip#):		
		Illicit Disch	narge	γ	(N)	1		
Weather:	Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y (N)	Actual Rainfa	II: in.	
Vessels Id	entified with I		r Paint	10.		300		
Vessel Na	THE RESIDENCE OF THE PARTY OF T	- coppe	Owner		Slip#	Paint	Info Verified? Y/N	
			10					



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
none					

Buisness	Slip #	Date	
Omni	G-50	2/1/22	Zincs, hall appears
omni	F-71	2/1/22	Zines, I.
omni	F-66	2/1/22	11
Omni	E-101	2/1/22	Blink! Hall Cleaning
Omni	6-62	2/1/22	Sanity Hull cleaning







SWY C	1 1/	-,1	Marina Co	ontact:	121	Date/Time:
	L C	1	typ	DNT D	DSIC	25 10:45
8 8						16.19 - 2
Marina Manager Present?			Yes	No	Notes	
Marina has current Authorized Diver List?			Yes	No	Notes NO	Activity de 2/21
Divers currently checked in: (List names/companies in rows below)			Yes	No	Notes	1
Diver Name:	Dive Com		1	Authorized	Slips Visited	Stated Purpose
						Stated Fairpose
General Observations General Marina Activity:	OBusy (>	50 people)	∭Modera people)	ate (10-50	Quiet (0-10) people)
Topside boat	⊝Busy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
[1] [1] [1] [2] [3] [3] [4] [4] [4] [4] [4] [4] [4] [4] [4] [4	Floatables		ONone	10+ · · ·	1	Tot
maintenance activities:	Floatables	5	Ivone	()Trash	Roam	()Sewage
maintenance activities:						OSewage OExcessive
maintenance activities: Water Quality:	Vegetatio Odors	n	⊗None Y	○Limited	Notes (Slip#):	OExcessive .
maintenance activities: Water Quality:	Vegetatio	n	None	Climited	ONormal	©Excessive
maintenance activities:	Vegetatio Odors Illicit Disc Partly Cloudy	harge Overcast	None Y Y Rain last	OLimited W	ONormal Notes (Slip#):	©Excessive



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	6.				

Buisness		Slip #	Date	
OMNI		E26	213	Hull had falling
ts -		E-38	213	1/
No	OTHER	REC	ENT -	MGS



Marina: SDY C	Inspector:	at a	Marina Co	ntact:		Date/Time: 2/5 OALS	
Facility Check-In							
Marina Manager Present?			Yes	Yes No		l at gate	
Marina has current Authorized Diver List?			Yes	No	Notes	9	
Divers currently checked in: (List names/companies in rows below)			Yes	No.	Notes NO DA	1 on 2/5	
Diver Name:	Dive Comp	pany		Authorized	Slips Visited	Stated Purpose	
General Observations			KH				
General Marina Activity	Busy (>5	100	Modera people)	te (10-50	Quiet (0-10) people)	
Topside boat maintenance activities:	OBusy (>1		(Modera boats)	te (4-10	Quiet (0-3	boats)	
Water Quality:	Floatables		None	○Trash	○Foam	Sewage	
	Vegetation	1	Offine	OLimited	ONormal O	()Excessive	
	Odors		Y ((N) Notes (Slip		f):	
	Illicit Disch	arge	Υ (N			
Weather: Sunny	OPartly Cloudy	Overcast	Rain last Y N 72hrs:		Actual Rainfall:		
Vessels Identified with I	Non-Copper	Paint					
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N	

Many & setting of while I was there



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
		_			

Buisness	Slip#	Date	
Star Marine	4-12	DATE ON	
SUBH20	H-37	1/21	ON DIVE NO DETAILS
Sub H, 0	H+18	214	Hull looks clean
Omega	F-76	2 14	Try works dd-12/4?
Omni	F-71	211	Hull had fosting
Omni	F-46	21	Noted partial
BLUE MOON	F+13	2 4	Tooks clean
Star Muline	E-32	NOATE	Hard to tell seems
Ster Muin	E-87	The state of the s	Hull hed fosting
BILLE Mans	0-40	7/7	1,



Marina: 564C	Inspector:	Marina C	Annow	1	Date/Time:
	CAT	1 7	19mm	X	1045
Facility Check-In Marina Manager Present	12	Kyar	No	Notes	
marina manager rresem	LT.	Yes	NO	Notes	
Marina has current Authorized Diver List?		Yes	No	Notes	
Divers currently checked (List names/companies in		Yes	No	Notes No	cent Acti
Diver Name:	Dive Company		Authorized	Slips Visited	Stated Purpose
No	DIVERS	SIN(E	2/3	
General Observations					
General Marina Activity:	OBusy (>50 people)	OModer people)	ate (10-50	Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>10 boats)	(Moder boats)	ate (4-10	Quiet (0-3 boats)	
Water Quality:	Floatables	ONone	○Trash	⊗Foam .	OSewage
	Vegetation	ØNone	QLimited	ONormal	(Excessive
	Odors	Υ	(N)	Notes (Slip#):	Scon (organics
	Illicit Discharge	Υ	N		long E-Dock
Weather: Sunny	OPartly Overcast	Rain last 72hrs:	Y N	Actual Rainfa	II: J
Vessels Identified with a	Non Conner Baint			20-	
Vessels Identified with N			Clint	Balat	Info Varified? V/N
vessei ivame	Owner		211D#	Paint	inio verineor T/N
Vessel Name	Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Buisness	Slip#	Date	
Ster Marile	D-10	TAG DATE	HULL LUDGED FULTER
Omn,	D-17	2/1	ZINUS
	-	-	



Sec. Low College Co., Co., Co., Co., Co., Co., Co., Co.,	Inspector;	1	Marina Co			Date/Time:
Shelte Island	1	Ħ	V	my		1001
acility Check-In	With the same of t		0	0		
Marina Manager Present?		Yes	No	Notes		
Marina has current Auth	current Authorized Diver List?		Yes	No	Notes	
Divers currently checked List names/companies i		ow)	Yes	No	Notes Mo	Action on
Diver Name:	Dive Comp	ACCORDING TO THE RESIDENCE OF THE PERSON OF		Authorized	Slips Visited	Stated Purpose
N	ONE	E DI	verne	, Wt	HANC	
	- County	SO naonla)	OModer	nta /10.50	Outet (0.10	neonle)
General Marina Activity		50 people)	people)	ate (10-50	Quiet (0-10	
General Marina Activity Topside boat	: OBusy (>!	2230025005	people)	ate (10-50 ate (4-10	Quiet (0-10	
General Marina Activity Topside boat maintenance activities:		10 boats)	people) OModer		Quiet (0-3 t	ooats)
General Marina Activity Topside boat maintenance activities:	⊝Busy (>	10 boats)	people) OModer boats)	ate (4-10	Quiet (0-3 t end 1 SEpam ONormal	OSewage OExcessive
General Marina Activity Topside boat maintenance activities:	OBusy (>	10 boats)	people) OModer boats) None	ate (4-10	Quiet (0-3 t	OSewage OExcessive
General Marina Activity Topside boat maintenance activities:	OBusy (>	10 boats)	people) Moder boats) None None	ate (4-10 ○Trash ⊗timited	Quiet (0-3 t	Osewage
General Observations General Marina Activity Topside boat maintenance activities: Water Quality: Weather:	OBusy (>) Floatables Vegetation Odors	10 boats)	people) OModer boats) ONone ONone Y	ote (4-10 ○Trash ⊗timited	Quiet (0-3 t	Osewage OExcessive
General Marina Activity Topside boat maintenance activities: Water Quality:	OBusy (>) Floatables Vegetation Odors Illicit Disch OPartly Cloudy	10 boats) in harge Overcast	people) Moder boats) None None Y Rain last	OTrash Stimited	Quiet (0-3 tend) Sepam ONormal Notes (Slip#):	Osewage OExcessive Form along ordine Ship



Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	Company	Delicity of the control of the contr		In? Y/N what is reason for

Buisness	Slip #	Date	





Marina:	Inspector:	Marina Co			Date/Time: 2 6 9:50	
Kona Kal	PA	Wat			26 7.50	
Facility Check-In						
Marina Manager Present?		Yes	No	Notes		
Marina has current Author	Yes	No	Notes			
Divers currently checked	Yes	No	Notes 100 Siho	dires 2/3/22		
(List names/companies in			T			
Diver Name:	Dive Company		Authorized	Slips Visited	Stated Purpose	
General Observations		Iou-t	120.50	100 stat 10 11	2 manula)	
General Marina Activity:	()Busy (>50 people)	OModerate (10-50 people)		Quiet (0-10 people)		
Topside boat maintenance activities:	OBusy (>10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables	None	○Trash	○Foam	OSewage	
	Vegetation	None	Climited	ONormal	()Excessive	
	Odors	γ	(N)	Notes (Slip#)		
	Illicit Discharge	Y (N)				
Weather: Sunny	OPartly Overcast	Rain last 72hrs:	Y N	Actual Rainfa	ill: in	
Vessels Identified with I	Non-Copper Paint	di-		31		
Vessel Name	Owner		Slip#	Paint	t Info Verified? Y/N	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Buisness	Slip#	Date	





Marina:	Inspector: Raclow		Marina Contact:			Date/Time:
50/	1 13	Day 101	-			211 -0845
Facility Check-In	12		V	Me	Mater	
Marina Manager Presen	t?		Ves .	No	Notes	
Marina has current Auth	orized Dive	r List?	YES	No	Notes	
Divers currently checked (List names/companies i		nw)	Yes	M	Notes Lest	check-in 2/4
Diver Name:	Dive Com	THE REAL PROPERTY.	Olered	Authorized	Slips Visited	Stated Purpose
			a India			
General Observations	T-III.				-	
General Marina Activity:	○Busy (>	50 people)	Moder people)	ate (10-50	Quiet (0-10) people)
Topside boat maintenance activities:	OBusy (>	10 boats)	Moderate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	○Trash	○Foam	Sewage
	Vegetatio	n	None	OLimited	ONormal	()Excessive
	Odors		Y	N.	Notes (Slip#):	
	Illicit Disch	narge	Υ	N	1	
Weather: Sunny	OPartly Cloudy	Overcast	Rain last Y 72hrs:		Actual Rainfall:	
Vessels Identified with I	Non-Coppe	r Paint				
Vessel Name	3,774	Owner	WIII S	Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Hone					

Buisness	Slip#	Date	
A-1	41	1/28	





Marina:	Inspector		Marina Co	ontact:		Date/Time:
(rows	P	PROTON		Wallia Collect.		2/7-110
Facility Check-In		36 -	-			
Marina Manager Present?			Yes	No	Notes	
Marina has current Authorized Diver List?		er List?	V#S_	No	Notes	
Divers currently checked in: (List names/companies in rows below)		ow)	Yes	Ng	Notes Off	the closedydoor
Diver Name:	Dive Com		EJE	Authorized	Slips Visited	Stated Purpose
					WI COMPANY	
General Observations	0.00					
General Marina Activity	Busy (>	50 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	⊝Busy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3	boats)
Water Quality:	Floatables	5	None	()Trash	OFoam	Sewage
	Vegetatio		None	OLimited	Normal	()Excessive
	Odors		Υ	N	Notes (Slip#):	
	Illicit Disch	harge	Υ	N		
Weather: Sunny	OPartly Cloudy	Overcast	Rain last Y X		Actual Rainfall:	
Vessels Identified with	Non-Coppe	r Paint			A	
Vessel Name		Owner	A 25 34	Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Victor Pallares	OMni	AU, Ottice	y	NO, Zines	N
	aura)			

Buisness	Slip#	Date	





Marina:	Inspector	Schov	Marina C	ontact:		Date/Time:
Facility Check-In	1	X. 10 V				1115
Marina Manager Present?			Yes	No	Notes	
Marina has current Auth	orized Dive	er List?	Yes	No	Notes	
Divers currently checked (List names/companies i		nw)	Yes	M	Notes	
Diver Name:	Dive Com	and the same of th		Authorized	Slips Visited	Stated Purpose
						*:
					0	
General Observations						
General Marina Activity:	⊝Busy (>	50 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	○Busy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	○Trash	○Foam	Sewage
	Vegetatio	n	None	OLimited	ONormal	()Excessive
	Odors		Υ	Ni.	Notes (Slip#):	:
	Illicit Disch	narge	Υ	N		
Weather: Sunny	OPartly Cloudy	Overcast	Rain last Y 72hrs:		Actual Rainfall:	
Vessels Identified with I	Non-Conne	r Paint				in
Vessel Name	топ сорре	Owner		Slip#	Paint	Info Verified? Y/N
		1				



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Mne					
					-

Buisness	Slip #	Date	200-10-00-00-00-00-00-00-00-00-00-00-00-0
Lighthouse			





Marina: 100 ga Landing	Inspector:		Marina Contact:			Date/Time: 2/7 - 1130
Facility Check-In						11,00
Marina Manager Present?			Keit	No	Notes	
Marina has current Auth	orized Dive	r List?	Yes	No	Notes	
Divers currently checked (List names/companies i		ow)	Yes	Mg	Notes	
Diver Name:	Dive Comp	THE REAL PROPERTY.	144	Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity:	OBusy (>	50 people)	OModer	ate (10-50	Quiet (0-10	D people)
Topside boat maintenance activities:	OBusy (>:	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	○Trash	()Foam	Sewage
water quanty.	Vegetation		None	OLimited	Normal	()Excessive
	Odors		Y	NA	Notes (Slip#):	
	Illicit Disch	narge	Y	No.		
Weather: 🔊 Sunny	OPartly Cloudy	Overcast	1000		Actual Rainfa	II:
Vessels Identified with N	Non-Coppe	r Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N
*				+		



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
None					
	-				

Buisness	Slip#	Date	in the same of the
		-	
			+
	-	_	
		-	





Marina:	Inspector	Barlow	Marina C	ontact:		Date/Time: 2/7-1235
Facility Check-In					26	1 (23)
Marina Manager Present?			Yes	No	Notes	
Marina has current Authorized Diver List?			Yes	No	Notes	
Divers currently checked in: (List names/companies in rows below)			Yes No		Notes Office closed	
Diver Name:	Dive Com	pany		Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity:	Busy (>	50 people)	Ø₩oder	ate (10-50	Quiet (0-10	D people)
	Cousy (>30 people)		people)			
Topside boat maintenance activities:	Susy (>10 boats)		OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	○Trash	○Foam	Sewage
	Vegetation Odors Illicit Discharge		None	Climited	ONormal	OExcessive .
			Y	NS	Notes (Slip#):	:
			Υ	NE STATE OF THE ST		
Weather: Sunny	OPartly Overcast		Rain last Y 1/2 hrs:		Actual Rainfall:	
Vessels Identified with I	Non-Coppe	r Paint				
Vessel Name		Owner		Slip#	Paint Info Verified? Y/N	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Adriano C.	PPD		y	NO Zines	N

Buisness	Slip#	Date	
RPD	H		
OMV.			
PPD OMV: Lighthase			



Bry Oub	Inspector:		Marina Contact:			Date/Time:
Pacific Frack In			9.0	Sarlow		211
Facility Check-In Marina Manager Presen	+2		Wales	No	Mater	
Marina Manager Presen	Lr.		Yes No		Notes	
Marina has current Authorized Diver List?		Yes No I		Notes		
Divers currently checked in:		Yes No		Notes		
(List names/companies in rows below)		I A cab a closed		en 15 h 1 en 15		
Diver Name:	Dive Company			Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity	○Busy (>5	0 people)	OModera	ate (10-50	Quiet (0-10	people)
Topside boat maintenance activities:	OBusy (>10 boats)		OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	()Trash	()Foam	Sewage
	Vegetation		Mone	OLimited	Normal	()Excessive
	Odors		γ	M	Notes (Slip#):	50
	Illicit Discharge		Y	16	, and the same of	
	OPartly Overcast					
Weather: 🍑 unny			Rain last 72hrs:	Y W	Actual Rainfal	l:
Weather: 😂 unny Vessels Identified with I	OPartly Cloudy	Overcast	Rain last		Actual Rainfa	li:



Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	*			
	Company	In?	In? Y/N	In? Y/N what is reason for service?

Buisness	Slip#	Date	
		_	



Marina: Marina	Inspector Budov Mari		Marina Co	intact:	Date/Time: 1015	
Facility Check-In	- Mari	17.50				
Marina Manager Present?		Yes	No	Notes		
Marina has current Authorized Diver List?		vet-	No	Notes		
Divers currently checked (List names/companies in		sw)	Yes	No	Notes	
Diver Name:	Dive Comp		AS N	Authorized	Slips Visited	Stated Purpose
Alrano	PPD			y		zins
General Observations General Marina Activity:	OBusy (>5	60 people)	Modera people)	ate (10-50	Quiet (0-10	0 people)
Topside boat maintenance activities:	OBusy (>:	(10 boats)	Moderate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	○Trash	Foam	Sewage
	Vegetation	1	None	OLimited	ONormal	()Excessive
	Odors		Y	N-	Notes (Slip#)	:
	Illicit Disch	arge	Υ	N-		
Weather: 💮 unny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y	Actual Rainfa	ill:
Vessels Identified with I	Non-Coppe	Paint				
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Adriano /	Gentler PD	У	У	NO, Zines	No

Buisness	Slip #	Date	
19			



Marina:	Inspector:		Marina Contact:			Date/Time: 2/8 - 0900
Facility Check-In						1-10 0100
Marina Manager Present?			Yes No		Notes	
Marina has current Authorized Diver List?			Yes	No	Notes	
Divers currently checked in: (List names/companies in rows below)		Yes	N	Notes		
Diver Name:	Dive Com	-		Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity:	OBusy (>	50 people)		ate (10-50	Quiet (0-10) people)
Topside boat	OBusy (>	10 boats)	people) Moderate (4-10		Quiet (0-3	boats)
maintenance activities:	Floatables		boats)	IOT	05	100
Water Quality:			None	○Trash	○Foam	○Sewage
	Vegetatio	n	Mone	OLimited	○Normal	OExcessive .
	Odors	12570	Y	N7	Notes (Slip#):	
Weather: Sunny	OPartly Cloudy	Overcast	-	YK	Actual Rainfall:	
Vessels Identified with N	Von-Coppe	r Paint	W			
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
-lone					
Neve					

Buisness	Slip#	Date	III (FERIEX)
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Marina;	Inspector:	Bolow	Marina (Contact:	2	Date/Time:
Facility Check-In		Dara				2/8 - 1300
Marina Manager Presen	t?		Yes	ND	Notes	
			10			
Marina has current Auth	orized Dive	r List?	Yes	No	Notes	
Divers currently checked in: (List names/companies in rows below)		Yes	No	Notes		
Diver Name:	Dive Com	pany	and I re	Authorized	Slips Visited	Stated Purpose
V:OK	Own			V	A-D	Zins
				- L		
General Observations General Marina Activity:	○Busy (>	50 people)	○Mode	rate (10-50	Quiet (0-10) people)
			people)			
Topside boat maintenance activities:	OBusy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3	boats)
Water Quality:	Floatables		None	()Trash	○Foam	Sewage
	Vegetatio	n	None	OLimited	ONormal	OExcessive .
	Odors		Υ	N/A	Notes (Slip#):	
	Illicit Disch	narge	Υ	N		
Weather: 🕉 Inny	OPartly Cloudy	Overcast	Rain last Y N 72hrs:		Actual Rainfall:	
Vocanie Idantifia dist.		. Dalet				
Vessels Identified with I Vessel Name	von-coppe	Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Buisness	Slip#	Date		
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Marina:	Inspector:		Marina Co	ontact:		Date/Time:	
Silverbote Y.Borlow					12/8-1130		
Facility Check-In	2			-	Les constitutions and the second	NAME OF THE OWNER OWNER OF THE OWNER OWNE	
Marina Manager Present?		Yes	No	Notes			
Marina has current Auth	orized Dive	r List?	CV€s	No	Notes		
Divers currently checked in: (List names/companies in rows below)		nw)	Yes	Carlo Carlo	Notes		
Diver Name:	Dive Comp	Pitrolina and Pitrolina and P	-	Authorized	Slips Visited	Stated Purpose	
Diver Hame,	Dive comp	odity		Authorized	Silps visited	Stated Furpose	
			0	.*			
	<i>i</i> .						
General Observations	20.57						
General Marina Activity:	OBusy (>	50 people)	OModerate (10-50 people)		Quiet (0-10 people)		
Topside boat maintenance activities:	OBusy (>:	10 boats)	OModerate (4-10 boats)		Quiet (0-3	boats)	
Water Quality:	Floatables		None	Trash	Foam	Sewage	
water quanty.	Vegetation		None	OLimited	Normal	OExcessive	
	Odors		Y	39	Notes (Slip#)		
	Illicit Disch	narge	Y	N-	Notes (Shp#).		
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	Y &	Actual Rainfall:		
Vessels Identified with I	Non-Conne	r Paint					
Vessel Name	топ-сорре	Owner		Slip#	Paint	Info Verified? Y/N	
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Diver	Comp	any	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
	o: *					

Buisness	Slip#	Date	Constant seems and the
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Marina:	Inspector:		Marina Contact:			Date/Time:
Facility Check-In	-					1
Marina Manager Presen	t?		No No		Notes	
Marina has current Auth	orized Dive	er List?	15th	No	Notes	
Divers currently checked	in:		Yes Wo		Notes	
(List names/companies in rows below)				Sarate and a second		
Diver Name:	Dive Com	pany		Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity:		50 people)	people)	rate (10-50	Quiet (0-10	
Topside boat maintenance activities:	OBusy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	○Trash	○Foam	Sewage
	Vegetatio	n		ONormal	()Excessive	
	Odors		Υ	dN.	Notes (Slip#):	
	Illicit Disch	narge	Y		A 52	
Weather: Sunny	OPartly Cloudy	Overcast	Rain last Y N 72hrs:		Actual Rainfall:	
Vessels Identified with N	Von Conno	e Daint				in
Vessel Name	von-coppe	Owner		Slip#	Paint	Info Verified? Y/N
		4				



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
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Buisness	Slip#	Date	
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Marina:	Inspector:		Marina Contact:			Date/Time: 2/9 - 1215	
Facility Check-In			1				
Marina Manager Presen	t?		Yes	No	Notes		
Marina has current Auth	orized Dive	r List?	Yed	No	Notes		
Divers currently checked	in:		Yes	No-	Notes		
(List names/companies i		w)					
Diver Name:	Dive Comp		de .	Authorized	Slips Visited	Stated Purpose	
General Observations General Marina Activity:	○Busy (>	60 people)	○Moder	ate (10-50	@Quiet (0-10	D people)	
			people)		1		
Topside boat maintenance activities:	⊝Busy (>:	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)		
Water Quality:	Floatables	0	None	()Trash	○Foam	Sewage	
	Vegetation		None	OLimited	ONormal	()Excessive	
	Odors		Y	N)	Notes (Slip#):		
	Illicit Disch	arge	Y	A-	Trotes (Supay.		
Weather: Sunny		Overcast	Rain last 72hrs:		Actual Rainfa	ll: in.	
Vessels Identified with I	Non-Coppe	Paint					
Vessel Name		Owner		Slip#	Paint	Info Verified? Y/N	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Dre	31				

Buisness	Slip#	Date		
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Marina:	Inspector:	75 0	Marina Co	ontact:		Date/Time:
HUF MOON	K.B	rober				2/9
Facility Check-In			COVER -			
Marina Manager Present	?		Agá	No	Notes	
Marina has current Auth	orized Dive	r List?	APP	No	Notes	
Divers currently checked (List names/companies in		ow)	Yes	M	Notes	
Diver Name:	Dive Comp			Authorized	Slips Visited	Stated Purpose
		-3				
General Observations						1
General Marina Activity:	OBusy (>50 people)		OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	OBusy (>:	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables	8	None	○Trash	OFoam	Sewage
	Vegetation	n	None	e OLimited ONormal	Excessive	
	Odors		γ	X	Notes (Slip#):	
	Illicit Disch	narge	Υ	N	1	
Weather: Sunny	OPartly Cloudy	Overcast	Rain last Y XL 72hrs:		Actual Rainfall:	
Vessels Identified with N	Von-Coppe	r Paint				nor community
Vessel Name	4200	Owner		Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
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Buisness	Slip#	Date	
Executive Yout	102/97	2/3	
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Facility Check-In Marina Manager Present? Marina has current Authoriz Divers currently checked in: (List names/companies in ro Diver Name: Diver Name:		Yes Yes	No No Authorized	Notes Notes Notes	12/1 1045
Marina Manager Present? Marina has current Authoriz Divers currently checked in: (List names/companies in ro	ws below)	Yes	No Ng	Notes Notes	
Divers currently checked in: (List names/companies in ro	ws below)		M	Notes	
(List names/companies in ro	ws below)	Yes		1	
The state of the s	MATERIAL PROPERTY CONTRACTOR CONT		Authorized	Slins Visited	
Diver Name: Div	ve Company		Authorized	ISlins Visited	C+-+-1D
				Japa Visited	Stated Purpose
General Observations General Marina Activity:	Busy (>50 people)	Moder	ate (10-50	Q uiet (0-10) people)
		people)		(VQuiet (0-3 boats)	
Topside boat maintenance activities:	Busy (>10 boats)	○Moderate (4-10 boats)		Quiet (0-3	boats)
Water Quality: Flo	oatables	W None	○Trash	○Foam	○Sewage
Ve	getation	None	OLimited	○Normal	(Excessive
Od	lors	Υ	NC.	Notes (Slip#):	
100	cit Discharge	Υ	W		
	Partly Overcast	Rain last 72hrs:	Y KN	Actual Rainfall:	
Vessels Identified with Non	Conner Baint	11			i
Vessel Name	Owner	E 8	Slip#	Paint	Info Verified? Y/N



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
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Marina:	Inspector:	1	Marina Co	intact:		Date/Time:
SDYC	P. Bria State		N .			2/9 -0800
Facility Check-In				1.00		1
Marina Manager Present	17		Yes Mac		Notes	
Marina has current Auth	orized Dive	r List?	Yest	No	Notes	
Divers currently checked in:			Yes	No	Notes	
(List names/companies in	n rows belo	w)	niceSole.			
Diver Name:	Dive Comp	any	1	Authorized	Slips Visited	Stated Purpose
General Observations						
General Marina Activity:	OBusy (>5	60 people)	OModerate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	⊝Busy (>:	(O boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables	8	None	○Trash	Foam	Sewage
	Vegetation	1	None	OLimited	ONormal	()Excessive
	Odors		Υ	W	Notes (Slip#):	
	Illicit Disch	arge	Υ	作		
Weather: Sunny	OPartly Cloudy	Overcast	Rain last 72hrs:	A A	Actual Rainfall:	
Vessels Identified with N	Non-Coppe	Paint				
Vessel Name		Owner		Slip#	Paint Info Verified? Y/N	

		Company of the second second	
Ciold	Observations	of Discou	Activities
PIRIC	Observations	OI DIVER	ACTIVITY

Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
Dre					

Slip#	Date	
A-16	2/8	Portal Cleaning
A-17	7	
A-36	2/7	Pertial Cleaning
	A-16 A-17	A-16 2/8 A-17





Marina: Kona Kai	Inspector:		Marina Contact:			Date/Time: 2/9 09:15
Facility Check-In			S-X-		10 = 11	
Marina Manager Presen	t?		PAR'S	No	Notes	
Marina has current Authorized Diver List?			YA	No	Notes	
Divers currently checked in: (List names/companies in rows below)			Yes	MA	Notes	
Diver Name:	Dive Comp		1	Authorized	Slips Visited	Stated Purpose
General Observations General Marina Activity:	OBusy (>	50 people)	OModer	ate (10-50	Quiet (0-10	0 people)
Topside boat maintenance activities:	⊝Busy (>	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		ONone	()Trash	()Foam	Sewage
10000,00000000000000000000000000000000	Vegetatio	n	None	OLimited	Normal	Excessive
	Odors		Υ	q	Notes (Slip#):	
Weather: Ounny OPartly Overca		Overcast	Rain last 72hrs:	A MCY	Actual Rainfall:	
Vessels Identified with I	Non-Coppe	r Paint				in
Vessel Name		Owner	= 3	Slip#	Paint Info Verified? Y/N	



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N
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Marina: ST Mann	Inspector:		Marina C	ontact:		Date/Time: 2/9 1300
Facility Check-In		the collection of the collecti	-			
Marina Manager Presen	t?		Yes	No	Notes	
Marina has current Authorized Diver List?			Yed	No	Notes	
Divers currently checked in: (List names/companies in rows below)			Yes	Ng	Notes	
Diver Name:	Dive Com			Authorized	Slips Visited	Stated Purpose
General Observations						
General Marina Activity:	○Busy (>	50 people)	Moderate (10-50 people)		Quiet (0-10 people)	
Topside boat maintenance activities:	○Busy (>:	10 boats)	OModerate (4-10 boats)		Quiet (0-3 boats)	
Water Quality:	Floatables		None	()Trash	Foam	Sewage
7.000-2002.7508800007#875	Vegetation		None	OLimited	Normal	()Excessive
	Odors		Y	N.	Notes (Slip#):	
	Illicit Disch	narge	Y	N		
Weather: Sunny	OPartly Cloudy	Overcast			Actual Rainfall:	
Vessels Identified with N	Von-Coppe	r Paint				
Vessel Name		Owner	_		Paint Info Verified? Y/N	
=						



Diver	Company	Checked- In?	Authorized Y/N	Conducting IWHC? If no, what is reason for service?	Citation Issued? Y/N

Buisness	Slip#	Date	
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APPENDIX B

WATER QUALITY MONITORING FIELD DATA SHEETS AND QA CHECKLISTS

WATER QUALITY MONITORING FIELD DATA SHEETS

Sample Date: 1/22/2/	Pre-IWHC Pause (4 weeks)	□ IWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 week
Weather Conditions: profly cloudy, nostly so			
Surface Water Conditions: calm, no wind C st	hat the		

General Observations/Notes: recently do cumented moderate red tide event

Station ID	Sample Time	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
C-REF- 2-WI	0745	16.1	34.17	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	sunny, calm
C-REF-1	0815	16.0	34.17	☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	pavily cloudy, calm
C-12/ SIYB-5	0835	16.9	34.28	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	partly cloudy, calm
C-10-	0855	17.0	34.23	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	Partly cloudy, calm. Floatable debnis/ sheen observed ~100-150m from sample location
C-11-	0910	16.8	34.22	☐ Yes ☐XNo If yes, note approximate distance and direction from site in "Site Observations."	partly cloudy, calm. Floatable debris/sheen observed on surface at sample location (see photo.) Vis ~5ft MS/MSD sample
C-11- DUP-W 1	0925	16.8	34.24	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	Same notes as above. Separate grab for field duplicate
C-9-	0940	17.0	34.27	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	Some floatable debris/ sheew observed on swearch at sample location. Vis ~6-7ft.

Sample Date: 11/22/21	Pre-IWHC Pause (4 weeks)	☐ IWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks)
Weather Conditions: pany dovdy/ mostly	-suny, calm		
Surface Water Conditions: Carm, no und	<u> </u>		
General Observations/Notes:			

Station ID	Sample Time	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
C-8-W1	0955	17.1	34.24	☐ Yes ☒No If yes, note approximate distance and direction from site in "Site Observations."	Some floatable debnis johnen in water may be organic) atta on surface at sample location.
C-7-W	1010	17.3	34.36	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	Topside cleaning observed ~50m SE of sampling location, vis ~10ft.
C-5-W1	1025	17.2	34.28	☐ Yes ► No If yes, note approximate distance and direction from site in "Site Observations."	Vis ~8ft.
C-1-WI	1045	H.3	34.29	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	Vis ~4-5ft.
				☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
				☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
				☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	

Sample Date: 11/22/2021	Pre-IWHC Pause (4 weeks)	□ IWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks)
Weather Conditions: mostly sunny, light breeze	, no rain in prior Zwe	reks	
Surface Water Conditions: calm, lots of debris			
General Observations/Notes: recently documented	red tide event		

Station ID	Sample Time	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
FB	Q 7 30	N/A	7/A	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	Field blank collected at transient dock
ER	0745	2/2	N/A	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	Equipment rinse collected at transient dock
C-13	0805	8.01	33.5	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	Calm, moderate debris inwater on surface, appears to be an algal bloom
0	0910	17.2	33.8	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	calm, moderate debris in water on surface, appears to be an algal bloom, collected from corner of dock near SIYB-2
C-4	0945	17.3	33.9	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	Calm, moderate debris/plank ton on surface
C-3	1025	17.5	34.0	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	Calm, minimal debris/plankton
C-2	1105	17.5	33.9	☐ Yes ☒No If yes, note approximate distance and direction from site in "Site Observations."	calm, moderate debris on surface

Sample Date: 11/30 2021	Pre-IWHC Pause (4 weeks)	☐ IWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks
Weather Conditions:	cleaning & mostly su	nny by 0900.	

General Observations/Notes:

Station ID	Sample Time	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
C-Ref-2	0755	16.4	33.0	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	UZ-17'
C-Ret-1	0810	16.3	33.2	☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	viz - 18'
E20-WZ	0830	16-7	33.1	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	VIZ - 17'
C-12-W2	- 0840	16.7	33.4	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	Viz-17' Topside Cleaning observed -40m SSE
E-19	0855	16.7	33.4	☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	Viz - 101
C-10	0905	16.8	33.5	☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	Some film on surface
Č-11	0917	16.7	33.6	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	Viz-4'-4.5' Slight sheen on swfale, may be dust (deephoto)

Sample Date: 11/30/2021	Pre-IWHC Pause (4 weeks)	□ IWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks)
Weather Conditions: fogy, calm law	ny. cleaning + mostly sunny by	<i>691</i> 0.	
Surface Water Conditions:mostly cal	lm		
General Observations/Notes:			

Station ID	Sample Time	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
C-9	0935	16.9	33.6	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	VIZ-9'
C-8	0945	16.9	33.6	☐ Yes	VIZ-11'
C-7	0955	16.9	33.6	☐ Yes ☐ No ➤ If yes, note approximate distance and direction from site in "Site Observations."	VIZ-131 * Hull cleaner observed driving vessel to SDYC (see photo)
E-17	1007	17.0	33.7	☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	Viz-11' Topside cleaning/maintenance obsence ~70m S.+ ~10m N
C-5	1018	17.0	33. 7	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	VIZ-11' Topside cleaning/maintenance observed -20m NE +40m E+-12m E
C - 1	1030	17.0	33.8	☐ Yes ဩNo If yes, note approximate distance and direction from site in "Site Observations."	viz-7.5' Hull cleaner observed ~ 100 m N, no cleaning observed during sampling. Topside Cleaning (washing) ~70m NW
				☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	

Sample Date: 11/30	12021		Pre-IV	VHC Pause (4 weeks)		Pause (8 weeks)	☐ Post-IWHC Pause (4 week
Weather Conditions:	overcast + slightly	foggy in	morning	, clouds + fog bu	ned off b	4 0900; sunny	+ light breeze
Surface Water Condit	ions: <u>calm</u>		-		· .		
General Observations	s/Notes:		•				

Station ID	Sample Time	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
FB	0740	NIA	N/A	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	Field blank collected @ transient dock
N8-ER	0750	NIA	NIA	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	Equipment vinse collected & transient dock
C-13	0812	16.4	34.22	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	Visibility: 10'2"
E-18	0915	16.7	34.27	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	Minimal debris on surface Extra volume collected for MS/MSD
E-18-Dup	0930	16.7	34.27	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	Visibility: 11'10" Separate grab collected from site E-18 for field duplicate
C-19	0945	16.7	34.25	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	Visibility: hit bottom @ 14'2" To pside maintenance ~ 75 yards S + 50 yards NE
E-16	1020	16.9	34.29	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	Visibility: 10'8" Topside maintenance a 25 yds E

Sample Date: 11/30/2021	Pre-IWHC Pause (4 weeks)	☐ IWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks
Weather Conditions: Sunny + clear in a	afternoon; light breeze; wind	d picked up @ 1130	(~ 5-10mph)
Surface Water Conditions: <u>calm</u> , clear;	surface ripples when wind pic	ned up ~ 1130	·
General Observations/Notes:		,	

Station ID	Sample Time	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
C-4	1040	16.8	34.36	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	Visibility: 11'6"
E-15	1115	17.0	34.35	Yes □ No If yes, note approximate distance and direction from site in "Site Observations."	Usibility: 10'6" INHE ~ 75 yds NE + ~ 75 yds W (miss Daniell) Topside maintenance ~ 25 yds E
C-3	1135	17.2	34.26	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	Visibility: 9'0" Topside cleaning/ ~ 40yes NE Maintenance
E-14	1210	17.0	34.27	Yes □ No If yes, note approximate distance and direction from site in "Site Observations."	Visibility: 6'6" IWHC ~ 60-70 yas NNW Topside maintenance ~ loyds S. + ~ Soyds W
C-2	1230	17.2	34.32	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	Visibility: 8'6" Topside maintenance ~ 30yds ESE
				☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
				☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	

Sample Date: 12/7/21	☑Pre-IWHC Pause (4 weeks)	☐ IWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 week
Weather Conditions: overcast, breezy (0800)	. Light rain beginning	@ 0930	
Surface Water Conditions: Sur Ave Askhire			

General Observations/Notes: WD meter calibrated @ 0755 W/ 50,000 MS/cm standard, compared to ProDSS#2. At transient dock, meters compared. ProDSS#1. 33.3 ppt ProDSS#2: 34. 8 33.5 ppt

Station ID	Sample Time	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
CREF2	0815	15.8	33.4	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	VIS - 18'10" cloudy, breezy
CREFI	0830	15.0	33.4	☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	Vis - 20'
C-12	0845	16.2	33.5	☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	VIS-131
C-10	0905	16.3	33.5	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	Vis-9'10" Extra volume for ms/msD
C-10-	0915	16.3	35.5	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	VIS - 9'10" Separate grab collected for duplicate
C-11	0935	16.2	33.5	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	Vis ~ 6'
C-0	0945	16.2	33.5	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	Visual Sec phóto

Sample Date: 12/7/2021	Pre-IWHC Pause (4 weeks)	□ IWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks)
Weather Conditions: <u>Cloudy</u> , <u>light rain</u>	light breeze (5-6K	· 15 S)	
Surface Water Conditions:			
General Observations/Notes:			,

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
C-00	10:00	9'	16.3	33.5	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	Visn91 Lightrain
1-7	10:15	12'	16.3	33.5	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	light rain one pump-out boat observed ->504C, one to SWYC
C-5	10:25	81	16.3	33.5	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	Light rain
C-1	10:40	5.5'	16.4	33.5	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	Light rain sightly dark filter
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	

Sample Date: \2/07/2021	✓ Pre-IWHC Pause (4 weeks) ☐ IWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks)
Weather Conditions: overcast & breezy; light	rain starting at 0930	· · · · · · · · · · · · · · · · · · ·
Surface Water Conditions: Small ripples		<u> </u>
General Observations/Notes:		

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
FB	0810	NIA	N/A	NA	☐ Yes ☒No If yes, note approximate distance and direction from site in "Site Observations."	collected at transient dock
N3-ER	0825	N/A	24	NIA	☐ Yes ☒No If yes, note approximate distance and direction from site in "Site Observations."	collected at transient dock
C-13	0850	14,0,,	16.0	33.23	☐ Yes ☒️No If yes, note approximate distance and direction from site in "Site Observations."	having out + draining sunken dinghy at Harbor Police Dock
6-6	0925	11'6"	16.4	33.32	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	Oil click on surface near sampling location (see photo); light rain during sampling; topside cleaning a maintenance ~ 50 yds sw; recont topside teaning ~ 10 yds = (scapulator)
C-4	1000	8' 7"	16.4	33.26	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	light rain during Sampling
C-3	1030	63	16.5	33.34	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	light rain of uring Sampling
C-Z	1100	5` 2"	16.5	33.28	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	light rain during sompling; IWHC ~ 20yds S

week 4

Sample Date: 12/13/2021	7 Pre-IWHC Pause (4 weeks)	□ IWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks
Weather Conditions: Cloudy, Cal M			
Surface Water Conditions: Light texture			
General Observations/Notes: pre-storm campling	4		

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
CREF2	0905	19 '	15.6	34.2	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	Observed hull Oleaner departing transient dock @ -0855
CREF 1	0920	20	15.6	34.2	☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	
E20	0948	141	15.6	74.2	☐ Yes	1) deck change 50' west of site + 2) resing both 75' SE of site extens volume for ms/msD
E ZO DUP	0945	14	15.6	24.2	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	separate grab for duplicate
C-12	1005	11.5	15.6	34.2	☐ Yes	2 Mull cleaners observed on dock @ 1000 in water @ 1010 200' south of site
E-19	1025	6.5'	15.5	342	☐ Yes ☐No If yes, note approximate distance and direction from site in "Site Observations."	Sheln observed on wan surface, some organic desuis
C-1b	1030	8,0	15.6	34.2	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	Not sampling 10 contion

week 4

Sample Date: 12/13/51	Pre-IWHC Pause (4 weeks)	□ IWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks
Weather Conditions: ralm closely overcas	<i>st</i>		
Surface Water Conditions:			
General Observations/Notes: pre-storm Sam	pling		

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
C-11	1050	7.01	15,4	34.1	☐ Yes ☑No If yes, note approximate distance and direction from site in "Site Observations."	
C-9	1100	9.0	15.6	34.2	☐ Yes ♠No If yes, note approximate distance and direction from site in "Site Observations."	
c-8	1115	8.0'	15.6	34-2	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	
C-7	1/30	9.01	15.7	34.2	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
E-17	1196	8.01	15.7	34.2	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
C-5	1150	7.5	15.7	34.2	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	
C-1	1210	6,0'	15.7	342	☐ Yes ♠No If yes, note approximate distance and direction from site in "Site Observations."	boat maintanaire, topside 50' swell site

Sample Date: <u>\2/13/202\</u>	Pre-IWHC Pause (4 weeks)	☐ IWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks)	
Weather Conditions: overcast, light breeze				
Surface Water Conditions: <u>Calm</u>				
General Observations/Notes: pre-storm sampling	و			

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
FB	0840	NIA	NIA	NIA	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	Collected & transient dock
N8-ER	0855	NA	NIA	NIA	☐ Yes X No If yes, note approximate distance and direction from site in "Site Observations."	collected e transient dock
C-13	0920	10'10"	15.7	34.25	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
E-18	0950	8`6`	15.8	34.20	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
C-6	1005	11'5"	15.8	34.25	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	hose leaking ~ 10 yds from sampling location (may be freshwater)
E-16	1030	4'7"	15.6	34.26	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	some debris on surface; relatively (ourisibility
C - Y	1045	(g) 4"	15.8	34.25	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	. •

Sample Date: 12/3/2021	Pre-IWHC Pause (4 weeks)	☐ IWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks)
Weather Conditions: overcast, light breeze		· · · · · · · · · · · · · · · · · · ·	
Surface Water Conditions:			
General Observations/Notes: pre-storm sampling	·		

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
E-15	1110	3`7"	15.9	34.26	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
C-3	1125	3`8"	15.9	34.25	Yes □ No If yes, note approximate distance and direction from site in "Site Observations."	INHC ~ 204ds NNE; topside cleaning(powerwashing) ~ 504ds S
E-14	1155	3`8"	12.8	34.25	☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	brub orf u polyge m
C-2	1205	5'6"	15.8	34.23	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	
			,		☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
·					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	

Week 4 Storm

Storm Event

Sample Date: 12/14/2021	☑ Pre-IWHC Pause (4 weeks)	☐ IWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks
Weather Conditions: _overcast, windy, rainy	₹*W		
Surface Water Conditions: receiving water brown	+ turbid		
General Observations/Notes: Storm water	sampling		

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
0F-1	1320	N/A	15.8	0.07	☐ Yes ☒ No ⋈ A If yes, note approximate distance and direction from site in "Site Observations."	30 inch pipe + 2 in. water sample is slightly cloudy brown out serliment + particulates
0F-2	1355	NIA	15.1	0.12	☐ Yes ☒ No ې 戶 If yes, note approximate distance and direction from site in "Site Observations."	co. oft pipe a Jin. water sample is slightly cloudly brown wheatimently particulate
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	

Sample Date: 12 15 2	021	Pre-IWHC Pause (4 weeks)	□ IWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks
Weather Conditions:SU	nny, calm			
Surface Water Conditions:	light texture	Someorphic debns or	n sutace	
General Observations/Notes:	Significant Stopm	event occurred on 12/14.	ь	

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
CREF2	09/8	8	14.9	33,56	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
CREFI	0820	9'	14.9	33,58	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
C-12	0855	10'	14.7	33.16	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
C-10	0910	81	14.6	32.99 32.8Hsn	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
C-//	0925	9'	14.6	33.16 (33.09 SUF)	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	patchy scum on surface (see photo)
C-9	0945	8.5"	14.5	32.97 (32.97 supp	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
6-8	1000	9.01	14.9	33.13 (33.03) surt	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	

WEEK 4 Storm

Sample Date: 12/15/21	Pre-IWHC Pause (4 weeks)	☐ IWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks)
Weather Conditions:			
Surface Water Conditions: light surf rypks	22Kz		
General Observations/Notes: Signstrum event	on 12/14		* .

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
C7-	1015	91	15.2	33.20 /33.10 Surface	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
C5	1030	10	15.1	33,07 (32.92) Surt.)	☐ Yes	
C1	1045	61	15.4	33.43 33.13 33.31 Surf.		Slight NW freeze 2-3Ks (upwell:) Hull cleaner observed -50 VAS #W of SAMPLE
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	Hull cleaner observed ~50 yas #W of sample location. Sample collected prior to Cleaning. Additional cleaners potted ~100yds NW of sample location post- collection
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	collection.
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	

WOCK 4 Storm

Post-Storm

PORT OF SAN DIEGO IN-WATER HULL CLEANING PAUSE PILOT STUDY

Sample Date: 12/15/21	Pre-IWHC Pause (4 weeks)	☐ IWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks)
Weather Conditions:			. ′
Surface Mater Conditions: Colm		•	

General Observations/Notes: 1.09 in ches of rain on 12/14; collected storm water from OF-1 + OF-2 on 12/14~1300 Surface salinity ranged from 32.7-32.9

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
FB	0750	NIA	NIA	NIA	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	Collected at transient dack
N3-ER	0805	NIA	NIA	Alu	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	collected at transient dock
C - 13	0830	10,+0,,	15-1	33.3	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
C-6	09 05	9'8"	15.0	33.0	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	topside maintenance a cleaning ~10yd N + ~20yd NNE organic debris on surface (leaves etc) from storm; **tra volume for MS/MSD
C-10-Dup	0915	9'8"	15.0	33.1	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	some as above Separate grab conferted for duplicate
C-4	0955	9'6"	15.2	33.1	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	organic debris on surface
C-3	1030	7`5"	15.3	33.1	Yes □ No If yes, note approximate distance and direction from site in "Site Observations."	INHC ~ 40 YAS SE

week y Storm

Post-Storm

Sample Date: 12/15/2021	Pre-IWHC Pause (4 weeks)	☐ IWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks
Weather Conditions:	<u> </u>		
Surface Water Conditions:			
General Observations/Notes: 1-09 in ches of rais	on 12/14; corected st from 32.7 to 32.	dorn water tom Of	-1 40F-2 on 12/14

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
C-2	1105	77"	15.5	33.2	☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	Topside cleaning ~ 307ds W
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
,					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	

Sample Date: 12/20/21 -W.5	☐ Pre-IWHC Pause (4 weeks)	MIWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks
Weather Conditions:			
Surface Water Conditions: Cn (m C 0920			
General Observations/Notes:			

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
CREF 2	0930	22	14.8	34.15	If yes, note approximate distance and direction from site in "Site Observations."	Mor e
CREF 1	6945	201	14.7	34.14	☐ Yes ☐-No If yes, note approximate distance and direction from site in "Site Observations."	/1 × 1 ×
CIZ	0955	18	H. G.	34.14	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	Mine
C10	1010	11	15.0	34.09	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	nine, dolphin trainers next to
0//	1020	10,0	14.7	34.02	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	dusty rurface water, some small
e 9	1030	11.0	15.0	34.06	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
C8	1040	9.10	15.0	34.09	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	

week 5		IN-WATER HULL	PORT OF SAN DIEGO CLEANING PAUSE PILOT STUDY
Sample Date: 12/20/28	☐ Pre-IWHC Pause (4 weeks)	WHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks
Weather Conditions: Sumy, Calm C 1050			
Surface Water Conditions:	4		
General Observations/Notes: no divers all	stations.		

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
07	1050	12.0	15.0	34.09	☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	Ine
Cle	1100	13.5	15.0	34.08	☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	no access a marina, sompled from
C 5	1115	10.0	15.3	34.08	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	one vessel performing to posite deming 75 north of site
CI	1130	7'	15.1	34.08	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	slight breeze @ 1120 2-3 knot r MIS surface dooning 500' north
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
			1		☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	

Sample Date: 12/20/2021	☐ Pre-IWHC Pause (4 weeks)	X IWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks)
Weather Conditions: _ sunny, clear, light breeze			
Surface Water Conditions: calm + clear			
General Observations/Notes:			

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
FB	0855	NIA	NIA	NIA	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	collected @ transient dock
N8-ER	0905	NA	NA	NA	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	collected @ transient dock
C-13	0930	14, 8,,	15.0	33.7	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	
C-4	1010	7'9"	15.1	33.6	☐ Yes ☒No If yes, note approximate distance and direction from site in "Site Observations."	sampled C-4 before C-6 because marina manager was out of office; hull cleaner observed outside marina
C-6	_				☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	Clo sampled by boot team due to site access issues; maning manager out of office on two attempts
C-3	1020	5'4"	15.1	33. <i>Q</i>	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
C-3-Dup	1100	5'4"	15.1	33.6	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	

Sample Date: 12/20/2021	☐ Pre-IWHC Pause (4 weeks)	☐ Post-IWHC Pause (4 weeks)
Weather Conditions: Sunny clear, light breeze	i ·	
Surface Water Conditions: clear_		
General Observations/Notes:	İ	

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
C-2	1130	٥١٦	15.1	33.6	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
			-		☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
:					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	

Sample Date: 12/28/21	☐ Pre-IWHC Pause (4 weeks)	WHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks
Weather Conditions: cloudy - pt cloudy,	c··/		
Surface Water Conditions: which is KATE	w/wa		
	<u> </u>		

General Observations/Notes:

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
CKEF2	0845	17.0	19.7	33.57	☐ Yes ♠ No If yes, note approximate distance and direction from site in "Site Observations."	
CREF!	0855	18.5	14.6	33.34	☐ Yes Æ No If yes, note approximate distance and direction from site in "Site Observations."	
E-20	0910	14.5	14.7	33.2/	☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	some deck e leaning 50' to SW of site
C-12	0920	15.5	14.6	33.20	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
E-19	0945	9.5	14.7	33.19	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	person spotted walking duck w/ deaning equipment (topside).
C-10	0955	7.0	14.8	33.26	☐ Yes ♠No If yes, note approximate distance and direction from site in "Site Observations."	
C-11	1005	9.0	14.6	33.18	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	·

- & l'une

Wolk 6

Sample Date: <u>12/28/21</u>	☐ Pre-IWHC Pause (4 weeks)	(iWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks
Weather Conditions: of cloudy sunsy			
	with 3.4 kg NN/N		
General Observations/Notes:	,		

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
C9	1015	8.5	15.0	33.26	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
C8	1030	8,0	14.8	33.22	☐ Yes ♣ No If yes, note approximate distance and direction from site in "Site Observations."	
57	1045	9.5	14.7	33.2/	☐ Yes	
E-17	1100	12.0	14.7	33.17	If yes, note approximate distance and direction from site in "Site Observations."	1)Hull clawer observed in slip100 of SDYC (= 100, sailboat "Perserverence" 2) 2nd diver on = -82 Digmuse approved to be 2) 2nd diver on = -82 Digmuse approved to be
C5	1120	11.0	14.6	33,14	Yes □ No If yes, note approximate distance and direction from site in "Site Observations."	3) first cleaner moved onto lip Estal boat 10 "5-0%" sqilboat slip Estal (Spyc), Saga LV (E80) + Blink (E101) ako Cleaned
C1	1140	11.5	14.6	33.11	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	

Sample Date: \2 28 2021	☐ Pre-IWHC Pause (4 weeks)	XIWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks)
Weather Conditions: mostly cloudy morning	rizzle	·	
Surface Water Conditions:			
General Observations/Notes:			

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
FB	0830	NA	219	NA	☐ Yes ☒️No If yes, note approximate distance and direction from site in "Site Observations."	collected @ transient dock
N3-ER	0840	NA	NIA	NIA	☐ Yes ☒No If yes, note approximate distance and direction from site in "Site Observations."	collected @ transient dock
C-13	<i>0</i> 900	14	14.6	33,1	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
E-18	0930	9	14,6	32.9	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
C-6	0945	12	14.8	33.0	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	Some sheen @ surface
E-16	1020	9	(5.0	33,0	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	*
E-16-Dup	1030	9	15.0	33.0	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	

Sample Date: 2/28/21	☐ Pre-IWHC Pause (4 weeks)	XIWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks)
Weather Conditions: Party Oudy; morning	drizzle		
Surface Water Conditions:			
General Observations/Notes:			

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
C-4	1050	11	14-8	33.0	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
E-15	1125	12	14.7	32.9	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
c-3	1145	13	14,7	<i>3</i> z.9	☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	-
E-14	1210	10	14.8	32.9	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
c-2	1230	11	(4.8	33.0	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	~
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	

, ,			
Sample Date: 1/4/22 - week 7	☐ Pre-IWHC Pause (4 weeks)	MIWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks
Weather Conditions: Sanni, light	winds 2-3kt what out of the sou	y h	
	it riples it hain boy, calm A		
General Observations/Notes:			

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
CREF 2	69%	21.2"	14.6	33.48	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	
CREF 1	0155	27.2	14.5	33.47	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	
C-12	09/0	19:00	14.4	33.34	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	
C-10	0925	11.5	14.3	33.27	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	
C-11	0935	7.1"	14. Z	33.25	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	
C-9	0950	9.'8'	14.3	33.24	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	foam, dust on water surface
C-8	1000	10.0	14.4	33.4	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	foom on surface

•		• -	7		•	IN-WATER HULL	CLEANING PAUSE PILOT STUD
Sample Date: _	1/4/2	22			☐ Pre-IWHC Pause (4 weeks)	IWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks
Weather Condi	tions:	MAY C	alm				
Surface Water	Conditions:		wre				
General Observ	vations/Note	es: NeT	ant s	is/ h	nell cleaner C	Konnkni, ck	aminy
04-4110	Sample	Water	Temp	Salinity	[

						/
Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
1-7	1010	11'9"	14.4	23.27	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	
C-6	1020	18'0"	14.4	33.24	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	Topside cleaning 50f4 to the North
c-5	1035		787 145	33.15	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	savies divers to formating dock" tops de maintmance
L-1	1100	610	14.5	33.25	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	tops. de maintmance su' south of site
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	

week 7

Sample Date:	010	4/2022

☐ Pre-IWHC Pause	(4 weeks)
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☐ Post-IWHC Pause (4 weeks)

Weather Conditions:	sunny	,	lia	ht	breeze	(2-3	Kt	S	<u>s)</u>	

Surface Water Conditions: _____ calm, light ripples

General Observations/Notes:

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
FB	0830	214	NIA	NIA	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	collected at transient dock
N8-ER	0840	NIA	2 PA	NIA	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	collected at transient dack
C-13	0900	19:5"	14.6	33.1	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	Secchi disk touched bottom
C-4	0930	10,1,	14.5	33.0	☐ Yes ➢No If yes, note approximate distance and direction from site in "Site Observations."	C-4 sampled before C-6 because marina manager was out of office
C-6					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	C-lo Sampled by boat is no site access from docks i marina managers out of office on 2 attempts
C-3	1005	6.7"	14.5	33.0	☐ Yes	·
C-2	1030	6,10,	14.6	33.0	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	

Week 7

Sample Date: 01/04/2022	☐ Pre-IWHC Pause (4 weeks)	☑ IWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks)
Weather Conditions: sunny, light breeze	(2-3 Ktes S)		
Surface Water Conditions:calm_light ripp	, les		
General Observations/Notes:			

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
C-2-Dup	1040	6,10,	14.6	33.0	☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	
	,				☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	·
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
·					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	

Week 8

Sample Date: ////20	☐ Pre-IWHC Pause (4 weeks)	熖√IWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks)
Weather Conditions:	rtly cloudy, calm clearing throughout the	morning to mostly	Sonny Skres Light
Surface Water Conditions:	light surface fexture.	, , , , , , , , , , , , , , , , , , ,	Santa and
General Observations/Notes:			<i>70</i> ,

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
C-REF-2	0850	22.5%	14.5	33.33	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
C-Ref-1	0905	24	14.5	33.36	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
E-20	0920	16'	14. 6	33.35	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	Topside dealing -75' NE found / hull Surface film (light) cleanor Jason) Evaluated 4 fingers - 1=0 hollchears docker sing isince
C-12	0940	14'	14.6	33.33	☐ Yes ☐No If yes, note approximate distance and direction from site in "Site Observations."	
E-19	0955	9.5'	14.3	33.28	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	Scum observed on surface (see photo) walked 2 fingers 1=0 ttc's
C-10	1005	10'	14.5	<i>33</i> . 3Z	☐ Yes ♬ No If yes, note approximate distance and direction from site in "Site Observations."	
C-10-DD	1020	416	ίŗ	- ((☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	

MOOK S

. Dogot			
Sample Date: 1 11 2027	☐ Pre-IWHC Pause (4 weeks)	XIWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks)
Weather Conditions: MISHU SWMY CAIM W	1 light South Ana Win	ds	
Surface Water Conditions: light fextire			
General Observations/Notes:			

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
C-11	1030	9'	14.6	33.15	☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	
C-9	1040	10'	14.7	33.34	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
C-3	1050	10'	14.6	33.29	☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	
C-7	1100	10'	14.7	33.33	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	Several small sailboats (-n=6) whin logars of sampling location
E-17	1110	7	14.8	33.35	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
C-5	1125	7.51	14.9	33,35	☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	
C- 1	1135	6.5	15.0	33.32	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	

Sample Date: 01/11/2022	☐ Pre-IWHC Pause (4 weeks)	X IWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks)
Weather Conditions: mostly sunny light breez	e .		
Surface Water Conditions: Calm	·		
General Observations/Notes:			

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes	
FB	0,845	NIA	71A	NA	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	Collected @ transent dock	
N3-ER	0850	NIA	NIA	NIA	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	collected Etransient dock	
C-13	0905	15`7"	14.6	33.2	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."		
E-18	0935	9'2"	14.6	33. (☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	no vessel on right side of disck	
C-6	0955	12'8"	14.6	33.1	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	hull cleaner observed changing zines ~ 20yd NE; topside cleaning/maintenance observed ~ 20yd NW, 40yds NE, 50yds NW	
E-16	1025	7'0"	14.7	33.\	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	same hull cleaner observed on docks in SGYC; no INAC observed	
C-4	1040	8`2`	14,7	33.1	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	Topside cleaning ~ loyd NE	

Sample Date: 01/11/2022	☐ Pre-IWHC Pause (4 weeks)	☑ IWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks)
Weather Conditions:		·	
Surface Water Conditions:			· · · · · · · · · · · · · · · · · · ·
General Observations/Notes:			

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
E-12	1105	4'10"	14.8	33.0	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	hull cleaner changing zincs nutoyd NE
C-3	1125	5'1"	14.8	33.0	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	
E-14	1120	6`1"	14.9	33.1	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
C-2	1205	5'6"	14.9	33. \	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	vessel being stained
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	

Sample Date: 1/19/22 - week ?	☐ Pre-IWHC Pause (4 weeks)	IWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks)
Weather Conditions: partly cloudy, calus Surface Water Conditions:	·		
	· />		·
General Observations/Notes: tsunami on O	1/15/2022 (1.4 ft surge)		

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
C-ref-2	0845	18'	15.0	33.54	☐ Yes	
C-ref-1	0705	15.5	14.9	33.56	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
C-12	0920	15.3	15.3	33.39	☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	some topside cuaning/maintenary ~ 30yds east
C-10	0930	16'	15.4	33,36	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	
C-11	0940	9.5'	15.5	33.35	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	50me surface Scum/organic debut
C-9	0850	12.5	15.4	33.36	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	some surace scum proganicallois
C-8	(000	14.5	15.4	33,36	☐ Yes	Some topside cleaning @SDYC

r 1 1 4 9	1	N-WATER HULL CLEANING PAUSE PILOTS	ושטופ
Sample Date:	☐ Pre-IWHC Pause (4 weeks)	ause (8 weeks) Dost-IWHC Pause (4 w	weeks)
Weather Conditions: Journal of Cloudy Sire Surface Water Conditions: / Gaf Surface	texture	0	
	/15/2022 (1.4ft surge)		

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
C-7	1020	13'	15.5	33.37	☐ Yes	
C-5	1030	12.5'	15.4	33.38	☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	Walked E dock, no holl chaning. Topside cleaning @ near E-1
C-1	1045	10.5	155	33.36	☐ Yes ☐ Yoo If yes, note approximate distance and direction from site in "Site Observations."	
C-1-DUP	1405	11-0	15.6	33.36	☐ Yes ☑-No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
· ·					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	

Sample Date: 01/19/2022	☐ Pre-IWHC Pause (4 weeks)	WHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks
Weather Conditions: partly cloudy			· ·
Surface Water Conditions:			
General Observations/Notes: to an about 157	2027 (1.4ft surge)		•

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
FB	0830	NA	21A	NIA	☐ Yes ☒️No If yes, note approximate distance and direction from site in "Site Observations."	Collected @ transientd ock
N8-ER	0840	NA	Ald	NIA	☐ Yes ☒-No If yes, note approximate distance and direction from site in "Site Observations."	collected @ transient dock
C-13	0900	18,4,,	15.2	33.3	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
C-6	093D	16'5"	15.6	33.1	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	topside cleaning ~ 30yd S
C-4	1000	13' 9"	15.6	33.0	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
C-3	1030	11,0,	15.7	33.D	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	·
C-2	1055	13`3"	15.7	33. 0	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	

Sample Date: 1/25/2022 47/8	☐ Pre-IWHC Pause (4 weeks)	✓ IWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks)
Weather Conditions: partly cloudy, calm			
Surface Water Conditions: light Swface text	re		
General Observations/Notes:			ı

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
C-Ref-Z	0850	17.5	15.2	33.46	☐ Yes IX No If yes, note approximate distance and direction from site in "Site Observations."	
C-Ref-1	0905	15	15.2	33.45	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
E-20	0915	14.5'	15.3	33.46	☐ Yes ♠ No If yes, note approximate distance and direction from site in "Site Observations."	some topside cleaning (spraying) - 30yds NW
C-12	0925	15.5'	15.3	33.47	☐ Yes ►No If yes, note approximate distance and direction from site in "Site Observations."	
E-19	0935	9'	15.3	33.44	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	soue topside futting 50m NW
C-10	0945	8.5	15.4	33.45	☐ Yes	
C-11	1000	8.51	15.2*	33.9/	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	observed diver walking forth CSWYL - dookwalk - Noted diver prints to E-12, E-14, E-21 E12.14 bulls looked cleaned E-01 did not.

Sample Date: 1/25/22 ~ -/ 0	☐ Pre-IWHC Pause (4 weeks)	XIWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks
Weather Conditions: 105/4 swang	cala C 1200		
Surface Water Conditions:	•		<u> </u>
Conoral Observations/Notes:			

General Observations/Notes:

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
C-9	1010	8.0	15.5	33.46	☐ Yes ♠ No If yes, note approximate distance and direction from site in "Site Observations."	
C-8	1.30	9.25	15.6	33.47	☐ Yes ♠No If yes, note approximate distance and direction from site in "Site Observations."	
		12.0			☐ Yes ♠No If yes, note approximate distance and direction from site in "Site Observations."	
E-17	1050	12.0	15.5	33.47	☐ Yes ☐No If yes, note approximate distance and direction from site in "Site Observations."	6-26, surface work 30m SE
C-5	1100	12.0	15.7	33.46	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
C-5-040	[1100	12.6	15.7	33.47	yes □ No If yes, note approximate distance and direction from site in "Site Observations."	docksalle - active hullcleaning @_ E-101, "Blink" SOM NW of C-S
0-1	1/35	8.5	15.6	33.46	☐ Yes ☒No If yes, note approximate distance and direction from site in "Site Observations."	

Week 10

Sample Date:	01	25	20	2	2
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☐ Pre-IWHC Pause (4 weeks)	WHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks
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Neather Conditions: _	Sunny	 ·	 	 	
Surface Water Conditi	ions: calm				

General Observations/Notes:

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
FB	0830	NA	NA	N/A	☐ Yes ☒No If yes, note approximate distance and direction from site in "Site Observations."	collected @ transient docin
N3-ER	0840	NA	n/A	N/A	☐ Yes 4 No If yes, note approximate distance and direction from site in "Site Observations."	Collected @ transient dock
C-13	0900	12`5"	15.4	33.4	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
E-18	0930	10'4"	15.5	33.3	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
C-6	0945	11,3,	15.5	33.3	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	topside cleaning ~ 20 yds N of site
E-16	1015	7'2"	15.6	33.2	☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	slick on surface; filter had lots of debnis
C-4	1030	11'7"	15.6	33.2	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	topside cleaning ~ Zoyds SW of site

Sample Date: 01/25/2022 Week 10	☐ Pre-IWHC Pause (4 weeks)	X IWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks)
Weather Conditions: Sunny			
Surface Water Conditions:			
General Observations/Notes:			

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
E-15	1110	7'5"	15.7	33.3	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
r - 2	1170	,,,,,,	15 7	22 7	☐ Yes ☒No If yes, note approximate	

E-13	1110	75	15.7	35.3	distance and direction from site in "Site Observations."	
C-3	1120	11'1"	15.7	33.2	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	
E-14	1150	8'5"	15.8	33.2	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	Topside maintenance ~ 3010s NV
C-2	1205	10'5"	15.9	33.2	☐ Yes ► No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	

/ /			A IN-VIAILICITOLL	U
Sample Date: <u>//3//22</u>	W-11	☐ Pre-IWHC Pause (4 weeks)	MUWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks
Weather Conditions:	, slightly over	cas f		
Surface Water Conditions:	lm			
General Observations/Notes:	hull clear	ring		

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
CZ-Ref	0935	16.5	149	33.41	☐ Yes DNO If yes, note approximate distance and direction from site in "Site Observations."	
CI-Ref	aus				☐ Yes ⚠️No If yes, note approximate distance and direction from site in "Site Observations."	
C-12	1000	15.5	15.2	33.36	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	some light surface som
C10	1810	P.51	15.3	33.35	☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	bore water cleaning, 75 m south
C-11	1820	6.5	15.2	23.33	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	surface soun
0.9	1030	8.5'	15.4	33.35	☐ Yes ♠No If yes, note approximate distance and direction from site in "Site Observations."	surface scen
C-8	10%	9.0'	15.4	33,26	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	

	IN-WATER HOLL	CLEARING I ACCE I IECT CICE
Sample Date: 1/31/22	☐ Pre-IWHC Pause (4 weeks) / ✓ IWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks
Weather Conditions: overcast, calin 10	45	
Surface Water Conditions:		
General Observations/Notes: 10 Kill cleanch	observed	

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
C-7	1050	9.0	15.5	33.36	☐ Yes ♣S No If yes, note approximate distance and direction from site in "Site Observations."	
Co	//00	9.01	15.5	33.36	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	surface roum Solyc
C-1	1125	7.5	15.5	37.3(☐ Yes	dockwelked 10 mins, no divers observed
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
•					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	

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Sample Date:	01	/31	2022

☐ Pre-IWHC Pause (4 weeks)	IWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks)
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Veather	Conditions:	Dar	tly	Cloud	4
		$\overline{}$			_

Surface Water Conditions: ___calm_

General Observations/Notes:

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
FB	0925	NIA	216	NIA	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	collected @ transient dock
N8-ER	0935	NIA	NIA	N/A	☐ Yes ☒️No If yes, note approximate distance and direction from site in "Site Observations."	collected @ Transient dock
C-13	0950	11'5"	15.2	33.3	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
C-6	1025	11`9"	15.5	33.2	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	topside cleaning/maintenance ~ 20yds NW + 40yds NE
C-6-Dup	1035	11,13,,	15.5	33.2	☐ Yes	Same as above
C-4	1105	8'10"	15.6	33.3	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
C-3	1130	7'0"	15.6	33.3	☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	

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Sample Date: 01/31/2022	☐ Pre-IWHC Pause (4 weeks)	IWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks
Weather Conditions: partly cloudy		·	
Surface Water Conditions:			
General Observations/Notes:	1		

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
C-2	1200	68".	15.7	33.3	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	

Sample Date: 2922	W-12	☐ Pre-IWHC Pause (4 weeks)	☑ IWHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks)
Weather Conditions:	light breeze from	South		
Surface Water Conditions:				
General Observations/Notes:	•			

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
C-Ref-2	0855	15'	14.9	33.66	☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	
C-Ret-1	09/0	18'	14.9	33,64	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
E-20	0920	10.5	15.0	33.69	☐ Yes	topside clearing 30 west
C-12	0930	13.5	15.0	33.68	☐ Yes ♠️No If yes, note approximate distance and direction from site in "Site Observations."	topside souting 75'south
E-19	0845	8.5	14.8	33.66	☐ Yes	dirty surface sheen - could be dust from sunta ann winds
C-10		10.0			☐ Yes ☑No If yes, note approximate distance and direction from site in "Site Observations."	some surface sheen, see above
C-11	1000	8,0	19-9	33.69	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	same surface show, set above

<i>[</i>	1 (1 -		IN-WAILK HOLL	CLEANING! AGGET LEGT GTOD!
Sample Date: 2/9/22	WIL		MHC Pause (8 weeks)	☐ Post-IWHC Pause (4 weeks
Weather Conditions: SUN 89	calle sonta an	na worm		
Surface Water Conditions:	ne syrface du	st, sheen e most ins	ide stations	
General Observations/Notes:				

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
C-9	1015	9.0'	15.3	33.7/	☐ Yes ♠️No If yes, note approximate distance and direction from site in "Site Observations."	Minor surface sheen, organic debois
C-8	1025	10.0'	15.1	33.67	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	no sheen
C-7	1035	9.5	15.2	33.70	If yes, note approximate distance and direction from site in "Site Observations."	
E-17	1095	8.8	15.2	33.70	☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	
C-5	1055	8.0'	15.3	33.70	☐ Yes XNo If yes, note approximate distance and direction from site in "Site Observations."	for 10 min N=\$ hull aleances
C-1	1120	7.5	15.4	33.77	If yes, note approximate distance and direction from site in "Site Observations."	no shoo
			·		☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	

week 12

Sample Date: 02 09 2022

☐ Pre-IWHC Pause (4 weeks) ☐ IWHC Pause (8 weeks) ☐ Post-IWHC Pause (4 weeks)

Weather Conditions: Sunny light breeze from South

Surface Water Conditions: Light texture

General Observations/Notes:

Last day of the INHC Pause!

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
FB	0835	NA	2/A	214	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	collected e transient dock
N3-ER	0845	NA	12 / A	NIA	☐ Yes 爲No If yes, note approximate distance and direction from site in "Site Observations."	collected @ transient dock
C-13	0900	11'2"	15.0	33.4	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
E-18	0930	9'6"	15.2	33.5	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
C-6	0945	11,3,	15.2	33.6	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
E-16	1015	68"	15.3	33.6	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
C-4	1030	7'1"	15.4	33.6	☐ Yes ► No If yes, note approximate distance and direction from site in "Site Observations."	

WEEK 12

Sample Date: 02 09 2022

☐ Pre-IWHC Pause (4 weeks) ☐ Post-IWHC Pause (4 weeks)

Weather Conditions: Sunny , light breeze from South

Surface Water Conditions: light texture

General Observations/Notes:

Last day of the IWHC Pause!

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
E-15	1055	, 8°,	15.4	33.7	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
C-3	1110	7'0"	15.4	33.7	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	·
E-14	1135	62"	15.5	33.8	☐ Yes ☒No If yes, note approximate distance and direction from site in "Site Observations."	
E-14. Dup	1145	6'2"	15.5	33.8	☐ Yes ☒No If yes, note approximate distance and direction from site in "Site Observations."	
C-2	1200	5'10"	15.5	33.8	☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	Topside cleaning + maintenance ~ 10 yd NW
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	

week 13

Sample Date:	2	114	12022

☐ Pre-IWHC Pause (4 weeks) ☐ IWHC Pause (8 weeks) ☐ Post-IWHC Pause (4 weeks)

Weather Conditions: Sunny, clear. (alm in the morning, breezy (-10-1545W) after ~ 1/30 am

Surface Water Conditions: MOSHY Lalm, HXTURED @ reference Stations. Occassional organic debnis on surface

General Observations/Notes: (may be due to reunt santa that).

* Equipment failure

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
C-Ref-2	09:50	22'0"	15.2	34.04	☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	
C-Ref-1	10:00	19' 6"	15.4	34.01	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
C-12	10:10	15'0"	15.8	34.05	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
C-10	10:20	B'0"	16.6	34.15	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
C-11	10:30	6'6"	16.1	34.07	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
C-9	10:40	8'0"	16.4	33.98	☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	Some patchy organic debris on surface. Avoided dung sampling.
C-8	10:50	7'6"	NR*	NR*	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	Some organic debn's on surface Approx. 18 boats moored @ anchorage nearby.

Week 13

Sample Date: _	2/14/2022
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☐ Pre-IWHC Pause (4 weeks)

☐ IWHC Pause (8 weeks)
☐ IWHC Pause (4 weeks)

Surface Water Conditions: Mostly calm, textwed @ reference stations. Occassional organic debons on General Observations/Notes: SUFAU (may be sure to recent Santa Ana's).

* Equipment failure

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
C-7	11:15	8'6"	NRT	NRK	☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	
C-5	11:40	7'6"	NR*	NR*	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	Topside cleaning/mainknanu petformed ~50 and ~75 ft norm. Hull cleaner active in slip E-16 (~100yds N).
C-1	12:05	8'0"	NPt	NR*	☐ Yes ☐No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
		-			☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
Sample Date: $\frac{02/14/32}{19/32}$	☐ Pre-IWHC Pause (4 weeks)	□ IWHC Pause (8 weeks)	Post-IWHC Pause (4 weeks
Weather Conditions: SUMy char light wind	,		
Surface Water Conditions: Clear, Calm 0-3	n/h		
General Observations/Notes:			

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
FB	0945	X	>	7	☐ Yes Д No If yes, note approximate distance and direction from site in "Site Observations."	collected & transient dock
1/8-ER	0955	NA	NIA	NIA	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	collected @ transion+ dock
C-13-W13	1000	10'2"	15.7	33,85	☐ Yes	
C-13 dup	1010	11	1)	1)	☐ Yes ZNo If yes, note approximate distance and direction from site in "Site Observations."	
C-6	1040	87	16.4	34.05	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	
C-4	1110	8'3"	16.4	33,92	Yes □ No If yes, note approximate distance and direction from site in "Site Observations."	120° from sile, 100 m away
C-3	1140	6'11"	16.4	34.02	Yes □ No If yes, note approximate distance and direction from site in "Site Observations."	130° From site, 75 maray

Sample Date: $\frac{02/14/32}{\sqrt{3}}$	3 .	☐ Pre-IWHC Pause (4 weeks)	□ IWHC Pause (8 weeks)	Post-IWHC Pause (4 weeks)
Weather Conditions: Suny, Char Will	South	@ 23%		
Surface Water Conditions:	chop			
General Observations/Notes:	·			

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes			
C-2		2,10,	16.6	34.03	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	one person sanding on the duck @ 140° form site.			
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."				
·					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."				
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."				
			. 4		☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."				
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."				
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."				

Sample Date: 2/2//22	Weekiy	☐ Pre-IWHC Pause (4 weeks)	☐ IWHC Pause (8 weeks)	Post-IWHC Pause (4 weeks)
Weather Conditions: Windy C	loudy, wind "	5-843 from S.		,
	surface textur			
General Observations/Notes:	·			

Contola	ODGGI	T CLIOI I	0,140.00

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
C-ref-2	0850	22'	15.4	34.15	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
C-Ref-1	1905	21'	15.3	34.16	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
E-20	0920	13'	15.7	37.15	If yes, note approximate distance and direction from site in "Site Observations."	surface deonity 50 h
C-12,	0925	128"	15,7	34.16	☐ Yes	
E-19	9940	7.0"	15.8	34.14	☐ Yes	
C-10	0950	73"	15.8	34, 15	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
C-11	1000	48"	15.7	34.14	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	Brownish fint to water, bisibility. More particulate/color on filter (scoppers)

Week 14

Sample Date:	2	121	122	
	_	_		

☐ Pre-IWHC Pause (4 weeks)	☐ IWHC Pause (8 weeks)	Post-IWHC Pause (4 weeks)
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Weather Conditions: windy, cloudy, wind ~5-8 kts from 1.

Surface Water Conditions: light Surface texture

General Observations/Notes:

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
C-9	10:15	518"	15.7	34.12	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	light min during sany
C-8	1025	E'G u	15.8	34.13	☐ Yes ♣No If yes, note approximate distance and direction from site in "Site Observations."	~30 Wssels moored on anchorage
C-7	1035	9-0 "	15-7	34.15	☐ Yes ♠ No If yes, note approximate distance and direction from site in "Site Observations."	
E-17	1045	610"	15.9	34.13	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	
0-5	1055	10.0	15.8	34.12	☐ Yes	
C-1	1105	77"	15.9	34.14	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	

Sample Date:	02/21/2022	week 14	☐ Pre-IWHC Pause (4 weeks)	☐ IWHC Pause (8 weeks)	Post-IWHC Pause (4 weeks)
Weather Cond	litions: <u>partly i</u>	loudy, breezy (5	5-8 kts from S)		
Surface Water	Conditions: \\ \ \\ \g\	it surtace textu	ire	1,510	
General Obse	rvations/Notes:			,	

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
FB	0843	NA	NA	NIA	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	collected at transient dock
N3-ER	08,22	NA	NA	NIA	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	collected at transient dock
C-13	0910	15'10"	15.8	33.47	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
E-18	0930	8`4"	16.1	33.41	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
C-10	0945	9'2"	16.2	33.40	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
E-10	1010	60,	16.2	33.41	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
C-4	1020	9'5"	16.1	33.40	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	light rain before sampling

Sample Date: 02/21/2022	week 19	☐ Pre-IWHC Pause (4 weeks)	☐ IWHC Pause (8 weeks)	☑Post-IWHC Pause (4 weeks)
Weather Conditions:parti-	cloudy breezy	(5-8 (cts from 5)		
Surface Water Conditions:	int surface te	xture	· · · · · · · · · · · · · · · · · · ·	
General Observations/Notes:				

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
E-12	1050	6'8"	16.2	33,41	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
E-15-Dup	1100	6'8'	16.2	33.41	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
C-3	1110	8`3"	16.2	33.38	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	topside cleaning Noyd E from sampling location
E-14	1135	7'3"	16.3	33.39	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
C-2	1150	8'9"	(6.2	33.43	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
		:			☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	

Weather Conditions:

☐ Pre-IWHC Pause (4 weeks) ☐ IWHC Pause (8 weeks) ♣Post-IWHC Pause (4 weeks)

Surface Water Conditions: _

General Observations/Notes:

recently documented

tide event

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
Gref-Z	0850	17 4 ic	14.8	33.23	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	leavy organic debris in water collin : surface +poller
C-ref-1	0905	71'	14.4	33.20	☐ Yes ♣ No If yes, note approximate distance and direction from site in "Site Observations."	Some surface debris.
C-1Z	0920	23'3"	15.3	33.20	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	moderate dust, surface Adon's
C-10	0930	11	15.6	33.21	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	moderate surface debns
C-11	0935	8'6"	15.6	33. /8	☐ Yes ☒No If yes, note approximate distance and direction from site in "Site Observations."	Surface cleaning ~ 100ft North of station.
C-9		916"			☐ Yes	Small surface debn's
C-8	0955	16.5	15.5	33.N	☐ Yes ► Yoo If yes, note approximate distance and direction from site in "Site Observations."	

_ / /			III-MAILK HOLL	OLLANING! AGGL! ILG! G!GD
Sample Date: 3/1/22	/	☐ Pre-IWHC Pause (4 weeks)	☐ IWHC Pause (8 weeks)	Post-IWHC Pause (4 weeks
Weather Conditions:	alm			
Surface Water Conditions:	the wild -	/kte/wo		
General Observations/Notes: rece	ently documen	ted red tide event		

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
C-7	1005	10.5	(5.6	33.73	If yes, note approximate distance and direction from site in "Site Observations."	
C-5	(010	16.0	15.8	33.26	If yes, note approximate distance and direction from site in "Site Observations."	5 whose closery & a ligacont book E-38 SONC (1=1 hull closer on E-dock
C-1	1040	106	15.8	33.35	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	c
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
			·		☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
	,				☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	

Sample Date: 03/01/2022	mek 15	☐ Pre-IWHC Pause (4 weeks)	□ IWHC Pause (8 weeks)	Post-IWHC Pause (4 weeks)
Weather Conditions:	clear, light breeze		· · · · · · · · · · · · · · · · · · ·	
Surface Water Conditions:cal				·
General Observations/Notes:	prently documente	ed red tide event		

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
FB	0840	214	7/4	NA	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	collected @transient dock
N8-ER	0845	214	414	2/9	☐ Yes ▷ No If yes, note approximate distance and direction from site in "Site Observations."	Collected @ transient dock
C-13	0900	15`7"	14.7	33.50	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
C-6	0925	12,2,	15.6	33.51	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	topside maintenance ~ 20 yds N; cessels in slips on both corners near sampling location
C-4	0950	12,1,	15.7	33.51	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
C-4- Dup	1000	17	1 3	11	☐ Yes ➢ No If yes, note approximate distance and direction from site in "Site Observations."	·
C-3	1030	11'7"	15.7	33.56	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	

			III-MAI EK IIOEE	OLLAMINO I ACOL I ILO I GIODI
Sample Date: 03/01/20	22 Week 15	☐ Pre-IWHC Pause (4 weeks)	□ IWHC Pause (8 weeks)	⊠ Post-IWHC Pause (4 weeks)
Weather Conditions: 50	inny, clear, light bree	?20		
Surface Water Conditions:	rain			
General Observations/Note	s: recently docume	nted red tide event		

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
C-2	1055	11,5,	16.1	33.50	☐ Yes ★ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
			,		☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	

Week 16

Sample Date: 03	108/2022
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☐ Pre-IWHC Pause (4 weeks) ☐ IWHC Pause (8 weeks) ☐ Post-IWHC Pause (4 weeks)

Weather Conditions: Sunny, clear, light breeze out of SE (1-3 kts)

Surface Water Conditions: __calm, clear

General Observations/Notes:

week 16

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)		ter Hull Cleaning Observed?	Site Observations/Notes
FB	0900	119	2	P IA	If yes	Yes No s, note approximate ce and direction from "Site Observations."	collected @ transient dock
N3-ER	0905	718	2	NIA	If yes	Yes No s, note approximate ce and direction from "Site Observations."	collected @ transient dack
C-13	0920	16'7"	15.6	33.16	distanc	Yes X No s, note approximate ce and direction from "Site Observations."	
E~18	0950	10'2"	15.8	33.29	If yes distant	Yes X No s, note approximate ce and direction from "Site Observations."	some surface debuis
C-6	1005	13,2."	15.9	33.35	distanc	Yes No s, note approximate ce and direction from "Site Observations."	topside cleaning (spraying) ~30m Sisurface debris
E-16	1030	9'5"	15.9	33.33	distanc	Yes No s, note approximate the and direction from "Site Observations."	sheen on surface
C-4	1045	11'9"	16.0	33.37	If yes distanc	Yes No , note approximate e and direction from "Site Observations."	topside maintenance ~ 40m SW; bilge running on boat - 10m SE

INOOK 16

		Week
male Date	03/08/2022	

☐ Pre-IWHC Pause (4 weeks)	☐ IWHC Pause (8 weeks)	Post-IWHC Pause (4 weeks)

Weather Conditions:	Sunna	1, Clean	light breeze	out of	SE (1-3 kts)
						

Surface Water Conditions: ____calm__clear

General Observations/Notes:

week 16

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
E-12	1110	710"	16.0	33.50	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	IwHCer observed walking ondocking active cleaning
c-3	1120	8'4"	16.2	33.38	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	waxing hull ~ 40 m NE
E-14	11 20	7`2``	16.2	33.46	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
C-2	1200	8,1,,	.16.2	33.40	➤ Yes □ No If yes, note approximate distance and direction from site in "Site Observations."	INHC ~40m NE
				-	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	-
					☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	

Week 16

Sample Date:	3	191	22	Week	ţ
		I			

□ Pre-IWHC Pause (4 weeks) □ IWHC Pause (8 weeks) □ Post-IWHC Pause (4 weeks)

Weather Conditions: SUNNY, clear, calm. Light breeze out of SE (1-3 K/s).

Surface Water Conditions: Mostly glassy, light textive

General Observations/Notes:

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
C-Ref-2	0910	21.5	15.6	33.03	☐ Yes ☒ No If yes, note approximate distance and direction from site in "Site Observations."	
C-Ref-1	0925	21.5	15.6	33.04	☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	
E-20	0950	19.5	15.8	33.13	☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	Boat cleaning Clopside) observed @ 0930, visible soap wildles on surface. Collection avoided—sample collected on otherside of ack ~ Uft. NE Topside waxing/boffing—~ 20yds NE
C-12	0940	17.5	15.8	33.10	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	Topside chaning/maintenance 12 - 10 yds SE Topside waxing/ buffing - 10 yds = 5
E-19	1010	10'	15.%	33.18	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
E-19-DUP	1020	10'	15.8	33.18		Hull cleaner observed walking docks to the soun. Light surfaction
C-10	1030	12'4"	15.9	33.14	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	right surface film

(

☐ Pre-IWHC Pause (4 weeks) ☐ IWHC Pause (8 weeks) ☐ Post-IWHC Pause (4 weeks)

Weather Conditions: ____

General Observations/Notes:

Sample Date: _3

Station ID	Sample Time	Water Visibility (ft)	Temp (°C)	Salinity (ppt)	In-Water Hull Cleaning Observed?	Site Observations/Notes
C-11	1040	81	16.0	33.01	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	
C-9	1047	10'	16.4	33.12	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	Light surface scum/debn's
~ C - B	1055	12	16.2	33.18	☐ Yes → No If yes, note approximate distance and direction from site in "Site Observations."	
C-7	1105	13.5	16.0	33.18	☐ Yes	of sample location
E-17	1115	11'	16.5	33.40	☐ Yes No If yes, note approximate distance and direction from site in "Site Observations."	
C-5	1125	11'	16.4	33.29	☐ Yes ☐ No If yes, note approximate distance and direction from site in "Site Observations."	
C-1	1135	91	16.3	33.23	☐ Yes ☑ No If yes, note approximate distance and direction from site in "Site Observations."	Topside cleaning ~ 20yds Sw

WATER QUALITY MONITORING FIELD QA CHECKLISTS

Station Location: Field Blank Date/Time: 11	22/2/
Mark each box with Y, N, or NA	30
1. Station Occupation and Field Data Recording:	
Station GPS coordinates (approx. ± 3 m) and station identification verified \times	NA
Time of sampling recorded	10/4
Temperature and salinity readings taken at 1 meter below surface	hilA
Check for in-water hull cleaning operations in the area and record distance and direction from site if observed	No
General site observations recorded	
2. Sampling Procedures:	
Field staff wearing fresh, powder-free nitrile gloves	Y
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique)	Y
Sampling instrument given site water rinse prior to deployment	NIA
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	Y
Sample bottle(s) correctly labeled and match the station identification	
Sample bottle(s) correctly labeled with the sample date and time	Y
Sample collected at 1 meter below surface	NIA
Staff avoided contaminating samples at all times	<u> </u>
Equipment rinsate blank and field blank have been collected (if applicable)	Y
Field duplicate collected (if applicable)	NIA
PPE properly removed and disposed of upon site completion	7
4. Sample Storage and Transport:	
Water samples properly stored on ice in a cooler	Y
Water samples properly logged on COC form	Y
Proper persons have signed the COC	Y
Cooler and samples hand delivered to labs with completed COC	<u> </u>
Additional Notes:	
Collected on fransient doch	
C. One or col and	

Signature of QA/QC Personnel: Mary J. Snyder Date/Time: 11/23/2021

Print Name/Company: Barry J. Snyder Wood 0930

Station Location: Eq RINSate Date/Time: 11/	22/2/
Mark each box with Y, N, or NA	40
Mark each box with Y, N, or NA 1. Station Occupation and Field Data Recording:	0745
Station GPS coordinates (approx. ± 3 m) and station identification verified	NA
Time of sampling recorded	V
Temperature and salinity readings taken at 1 meter below surface	NIA
Check for in-water hull cleaning operations in the area and record distance and direction from site if observed	У
General site observations recorded	V
2. Sampling Procedures:	i
Field staff wearing fresh, powder-free nitrile gloves	Y
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique)	Ý
Sampling instrument given site water rinse prior to deployment	NIA
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	Y
Sample bottle(s) correctly labeled and match the station identification	· Y
Sample bottle(s) correctly labeled with the sample date and time	Y
Sample collected at 1 meter below surface	NA
Staff avoided contaminating samples at all times	Y
Equipment rinsate blank and field blank have been collected (if applicable)	Y
Field duplicate collected (if applicable)	NIA
PPE properly removed and disposed of upon site completion	\frac{1}{2}
4. Sample Storage and Transport:	,
Water samples properly stored on ice in a cooler	Y
Water samples properly logged on COC form	Ý
Proper persons have signed the COC	Y
Cooler and samples hand delivered to labs with completed COC	
Additional Notes:	
Hone	
Signature of QA/QC Personnel: <u>Barry J. Snyder</u> Date/Time: <u>III</u> Print Name/Company: Barry J. Snyder Wood	23/2021
Print Name/Company: Barry J. Snyder Wood	730

		•	
Station Location:	C-13	Date/Time:	11/22/2
Mark each box with Y	N, or NA		0805
1. Station Occupation	and Field Data Recording:		
Station GPS coordinate	es (approx. <u>+</u> 3 m) and station id	entification verified	Y
Time of sampling recor			Ý
Temperature and salini	ty readings taken at 1 meter bel	ow surface	Y
Check for in-water hull from site if observed	cleaning operations in the area	and record distance and directi	on None
General site observatio	ns recorded		У
2. Sampling Procedur	es:		·
Field staff wearing fresl	n, powder-free nitrile gloves		У
SWAMP protocols utiliz technique)	red to avoid sample contaminati	on (i.e., clean hands/dirty hand	s
Sampling instrument gi	ven site water rinse prior to dep	loyment	Y
Sample bottle(s) are the	e correct type, lab-certified, and	contaminant-free	y
Sample bottle(s) correct	tly labeled and match the statio	n identification	Y
Sample bottle(s) correct	tly labeled with the sample date	and time	У
Sample collected at 1 r	neter below surface		X
Staff avoided contamin	ating samples at all times		Y
Equipment rinsate blan	k and field blank have been coll	ected (if applicable)	MA
Field duplicate collecte	d (if applicable)	-	A//A
PPE properly removed	and disposed of upon site comp	oletion	
4. Sample Storage and	d Transport:		ı
Water samples properly	y stored on ice in a cooler		Y
Water samples properly			· X
Proper persons have si	•	atad COC	<u> </u>
Cooler and samples na	nd delivered to labs with comple	eled COC	У
Additional Notes:			
None			
Signature of QA/QC P	ersonnel: <u>Bany J. S</u> Barry J. Snyda	nyclu Date/Time:	11/23/202
Print Namo/Company	Barry J. Snyda	er wood	0930

Station Location: $C-6$	Date/Time: /// 22 / 2./
Mark each box with Y, N, or NA	Date/Time: 11/22/24
1. Station Occupation and Field Data Recording:	710
•	
Station GPS coordinates (approx. ± 3 m) and station identification verification	ed
Time of sampling recorded	7
Temperature and salinity readings taken at 1 meter below surface	Y Aleiba
Check for in-water hull cleaning operations in the area and record distar from site if observed	nce and direction
General site observations recorded	Ý
2. Sampling Procedures:	
Field staff wearing fresh, powder-free nitrile gloves	У
SWAMP protocols utilized to avoid sample contamination (i.e., clean hat technique)	inds/dirty hands
Sampling instrument given site water rinse prior to deployment	Y
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	e
Sample bottle(s) correctly labeled and match the station identification	Y
Sample bottle(s) correctly labeled with the sample date and time	Y
Sample collected at 1 meter below surface	×
Staff avoided contaminating samples at all times	Y
Equipment rinsate blank and field blank have been collected (if applicate	ole) N/A
Field duplicate collected (if applicable)	NA
PPE properly removed and disposed of upon site completion	- Y
4. Sample Storage and Transport:	
Water samples properly stored on ice in a cooler	Y
Water samples properly logged on COC form	Y
Proper persons have signed the COC	- Y
Cooler and samples hand delivered to labs with completed COC Additional Notes: None	
Signature of QA/QC Personnel: Barry J. Snyder Woo	Date/Time: 11/23/202

Station Location:	6-4	Date/Time: //	122/21
Mark each box with	, N, or NA	\mathcal{C}	945
1. Station Occupation	n and Field Data Recording	:	
Station GPS coordinat	es (approx. <u>+</u> 3 m) and statio	n identification verified	Y
Time of sampling reco	rded		Y
Temperature and salir	nity readings taken at 1 meter	below surface	Y
Check for in-water hul from site if observed	cleaning operations in the ar	rea and record distance and direction	observe
General site observati	ons recorded		Y
2. Sampling Procedu	res:		
	sh, powder-free nitrile gloves		y y
		nation (i.e., clean hands/dirty hands	Y
	given site water rinse prior to	deployment	×
Sample bottle(s) are the	ne correct type, lab-certified,	and contaminant-free	X
Sample bottle(s) corre	ctly labeled and match the st	ation identification	Y
Sample bottle(s) corre	ctly labeled with the sample of	date and time	Y
Sample collected at 1	meter below surface		Y
Staff avoided contami	nating samples at all times		Y
Equipment rinsate bla	nk and field blank have been	collected (if applicable)	NA
Field duplicate collecte	ed (if applicable)		NIA
PPE properly removed	d and disposed of upon site c	ompletion	У
4. Sample Storage a	nd Transport:		
Water samples proper	ly stored on ice in a cooler	· · · · · · · · · · · · · · · · · · ·	У
	ly logged on COC form		/
Proper persons have s		14.1000	7
Additional Notes:	and delivered to labs with cor	mpleted COC	
None			
Signature of QA/QC	Personnel: <u>Awwy</u> J·2	mydla Date/Time:	23/2021
Print Name/Company	Barry J. Sny	Smyder Date/Time: 11	0 930



Station Location: C - 3	Date/Time: 1//22/2
Mark each box with Y, N, or NA	1625
1. Station Occupation and Field Data Recording:	
Station GPS coordinates (approx. ± 3 m) and station identification verifie	d Y
Time of sampling recorded	, À
Temperature and salinity readings taken at 1 meter below surface	Y
Check for in-water hull cleaning operations in the area and record distand from site if observed	ce and direction
General site observations recorded	Y
2. Sampling Procedures:	,
Field staff wearing fresh, powder-free nitrile gloves	Y
SWAMP protocols utilized to avoid sample contamination (i.e., clean har technique)	nds/dirty hands
Sampling instrument given site water rinse prior to deployment	<u> </u>
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	Y
Sample bottle(s) correctly labeled and match the station identification	Y
Sample bottle(s) correctly labeled with the sample date and time	Y
Sample collected at 1 meter below surface	, X
Staff avoided contaminating samples at all times	Y
Equipment rinsate blank and field blank have been collected (if applicable	le) //A
Field duplicate collected (if applicable)	WIA
PPE properly removed and disposed of upon site completion	
4. Sample Storage and Transport:	
Water samples properly stored on ice in a cooler	×,
Water samples properly logged on COC form	y
Proper persons have signed the COC Cooler and samples hand delivered to labs with completed COC	/
Cooler and dampied hand delivered to labe with completed 500	
Additional Notes:	
None	
Barreller	11/23/20

D

Signature of QA/QC Personnel: 11/23/2021

Print Name/Company: Barn/J. Snyder Wood 0930

Station Location: Date/Time:	10:55
Mark each box with Y, N, or NA	10:53
1. Station Occupation and Field Data Recording:	
Station GPS coordinates (approx. ± 3 m) and station identification verified	×
Time of sampling recorded	X
Temperature and salinity readings taken at 1 meter below surface	Y
Check for in-water hull cleaning operations in the area and record distance and direction from site if observed	Y Y
General site observations recorded	X
2. Sampling Procedures:	
Field staff wearing fresh, powder-free nitrile gloves	Y
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique)	Y
Sampling instrument given site water rinse prior to deployment	Y
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	Y
Sample bottle(s) correctly labeled and match the station identification	X
Sample bottle(s) correctly labeled with the sample date and time	X
Sample collected at 1 meter below surface	Y
Staff avoided contaminating samples at all times	Y
Equipment rinsate blank and field blank have been collected (if applicable)	NA
Field duplicate collected (if applicable)	NIA
PPE properly removed and disposed of upon site completion	×
4. Sample Storage and Transport:	
Water samples properly stored on ice in a cooler	У
Water samples properly logged on COC form	- Y
Proper persons have signed the COC Cooler and samples hand delivered to labs with completed COC	Y Y
Cooler and samples name delivered to labs with completed COC	X
Additional Notes:	
None	

Signature of QA/QC Personnel: Many J. Smych Date/Time: 11/23/2024

Print Name/Company: Barry J. Snyder Wood 0930

Station Location: (-RPF-2 Date/Time:	22/2/
Mark each box with Y, N, or NA	5
1. Station Occupation and Field Data Recording:	,
Station GPS coordinates (approx. ± 3 m) and station identification verified	
Time of sampling recorded	
Temperature and salinity readings taken at 1 meter below surface	
Check for in-water hull cleaning operations in the area and record distance and direction from site if observed	
General site observations recorded	<u> </u>
2. Sampling Procedures:	
Field staff wearing fresh, powder-free nitrile gloves	
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique)	
Sampling instrument given site water rinse prior to deployment	'
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	
Sample bottle(s) correctly labeled and match the station identification	
Sample bottle(s) correctly labeled with the sample date and time	
Sample collected at 1 meter below surface	
Staff avoided contaminating samples at all times	
Equipment rinsate blank and field blank have been collected (if applicable)	NJA
Field duplicate collected (if applicable)	NIA
PPE properly removed and disposed of upon site completion	
4. Sample Storage and Transport:	<u>ن</u>
Water samples properly stored on ice in a cooler	
Water samples properly logged on COC form	
Proper persons have signed the COC Cooler and samples hand delivered to labs with completed COC	
Additional Notes: N=2 filte fower vinces	
Signature of QA/QC Personnel:	23/21 0930

Station Location: C - REF - Date/Time: 1//2	2/21
Mark each box with Y, N, or NA	815
1. Station Occupation and Field Data Recording:	
Station GPS coordinates (approx. ± 3 m) and station identification verified	
Time of sampling recorded	
Temperature and salinity readings taken at 1 meter below surface	
Check for in-water hull cleaning operations in the area and record distance and direction from site if observed	
General site observations recorded	
2. Sampling Procedures:	
Field staff wearing fresh, powder-free nitrile gloves	
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique)	
Sampling instrument given site water rinse prior to deployment	
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	
Sample bottle(s) correctly labeled and match the station identification	
Sample bottle(s) correctly labeled with the sample date and time	
Sample collected at 1 meter below surface	
Staff avoided contaminating samples at all times	
Equipment rinsate blank and field blank have been collected (if applicable)	NA
Field duplicate collected (if applicable)	N/A
PPE properly removed and disposed of upon site completion	
4. Sample Storage and Transport:	
Water samples properly stored on ice in a cooler	
Water samples properly logged on COC form	
Proper persons have signed the COC	
Cooler and samples hand delivered to labs with completed COC	
Additional Notes:	
11.6	
11/23	1/21
Signature of QA/QC Personnel: <u>Yall wkley</u> Date/Time: <u>09</u>	30
Print Name/Company: Kate Buckley, Wood	

Station Location: C-12 /SIYB-5 Date/Time:	11/22/21
Mark each box with Y, N, or NA	0835
1. Station Occupation and Field Data Recording:	
Station GPS coordinates (approx. <u>+</u> 3 m) and station identification verified	
Time of sampling recorded	
Temperature and salinity readings taken at 1 meter below surface	
Check for in-water hull cleaning operations in the area and record distance and direction site if observed	on /
General site observations recorded	
2. Sampling Procedures:	
Field staff wearing fresh, powder-free nitrile gloves	
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique)	3
Sampling instrument given site water rinse prior to deployment	
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	
Sample bottle(s) correctly labeled and match the station identification	
Sample bottle(s) correctly labeled with the sample date and time	
Sample collected at 1 meter below surface	
Staff avoided contaminating samples at all times	
Equipment rinsate blank and field blank have been collected (if applicable)	NA
Field duplicate collected (if applicable)	NIA
PPE properly removed and disposed of upon site completion	
4. Sample Storage and Transport:	,
Water samples properly stored on ice in a cooler	
Water samples properly logged on COC form	
Proper persons have signed the COC	
Cooler and samples hand delivered to labs with completed COC	

Station Location: C-IO-WI Date/Time: 11/2	2/2/
Mark each box with Y, N, or NA 0857	<u> </u>
1. Station Occupation and Field Data Recording:	
Station GPS coordinates (approx. ± 3 m) and station identification verified	
Time of sampling recorded	
Temperature and salinity readings taken at 1 meter below surface	
Check for in-water hull cleaning operations in the area and record distance and direction from site if observed	
General site observations recorded	
2. Sampling Procedures:	
Field staff wearing fresh, powder-free nitrile gloves	
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique)	
Sampling instrument given site water rinse prior to deployment	
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	
Sample bottle(s) correctly labeled and match the station identification	
Sample bottle(s) correctly labeled with the sample date and time	
Sample collected at 1 meter below surface	
Staff avoided contaminating samples at all times	
Equipment rinsate blank and field blank have been collected (if applicable)	NIA
Field duplicate collected (if applicable)	NIA
PPE properly removed and disposed of upon site completion	
4. Sample Storage and Transport:	
Water samples properly stored on ice in a cooler	
Water samples properly logged on COC form	
Proper persons have signed the COC	
Cooler and samples hand delivered to labs with completed COC	
Additional Notes: Slick noted/observed approx 150 m from same	Olivan
location. Floatable debn's + sheen,	
Signature of QA/QC Personnel:Date/Time:/	23/21 0
Print Name/Company: Kate Ruckley, Wood	

Station Location: C-II-W Date/Tim	ne: 22/2/
Mark each box with Y, N, or NA	0910
1. Station Occupation and Field Data Recording:	
Station GPS coordinates (approx. ± 3 m) and station identification verified	
Time of sampling recorded	
Temperature and salinity readings taken at 1 meter below surface	
Check for in-water hull cleaning operations in the area and record distance and dire	ection
General site observations recorded	
2. Sampling Procedures:	
Field staff wearing fresh, powder-free nitrile gloves	
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hatechnique)	inds
Sampling instrument given site water rinse prior to deployment	
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	V
Sample bottle(s) correctly labeled and match the station identification	
Sample bottle(s) correctly labeled with the sample date and time	
Sample collected at 1 meter below surface	
Staff avoided contaminating samples at all times	1
Equipment rinsate blank and field blank have been collected (if applicable)	N/A
Field duplicate collected (if applicable) see at C-11-DUP ON BC sheet	
PPE properly removed and disposed of upon site completion	/
4. Sample Storage and Transport:	,
Water samples properly stored on ice in a cooler	
Water samples properly logged on COC form	
Proper persons have signed the COC	
Cooler and samples hand delivered to labs with completed COC Additional Notes: MS/MSD Sample	
Signature of QA/QC Personnel: Date/Tin	ne: <u> 23 2 0</u>
Print Name/Company: Katch Buckley, Wood	-

Station Location: C-//- DUP-W/ Date/Time: /}	122/21
Mark each box with Y, N, or NA	0925
1. Station Occupation and Field Data Recording:	,
Station GPS coordinates (approx. ± 3 m) and station identification verified	
Time of sampling recorded	//
Temperature and salinity readings taken at 1 meter below surface	
Check for in-water hull cleaning operations in the area and record distance and direction from site if observed	
General site observations recorded	
2. Sampling Procedures:	
Field staff wearing fresh, powder-free nitrile gloves	
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique)	
Sampling instrument given site water rinse prior to deployment	
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	
Sample bottle(s) correctly labeled and match the station identification	
Sample bottle(s) correctly labeled with the sample date and time	
Sample collected at 1 meter below surface	
Staff avoided contaminating samples at all times	
Equipment rinsate blank-and field blank have been collected (if applicable)	NIA
Field duplicate collected (if applicable)	
PPE properly removed and disposed of upon site completion	
4. Sample Storage and Transport:	
Water samples properly stored on ice in a cooler	
Water samples properly logged on COC form	
Proper persons have signed the COC	
Cooler and samples hand delivered to labs with completed COC	
Additional Notes:	

Signature of QA/QC Personnel:	Kasek yeur	<u> </u>
Print Name/Company: Kale	Buckley, Wood	

Date/Time: 11/23/21 0930



FIELD SAMPLING QA CHECKLIST

Station Location: C-G-W \	Date/Time: 11/22/2/
Mark each box with Y, N, or NA	0940
1. Station Occupation and Field Data Recording:	,
Station GPS coordinates (approx. ± 3 m) and station identification verified	
Time of sampling recorded	ν_{\prime}
Temperature and salinity readings taken at 1 meter below surface	
Check for in-water hull cleaning operations in the area and record distant from site if observed	e and direction
General site observations recorded	
2. Sampling Procedures:	
Field staff wearing fresh, powder-free nitrile gloves	
SWAMP protocols utilized to avoid sample contamination (i.e., clean hand technique)	ds/dirty hands
Sampling instrument given site water rinse prior to deployment	
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	
Sample bottle(s) correctly labeled and match the station identification	
Sample bottle(s) correctly labeled with the sample date and time	$\mathcal{N}_{\mathcal{I}}$
Sample collected at 1 meter below surface	
Staff avoided contaminating samples at all times	
Equipment rinsate blank and field blank have been collected (if applicable	e)
Field duplicate collected (if applicable)	N/A
PPE properly removed and disposed of upon site completion	
4. Sample Storage and Transport:	
Water samples properly stored on ice in a cooler	
Water samples properly logged on COC form	
Proper persons have signed the COC Cooler and samples hand delivered to labs with completed COC	
Additional Notes: Some floatable debn's /sheen observed be organic) at sample location. Visibility	d on surface (may 6-7feet.

Print Name/Company: Kate Buckley, Wood

Signature of QA/QC Personnel:

FIELD SAMPLING QA CHECKLIST Station Location: C-8-W1 Date/Time: Mark each box with Y, N, or NA 1. Station Occupation and Field Data Recording: Station GPS coordinates (approx. ± 3 m) and station identification verified Time of sampling recorded Temperature and salinity readings taken at 1 meter below surface Check for in-water hull cleaning operations in the area and record distance and direction from site if observed General site observations recorded 2. Sampling Procedures: Field staff wearing fresh, powder-free nitrile gloves SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique) Sampling instrument given site water rinse prior to deployment Sample bottle(s) are the correct type, lab-certified, and contaminant-free Sample bottle(s) correctly labeled and match the station identification Sample bottle(s) correctly labeled with the sample date and time Sample collected at 1 meter below surface Staff avoided contaminating samples at all times Equipment rinsate blank and field blank have been collected (if applicable) Field duplicate collected (if applicable) PPE properly removed and disposed of upon site completion 4. Sample Storage and Transport: Water samples properly stored on ice in a cooler Water samples properly logged on COC form Proper persons have signed the COC Cooler and samples hand delivered to labs with completed COC Additional Notes: Some floatable debristsheen in water largy be or games) on surace @ sample location.

Signature of QA/QC Personnel: <u>Kate BUCKLEY</u> Date/Time: <u>II/23/21 093</u>0

Print Name/Company: <u>Kate BUCKLEY</u> Wood

Station Location: (-7-W) Date/Time:	11/22/21
Mark each box with Y, N, or NA	1010
1. Station Occupation and Field Data Recording:	
Station GPS coordinates (approx. <u>+</u> 3 m) and station identification verified	
Time of sampling recorded	
Temperature and salinity readings taken at 1 meter below surface	
Check for in-water hull cleaning operations in the area and record distance and direction from site if observed	on /
General site observations recorded	
2. Sampling Procedures:	
Field staff wearing fresh, powder-free nitrile gloves	
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique)	3
Sampling instrument given site water rinse prior to deployment	
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	
Sample bottle(s) correctly labeled and match the station identification	
Sample bottle(s) correctly labeled with the sample date and time	
Sample collected at 1 meter below surface	
Staff avoided contaminating samples at all times	
Equipment rinsate blank and field blank have been collected (if applicable)	N/A
Field duplicate collected (if applicable)	NIA
PPE properly removed and disposed of upon site completion	
4. Sample Storage and Transport:	
Water samples properly stored on ice in a cooler	
Water samples properly logged on COC form	
Proper persons have signed the COC Cooler and samples hand delivered to labs with completed COC	
Additional Notes: Topside Cleaning observed ~50m SE of said Visibility ~ 10ft.	mpling lo
	U/23/21 0°

Station Location: C-5-WI Date/Time: \\	22/21
Station Location: (-5-W) Mark each box with Y, N, or NA	025
1. Station Occupation and Field Data Recording:	
Station GPS coordinates (approx. ± 3 m) and station identification verified	
Time of sampling recorded	
Temperature and salinity readings taken at 1 meter below surface	
Check for in-water hull cleaning operations in the area and record distance and direction from site if observed	
General site observations recorded	
2. Sampling Procedures:	•
Field staff wearing fresh, powder-free nitrile gloves	
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique)	
Sampling instrument given site water rinse prior to deployment	
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	
Sample bottle(s) correctly labeled and match the station identification	
Sample bottle(s) correctly labeled with the sample date and time	//
Sample collected at 1 meter below surface	
Staff avoided contaminating samples at all times	
Equipment rinsate blank and field blank have been collected (if applicable)	- N/A
Field duplicate collected (if applicable)	NIA
PPE properly removed and disposed of upon site completion	
4. Sample Storage and Transport:	
Water samples properly stored on ice in a cooler	/
Water samples properly logged on COC form	
Proper persons have signed the COC	
Cooler and samples hand delivered to labs with completed COC	
Additional Notes: Visibility ~ 8 feet.	

Signature of QA/QC Personnel: _	Katchry kuly	Date/Time: <u>11/23/21_09</u> 30
D: (1) (0) (4)	e Buckley. Wood	
Print Name/Company: KA	E BUCKLEY, WOULD	

Station Location: C-1-W1 Date/Time:	11/22/4
Mark each box with Y, N, or NA	1045
1. Station Occupation and Field Data Recording:	1
Station GPS coordinates (approx. ± 3 m) and station identification verified	
Time of sampling recorded	V.
Temperature and salinity readings taken at 1 meter below surface	
Check for in-water hull cleaning operations in the area and record distance and direction from site if observed	on /
General site observations recorded	
2. Sampling Procedures:	
Field staff wearing fresh, powder-free nitrile gloves	
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique)	· ·
Sampling instrument given site water rinse prior to deployment	
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	
Sample bottle(s) correctly labeled and match the station identification	
Sample bottle(s) correctly labeled with the sample date and time	V
Sample collected at 1 meter below surface	<i>\big </i>
Staff avoided contaminating samples at all times	
Equipment rinsate blank and field blank have been collected (if applicable)	NA
Field duplicate collected (if applicable)	NIA
PPE properly removed and disposed of upon site completion	
4. Sample Storage and Transport:	
Water samples properly stored on ice in a cooler	
Water samples properly logged on COC form	
Proper persons have signed the COC	
Cooler and samples hand delivered to labs with completed COC	
Additional Notes:	

Signature of QA/QC Personnel: \(\frac{\alpha \text{Personnel:}}{\alpha \text{Dept.}} \) Date/Time: \(\frac{11/23/21 0930}{\text{O}} \)

Print Name/Company: KATE BUCK-ley, WOOD

Mark each box with Y, N, or NA 1. Station Occupation and Field Data Recording: Station GPS coordinates (approx. ± 3 m) and station identification verified Time of sampling recorded Y Temperature, salinity, and secchi disk readings taken Check for in-water hull cleaning operations in the area and record distance and direction from site if observed General site observations recorded 2. Sampling Procedures: Field staff wearing fresh, powder-free nitrile gloves SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands sechnique) Sampling instrument given site water rinse prior to deployment Sample bottle(s) are the correct type, lab-certified, and contaminant-free Sample bottle(s) correctly labeled and match the station identification Sample bottle(s) correctly labeled with the sample date and time Sample collected at 1 meter below surface Staff avoided contaminating samples at all times Equipment rinsate blank and field blank have been collected (if applicable) PPE properly removed and disposed of upon site completion 4. Sample Storage and Transport:	- I ILLD OAMI LING WA CITCALIS		
Station Occupation and Field Data Recording: Station GPS coordinates (approx. ± 3 m) and station identification verified Time of sampling recorded Temperature, salinity, and secchi disk readings taken Check for in-water hull cleaning operations in the area and record distance and direction from site if observed General site observations recorded 2. Sampling Procedures: Field staff wearing fresh, powder-free nitrile gloves SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands exchnique) Sampling instrument given site water rinse prior to deployment Sample bottle(s) are the correct type, lab-certified, and contaminant-free Sample bottle(s) correctly labeled and match the station identification Sample bottle(s) correctly labeled with the sample date and time Sample collected at 1 meter below surface Staff avoided contaminating samples at all times Equipment rinsate blank and field blank have been collected (if applicable) PPE properly removed and disposed of upon site completion 1. Sample Storage and Transport:	Station Location: $C-RPP$	Date/Time:	1/4/202
Station GPS coordinates (approx. ± 3 m) and station identification verified Time of sampling recorded Temperature, salinity, and secchi disk readings taken Check for in-water hull cleaning operations in the area and record distance and direction from site if observed General site observations recorded 2. Sampling Procedures: Field staff wearing fresh, powder-free nitrile gloves SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands rechnique) Sampling instrument given site water rinse prior to deployment Sample bottle(s) are the correct type, lab-certified, and contaminant-free Sample bottle(s) correctly labeled and match the station identification Sample bottle(s) correctly labeled with the sample date and time Sample collected at 1 meter below surface Staff avoided contaminating samples at all times Equipment rinsate blank and field blank have been collected (if applicable) PPE properly removed and disposed of upon site completion 1. Sample Storage and Transport:	Mark each box with Y, N, or NA		0840
Time of sampling recorded Temperature, salinity, and secchi disk readings taken Check for in-water hull cleaning operations in the area and record distance and direction from site if observed General site observations recorded 2. Sampling Procedures: Field staff wearing fresh, powder-free nitrile gloves SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands electnique) Sampling instrument given site water rinse prior to deployment Sample bottle(s) are the correct type, lab-certified, and contaminant-free Sample bottle(s) correctly labeled and match the station identification Sample bottle(s) correctly labeled with the sample date and time Sample collected at 1 meter below surface Staff avoided contaminating samples at all times Equipment rinsate blank and field blank have been collected (if applicable) PPE properly removed and disposed of upon site completion 1. Sample Storage and Transport:	1. Station Occupation and Field Data Recording:		
Temperature, salinity, and secchi disk readings taken Check for in-water hull cleaning operations in the area and record distance and direction from site if observed General site observations recorded 2. Sampling Procedures: Field staff wearing fresh, powder-free nitrile gloves SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands echnique) Sampling instrument given site water rinse prior to deployment Sample bottle(s) are the correct type, lab-certified, and contaminant-free Sample bottle(s) correctly labeled and match the station identification Sample bottle(s) correctly labeled with the sample date and time Sample collected at 1 meter below surface Staff avoided contaminating samples at all times Equipment rinsate blank and field blank have been collected (if applicable) PPE properly removed and disposed of upon site completion 1. Sample Storage and Transport:	Station GPS coordinates (approx. ± 3 m) and station identification verification	fied	V
Check for in-water hull cleaning operations in the area and record distance and direction from site if observed General site observations recorded 2. Sampling Procedures: Field staff wearing fresh, powder-free nitrile gloves SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique) Sampling instrument given site water rinse prior to deployment Sample bottle(s) are the correct type, lab-certified, and contaminant-free Sample bottle(s) correctly labeled and match the station identification Sample bottle(s) correctly labeled with the sample date and time Sample collected at 1 meter below surface Staff avoided contaminating samples at all times Equipment rinsate blank and field blank have been collected (if applicable) PEE properly removed and disposed of upon site completion 1. Sample Storage and Transport:	Time of sampling recorded		. У
General site observations recorded 2. Sampling Procedures: Field staff wearing fresh, powder-free nitrile gloves SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique) Sampling instrument given site water rinse prior to deployment Sample bottle(s) are the correct type, lab-certified, and contaminant-free Sample bottle(s) correctly labeled and match the station identification Sample bottle(s) correctly labeled with the sample date and time Sample collected at 1 meter below surface Staff avoided contaminating samples at all times Equipment rinsate blank and field blank have been collected (if applicable) PPE properly removed and disposed of upon site completion 4. Sample Storage and Transport:	Temperature, salinity, and secchi disk readings taken		V
2. Sampling Procedures: Field staff wearing fresh, powder-free nitrile gloves SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique) Sampling instrument given site water rinse prior to deployment Sample bottle(s) are the correct type, lab-certified, and contaminant-free Sample bottle(s) correctly labeled and match the station identification Sample bottle(s) correctly labeled with the sample date and time Sample collected at 1 meter below surface Staff avoided contaminating samples at all times Equipment rinsate blank and field blank have been collected (if applicable) PPE properly removed and disposed of upon site completion 1. Sample Storage and Transport:	Check for in-water hull cleaning operations in the area and record dista from site if observed	ance and direction	on NA
Field staff wearing fresh, powder-free nitrile gloves SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique) Sampling instrument given site water rinse prior to deployment Sample bottle(s) are the correct type, lab-certified, and contaminant-free Sample bottle(s) correctly labeled and match the station identification Sample bottle(s) correctly labeled with the sample date and time Sample collected at 1 meter below surface Staff avoided contaminating samples at all times Equipment rinsate blank and field blank have been collected (if applicable) Field duplicate collected (if applicable) PPE properly removed and disposed of upon site completion 1. Sample Storage and Transport:	General site observations recorded		Y
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands sechnique) Sampling instrument given site water rinse prior to deployment Sample bottle(s) are the correct type, lab-certified, and contaminant-free Sample bottle(s) correctly labeled and match the station identification Sample bottle(s) correctly labeled with the sample date and time Sample collected at 1 meter below surface Staff avoided contaminating samples at all times Equipment rinsate blank and field blank have been collected (if applicable) Field duplicate collected (if applicable) PPE properly removed and disposed of upon site completion 1. Sample Storage and Transport:	2. Sampling Procedures:		
Sampling instrument given site water rinse prior to deployment Sample bottle(s) are the correct type, lab-certified, and contaminant-free Sample bottle(s) correctly labeled and match the station identification Sample bottle(s) correctly labeled with the sample date and time Sample collected at 1 meter below surface Staff avoided contaminating samples at all times Equipment rinsate blank and field blank have been collected (if applicable) Field duplicate collected (if applicable) PPE properly removed and disposed of upon site completion 1. Sample Storage and Transport:	Field staff wearing fresh, powder-free nitrile gloves		X
Sample bottle(s) are the correct type, lab-certified, and contaminant-free Sample bottle(s) correctly labeled and match the station identification Sample bottle(s) correctly labeled with the sample date and time Sample collected at 1 meter below surface Staff avoided contaminating samples at all times Equipment rinsate blank and field blank have been collected (if applicable) Field duplicate collected (if applicable) PPE properly removed and disposed of upon site completion 1. Sample Storage and Transport:	SWAMP protocols utilized to avoid sample contamination (i.e., clean hat technique)	ands/dirty hands	s Y
Sample bottle(s) correctly labeled and match the station identification Sample bottle(s) correctly labeled with the sample date and time Sample collected at 1 meter below surface Staff avoided contaminating samples at all times Equipment rinsate blank and field blank have been collected (if applicable) Field duplicate collected (if applicable) PPE properly removed and disposed of upon site completion 1. Sample Storage and Transport:	Sampling instrument given site water rinse prior to deployment		У
Sample bottle(s) correctly labeled with the sample date and time Sample collected at 1 meter below surface Staff avoided contaminating samples at all times Equipment rinsate blank and field blank have been collected (if applicable) Field duplicate collected (if applicable) PPE properly removed and disposed of upon site completion 1. Sample Storage and Transport:	Sample bottle(s) are the correct type, lab-certified, and contaminant-fre	ee	У
Sample collected at 1 meter below surface Staff avoided contaminating samples at all times Equipment rinsate blank and field blank have been collected (if applicable) Field duplicate collected (if applicable) PPE properly removed and disposed of upon site completion 1. Sample Storage and Transport:	Sample bottle(s) correctly labeled and match the station identification	· · · · · · · · · · · · · · · · · · ·	Y
Staff avoided contaminating samples at all times Equipment rinsate blank and field blank have been collected (if applicable) Field duplicate collected (if applicable) PPE properly removed and disposed of upon site completion Sample Storage and Transport:	Sample bottle(s) correctly labeled with the sample date and time		Ý
Equipment rinsate blank and field blank have been collected (if applicable) Field duplicate collected (if applicable) PPE properly removed and disposed of upon site completion Sample Storage and Transport:	Sample collected at 1 meter below surface		y'
PPE properly removed and disposed of upon site completion Sample Storage and Transport:	Staff avoided contaminating samples at all times		V
PPE properly removed and disposed of upon site completion Sample Storage and Transport:	Equipment rinsate blank and field blank have been collected (if applica	ble)	N'A
1. Sample Storage and Transport:	Field duplicate collected (if applicable)		isA
	PPE properly removed and disposed of upon site completion		Y
	4. Sample Storage and Transport:		
	Water samples properly stored on ice in a cooler		У
	Water samples properly logged on COC form		Ý
	Proper persons have signed the COC		'y
cooler and samples hand delivered to labs with completed COC	Cooler and samples hand delivered to labs with completed COC		<i>Y</i>
Additional Notes:	Additional Notes:		

None

Signature of QA/QC Personnel: Barry J. Snyder Date/Time: 1/5/2022

Print Name/Company: Barry J. Snyder Wood 1030

-		
Station Location: $C-Ref$	Date/Time:	1/4/202
Mark each box with Y, N, or NA		0855
1. Station Occupation and Field Data Recording:		
Station GPS coordinates (approx. <u>+</u> 3 m) and station identification verification	 ed	\/
Time of sampling recorded		×
Temperature, salinity, and secchi disk readings taken		
Check for in-water hull cleaning operations in the area and record distar	nce and direction	on NA
General site observations recorded		У
2. Sampling Procedures:		
Field staff wearing fresh, powder-free nitrile gloves		У
SWAMP protocols utilized to avoid sample contamination (i.e., clean ha echnique)	nds/dirty hands	y
Sampling instrument given site water rinse prior to deployment		Y
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	е	У
Sample bottle(s) correctly labeled and match the station identification		Y
Sample bottle(s) correctly labeled with the sample date and time		ý
Sample collected at 1 meter below surface		Y
Staff avoided contaminating samples at all times	×	Y
Equipment rinsate blank and field blank have been collected (if applicat	ole)	NA
Field duplicate collected (if applicable)		WA
PPE properly removed and disposed of upon site completion		Y
I. Sample Storage and Transport:		
Vater samples properly stored on ice in a cooler		Y
Vater samples properly logged on COC form		Ý
Proper persons have signed the COC		Y
Cooler and samples hand delivered to labs with completed COC Additional Notes:	-	<i>Y</i>
Print Name/Company: Barry J. Snyder	Date/Time: _ <i>Wood</i>	1/5/202
rint Name/Company: 13 arry J · Snyder	VVVVV	

Station Location: C- /2	Date/Time:	1.14/2
Mark each box with Y, N, or NA		0910
1. Station Occupation and Field Data Recording:		
Station GPS coordinates (approx. ± 3 m) and station identification verified		V
Time of sampling recorded		
Temperature, salinity, and secchi disk readings taken		· ·
Check for in-water hull cleaning operations in the area and record distance from site if observed	and direction	Y
General site observations recorded		V
2. Sampling Procedures:	,	
Field staff wearing fresh, powder-free nitrile gloves		
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands technique)	/dirty hands	- <i>'</i>
Sampling instrument given site water rinse prior to deployment		
Sample bottle(s) are the correct type, lab-certified, and contaminant-free		4
Sample bottle(s) correctly labeled and match the station identification		-
Sample bottle(s) correctly labeled with the sample date and time		
Sample collected at 1 meter below surface		
Staff avoided contaminating samples at all times		X
Equipment rinsate blank and field blank have been collected (if applicable)		NA
Field duplicate collected (if applicable)		MA
PPE properly removed and disposed of upon site completion		1
4. Sample Storage and Transport:		
Water samples properly stored on ice in a cooler		
Water samples properly logged on COC form		
Proper persons have signed the COC		Y
Cooler and samples hand delivered to labs with completed COC		Y
Additional Notes:		
None		
Signature of ON/OC Porsonnel Burns J. Small	/	15/202

Signature of QA/QC Personnel: Many J. Smylle Date/Time: 1/5/2022

Print Name/Company: Barry J. Snyder Wood 1030

Station Location: (-/0)	ate/Time: //4/20	12
Mark each box with Y, N, or NA	0925	
1. Station Occupation and Field Data Recording:		
Station GPS coordinates (approx. ± 3 m) and station identification verified	\/	,
Time of sampling recorded		1
Temperature, salinity, and secchi disk readings taken	- Y	,
Check for in-water hull cleaning operations in the area and record distance a from site if observed	and direction	
General site observations recorded		
2. Sampling Procedures:		
Field staff wearing fresh, powder-free nitrile gloves	У	
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/technique)	dirty hands	
Sampling instrument given site water rinse prior to deployment	V	1
Sample bottle(s) are the correct type, lab-certified, and contaminant-free		/
Sample bottle(s) correctly labeled and match the station identification	/	<i>i</i>
Sample bottle(s) correctly labeled with the sample date and time	V	/
Sample collected at 1 meter below surface		/
Staff avoided contaminating samples at all times	- V	
Equipment rinsate blank and field blank have been collected (if applicable)	M/	1
Field duplicate collected (if applicable)	/ V /	A
PPE properly removed and disposed of upon site completion	/// · X	1
4. Sample Storage and Transport:		
Water samples properly stored on ice in a cooler		
Water samples properly logged on COC form	V	
Proper persons have signed the COC	Y	
Cooler and samples hand delivered to labs with completed COC	y	2
Additional Notes:		
None		
Signature of QA/QC Personnel: Many J. Smydn Da	ute/Time://5/2	202
Barry T. Snyder	1030	1

Station Location: C - 1/ Date/Time: 1/4	12022
Station Location: C - 1/ Date/Time: 1/4/ Mark each box with Y, N, or NA 0935	-
1. Station Occupation and Field Data Recording:	
Station GPS coordinates (approx. ± 3 m) and station identification verified	V
Time of sampling recorded	V
Temperature, salinity, and secchi disk readings taken	Y
Check for in-water hull cleaning operations in the area and record distance and direction from site if observed	У
General site observations recorded	y
2. Sampling Procedures:	
Field staff wearing fresh, powder-free nitrile gloves	X
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique)	У
Sampling instrument given site water rinse prior to deployment	Y
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	Y
Sample bottle(s) correctly labeled and match the station identification	y
Sample bottle(s) correctly labeled with the sample date and time	y
Sample collected at 1 meter below surface	У
Staff avoided contaminating samples at all times	Y
Equipment rinsate blank and field blank have been collected (if applicable)	MA
Field duplicate collected (if applicable)	NA
PPE properly removed and disposed of upon site completion	Y
4. Sample Storage and Transport:	·
Water samples properly stored on ice in a cooler	X
Water samples properly logged on COC form	Y
Proper persons have signed the COC	'Y
Cooler and samples hand delivered to labs with completed COC	Y
Additional Notes:	

None

Signature of QA/QC Personnel: Namy J. Smylle Date/Time: 1/5/2022

Print Name/Company: Barry J. Snyller Wood 1030

- Indian End &A Chieckers	
Station Location: C - 9 Date/Time: /	14/2022
Station Location: C - 9 Mark each box with Y, N, or NA	0950
1. Station Occupation and Field Data Recording:	
Station GPS coordinates (approx. ± 3 m) and station identification verified	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Time of sampling recorded	-
Temperature, salinity, and secchi disk readings taken	
Check for in-water hull cleaning operations in the area and record distance and direction from site if observed	
General site observations recorded	
2. Sampling Procedures:	/
Field staff wearing fresh, powder-free nitrile gloves	V
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique)	Y
Sampling instrument given site water rinse prior to deployment	V
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	V
Sample bottle(s) correctly labeled and match the station identification	×
Sample bottle(s) correctly labeled with the sample date and time	Y
Sample collected at 1 meter below surface	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Staff avoided contaminating samples at all times	
Equipment rinsate blank and field blank have been collected (if applicable)	NA
Field duplicate collected (if applicable)	NA
PPE properly removed and disposed of upon site completion	V
4. Sample Storage and Transport:	7
Water samples properly stored on ice in a cooler	
Water samples properly logged on COC form	Ý
Proper persons have signed the COC	X
Cooler and samples hand delivered to labs with completed COC	y
Additional Notes:	,

None

Signature of QA/QC Personnel: <u>Barry J. Snyder Wood</u> 1/5/2022

Print Name/Company: <u>Barry J. Snyder Wood</u> 1030

Station Location: $C - g$	Date/Time:	14/202
Mark each box with Y, N, or NA		14/202
1. Station Occupation and Field Data Recording:		
Station GPS coordinates (approx. ± 3 m) and station identification verified		V.
Time of sampling recorded		
Temperature, salinity, and secchi disk readings taken		
Check for in-water hull cleaning operations in the area and record distant from site if observed	e and direction	\ \forall \ \forall \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
General site observations recorded		Ý
2. Sampling Procedures:		
Field staff wearing fresh, powder-free nitrile gloves		V
SWAMP protocols utilized to avoid sample contamination (i.e., clean hand technique)	ds/dirty hands	Ý
Sampling instrument given site water rinse prior to deployment		X
Sample bottle(s) are the correct type, lab-certified, and contaminant-free		, X
Sample bottle(s) correctly labeled and match the station identification		T V
Sample bottle(s) correctly labeled with the sample date and time		
Sample collected at 1 meter below surface		×
Staff avoided contaminating samples at all times		Y
Equipment rinsate blank and field blank have been collected (if applicable)	NA
Field duplicate collected (if applicable)	•	NA
PPE properly removed and disposed of upon site completion		У
4. Sample Storage and Transport:		
Water samples properly stored on ice in a cooler		
Water samples properly logged on COC form		У
Proper persons have signed the COC		y
Cooler and samples hand delivered to labs with completed COC		У
Additional Notes:		
None		
Signature of QA/QC Personnel: May J. Smych. Print Name/Company: Barry J. Snyder wood	Date/Time: //	5/2022
Print Name/Company: 13 arry J. Snyder Wood		1030

Station Location: C-7	ate/Time: 1/4/2022
Mark each box with Y, N, or NA	10:10
1. Station Occupation and Field Data Recording:	
Station GPS coordinates (approx. ± 3 m) and station identification verified	V*
Time of sampling recorded	(/
Temperature, salinity, and secchi disk readings taken	· ·
Check for in-water hull cleaning operations in the area and record distance a from site if observed	and direction
General site observations recorded	ý
2. Sampling Procedures:	,
Field staff wearing fresh, powder-free nitrile gloves	Y
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/otechnique)	dirty hands
Sampling instrument given site water rinse prior to deployment	У
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	У
Sample bottle(s) correctly labeled and match the station identification	X
Sample bottle(s) correctly labeled with the sample date and time	V
Sample collected at 1 meter below surface	У
Staff avoided contaminating samples at all times	Y
Equipment rinsate blank and field blank have been collected (if applicable)	NA NA
Field duplicate collected (if applicable)	NA
PPE properly removed and disposed of upon site completion	У
4. Sample Storage and Transport:	
Water samples properly stored on ice in a cooler	У
Water samples properly logged on COC form	· //
Proper persons have signed the COC	Y
Cooler and samples hand delivered to labs with completed COC	Y Y
Additional Notes:	
None	
* Station 10 verified. Farther than 3	m
* Station ID verified. Farther than 3 respectively. Farther than 3 respectively. Supply Da Print Name/Company: Barry J. Snyder wood	ite/Time:
Print Name/Company: Barry J. Snyder Would	1030

Mark each box with Y, N, or NA 1. Station Occupation and Field Data Recording: Station GPS coordinates (approx. ± 3 m) and station identification verified		1/4/20
Station GPS coordinates (approx. <u>+</u> 3 m) and station identification verified	d	
	d	
		V
Time of sampling recorded		/r
Temperature, salinity, and secchi disk readings taken		
Check for in-water hull cleaning operations in the area and record distant from site if observed	e and direction	on y*
General site observations recorded		Y
2. Sampling Procedures:		
Field staff wearing fresh, powder-free nitrile gloves		V
SWAMP protocols utilized to avoid sample contamination (i.e., clean hand technique)	ds/dirty hands	; Y
Sampling instrument given site water rinse prior to deployment		V
Sample bottle(s) are the correct type, lab-certified, and contaminant-free		V
Sample bottle(s) correctly labeled and match the station identification		V
Sample bottle(s) correctly labeled with the sample date and time		V
Sample collected at 1 meter below surface		V
Staff avoided contaminating samples at all times		V
Equipment rinsate blank and field blank have been collected (if applicable	e)	NA
Field duplicate collected (if applicable)		NA
PPE properly removed and disposed of upon site completion		У
4. Sample Storage and Transport:		,
Water samples properly stored on ice in a cooler		У
Water samples properly logged on COC form		ý
Proper persons have signed the COC Cooler and samples hand delivered to labs with completed COC		y
Additional Notes:		Y
Signature of QA/QC Personnel: Bamy J. Smydlu Print Name/Company: Barry J. Snyder woo	Date/Time: _	1/5/20;

	1/ /
Station Location: C - 5	Date/Time: 1/4/2022
Mark each box with Y, N, or NA	1035
1. Station Occupation and Field Data Recording:	
Station GPS coordinates (approx. <u>+</u> 3 m) and station identification verifie	ed
Time of sampling recorded	Ý
Temperature, salinity, and secchi disk readings taken	<u> </u>
Check for in-water hull cleaning operations in the area and record distant from site if observed	nce and direction
General site observations recorded	4
2. Sampling Procedures:	
Field staff wearing fresh, powder-free nitrile gloves	V
SWAMP protocols utilized to avoid sample contamination (i.e., clean har technique)	nds/dirty hands
Sampling instrument given site water rinse prior to deployment	Ý
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	9
Sample bottle(s) correctly labeled and match the station identification	Y
Sample bottle(s) correctly labeled with the sample date and time	Y
Sample collected at 1 meter below surface	ý
Staff avoided contaminating samples at all times	Ý
Equipment rinsate blank and field blank have been collected (if applicab	le) NA
Field duplicate collected (if applicable)	NA
PPE properly removed and disposed of upon site completion	Y
4. Sample Storage and Transport:	
Water samples properly stored on ice in a cooler	У
Water samples properly logged on COC form	1/
Proper persons have signed the COC Cooler and samples hand delivered to labs with completed COC	
Additional Notes:	7
None	
Signature of QA/QC Personnel: <u>Barry J. Snyder</u> Print Name/Company: <u>Barry J. Snyder</u> Wa	_ Date/Time:
Print Name/Company: Barry J. Snyder Wo	1030

TILLD SAMPLING QA CHECKLIST		
Station Location:	Date/Time: //	4/202
Mark each box with Y, N, or NA	Date/Time: / /	1100
1. Station Occupation and Field Data Recording:		
Station GPS coordinates (approx. ± 3 m) and station identification verified		\ \
Time of sampling recorded		- '
Temperature, salinity, and secchi disk readings taken		· /
Check for in-water hull cleaning operations in the area and record distance from site if observed	and direction	Y
General site observations recorded		Ý
2. Sampling Procedures:	2	
Field staff wearing fresh, powder-free nitrile gloves		
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands technique)	s/dirty hands	×
Sampling instrument given site water rinse prior to deployment		· /
Sample bottle(s) are the correct type, lab-certified, and contaminant-free		Y
Sample bottle(s) correctly labeled and match the station identification		V
Sample bottle(s) correctly labeled with the sample date and time		ý
Sample collected at 1 meter below surface		· ·
Staff avoided contaminating samples at all times		8
Equipment rinsate blank and field blank have been collected (if applicable)	F4	NA-
Field duplicate collected (if applicable)		NA
PPE properly removed and disposed of upon site completion		Y
4. Sample Storage and Transport:		
Water samples properly stored on ice in a cooler		
Water samples properly logged on COC form		- X
Proper persons have signed the COC		- -
Cooler and samples hand delivered to labs with completed COC		Y
Additional Notes:		
Topside deanins 50 Ft to south		
Bon T San O	. /	-/
Signature of QA/QC Personnel: Barry J. Snyder Print Name/Company: Barry J. Snyder	Date/Time:	5/2022
Print Name/Commany Barry J. Snyder		1030

Station Location: $ReF-2$	Date/Time: 3/8/22
Mark each box with Y, N, or NA	09:10
1. Station Occupation and Field Data Recording:	
Station GPS coordinates (approx. ± 3 m) and station identification verified	V
Time of sampling recorded	/
Temperature, salinity, and secchi disk readings taken	\/
Check for in-water hull cleaning operations in the area and record distance from site if observed	and direction NA
General site observations recorded	
2. Sampling Procedures:	
Field staff wearing fresh, powder-free nitrile gloves	У
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands technique)	s/dirty hands
Sampling instrument given site water rinse prior to deployment	Y
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	У
Sample bottle(s) correctly labeled and match the station identification	У
Sample bottle(s) correctly labeled with the sample date and time	· /
Sample collected at 1 meter below surface	У
Staff avoided contaminating samples at all times	ý
Equipment rinsate blank and field blank have been collected (if applicable)	NA
Field duplicate collected (if applicable)	NA
PPE properly removed and disposed of upon site completion	Y
4. Sample Storage and Transport:	
Water samples properly stored on ice in a cooler	V
Water samples properly logged on COC form	Ý
Proper persons have signed the COC	
Cooler and samples hand delivered to labs with completed COC	Y Y
Additional Notes:	
None	
Signature of QA/QC Personnel: Bany J. Smylla D	3/9/22
	09:50
Print Name/Company:	

Station Location: $Ref-/$ Date/Time:	3/8/22
Mark each box with Y, N, or NA	0925
1. Station Occupation and Field Data Recording:	
Station GPS coordinates (approx. <u>+</u> 3 m) and station identification verified	Ý
Time of sampling recorded	
remperature, salinity, and secchi disk readings taken	Ý
Check for in-water hull cleaning operations in the area and record distance and direction rom site if observed	on NA
General site observations recorded	У
2. Sampling Procedures:	
Field staff wearing fresh, powder-free nitrile gloves	Y
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique)	,
Sampling instrument given site water rinse prior to deployment	У
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	Y
Sample bottle(s) correctly labeled and match the station identification	¹ y
Sample bottle(s) correctly labeled with the sample date and time	Ý
Sample collected at 1 meter below surface	Ý
Staff avoided contaminating samples at all times	y y
Equipment rinsate blank and field blank have been collected (if applicable)	NAX
Field duplicate collected (if applicable)	NA
PPE properly removed and disposed of upon site completion	У
4. Sample Storage and Transport:	
Water samples properly stored on ice in a cooler	У
Water samples properly logged on COC form	Y
Proper persons have signed the COC Cooler and samples hand delivered to labs with completed COC	У
Societ and samples hand delivered to labs with completed COC	X
Additional Notes:	
None	
	, I
Signature of QA/QC Personnel:	3/9/22
Print Name/Company:	09:50

Station Location: E - 20	Date/Time:	3/8/22
Mark each box with Y, N, or NA		09:50
1. Station Occupation and Field Data Recording:		BJS
Station GPS coordinates (approx. ± 3 m) and station identification verified	d	XY
Time of sampling recorded		V
Temperature, salinity, and secchi disk readings taken		Y
Check for in-water hull cleaning operations in the area and record distant from site if observed	ce and direction	n y
General site observations recorded see note below		X
2. Sampling Procedures:		
Field staff wearing fresh, powder-free nitrile gloves		Y
SWAMP protocols utilized to avoid sample contamination (i.e., clean hand technique)	ds/dirty hands	y
Sampling instrument given site water rinse prior to deployment		Y
Sample bottle(s) are the correct type, lab-certified, and contaminant-free		У
Sample bottle(s) correctly labeled and match the station identification		Y
Sample bottle(s) correctly labeled with the sample date and time		Ý
Sample collected at 1 meter below surface		×
Staff avoided contaminating samples at all times		X
Equipment rinsate blank and field blank have been collected (if applicable	9)	NA
Field duplicate collected (if applicable)		NA
PPE properly removed and disposed of upon site completion		Y
4. Sample Storage and Transport:		
Water samples properly stored on ice in a cooler		X
Water samples properly logged on COC form		Ý
Proper persons have signed the COC Cooler and samples hand delivered to labs with completed COC		<u> </u>
Additional Notes: E-20 delayed due to topside cleaning of	and Soo	
bubbles in the water.	Marte Di	is L deato
located to other side of dock - 6++ 10	11115	is may 0
Signature of QA/QC Personnel:	Date/Time: _	3/9/22
bubbles in the water. To cated to other side of dock to pside clear Signature of QA/QC Personnel: Print Name/Company: Myyy J. Smylle		09:50
Wood		

Station Location: C-/2 Date/Time: 3/ Mark each box with Y, N, or NA	8/22
Mark each box with Y, N, or NA	:40
1. Station Occupation and Field Data Recording:	
Station GPS coordinates (approx. <u>+</u> 3 m) and station identification verified	V
Time of sampling recorded	
Temperature, salinity, and secchi disk readings taken	
Check for in-water hull cleaning operations in the area and record distance and direction from site if observed	У
General site observations recorded top side cleaning noted	Y
2. Sampling Procedures:	
Field staff wearing fresh, powder-free nitrile gloves	Y
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique)	Y
Sampling instrument given site water rinse prior to deployment	Y
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	Y
Sample bottle(s) correctly labeled and match the station identification	X
Sample bottle(s) correctly labeled with the sample date and time	Y
Sample collected at 1 meter below surface	X
Staff avoided contaminating samples at all times	Y
Equipment rinsate blank and field blank have been collected (if applicable)	NA
Field duplicate collected (if applicable)	NA
PPE properly removed and disposed of upon site completion	У
4. Sample Storage and Transport: Water samples properly stored on ice in a cooler	
Water samples properly logged on COC form	X
Proper persons have signed the COC	Y
Cooler and samples hand delivered to labs with completed COC	Ý
Additional Notes:	
None	
Signature of QA/QC Personnel: Many J. Smylln Date/Time: 310	9/22
Print Name/Company: Wood	4-50

Station Location: E-19 Date/Time	e: 3/8/22 10:10
Mark each box with Y, N, or NA	10:10
1. Station Occupation and Field Data Recording:	
Station GPS coordinates (approx. ± 3 m) and station identification verified	Y .
Time of sampling recorded	Y
Temperature, salinity, and secchi disk readings taken	ý
Check for in-water hull cleaning operations in the area and record distance and dire from site if observed	ction
General site observations recorded	Y
2. Sampling Procedures:	
Field staff wearing fresh, powder-free nitrile gloves	Y
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hatechnique)	nds
Sampling instrument given site water rinse prior to deployment	Y
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	У
Sample bottle(s) correctly labeled and match the station identification	y
Sample bottle(s) correctly labeled with the sample date and time	X
Sample collected at 1 meter below surface	Y
Staff avoided contaminating samples at all times	y
Equipment rinsate blank and field blank have been collected (if applicable)	XNE
Field duplicate collected (if applicable)	<i>Y</i>
PPE properly removed and disposed of upon site completion	У
4. Sample Storage and Transport:	
Water samples properly stored on ice in a cooler	Y
Water samples properly logged on COC form	Y
Proper persons have signed the COC	
Cooler and samples hand delivered to labs with completed COC	γ
Additional Notes:	
Nono	
Signature of QA/QC Personnel: Many J. Smylln Date/Tin	ne: $\frac{3/9/22}{}$
Print Name/Company: Wood	09:50

Station Location: E-19 Dup Date/Time: 3/8	8/22
Mark each box with Y, N, or NA	20
1. Station Occupation and Field Data Recording:	
Station GPS coordinates (approx. ± 3 m) and station identification verified	Y
Time of sampling recorded	Y
Temperature, salinity, and secchi disk readings taken	Y
Check for in-water hull cleaning operations in the area and record distance and direction from site if observed	YX
General site observations recorded	Y
2. Sampling Procedures:	
Field staff wearing fresh, powder-free nitrile gloves	У
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique)	Y
Sampling instrument given site water rinse prior to deployment	Y
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	У
Sample bottle(s) correctly labeled and match the station identification	X
Sample bottle(s) correctly labeled with the sample date and time	У
Sample collected at 1 meter below surface	X
Staff avoided contaminating samples at all times	У
Equipment rinsate blank and field blank have been collected (if applicable)	NA
Field duplicate collected (if applicable)	Y
PPE properly removed and disposed of upon site completion	<u> </u>
4. Sample Storage and Transport:	
Water samples properly stored on ice in a cooler	X
Water samples properly logged on COC form	7
Proper persons have signed the COC Cooler and samples hand delivered to labs with completed COC	7
Additional Notes: * Hull cleaner diserved - See Field 1	rites
oull 3376 for details (at SWYC)	
- gn 4" 21	9/2-
Signature of QA/QC Personnel: hamy J. Smyll Date/Time: 3/	1122
Print Name/Company:	9:50

Station Location: C - 10 Da	ate/Time: 3/8/22
Mark each box with Y, N, or NA	10:36
1. Station Occupation and Field Data Recording:	
Station GPS coordinates (approx. <u>+</u> 3 m) and station identification verified	Y
Time of sampling recorded	Y
Temperature, salinity, and secchi disk readings taken	Ý
Check for in-water hull cleaning operations in the area and record distance a from site if observed	and direction
General site observations recorded	Y
2. Sampling Procedures:	
Field staff wearing fresh, powder-free nitrile gloves	Y
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/technique)	dirty hands
Sampling instrument given site water rinse prior to deployment	У
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	Y
Sample bottle(s) correctly labeled and match the station identification	У
Sample bottle(s) correctly labeled with the sample date and time	Ý
Sample collected at 1 meter below surface	Y'
Staff avoided contaminating samples at all times	Y
Equipment rinsate blank and field blank have been collected (if applicable)	NA
Field duplicate collected (if applicable)	NA
PPE properly removed and disposed of upon site completion	Y
4. Sample Storage and Transport:	
Water samples properly stored on ice in a cooler	Ý
Water samples properly logged on COC form	Y
Proper persons have signed the COC	<u> </u>
Cooler and samples hand delivered to labs with completed COC	
Additional Notes:	
None	
Signature of QA/QC Personnel:	Date/Time: 3/9/22
Print Name/Company:	09:50

Station Location: Call Date/Time: 3	18/22
Mark each box with Y, N, or NA)
1. Station Occupation and Field Data Recording:	
Station GPS coordinates (approx. <u>+</u> 3 m) and station identification verified	У
Time of sampling recorded	Y
Temperature, salinity, and secchi disk readings taken	Y'
Check for in-water hull cleaning operations in the area and record distance and direction from site if observed	У
General site observations recorded	·
2. Sampling Procedures:	
Field staff wearing fresh, powder-free nitrile gloves	Y
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique)	×
Sampling instrument given site water rinse prior to deployment	Y
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	Ý
Sample bottle(s) correctly labeled and match the station identification	Y
Sample bottle(s) correctly labeled with the sample date and time	Y
Sample collected at 1 meter below surface	×
Staff avoided contaminating samples at all times	Y
Equipment rinsate blank and field blank have been collected (if applicable)	NA
Field duplicate collected (if applicable)	NA
PPE properly removed and disposed of upon site completion	У
4. Sample Storage and Transport:	,
Water samples properly stored on ice in a cooler	Y
Water samples properly logged on COC form	4
Proper persons have signed the COC Cooler and samples hand delivered to labs with completed COC	7
Additional Notes:	7
None Bans t. Smide	3/9/2-2
Signature of QA/QC Personnel:	9:57)
Print Name/Company:	1 10

Station Location: C-9 Date/Time: 3/	18/22
Mark each box with Y, N, or NA	:47
1. Station Occupation and Field Data Recording:	
Station GPS coordinates (approx. <u>+</u> 3 m) and station identification verified	Y
Time of sampling recorded	Ý
Temperature, salinity, and secchi disk readings taken	Y
Check for in-water hull cleaning operations in the area and record distance and direction from site if observed	Y
General site observations recorded	Y
2. Sampling Procedures:	,
Field staff wearing fresh, powder-free nitrile gloves	Y
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique)	У
Sampling instrument given site water rinse prior to deployment	У
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	Y
Sample bottle(s) correctly labeled and match the station identification	Y
Sample bottle(s) correctly labeled with the sample date and time	Y
Sample collected at 1 meter below surface	У
Staff avoided contaminating samples at all times	, y
Equipment rinsate blank and field blank have been collected (if applicable)	NA
Field duplicate collected (if applicable)	NA
PPE properly removed and disposed of upon site completion	'y
4. Sample Storage and Transport:	
Water samples properly stored on ice in a cooler	X
Water samples properly logged on COC form	Y
Proper persons have signed the COC	, y
Cooler and samples hand delivered to labs with completed COC Additional Notes:	1 /
Signature of QA/QC Personnel:	19/22

4	2	1
Station Location:	Date/Time: 3/8	122
Mark each box with Y, N, or NA	10:5	5
1. Station Occupation and Field Data Recording:		
		1/
Station GPS coordinates (approx. ± 3 m) and station identification verified		<u> </u>
Time of sampling recorded		<u> </u>
Temperature, salinity, and secchi disk readings taken		Y
Check for in-water hull cleaning operations in the area and record distance from site if observed	and direction	Y
General site observations recorded		Y
2. Sampling Procedures:		
Field staff wearing fresh, powder-free nitrile gloves		Y
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands technique)	/dirty hands	Y
Sampling instrument given site water rinse prior to deployment		Y
Sample bottle(s) are the correct type, lab-certified, and contaminant-free		Y
Sample bottle(s) correctly labeled and match the station identification		X
Sample bottle(s) correctly labeled with the sample date and time		Y
Sample collected at 1 meter below surface		X
Staff avoided contaminating samples at all times		Y
Equipment rinsate blank and field blank have been collected (if applicable)		WA
Field duplicate collected (if applicable)		NA
PPE properly removed and disposed of upon site completion		Y
4. Sample Storage and Transport:		•
Water samples properly stored on ice in a cooler		Y
Water samples properly logged on COC form		4
Proper persons have signed the COC		Ý
Cooler and samples hand delivered to labs with completed COC		Y
Additional Notes:		
None		
Signature of QA/QC Personnel: Many J. Smyll E	Date/Time: 3/9/	122
Print Name/Company: Wood	09	1:471
Print Name/Company:		

Station Location:	Date/Time:	3/8/22
Mark each box with Y, N, or NA		1105
1. Station Occupation and Field Data Recording:		
Station GPS coordinates (approx. ± 3 m) and station identification verified		N×
Time of sampling recorded		Y
Temperature, salinity, and secchi disk readings taken		У
Check for in-water hull cleaning operations in the area and record distance from site if observed	e and directio	on y
General site observations recorded		Y.
2. Sampling Procedures:		,
Field staff wearing fresh, powder-free nitrile gloves		Y
SWAMP protocols utilized to avoid sample contamination (i.e., clean hand technique)	ds/dirty hands	у У
Sampling instrument given site water rinse prior to deployment		У
Sample bottle(s) are the correct type, lab-certified, and contaminant-free		У
Sample bottle(s) correctly labeled and match the station identification		×
Sample bottle(s) correctly labeled with the sample date and time		Y
Sample collected at 1 meter below surface		Y
Staff avoided contaminating samples at all times		Y
Equipment rinsate blank and field blank have been collected (if applicable	e)	NA
Field duplicate collected (if applicable)		NA
PPE properly removed and disposed of upon site completion		Y
4. Sample Storage and Transport:		
Water samples properly stored on ice in a cooler		
Water samples properly logged on COC form Proper persons have signed the COC		7
Cooler and samples hand delivered to labs with completed COC		4
Additional Notes:		
		3/4/2
Signature of QA/QC Personnel: Many J Smych Wood	_ Date/Time:	1/9/22
Print Name/Company:		09:50

Station Location: E - 17 Date/Time:	318172
Mark each box with Y, N, or NA	11:15
1. Station Occupation and Field Data Recording:	
Station GPS coordinates (approx. <u>+</u> 3 m) and station identification verified	У
Time of sampling recorded	·Y
Temperature, salinity, and secchi disk readings taken	Y
Check for in-water hull cleaning operations in the area and record distance and direction from site if observed	У
General site observations recorded	Y
2. Sampling Procedures:	
Field staff wearing fresh, powder-free nitrile gloves	У
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique)	Y
Sampling instrument given site water rinse prior to deployment	Y
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	У
Sample bottle(s) correctly labeled and match the station identification	Y
Sample bottle(s) correctly labeled with the sample date and time	Y
Sample collected at 1 meter below surface	· Y
Staff avoided contaminating samples at all times	X
Equipment rinsate blank and field blank have been collected (if applicable)	NA
Field duplicate collected (if applicable)	NA
PPE properly removed and disposed of upon site completion	<i>></i>
4. Sample Storage and Transport:	
Water samples properly stored on ice in a cooler	X
Water samples properly logged on COC form	
Proper persons have signed the COC Cooler and samples hand delivered to labs with completed COC	7
Additional Notes: None	
Signature of QA/QC Personnel: Many J. Suych Date/Time: Print Name/Company:	3/9/22

Station Location: C - 5	Date/Time:	3/8/22
Mark each box with Y, N, or NA		11:25
1. Station Occupation and Field Data Recording:		
Station GPS coordinates (approx. ± 3 m) and station identification verified		Y
Time of sampling recorded		У
Temperature, salinity, and secchi disk readings taken		Y
Check for in-water hull cleaning operations in the area and record distance from site if observed	e and directio	on /
General site observations recorded		Y
2. Sampling Procedures:		
Field staff wearing fresh, powder-free nitrile gloves		У
SWAMP protocols utilized to avoid sample contamination (i.e., clean hand technique)	ds/dirty hands	, Y
Sampling instrument given site water rinse prior to deployment		У
Sample bottle(s) are the correct type, lab-certified, and contaminant-free		У
Sample bottle(s) correctly labeled and match the station identification		У
Sample bottle(s) correctly labeled with the sample date and time		<u> </u>
Sample collected at 1 meter below surface		y
Staff avoided contaminating samples at all times		Y
Equipment rinsate blank and field blank have been collected (if applicable	∍)	NA
Field duplicate collected (if applicable)		NA
PPE properly removed and disposed of upon site completion		У
4. Sample Storage and Transport:		
Water samples properly stored on ice in a cooler		У
Water samples properly logged on COC form		
Proper persons have signed the COC		
Cooler and samples hand delivered to labs with completed COC		
Additional Notes:		
None		
Signature of QA/QC Personnel: Many J. Smyth	_ Date/Time:	3/9/22
Print Name/Company:		09:50

Station Location:	Date/Time:	318/22
Mark each box with Y, N, or NA		11:35
1. Station Occupation and Field Data Recording:		
Station GPS coordinates (approx. ± 3 m) and station identification verifie	d	Y
Time of sampling recorded		У
Temperature, salinity, and secchi disk readings taken		Y
Check for in-water hull cleaning operations in the area and record distantion site if observed	ce and direction	n y
General site observations recorded		X
2. Sampling Procedures:		
Field staff wearing fresh, powder-free nitrile gloves		Y
SWAMP protocols utilized to avoid sample contamination (i.e., clean har technique)	nds/dirty hands	У
Sampling instrument given site water rinse prior to deployment		Y
Sample bottle(s) are the correct type, lab-certified, and contaminant-free		Y
Sample bottle(s) correctly labeled and match the station identification		X
Sample bottle(s) correctly labeled with the sample date and time		X
Sample collected at 1 meter below surface		Y
Staff avoided contaminating samples at all times		Y
Equipment rinsate blank and field blank have been collected (if applicab	le)	NA
Field duplicate collected (if applicable)		NA
PPE properly removed and disposed of upon site completion		<u> </u>
4. Sample Storage and Transport:		
Water samples properly stored on ice in a cooler		Y
Water samples properly logged on COC form		7,
Proper persons have signed the COC Cooler and samples hand delivered to labs with completed COC		7
Additional Notes:		
Signature of QA/QC Personnel: Buny J. Smycle Print Name/Company: Wood	_ Date/Time: __	3/9/22

FIELD SAMPLING QA CHECKLIST	
Station Location: FB (Field blank) Date	te/Time: 03/08/2022 0900
Mark each box with Y, N, or NA	
1. Station Occupation and Field Data Recording:	
Station GPS coordinates (approx. ± 3 m) and station identification verified ★	NIA
Time of sampling recorded	Y
Temperature, salinity, and secchi disk readings taken	NIA
Check for in-water hull cleaning operations in the area and record distance an from site if observed	nd direction
General site observations recorded	Υ
2. Sampling Procedures:	
Field staff wearing fresh, powder-free nitrile gloves	Y
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/ditechnique)	rty hands
Sampling instrument given site water rinse prior to deployment	N/A
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	Y
Sample bottle(s) correctly labeled and match the station identification	Y
Sample bottle(s) correctly labeled with the sample date and time	Ч
Sample collected at 1 meter below surface	NA
Staff avoided contaminating samples at all times	Ÿ
Equipment rinsate blank and field blank have been collected (if applicable)	
Field duplicate collected (if applicable)	NA
PPE properly removed and disposed of upon site completion	Y
4. Sample Storage and Transport:	•
Water samples properly stored on ice in a cooler	Y
Water samples properly logged on COC form Proper persons have signed the COC	Ÿ
Cooler and samples hand delivered to labs with completed COC	Y
Additional Notes:	<u>\</u>
* collected on transient dock	
Signature of QA/QC Personnel: Morrise Avidence Date	e/Time: <u>03/09/2022</u>
Print Name/Company: Man'sa Swiderski (Wood)	1000

Station Location: N3-ER (Niskin 3 Equipment Rinse) Date/Time: 03/08/2022

Mark each box with Y, N, or NA

1. Station Occupation and Field Data Recording:

Station GPS coordinates (approx. ± 3 m) and station identification verified ★	NA
Time of sampling recorded	Ч
Temperature, salinity, and secchi disk readings taken	N/A
Check for in-water hull cleaning operations in the area and record distance and direction from site if observed	N/A
General site observations recorded	4

2. Sampling Procedures:

Field staff wearing fresh, powder-free nitrile gloves	4
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique)	Y
Sampling instrument given site water rinse prior to deployment	N/A
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	Ч
Sample bottle(s) correctly labeled and match the station identification	Ч
Sample bottle(s) correctly labeled with the sample date and time	Y
Sample collected at 1 meter below surface	N/A
Staff avoided contaminating samples at all times	Y
Equipment rinsate blank and field blank have been collected (if applicable)	Y
Field duplicate collected (if applicable)	N/A
PPE properly removed and disposed of upon site completion	Y

4. Sample Storage and Transport:

Water samples properly stored on ice in a cooler	- -
Water samples properly logged on COC form	
Proper persons have signed the COC	$-\frac{1}{2}$
Cooler and samples hand delivered to labs with completed COC	- Ÿ -

Additional Notes:

* collected on transient dock

Signature of QA/QC Personnel:	Morrise Swedershi	Date/Time: <u>03/09/2022</u>
Print Name/Company: <u></u>	Swiderski (Wood)	1000

TILLD OANII LINO WA OTILORLIOT	
Station Location: C-13 Date/Time: 03/	08/2022
Mark each box with Y, N, or NA	0920
1. Station Occupation and Field Data Recording:	
Station GPS coordinates (approx. ± 3 m) and station identification verified	Y
Time of sampling recorded	Y
Temperature and salinity readings taken at 1 meter below surface	Ÿ
Check for in-water hull cleaning operations in the area and record distance and direction from site if observed	None
General site observations recorded	Y
2. Sampling Procedures:	
Field staff wearing fresh, powder-free nitrile gloves	Y
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique)	Y
Sampling instrument given site water rinse prior to deployment	Y
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	Y
Sample bottle(s) correctly labeled and match the station identification	Y
Sample bottle(s) correctly labeled with the sample date and time	Y
Sample collected at 1 meter below surface	Ч
Staff avoided contaminating samples at all times	<u> </u>
Equipment rinsate blank and field blank have been collected (if applicable)	N/A
Field duplicate collected (if applicable)	N/A
PPE properly removed and disposed of upon site completion	Y
4. Sample Storage and Transport:	
Water samples properly stored on ice in a cooler	Y
Water samples properly logged on COC form	Y
Proper persons have signed the COC Cooler and samples hand delivered to labs with completed COC	Y
Additional Notes:	
None	
pone	
·	
and the second s	
Signature of QA/QC Personnel: Morrise Swider Date/Time: 03/	09/2022
	(000)
Print Name/Company: Marisa Swiderski (Wood)	

FIELD SAMPLING QA CHECKLIST	
Station Location: E-18 Date/Time	e: 03/08/2022
Mark each box with Y, N, or NA	0950
1. Station Occupation and Field Data Recording:	
Station GPS coordinates (approx. ± 3 m) and station identification verified	Y
Time of sampling recorded	Y
Temperature, salinity, and secchi disk readings taken	Ÿ
Check for in-water hull cleaning operations in the area and record distance and direct from site if observed	ction None
General site observations recorded	Y
2. Sampling Procedures:	
Field staff wearing fresh, powder-free nitrile gloves	γ
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty han technique)	nds
Sampling instrument given site water rinse prior to deployment	Y
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	Y
Sample bottle(s) correctly labeled and match the station identification	Y
Sample bottle(s) correctly labeled with the sample date and time	Y
Sample collected at 1 meter below surface	Ÿ
Staff avoided contaminating samples at all times	Y
Equipment rinsate blank and field blank have been collected (if applicable)	W/A
Field duplicate collected (if applicable)	NA
PPE properly removed and disposed of upon site completion	Y
4. Sample Storage and Transport:	
Water samples properly stored on ice in a cooler	Υ
Water samples properly logged on COC form	Y
Proper persons have signed the COC	Υ
Cooler and samples hand delivered to labs with completed COC	<u>Y</u>
Additional Notes:	
None	
Signature of QA/QC Personnel: Morris Surder Date/Time	e: <u>03/09/2022</u>
Print Name/Company: Marisa Swiders Ki (Wood)	1000

FIELD SAMPLING QA CHECKLIST	
Station Location: C-6 Date/Time: 03/6	8/2022
Mark each box with Y, N, or NA	1005
1. Station Occupation and Field Data Recording:	
Station GPS coordinates (approx. <u>+</u> 3 m) and station identification verified	Y
Time of sampling recorded	Y
Temperature and salinity readings taken at 1 meter below surface	Y
Check for in-water hull cleaning operations in the area and record distance and direction from site if observed	None
General site observations recorded	Y
2. Sampling Procedures:	-
Field staff wearing fresh, powder-free nitrile gloves	4
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique)	Y
Sampling instrument given site water rinse prior to deployment	Y
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	Y
Sample bottle(s) correctly labeled and match the station identification	Y
Sample bottle(s) correctly labeled with the sample date and time	4
Sample collected at 1 meter below surface	4
Staff avoided contaminating samples at all times	Y
Equipment rinsate blank and field blank have been collected (if applicable)	- N/A
Field duplicate collected (if applicable)	NA
PPE properly removed and disposed of upon site completion	Y
4. Sample Storage and Transport:	
Water samples properly stored on ice in a cooler	4
Water samples properly logged on COC form	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Proper persons have signed the COC Cooler and samples hand delivered to labs with completed COC	1 3
Cooler and samples hand delivered to labs with completed COO	1
Additional Notes:	
None	
Signature of QA/QC Personnel: Marino dwoler Date/Time: 03/	09/2022
Print Name/Company: Marisa Swiderski (Wood)	1000

Station Location: E-16	Date/Time:	03/08/2022
Mark each box with Y, N, or NA		(030

1. Station Occupation and Field Data Recording:

Station GPS coordinates (approx. ± 3 m) and station identification verified	Y
Time of sampling recorded	Ÿ
Temperature, salinity, and secchi disk readings taken	Ÿ
Check for in-water hull cleaning operations in the area and record distance and direction from site if observed	None
General site observations recorded	Y

2. Sampling Procedures:

Field staff wearing fresh, powder-free nitrile gloves	Y
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique)	Y
Sampling instrument given site water rinse prior to deployment	Y
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	Y
Sample bottle(s) correctly labeled and match the station identification	Υ
Sample bottle(s) correctly labeled with the sample date and time	Ÿ
Sample collected at 1 meter below surface	Ÿ
Staff avoided contaminating samples at all times	Y
Equipment rinsate blank and field blank have been collected (if applicable)	NA
Field duplicate collected (if applicable)	NIA
PPE properly removed and disposed of upon site completion	Y

4. Sample Storage and Transport:

Water samples properly stored on ice in a cooler	Y
Water samples properly logged on COC form	Y
Proper persons have signed the COC	Y
Cooler and samples hand delivered to labs with completed COC	Ÿ

Additional Notes:

Signature of QA/QC Person	el: Marisa	Aurolenn	Date/Time:	03/09/2022
Print Name/Company:	risa Swiden	rski (Wood)	<u> </u>	1000

1000

FIELD SAMPLING QA CHECKLIST	
Station Location: C-4 Date/Time:	03/08/2022 1045
Mark each box with Y, N, or NA	1045
1. Station Occupation and Field Data Recording:	
Station GPS coordinates (approx. ± 3 m) and station identification verified	Y
Time of sampling recorded	Ч
Temperature, salinity, and secchi disk readings taken	Y
Check for in-water hull cleaning operations in the area and record distance and direction from site if observed	None
General site observations recorded	Y
2. Sampling Procedures:	•
Field staff wearing fresh, powder-free nitrile gloves	Y
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique)	Y
Sampling instrument given site water rinse prior to deployment	Y
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	Y
Sample bottle(s) correctly labeled and match the station identification	Y
Sample bottle(s) correctly labeled with the sample date and time	Y
Sample collected at 1 meter below surface	Y
Staff avoided contaminating samples at all times	Y
Equipment rinsate blank and field blank have been collected (if applicable)	NA
Field duplicate collected (if applicable)	NA
PPE properly removed and disposed of upon site completion	Y
4. Sample Storage and Transport:	
Water samples properly stored on ice in a cooler	Y
Water samples properly logged on COC form Proper persons have signed the COC	<u> </u>
Cooler and samples hand delivered to labs with completed COC	Y
Additional Notes: None	

Signature of QA/QC Personnel: Movin Australia Date/Time: 03/09/2022

Print Name/Company: Marisa Swiderski (Wood)

TILLD SAMPLING QA CHECKLIST	
Station Location: E - 15 Date/Time: 0	3/08/2022
Mark each box with Y, N, or NA	1110
1. Station Occupation and Field Data Recording:	
Station GPS coordinates (approx. <u>+</u> 3 m) and station identification verified	Y
Time of sampling recorded	Y
Temperature, salinity, and secchi disk readings taken	Ÿ
Check for in-water hull cleaning operations in the area and record distance and direction from site if observed	None
General site observations recorded	Y
2. Sampling Procedures: Field staff wearing fresh, powder-free nitrile gloves	
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique)	Y
Sampling instrument given site water rinse prior to deployment	4
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	Y
Sample bottle(s) correctly labeled and match the station identification	Y
Sample bottle(s) correctly labeled with the sample date and time	Y
Sample collected at 1 meter below surface	Y
Staff avoided contaminating samples at all times	Y
Equipment rinsate blank and field blank have been collected (if applicable)	NA
Field duplicate collected (if applicable)	NA
PPE properly removed and disposed of upon site completion	Y

4. Sample Storage and Transport:

Water samples properly stored on ice in a cooler	Y
Water samples properly logged on COC form	Ÿ
Proper persons have signed the COC	Ÿ
Cooler and samples hand delivered to labs with completed COC	<u> </u>

Additional Notes:

Signature of QA/QC Perso	onnel:	Parine two	dervi	Date/Time:	03/09/2022
Print Name/Company:	Marisa	Swidershi	(Wood))	1000

Station Location: C-3	Date/Time: 03/08/2022
Mark each box with Y, N, or NA	1120

1. Station Occupation and Field Data Recording:

Station GPS coordinates (approx. ± 3 m) and station identification verified	Y
Time of sampling recorded	Y
Temperature, salinity, and secchi disk readings taken	Y
Check for in-water hull cleaning operations in the area and record distance and direction from site if observed	None
General site observations recorded	Y

2. Sampling Procedures:

Field staff wearing fresh, powder-free nitrile gloves	Y
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique)	Y
Sampling instrument given site water rinse prior to deployment	Y
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	Y
Sample bottle(s) correctly labeled and match the station identification	Y
Sample bottle(s) correctly labeled with the sample date and time	Ÿ
Sample collected at 1 meter below surface	Y
Staff avoided contaminating samples at all times	Y
Equipment rinsate blank and field blank have been collected (if applicable)	N/A
Field duplicate collected (if applicable)	NIA
PPE properly removed and disposed of upon site completion	Y

4. Sample Storage and Transport:

Water samples properly stored on ice in a cooler	Y
Water samples properly logged on COC form	Ÿ
Proper persons have signed the COC	
Cooler and samples hand delivered to labs with completed COC	Ý

Additional Notes:

Signature of QA/QC Personnel: _	Marin Surderin	_ Date/Time: _	03/09/2022
Print Name/Company:Mari	sa Swiderski (Wood	1	1000

Station Location: E-14	Date/Time: 03/08/2022
Mark each box with Y, N, or NA	1120

1. Station Occupation and Field Data Recording:

Station GPS coordinates (approx. <u>+</u> 3 m) and station identification verified	Y
Time of sampling recorded	Ÿ
Temperature, salinity, and secchi disk readings taken	
Check for in-water hull cleaning operations in the area and record distance and direction from site if observed	None
General site observations recorded	۲ -

2. Sampling Procedures:

Field staff wearing fresh, powder-free nitrile gloves	Y
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique)	Y
Sampling instrument given site water rinse prior to deployment	U
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	
Sample bottle(s) correctly labeled and match the station identification	Ÿ
Sample bottle(s) correctly labeled with the sample date and time	Ÿ
Sample collected at 1 meter below surface	Ÿ
Staff avoided contaminating samples at all times	Ÿ
Equipment rinsate blank and field blank have been collected (if applicable)	N/A
Field duplicate collected (if applicable)	NIA
PPE properly removed and disposed of upon site completion	\ \ \ \ \ \ \ \

4. Sample Storage and Transport:

Water samples properly stored on ice in a cooler	Y
Water samples properly logged on COC form	Ÿ
Proper persons have signed the COC	`
Cooler and samples hand delivered to labs with completed COC	Ÿ

Additional Notes:

Signature of QA/QC Personnel: _	Marine Swiderin	_ Date/Time: <u>03/09/2の</u> こ
Print Name/Company: ani	a Swiderski (Wood)	(000)

FIELD SAMPLING QA CHECKLIST

Station Location: C - Z Date/Time:	03/08/2022
Mark each box with Y, N, or NA	1200
1. Station Occupation and Field Data Recording:	
Station GPS coordinates (approx. ± 3 m) and station identification verified	Υ
Time of sampling recorded	
Temperature, salinity, and secchi disk readings taken	
Check for in-water hull cleaning operations in the area and record distance and direction from site if observed	
General site observations recorded	40 14.00
Certeral site observations recorded	I
2. Sampling Procedures:	
Field staff wearing fresh, powder-free nitrile gloves	Y
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique)	Ý
Sampling instrument given site water rinse prior to deployment	Y
Sample bottle(s) are the correct type, lab-certified, and contaminant-free	Ч
Sample bottle(s) correctly labeled and match the station identification	Y
Sample bottle(s) correctly labeled with the sample date and time	Y
Sample collected at 1 meter below surface	Y
Staff avoided contaminating samples at all times	Y
Equipment rinsate blank and field blank have been collected (if applicable)	
Field duplicate collected (if applicable)	NA
PPE properly removed and disposed of upon site completion	Y
4. Sample Storage and Transport:	
Water samples properly stored on ice in a cooler	Y
Water samples properly logged on COC form	Y
Proper persons have signed the COC	Y
Cooler and samples hand delivered to labs with completed COC Additional Notes: ** IWHC observed ~ 40 Meters NE of Sample locations of the sample loc	ion
Signature of QA/QC Personnel: Date/Time:	03/09/2022 1000
Time numeroompuny	

APPENDIX C WECK LABORATORIES ANALYTICAL CHEMISTRY REPORTS

WEEK 1 ANALYTICAL RESULTS



FINAL REPORT

Work Orders: 1K23057 Report Date: 12/27/2021

Received Date: 11/23/2021

Turnaround Time: Normal

Phones: (858) 300-4323

Fax: (858) 278-5300

P.O. #:

Billing Code:

Attn: Rolf Schottle

Client: Wood - San Diego

9177 Sky Park Court, Ste A San Diego, CA 92123

Project: SIYB IWHC Pause Pilot (Port of San Diego)

ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • HW-DOH #4047 • LACSD #10143 • NELAP-OR #4047 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Rolf Schottle,

Enclosed are the results of analyses for samples received 11/23/21 with the Chain-of-Custody document. The samples were received in good condition, at 3.1 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Chris Samatmanakit Project Manager

1: State











FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 12/27/2021 17:16

Project Manager: Rolf Schottle



Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
C-1-W1	Marisa Swiderski/Kate Buckley	1K23057-01	Water	11/22/21 10:45	
C-2-W1	Marisa Swiderski/Kate Buckley	1K23057-02	Water	11/22/21 11:05	
C-3-W1	Marisa Swiderski/Kate Buckley	1K23057-03	Water	11/22/21 10:25	
C-4-W1	Marisa Swiderski/Kate Buckley	1K23057-04	Water	11/22/21 09:45	
C-5-W1	Marisa Swiderski/Kate Buckley	1K23057-05	Water	11/22/21 10:25	
C-6-W1	Marisa Swiderski/Kate Buckley	1K23057-06	Water	11/22/21 09:10	
C-7-W1	Marisa Swiderski/Kate Buckley	1K23057-07	Water	11/22/21 10:10	
C-8-W1	Marisa Swiderski/Kate Buckley	1K23057-08	Water	11/22/21 09:55	
C-9-W1	Marisa Swiderski/Kate Buckley	1K23057-09	Water	11/22/21 09:40	
C-10-W1	Marisa Swiderski/Kate Buckley	1K23057-10	Water	11/22/21 08:55	
C-11-W1	Marisa Swiderski/Kate Buckley	1K23057-11	Water	11/22/21 09:10	
C-11-Dup-W1	Marisa Swiderski/Kate Buckley	1K23057-12	Water	11/22/21 09:25	
C-12-W1	Marisa Swiderski/Kate Buckley	1K23057-13	Water	11/22/21 08:35	
C-13-W1	Marisa Swiderski/Kate Buckley	1K23057-14	Water	11/22/21 08:05	
C-REF-1-W1	Marisa Swiderski/Kate Buckley	1K23057-15	Water	11/22/21 08:15	
C-REF-2-W1	Marisa Swiderski/Kate Buckley	1K23057-16	Water	11/22/21 07:45	
FB-W1	Marisa Swiderski/Kate Buckley	1K23057-17	Water	11/22/21 07:30	
N3-ER-W1	Marisa Swiderski/Kate Buckley	1K23057-18	Water	11/22/21 07:45	



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

ug/l

Reported: 12/27/2021 17:16

Project Manager: Rolf Schottle

		S

Sample Results

Sample: Sampled: 11/22/21 10:45 by Marisa Swiderski/Kate Buckley 1K23057-01 (Water) MRI Units Dil Qualifier MDL Analyzed Analyte Result Metals - Low Level by 1600 Series Methods Method: EPA 1640 Instr: ICPMS03 Batch ID: W1L0744 Preparation: EPA 1640#Preconcentration Prepared: 12/10/21 14:16 Analyst: ALN Copper, Dissolved 0.0038 0.010 12/14/21



Analyte

Sample Results

C-2-W1 Sample: Sampled: 11/22/21 11:05 by Marisa Swiderski/Kate Buckley

1K23057-02 (Water) Result MDL MRL Units Dil Analyzed Qualifier

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W1L0744 Preparation: EPA 1640#Preconcentration Prepared: 12/10/21 14:16 Analyst: ALN Copper, Dissolved 0.0038 0.010 12/14/21 7.4 ug/l



Sample Results

C-3-W1 Sampled: 11/22/21 10:25 by Marisa Swiderski/Kate Buckley Sample:

1K23057-03 (Water)

Result MDL MRL Units Analyzed Qualifier Analyte

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W1L0744 Prepared: 12/10/21 14:16 Analyst: ALN Preparation: EPA 1640#Preconcentration Copper, Dissolved 0.0038 0.010 ug/l 12/14/21

Sample Results

C-4-W1 Sampled: 11/22/21 9:45 by Marisa Swiderski/Kate Buckley Sample:

1K23057-04 (Water)

MDL MRI Units Analyzed Qualifier Analyte Result

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W1L0744 Preparation: EPA 1640#Preconcentration Prepared: 12/10/21 14:16 Analyst: ALN 0.0038 12/14/21 Copper, Dissolved 0.010 ug/l



Copper, Dissolved

Sample Results

Sample: C-5-W1 Sampled: 11/22/21 10:25 by Marisa Swiderski/Kate Buckley

1K23057-05 (Water)

MDL MRI Analyzed Qualifier Metals - Low Level by 1600 Series Methods Method: EPA 1640 Instr: ICPMS03 Batch ID: W1L0744 Prepared: 12/10/21 14:16 Analyst: ALN Preparation: EPA 1640#Preconcentration

0.0038

0.010

ug/l

12/14/21

1K23057 Page 3 of 8



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 12/27/2021 17:16

(Continued)

1			
		7	,

Sample Results

Analyzed

Campled 11/22/21 0:10 by Maries Suiderski //ata Busklay

Sample:	C-6-W1			Sa	mpied: 11/22	2/21 9:10 by	y Marisa Swiders	ski/kate Buckley
	1K23057-06 (Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Le	evel by 1600 Series Methods							
Method: EPA	1640			Instr: ICPMS03				
Batch ID: W	/1L0744	Preparation: EPA 1640#Preconcentration		Prepared: 12/10	0/21 14:16			Analyst: ALN
Copper, Dis	ssolved	7.0	0.0038	0.010	ug/l	1	12/14/21	

Project Manager: Rolf Schottle

Analyte

Sample Results

(Continued)

Qualifier

(Continued)

C-7-W1 Sample: Sampled: 11/22/21 10:10 by Marisa Swiderski/Kate Buckley 1K23057-07 (Water)

MDL

Result

Metals - Low Level by 1600 Series Methods

Instr: ICPMS03

MRL

Method: EPA 1640 Batch ID: W1L0744 Preparation: EPA 1640#Preconcentration

Prepared: 12/10/21 14:16 Analyst: ALN 0.010

Copper, Dissolved

0.0038

12/14/21 ug/l

Dil

Units

Units



Sample Results

Sampled: 11/22/21 9:55 by Marisa Swiderski/Kate Buckley

1K23057-08 (Water)

Result MDL MRL Units Analyzed Qualifier Analyte Metals - Low Level by 1600 Series Methods

MDL

Method: EPA 1640

C-8-W1

Instr: ICPMS03

Batch ID: W1L0744 Preparation: EPA 1640#Preconcentration

Prepared: 12/10/21 14:16 Analyst: ALN

Copper, Dissolved

0.0038 0.010 12/14/21

Result



Analyte

Sample Results

(Continued)

Qualifier

C-9-W1 Sample:

1K23057-09 (Water)

Sampled: 11/22/21 9:40 by Marisa Swiderski/Kate Buckley

Analyzed

12/14/21

Metals - Low Level by 1600 Series Methods

Instr: ICPMS03

MRI

Method: EPA 1640 Batch ID: W1L0744 Copper, Dissolved

Preparation: EPA 1640#Preconcentration Prepared: 12/10/21 14:16 0.0038 ug/l

Analyst: ALN

Sample Results

(Continued)

C-10-W1 Sample:

Sampled: 11/22/21 8:55 by Marisa Swiderski/Kate Buckley

1K23057-10 (Water)

MRL Analyzed Qualifier Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W1L0744 Prepared: 12/10/21 14:16 Analyst: ALN Preparation: EPA 1640#Preconcentration 0.010 Copper, Dissolved 0.0038 12/14/21 ug/l

1K23057 Page 4 of 8



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

12/27/2021 17:16

Reported:

Project Manager: Rolf Schottle

							(
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Sample Results

(Continued)

(Continued)

Qualifier

Analyst: ALN

Qualifier

Analyst: ALN

Sample:	C-11-W1			S	sampled: 11/22	2/21 9:10 b	y Marisa Swide	rski/Kate Buckley
	1K23057-11 (Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low	Level by 1600 Series Methods							
Method: EP/	A 1640			Instr: ICPMS03	3			
Batch ID:	W1L0744	Preparation: EPA 1640#Preconcentration		Prepared: 12/	10/21 14:16			Analyst: ALN
Copper, D	Dissolved	5.1	0.0038	0.010	ug/l	1	12/14/21	
Sa	ample Results							(Continued)
Sample:	C-11-Dup-W1			S	ampled: 11/22	2/21 9:25 b ₂	y Marisa Swide	rski/Kate Buckley
	1K23057-12 (Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier

0.0038

MDL

MDL

0.0038

MRL

MRI

Metals - Low Level by 1600 Series Methods
Method: EPA 1640

Instr: ICPMS03

Units

Units

Batch ID: W1L0744 Preparation: EPA 1640#Preconcentration

Prepared: 12/10/21 14:16 Analyst: ALN 0.010 12/14/21

Copper, Dissolved Sample Results ug/l

C-12-W1 Sample:

Sampled: 11/22/21 8:35 by Marisa Swiderski/Kate Buckley

1K23057-13 (Water)

Analyte Metals - Low Level by 1600 Series Methods

Instr: ICPMS03

Method: EPA 1640 Batch ID: W1L0744

Prepared: 12/10/21 14:16 Preparation: EPA 1640#Preconcentration Copper, Dissolved 0.0038 0.010

Result

Result

(Continued)

Analyzed

12/14/21

Analyzed

C-13-W1 Sample:

1K23057-14 (Water)

Sample Results

Sampled: 11/22/21 8:05 by Marisa Swiderski/Kate Buckley

Metals - Low Level by 1600 Series Methods

Method: EPA 1640

Instr: ICPMS03

Batch ID: W1L0744 Preparation: EPA 1640#Preconcentration Prepared: 12/10/21 14:16

> 12/14/21 ug/l

Copper, Dissolved

(Continued)

Analyte

Sample Results

1K23057-15 (Water)

Sampled: 11/22/21 8:15 by Marisa Swiderski/Kate Buckley

Sample: C-REF-1-W1

MDL MRL Analyzed Qualifier

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W1L0744 Prepared: 12/10/21 14:16 Analyst: ALN Preparation: EPA 1640#Preconcentration

0.010 Copper, Dissolved 0.0038 12/14/21 0.55 ug/l

1K23057 Page 5 of 8



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

12/27/2021 17:16

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	Λ	M,	

(Continued)

Sa	ample Results							(Continued)
Sample:	C-REF-2-W1				Sampled: 11/22/21	7:45 by N	Marisa Swide	rski/Kate Buckle
	1K23057-16 (Water)							
Analyte		Resul	t MDL	MRL	Units	Dil	Analyzed	Qualifie
letals - Low	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS	03			
Batch ID:	W1L0744	Preparation: EPA 1640#Preconcentration	on	Prepared: 12	2/10/21 14:16			Analyst: ALN
Copper, D	Dissolved	0.5	8 0.0038	0.010	ug/l	1	12/15/21	
Sa	ample Results							(Continued)
Sample:	FB-W1				Sampled: 11/22/21	7:30 by N	Marisa Swide	rski/Kate Buckle
	1K23057-17 (Water)							
Analyte		Resul	t MDL	MRL	Units	Dil	Analyzed	Qualifie
letals - Low	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS	03			
Batch ID:	W1L0744	Preparation: EPA 1640#Preconcentration	on	Prepared: 12	2/10/21 14:16			Analyst: ALN
Copper, D	Dissolved	0.03	8 0.0038	0.010	ug/l	1	12/15/21	
Sa	ample Results							(Continued)
Sample:	N3-ER-W1				Sampled: 11/22/21	7:45 by N	Marisa Swide	rski/Kate Buckley
	1K23057-18 (Water)							
Analyte		Resul	t MDL	MRL	Units	Dil	Analyzed	Qualifie
letals - Low	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS	03			
Batch ID:	W1L0744	Preparation: EPA 1640#Preconcentration	on	Prepared: 12	2/10/21 14:16			Analyst: ALN
Copper, D	Dissolved	0.5	0.0038	0.010	ug/l	1	12/15/21	

Project Manager: Rolf Schottle



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 12/27/2021 17:16

Project Manager: Rolf Schottle

Metals - Low Level by 1600 Series Methods											
					Spike	Source		%REC		RPD	
Analyte	Result	MDL	MRL	Units	Level	Result	%REC	Limits	RPD	Limit	Qualifier
Batch: W1L0744 - EPA 1640											
Blank (W1L0744-BLK1)				Pre	pared: 12/10/2	1 Analyzed	: 12/14/2	1			
Copper, Dissolved	0.00705	0.0038	0.010	ug/l							J
LCS (W1L0744-BS1)				Pre	pared: 12/10/2	1 Analyzed	: 12/14/2	1			
Copper, Dissolved	11.1	0.0038	0.010	ug/l	10.0		111	70-130			
Matrix Spike (W1L0744-MS1)	Source: 1	K23057-01		Pre	pared: 12/10/2	1 Analyzed	: 12/14/2 ⁻	1			
Copper, Dissolved	18.0	0.0038	0.010	ug/l	10.0	7.58	104	70-130			
Matrix Spike (W1L0744-MS2)	Source: 1	K23057-11		Pre	pared: 12/10/2	1 Analyzed	: 12/15/2 ⁻	ı			
Copper, Dissolved	14.1	0.0038	0.010	ug/l	10.0	5.15	90	70-130			
Matrix Spike Dup (W1L0744-MSD1)	Source: 1	K23057-01		Pre	pared: 12/10/2	1 Analyzed	: 12/14/2 ⁻	1			
Copper, Dissolved	20.5	0.0038	0.010	ug/l	10.0	7.58	129	70-130	13	30	
Matrix Spike Dup (W1L0744-MSD2)	Source: 1	K23057-11		Pre	pared: 12/10/2	1 Analyzed	: 12/15/2 ⁻	1			
Copper, Dissolved	15.1	0.0038	0.010	ug/l	10.0	5.15	100	70-130	7	30	



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

12/27/2021 17:16



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Notes and Definitions

J	Estimated conc. detected <mrl and="">MDL.</mrl>
%REC	Percent Recovery
Dil	Dilution
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Project Manager: Rolf Schottle

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

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CHAIN OF CUSTODY RECORD

14859 Fast Clark Avenue: Industry: CA 91745

Analytical Laboratory Services - Since 1964

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1K23057

Tel 626-336-2139	♦ Fax 626-	-336-2634	♦ wwv	v.wecklabs	.com											Page_	1_	Of	2	
CLIENT NAME:				PROJECT:	***				ļ	NAL'	YSES	REQUES	STED			SPEC	AL HA	NDLI	1G	
Wood Environment 8	Infrastructure	e Solutions, I	Inc.	SIYB IWHC Pause Pilot Study (Port of San Diego)			ug/L								laran laran		Day Rus ır Rush 1			
ADDRESS:				PHONE:	858-300-4324	4		- 0.01								-	48-72	Hour Rus	sh 75%	
9177 Sky Park Ct.				FAX:	858-300-4301	1		۲, چا								Г	4 - 5 D	ay Rush	30%	
San Diego, CA 9212	3			EMAIL: <u>marisa.swiderski@woodplc.com</u>			83 25									Rush !	xtractio	ns 50%		
:				barry.snyder@woodplc.com			0.003								V	10 Bu	siness D	ays		
PROJECT MANAGER				SAMPLER				per ¹				1 1						Data Pa	<u> </u>	
Marisa Swiderski				Marisa Sw	iderski (MS) / I	Kate Buckley	(KB)	Cop 1640								Charges w			ends/ho	olidays
ID#	DATE	TIME	SMPL	CAMPLEID	ENTIFICATION/SI	ITE I OCATION	#OF	olvec			Ì					Method of	Shipmer	t:		
(For lab Use Only)	SAMPLED	SAMPLED	TYPE	SAMPLE	ENTIFICATIONIS	THE ECCATION	CONT.	Dissol Method								COMMENT	s			
	11/22/21	10:45	seawater	C-1-W1	•	2	1	Х												
	11/22/21	11:05	seawater	C-2-W1			1	Х												
	11/22/21	10:25	seawater	C-3-W1			1	Х					_							
	11/22/21	9:45	seawater	C-4-W1			1	Х		_	4						•••			
	11/22/21	10:25		C-5-W1			1	Х			_	<u> </u>		<u> </u>						
	11/22/21	9:10		C-6-W1		1	1	Х		_			<u> </u>	1	ļ					
	11/22/21	10:10	-	C-7-W1			_ 1	X		_				-	 					
	11/22/21	9:55		C-8-W1			1	Х			+	-			-					
	11/22/21	9:40		C-9-W1			1	X	-		+			-						
	11/22/21	8:55		C-10-W1			1	X			-		-			extra vol.	analyza	compl	~ M2/N	4SD
DEL ILIQUISOLIED D	11/22/21	9:10		C-11-W1	- 40	RECEIVED		^									ariaiyze		PLE TYPE	
			•	/TIME 23/2021	0900			<u>~8) (</u>	5	ur	wh	√	SAMPLE CONDITION Actual Temperature: 3. 1					AQ=/ NA= SL =	Aqueous Non Aque Sludge	eous
Hoeld sauch !!			11-	- 23 - 7 - 13 - 7	1115	RECEIVED	WA.			11/23/21 1115			Received On Ice Preserved Evidence Seals Prese Container Intact Preserved at Lab			resent	W Y Y W Y Y W Y Y W Y Y W Y Y W Y Y W Y Y W Y Y W	WW = RW = GW =	: Drinking = Waste \ : Rain Wa : Ground Soil	Water ater
REĽINQUISHED B) f		DATE	E / I NVIE		TEOL! WEL	וטי						June	707	30)	9) SW = OL =	Solid Wa	

- 1) LAB ACTION: PRESERVE Cu samples IMMEDIATELY. HDPE metals bottles have NO acid (HNO3) in bottle.
- 2) Dissolved metals were field filtered using 0.45 um bottletop filt. system.
- 3) Preserve any extra volume of each sample for dissolved metals to archive.
- 4) SPIKE level at the following amounts: Copper = 10 ug/L
- 5) WECK will contact Wood PM within 24 hours if any sample anomalies are found.

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V	V.		L

CHAIN OF CUSTODY RECORD

14859 East Clark Avenue: Industry: CA 91745

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Tel 626-336-2139	◆ Fax 626	-336-2634	♦ wwv	w.wecklabs.com												Page_	2	<u>Of</u>	2	<u>. </u>
CLIENT NAME:	,			PROJECT:					ANA	ALYS	ES REC	QUES	TED			SPECI	AL HA	NDLIN	IG	
Wood Environment & Infrastructure Solutions, Inc. ADDRESS: 9177 Sky Park Ct. San Diego, CA 92123 PROJECT MANAGER				SIYB IWHC Pause Pilot Study (Port of San Diego) PHONE: 858-300-4324 FAX: 858-300-4301 EMAIL: marisa.swiderski@woodplc.com barry.snyder@woodplc.com SAMPLER			167'1.² ADL 0.0038 µg/L. RL≖ 0.01 µg/L										24 Ho 48-72 4 - 5 E Rush 10 Bu	Day Rush ur Rush 1 Hour Rush Day Rush Extraction siness Da C Data Pa	00% sh 75% 30% ns 50% ays	
Marisa Swiderski				Marisa Swiderski (MS) /	Kate Buckley	(KB)	Copp 1640 %	.	1							harges wi				olidays
ID#	DATE	TIME	SMPL	SAMPLE IDENTIFICATION/SI	UTE LOCATION	# OF	olved J EPA								N	lethod of	Shipmer	t:		
(For lab Use Only)	SAMPLED	SAMPLED	TYPE		HE LUCATION	CONT.	Dissol Method	<u> </u>		L		1_			C	OMMENT	s			
	11/22/21	9:25	seawater	r C-11-Dup-W1	<u> </u>	1	Х			\Box										
	11/22/21	8:35		r C-12-W1		1	Х	\Box	$\Box \downarrow$	\perp		Ţ								
	11/22/21	8:05		r C-13-W1		1	X	\longrightarrow					<u> </u>							
<u> </u>	11/22/21	8:15		r C-REF-1-W1		1	Х	<u> </u>	\dashv			Щ_			_					
	11/22/21	7:45		C-REF-2-W1		1	X		\dashv	\perp		Д	igspace					<u> </u>		
	11/22/21	7:30		FB-W1		1	X	\longrightarrow	\dashv	\dashv	$-\!$	┷	\sqcup	-						
<u></u>	11/22/21	7:45	DI	N3-ER-W1		1	X		\rightarrow	+	+	$+\!\!-\!\!\!-$	\vdash	\dashv	\dashv					\longrightarrow
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	 		 			<u></u>	╂		-+		$\neg \neg$	+		1						
		11/2	E/TIME 23/2021 0900	RECEIVED	BY	CF	. <	مارخ	ميق	12		SAMPLE CONDITION Actual Temperature: 3.6					AQ=A NA= N SL = S	PLE TYPE queous Non Aque Sludge	ieous	
Heel Squel !!			11-	=/TIME S -23-21	23-21 Atto.			11/23/21 11/8					Received On Ice Preserved Evidence Seals Present Container Intact			ent		/ RW = GW =	Waste \ Rain Wa Ground	ater
			ļ	E / TIME	RĔCEIVĘD) BY							Preserved at Lab			Y / 6	SW =	Solid Wa		

- 1) LAB ACTION: PRESERVE Cu samples IMMEDIATELY. HDPE metals bottles have NO acid (HNO3) in bottle.
- 2) Dissolved metals were field filtered using 0.45 um bottletop filt. system.
- 3) Preserve any extra volume of each sample for dissolved metals to archive.
- 4) SPIKE level at the following amounts: Copper = 10 ug/L
- 5) WECK will contact Wood PM within 24 hours if any sample anomalies are found.

WEEK 2 ANALYTICAL RESULTS



FINAL REPORT

Work Orders: 1L01055 Report Date: 12/30/2021

Received Date: 12/1/2021

Turnaround Time: Normal

Phones: (858) 300-4323

Fax: (858) 278-5300

P.O. #:

Billing Code:

Attn: Rolf Schottle

Client: Wood - San Diego

9177 Sky Park Court, Ste A San Diego, CA 92123

Project: SIYB IWHC Pause Pilot (Port of San Diego)

ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • HW-DOH #4047 • LACSD #10143 • NELAP-OR #4047 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Rolf Schottle,

Enclosed are the results of analyses for samples received 12/01/21 with the Chain-of-Custody document. The samples were received in good condition, at 5.4 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Chris Samatmanakit Project Manager

1: State









1L01055 Page 1 of 9



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 12/30/2021 18:15

Project Manager: Rolf Schottle

Sample Summary

Mariss Swidershikfalte L01095-01 See Water 11/30/21 10:30	Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
Buckley Buck	C-1-W2		1L01055-01	Sea Water	11/30/21 10:30	
Buckley Buck	C-2-W2		1L01055-02	Sea Water	11/30/21 12:30	
Buckley Buck	C-3-W2		1L01055-03	Sea Water	11/30/21 11:35	
Buckley 1.01055-06 Sea Water 11/30/21 09:45	C-4-W2		1L01055-04	Sea Water	11/30/21 10:40	
Buckley	C-5-W2		1L01055-05	Sea Water	11/30/21 10:18	
Buckley C-8-W2 Marisa Swiderski/Kate Buckley B	C-6-W2		1L01055-06	Sea Water	11/30/21 09:45	
Buckley Buck	C-7-W2		1L01055-07	Sea Water	11/30/21 09:55	
Buckley Marias Widerski/Kate Buckley C-12-W2 Marias Swiderski/Kate Buckley Buckley Buckley Buckley C-13-W2 Marias Swiderski/Kate Buckley Buckley Buckley Buckley Buckley C-13-W2 Marias Swiderski/Kate Buckley Buckley Buckley Buckley C-REF-1-W2 Marias Swiderski/Kate Buckley Bu	C-8-W2		1L01055-08	Sea Water	11/30/21 09:45	
Buckley	C-9-W2		1L01055-09	Sea Water	11/30/21 09:35	
Buckley	C-10-W2		1L01055-10	Sea Water	11/30/21 09:05	
Buckley C-13-W2 Marisa Swiderski/Kate Buckley 1.01055-13 Sea Water 11/30/21 08:15	C-11-W2		1L01055-11	Sea Water	11/30/21 09:17	
Buckley C-REF-1-W2 Marisa Swiderski/Kate Buckley 1L01055-14 Sea Water 11/30/21 08:10 Buckley C-REF-2-W2 Marisa Swiderski/Kate Buckley 1L01055-15 Sea Water 11/30/21 07:55 Buckley FB-W2 Marisa Swiderski/Kate Buckley 1L01055-16 Water 11/30/21 07:40 Marisa Swiderski/Kate Buckley 1L01055-16 Water 11/30/21 07:40 Marisa Swiderski/Kate Buckley 1L01055-17 Water 11/30/21 07:50 Marisa Swiderski/Kate Buckley 1L01055-18 Sea Water 11/30/21 12:10 Marisa Swiderski/Kate Buckley 1L01055-18 Sea Water 11/30/21 12:10 Marisa Swiderski/Kate Buckley 1L01055-19 Sea Water 11/30/21 11:15 Marisa Swiderski/Kate Buckley 1L01055-20 Sea Water 11/30/21 10:20 Marisa Swiderski/Kate Buckley 1L01055-21 Sea Water 11/30/21 10:20 Marisa Swiderski/Kate Buckley 1L01055-22 Sea Water 11/30/21 10:07 Marisa Swiderski/Kate Buckley 1L01055-22 Sea Water 11/30/21 09:15 Marisa Swiderski/Kate Buckley 1L01055-23 Sea Water 11/30/21 09:30 Marisa Swiderski/Kate Buckley 1L01055-23 Sea Water 11/30/21 09:30 Marisa Swiderski/Kate Buckley 1L01055-24 Sea Water 11/30/21 09:30 Marisa Swiderski/Kate Buckley 1L01055-24 Sea Water 11/30/21 09:30 Marisa Swiderski/Kate Buckley 1L01055-25 Sea Water 11/30/21 09:30 Marisa Swiderski/Kate 1L	C-12-W2		1L01055-12	Sea Water	11/30/21 08:40	
Buckley C-REF-2-W2 Marisa Swiderski/Kate Buckley Sea Water 11/30/21 07:55 Sea Water 11/30/21 07:55 Sea Water 11/30/21 07:55 Sea Water 11/30/21 07:40 Suckley Sea Water	C-13-W2		1L01055-13	Sea Water	11/30/21 08:15	
Buckley	C-REF-1-W2		1L01055-14	Sea Water	11/30/21 08:10	
Buckley N8-ER-W2 Marisa Swiderski/Kate Buckley 1L01055-17 Water 11/30/21 07:50 Sea Water 11/30/21 12:10 Sea Water 11/30/21 12:10 Sea Water	C-REF-2-W2		1L01055-15	Sea Water	11/30/21 07:55	
Buckley	FB-W2		1L01055-16	Water	11/30/21 07:40	
Buckley E-15-W2 Marisa Swiderski/Kate Buckley 1L01055-19 Sea Water Sea Water 11/30/21 11:15 E-16-W2 Marisa Swiderski/Kate Buckley 1L01055-20 Sea Water 11/30/21 10:20 E-17-W2 Marisa Swiderski/Kate Buckley 1L01055-21 Sea Water 11/30/21 10:07 E-18-W2 Marisa Swiderski/Kate Buckley 1L01055-22 Sea Water 11/30/21 09:15 E-18-Dup-W2 Marisa Swiderski/Kate Buckley 1L01055-23 Sea Water 11/30/21 09:30 E-19-W2 Marisa Swiderski/Kate Buckley 1L01055-24 Sea Water 11/30/21 08:55 E-20-W2 Marisa Swiderski/Kate 1L01055-25 Sea Water 11/30/21 08:30	N8-ER-W2		1L01055-17	Water	11/30/21 07:50	
Buckley E-16-W2 Marisa Swiderski/Kate Buckley 1L01055-20 Sea Water 11/30/21 10:20 E-17-W2 Marisa Swiderski/Kate Buckley 1L01055-21 Sea Water 11/30/21 10:07 E-18-W2 Marisa Swiderski/Kate Buckley 1L01055-22 Sea Water 11/30/21 09:15 E-18-Dup-W2 Marisa Swiderski/Kate Buckley 1L01055-23 Sea Water 11/30/21 09:30 E-19-W2 Marisa Swiderski/Kate Buckley 1L01055-24 Sea Water 11/30/21 08:55 E-20-W2 Marisa Swiderski/Kate 1L01055-25 Sea Water 11/30/21 08:30	E-14-W2		1L01055-18	Sea Water	11/30/21 12:10	
Buckley E-17-W2 Marisa Swiderski/Kate Buckley 1L01055-21 Sea Water 11/30/21 10:07 E-18-W2 Marisa Swiderski/Kate Buckley 1L01055-22 Sea Water 11/30/21 09:15 E-18-Dup-W2 Marisa Swiderski/Kate Buckley 1L01055-23 Sea Water 11/30/21 09:30 E-19-W2 Marisa Swiderski/Kate Buckley 1L01055-24 Sea Water 11/30/21 08:55 E-20-W2 Marisa Swiderski/Kate 1L01055-25 Sea Water 11/30/21 08:30	E-15-W2		1L01055-19	Sea Water	11/30/21 11:15	
Buckley E-18-W2 Marisa Swiderski/Kate Buckley 1L01055-22 Sea Water 11/30/21 09:15 E-18-Dup-W2 Marisa Swiderski/Kate Buckley 1L01055-23 Sea Water 11/30/21 09:30 E-19-W2 Marisa Swiderski/Kate Buckley 1L01055-24 Sea Water 11/30/21 08:55 E-20-W2 Marisa Swiderski/Kate 1L01055-25 Sea Water 11/30/21 08:30	E-16-W2		1L01055-20	Sea Water	11/30/21 10:20	
Buckley E-18-Dup-W2 Marisa Swiderski/Kate Buckley 1L01055-23 Sea Water 11/30/21 09:30 E-19-W2 Marisa Swiderski/Kate Buckley 1L01055-24 Sea Water 11/30/21 08:55 E-20-W2 Marisa Swiderski/Kate 1L01055-25 Sea Water 11/30/21 08:30	E-17-W2		1L01055-21	Sea Water	11/30/21 10:07	
Buckley E-19-W2 Marisa Swiderski/Kate 1L01055-24 Sea Water 11/30/21 08:55 Buckley E-20-W2 Marisa Swiderski/Kate 1L01055-25 Sea Water 11/30/21 08:30	E-18-W2		1L01055-22	Sea Water	11/30/21 09:15	
E-20-W2 Buckley E-20-W2 Marisa Swiderski/Kate 1L01055-25 Sea Water 11/30/21 08:30	E-18-Dup-W2		1L01055-23	Sea Water	11/30/21 09:30	
	E-19-W2		1L01055-24	Sea Water	11/30/21 08:55	
=···- <i>)</i>	E-20-W2	Marisa Swiderski/Kate Buckley	1L01055-25	Sea Water	11/30/21 08:30	



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

12/30/2021 18:15

Reported:

Project Manager: Rolf Schottle

Sample Results

C-1-W2 Sample: Sampled: 11/30/21 10:30 by Marisa Swiderski/Kate Buckley 1L01055-01 (Sea Water) MRI Units Dil Qualifier MDL Analyzed Analyte Result Metals - Low Level by 1600 Series Methods Method: EPA 1640 Instr: ICPMS03 Batch ID: W1L1038 Preparation: EPA 1640#Preconcentration Prepared: 12/15/21 12:52 Analyst: ALN Copper, Dissolved 0.0038 0.010 12/15/21 ug/l

Sample Results

C-2-W2 Sample: Sampled: 11/30/21 12:30 by Marisa Swiderski/Kate Buckley

1L01055-02 (Sea Water) Analyte Result MDL MRL Units Analyzed Qualifier

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W1L1038 Preparation: EPA 1640#Preconcentration Prepared: 12/15/21 12:52 Analyst: ALN 0.010 12/15/21 0.0038

Copper, Dissolved ug/l

Sample Results

C-3-W2 Sampled: 11/30/21 11:35 by Marisa Swiderski/Kate Buckley Sample:

1L01055-03 (Sea Water) MDL MRL Units Analyzed Qualifier Result

Metals - Low Level by 1600 Series Methods

Analyte

Method: EPA 1640 Instr: ICPMS03

Batch ID: W1L1038 Analyst: ALN Preparation: EPA 1640#Preconcentration Prepared: 12/15/21 12:52

Copper, Dissolved 0.0038 0.010 12/15/21

Sample Results

C-4-W2 Sampled: 11/30/21 10:40 by Marisa Swiderski/Kate Buckley Sample:

1L01055-04 (Sea Water)

MDL MRI Units Analyzed Qualifier Analyte Result

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W1L1038 Preparation: EPA 1640#Preconcentration Prepared: 12/15/21 12:52 Analyst: ALN 0.0038 12/15/21 Copper, Dissolved ug/l

Sample Results

C-5-W2 Sampled: 11/30/21 10:18 by Marisa Swiderski/Kate Buckley Sample:

1L01055-05 (Sea Water)

Metals - Low Level by 1600 Series Methods Method: EPA 1640 Instr: ICPMS03

MRI

Analyzed

Qualifier

Batch ID: W1L1038 Prepared: 12/15/21 12:52 Analyst: ALN Preparation: EPA 1640#Preconcentration 0.010 Copper, Dissolved 0.0038 12/15/21 ug/l

1L01055 Page 3 of 9



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

12/30/2021 18:15

(Continued)

Reported:

Project Manager: Rolf Schottle

ample Results
C-6-W2
1L01055-06 (Sea Water)

Sample:	C-6-W2				Sampled: 11/30/21	9:45 by Marisa Swiderski/Kate Buck					
	1L01055-06 (Sea Water)										
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier			
Metals - Low Level by 1600 Series Methods											
Method: EPA	1640			Instr: ICPMS	503						
Batch ID: V	V1L1038	Preparation: EPA 1640#Preconcentration		Prepared: 1	ed: 12/15/21 12:52 Analyst: ALN						
Copper, D	issolved	12	0.0038	0.010	ug/l	1	12/15/21				
Sa	imple Results							(Continued)			
Sample:	C-7-W2				Sampled: 11/30/21	9:55 b	y Marisa Swider	ski/Kate Buckley			
	1L01055-07 (Sea Water)										
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier			
Motals - Low I	aval by 1600 Saries Mathods										

0.0038

MDL

0.0038

MDL

Result

Result

Metals - Low Level by 1600 Series Methods
Method: EPA 1640

Instr: ICPMS03

Batch ID: W1L1038 Preparation: EPA 1640#Preconcentration Copper, Dissolved

Prepared: 12/15/21 12:52 0.010 ug/l

Units

Analyst: ALN

(Continued)



Sample Results

Sampled: 11/30/21 9:45 by Marisa Swiderski/Kate Buckley

12/15/21

12/15/21

Analyzed

1L01055-08 (Sea Water)

Analyte

MRL Units Analyzed Qualifier

Metals - Low Level by 1600 Series Methods

C-8-W2

Method: EPA 1640

Prepared: 12/15/21 12:52

Instr: ICPMS03

Batch ID: W1L1038 Preparation: EPA 1640#Preconcentration Copper, Dissolved

0.010

Analyst: ALN

(Continued)

(Continued)

Qualifier

Analyte

Sample Results

Sampled: 11/30/21 9:35 by Marisa Swiderski/Kate Buckley

C-9-W2 Sample:

1L01055-09 (Sea Water)

Metals - Low Level by 1600 Series Methods

Method: EPA 1640

Instr: ICPMS03

MRI

Batch ID: W1L1038 Preparation: EPA 1640#Preconcentration Copper, Dissolved 0.0038

Prepared: 12/15/21 12:52 Analyst: ALN 12/15/21 ug/l

Sample Results

Sampled: 11/30/21 9:05 by Marisa Swiderski/Kate Buckley

Sample: C-10-W2 1L01055-10 (Sea Water)

MDL MRL Analyzed Qualifier

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W1L1038 Prepared: 12/15/21 12:52 Analyst: ALN Preparation: EPA 1640#Preconcentration 0.010 Copper, Dissolved 0.0038 12/15/21 ug/l

1L01055 Page 4 of 9



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 12/30/2021 18:15

(Continued)

Project Manager: Rolf Schottle

XX	Sample Resul	lts
Samp	e: C-11-W2	

Sampled: 11/30/21 9:17 by Marisa Swiderski/Kate Buckley

·				•			•
1L01055-11 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W1L1041	Preparation: EPA 1640#Preconcentration		Prepared: 12/1	5/21 12:57			Analyst: ALN
Copper, Dissolved	7.2	0.0038	0.010	ug/l	1	12/29/21	
Sample Results							(Continued)

	•							
Sample:	C-12-W2			S	Sampled: 11/30	/21 8:40 b	y Marisa Swide	rski/Kate Buckley
	1L01055-12 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low L	evel by 1600 Series Methods							
Method: EPA	1640			Instr: ICPMS03	3			
Batch ID: W	V1L1041	Preparation: EPA 1640#Preconcentration		Prepared: 12/	15/21 12:57			Analyst: ALN
Copper, Di	ssolved	7.1	0.0038	0.010	ug/l	1	12/29/21	
Sa	mnla Results							(Continued)

Sample:

Sample Results

1L01055-13 (Sea Water)

` '							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640		lı	nstr: ICPMS03				

Batch ID: W1L1041

C-13-W2

Prepared: 12/15/21 12:57

MRL

Units

Analyst: ALN

(Continued)

Qualifier

Copper, Dissolved 12/29/21 0.0038 0.010

Preparation: EPA 1640#Preconcentration

Sample:

Sample Results

Sampled: 11/30/21 8:10 by Marisa Swiderski/Kate Buckley

Sampled: 11/30/21 8:15 by Marisa Swiderski/Kate Buckley

1L01055-14 (Sea Water) Analyte

C-REF-1-W2

Analyzed Metals - Low Level by 1600 Series Methods Method: EPA 1640 Instr: ICPMS03

Batch ID: W1L1041 Preparation: EPA 1640#Preconcentration Prepared: 12/15/21 12:57 Analyst: ALN 0.0038 12/29/21 Copper, Dissolved 0.010 ug/l

Result

MDL

Sample:

Sample Results

(Continued)

Sampled: 11/30/21 7:55 by Marisa Swiderski/Kate Buckley

C-REF-2-W2 1L01055-15 (Sea Water)

MRL Analyzed Qualifier

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W1L1041 Prepared: 12/15/21 12:57 Analyst: ALN Preparation: EPA 1640#Preconcentration Copper, Dissolved 0.0038 0.010 12/29/21 ug/l

1L01055 Page 5 of 9



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 12/30/2021 18:15

Project Manager: Rolf Schottle

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Sa	ample Results							(Continued)
Sample:	FB-W2			S	Sampled: 11/30/21	7:40 b	y Marisa Swider	ski/Kate Buckley
	1L01055-16 (Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low	Level by 1600 Series Methods							
Method: EP/	A 1640			Instr: ICPMS03	3			
Batch ID:	W1L1041	Preparation: EPA 1640#Preconcentration	ı	Prepared: 12/	15/21 12:57			Analyst: ALN
Copper, D	Dissolved	ND	0.0038	0.010	ug/l	1	12/29/21	
Sa	ample Results							(Continued)
Sample:	N8-ER-W2			S	Sampled: 11/30/21	7:50 b	y Marisa Swide	ski/Kate Buckley
	1L01055-17 (Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS03	3			
Batch ID:	W1L1041	Preparation: EPA 1640#Preconcentration	ı	Prepared: 12/	15/21 12:57			Analyst: ALN
Copper, D	Dissolved	0.093	0.0038	0.010	ug/l	1	12/29/21	
Sa	ample Results							(Continued)
Sample:	E-14-W2			Sa	ampled: 11/30/21	12:10 b	y Marisa Swider	ski/Kate Buckley
	1L01055-18 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS03	3			
Batch ID:	W1L1041	Preparation: EPA 1640#Preconcentration		Prepared: 12/	15/21 12:57			Analyst: ALN
Copper, D	Dissolved		0.0038	0.010	ug/l	1	12/29/21	
Sa	ample Results							(Continued)
Sample:	E-15-W2			Sa	ampled: 11/30/21	11:15 b	y Marisa Swider	ski/Kate Buckley
	1L01055-19 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Preparation: EPA 1640#Preconcentration

Copper, Dissolved 0.0038 12/29/21 ug/l

Sample Results

Batch ID: W1L1041

Sample:

Sampled: 11/30/21 10:20 by Marisa Swiderski/Kate Buckley

Analyst: ALN

(Continued)

E-16-W2 1L01055-20 (Sea Water)

MDL MRL Analyzed Qualifier Metals - Low Level by 1600 Series Methods

Prepared: 12/15/21 12:57

Method: EPA 1640 Instr: ICPMS03

Batch ID: W1L1041 Preparation: EPA 1640#Preconcentration Prepared: 12/15/21 12:57 Analyst: ALN 0.010 12/29/21 Copper, Dissolved 0.0038 ug/l

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FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 12/30/2021 18:15

(Continued)

Project Manager: Rolf Schottle

XX	Sa	mple Results
Samp	le:	E-17-W2

Sampled: 11/30/21 10:07 by Marisa Swiderski/Kate Buckley

				-		-	-
1L01055-21 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W1L1041	Preparation: EPA 1640#Preconcentration		Prepared: 12/1	5/21 12:57			Analyst: ALN
Copper, Dissolved	14	0.0038	0.010	ug/l	1	12/29/21	



Analyte

Sample Results

(Continued)

Sample:	E-18-W2	Sampled: 11/30/21 9:15 by Marisa Swiderski/Kate Buckley
	1L01055-22 (Sea Water)	

MDL

Result

Result

Metals - Low Level by 1600 Series Methods	
Mathada FDA 1640	

MRL Units Analyzed Qualifier

Method: EPA 1640		instr: ICPIVISU3
Batch ID: W1L1041	Preparation: EPA 1640#Preconcentration	Prepared: 12/1

/15/21 12:57 Analyst: ALN 12/29/21

Caman Biasahaad	·	44	0.0038	0.010	/!	4
Copper, Dissolved		11	0.0036	0.010	ug/l	ı

Preparation: EPA 1640#Preconcentration

(Continued)

XX	Sa	mple	Results
Sample:		E-18-Dı	ıp-W2

Sampled: 11/30/21 9:30 by Marisa Swiderski/Kate Buckley

1L01055-23	(Sea Water)

Units Analyzed Qualifier

Sampled: 11/30/21 8:55 by Marisa Swiderski/Kate Buckley

Metals - Low Level by 1	1600 Series Methods
-------------------------	---------------------

Instr: ICPMS03

MRL

MDL

0.0038

Batch ID: W1L1041 Copper, Dissolved Prepared: 12/15/21 12:57 0.010 12/29/21



Analyte

Method: EPA 1640

Sample Results

(Continued)

Analyst: ALN

E-19-W2 Sample:

1L01055-24 (Sea Water)

MDL MRI Units Qualifier Analyte Result Analyzed Metals - Low Level by 1600 Series Methods

Method: EPA 1640

Instr: ICPMS03

Batch ID: W1L1041 Preparation: EPA 1640#Preconcentration Prepared: 12/15/21 12:57 Analyst: ALN 0.0038 12/29/21 Copper, Dissolved 0.010 ug/l



Sample:

Sample Results

(Continued)

Sampled: 11/30/21 8:30 by Marisa Swiderski/Kate Buckley

E-20-W2 1L01055-25 (Sea Water)

MRL Analyzed Qualifier Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W1L1041 Prepared: 12/15/21 12:57 Analyst: ALN Preparation: EPA 1640#Preconcentration 0.010 Copper, Dissolved 0.0038 12/29/21 6.9 ug/l

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FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

12/30/2021 18:15

Quality Control Results

Metals - Low Level by 1600 Series Methods											
					Spike	Source		%REC		RPD	
Analyte	Result	MDL	MRL	Units	Level	Result	%REC	Limits	RPD	Limit	Qualifie
Batch: W1L1038 - EPA 1640											
Blank (W1L1038-BLK1)					Prepared & A	nalyzed: 12/1	15/21				
Copper, Dissolved	ND	0.0038	0.010	ug/l							
LCS (W1L1038-BS1)					Prepared & A	nalyzed: 12/1	15/21				
Copper, Dissolved	10.8	0.0038	0.010	ug/l	10.0		108	70-130			
Matrix Spike (W1L1038-MS1)	Source: 1	L01055-01			Prepared & A	nalyzed: 12/1	15/21				
Copper, Dissolved	20.9	0.0038	0.010	ug/l	10.0	10.4	105	70-130			
Matrix Spike Dup (W1L1038-MSD1)	Source: 1	L01055-01		Pre	pared: 12/15/2	1 Analyzed:	12/16/21				
Copper, Dissolved	20.6	0.0038	0.010	ug/l	10.0	10.4	103	70-130	1	30	
Batch: W1L1041 - EPA 1640											
Blank (W1L1041-BLK1)				Pre	pared: 12/15/2	1 Analyzed:	12/29/21				
Copper, Dissolved	ND	0.0038	0.010	ug/l		•					
LCS (W1L1041-BS1)				Pre	pared: 12/15/2	1 Analyzed:	12/29/21				
Copper, Dissolved	10.8	0.0038	0.010	ug/l	10.0	•	108	70-130			
Matrix Spike (W1L1041-MS1)	Source: 1	L01055-11		Pre	pared: 12/15/2	1 Analyzed:	12/29/21				
Copper, Dissolved	18.8	0.0038	0.010	ug/l	10.0	7.19	116	70-130			
Matrix Spike (W1L1041-MS2)	Source: 1	L01055-22		Pre	pared: 12/15/2	1 Analyzed:	12/29/21				
Copper, Dissolved	22.8	0.0038	0.010	ug/l	10.0	11.2	116	70-130			
Matrix Spike Dup (W1L1041-MSD1)	Source: 1	L01055-11		Pre	pared: 12/15/2	1 Analyzed:	12/29/21				
Copper, Dissolved	19.5	0.0038	0.010	ug/l	10.0	7.19	123	70-130	4	30	
Matrix Spike Dup (W1L1041-MSD2)	Source: 1	L01055-22		Pre	pared: 12/15/2	1 Analyzed:	12/29/21				
Copper, Dissolved	23.1	0.0038	0.010	ug/l	10.0	11.2	120	70-130	1	30	

Project Manager: Rolf Schottle



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 12/30/2021 18:15

Project Manager: Rolf Schottle



Item

Notes and Definitions

%REC	Percent Recovery
Dil	Dilution
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

1L01055

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CHAIN OF CUSTODY RECORD

OT = Other Matrix

Analytical Laboratory Services - Since 1964

1201055 STANDARD 14859 East Clark Avenue: Industry: CA 91745 Page Of Tel 626-336-2139 ♦ Fax 626-336-2634 ♦ www.wecklabs.com SPECIAL HANDLING PRO JECT: CLIENT NAME: ANALYSES REQUESTED Same Day Rush 150% SIYB IWHC Pause Pilot Study Wood Environment & Infrastructure Solutions, Inc. (Port of San Diego) 24 Hour Rush 100% ADDRESS: PHONE 858-300-4324 48-72 Hour Rush 75% 858-300-4301 9177 Sky Park Ct. EAX. 4 - 5 Day Rush 30% FMAIL: marisa.swiderski@woodolc.com **Rush Extractions 50%** San Diego, CA 92123 barry.snyder@woodplc.com 10 Business Days SAMPLER PROJECT MANAGER QA/QC Data Package Marisa Swiderski (MS) / Kate Buckley (KB) Charges will apply for weekends/holidays Marisa Swiderski Ped H Method of Shipment: SMPL 1D# DATE TIME SAMPLE IDENTIFICATION/SITE LOCATION CONT (For lab Use Only) SAMPLED SAMPLED COMMENTS TYPE seawater C-1-W2 11/30/21 10:30 1 Х X seawater C-2-W2 1 11/30/21 12:30 Х 11/30/21 11:35 seawater C-3-W2 1 Х 11/30/21 10:40 seawater C-4-W2 1 seawater C-5-W2 1 Χ 11/30/21 10:18 1 Х 11/30/21 9.45 seawater C-6-W2 Х 11/30/21 9:55 seawater C-7-W2 1 X 9:45 seawater C-8-W2 1 11/30/21 seawater C-9-W2 Х 11/30/21 9:35 1 seawater C-10-W2 Х 11/30/21 9.05 1 11/30/21 9:17 seawater C-11-W2 SAMPLE TYPE CODE: RECEIVED BY RELINQUISHED BY DATE / TIME SAMPLE CONDITION: AQ=Aqueous 12/01/2021 0900 Actual Temperature: NA= Non Aqueous Marina Arvidoria 5,4°C Received On Ice SL = Sludge DW = Drinking Water RELINQUISHED BY RECEIVE® BY WW = Waste Water Preserved RW = Rain Water Evidence Seals Present Container Intact GW = Ground Water Preserved at Lab SO = Soil RELINQUISHED BY SW = Solid Waste O! ≃ Oil

- 1) LAB ACTION: PRESERVE Cu samples IMMEDIATELY. HDPE metals bottles have NO acid (HNO3) in bottle.
- Dissolved metals were field filtered using 0.45 um bottletop filt. system.
- Preserve any extra volume of each sample for dissolved metals to archive.
- 4) SPIKE level at the following amounts: Copper = 10 ug/L
- 5) WECK will contact Wood PM within 24 hours if any sample anomalies are found.

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CHAIN OF CUSTODY RECORD

Analytical Laboratory Services - Since 1964 14859 East Clark Avenue: Industry: CA 91745

1L01055 **STANDARD** Tel 626-336-2139 ♦ Fax 626-336-2634 ♦ www.wecklabs.com Page CLIENT NAME: PROJECT: SPECIAL HANDLING ANALYSES REQUESTED Same Day Rush 150% SIYB IWHC Pause Pilot Study Wood Environment & Infrastructure Solutions, Inc. (Port of San Diego) 24 Hour Rush 100% ADDRESS: 858-300-4324 PHONE: 48-72 Hour Rush 75% FAX-858-300-4301 9177 Sky Park Ct. 4 - 5 Day Rush 30% EMAIL: marisa.swiderski@woodplc.com San Diego, CA 92123 Rush Extractions 50% barry.snyder@woodplc.com 10. Business Days PROJECT MANAGER SAMPLER. OA/OC Data Package Marisa Swiderski Marisa Swiderski (MS) / Kate Buckley (KB) Charges will apply for weekends/holidays Dissolved (Method of Shipment: ID# DATE TIME SMPL #OF SAMPLE IDENTIFICATION/SITE LOCATION (For lab Use Only) SAMPLED. SAMPLED CONT TYPE COMMENTS 11/30/21 8:40 seawater C-12-W2 Х 1 Х 11/30/21 8:15 C-13-W2 1 seawater 11/30/21 8:10 seawater C-REF-1-W2 Х 1 7:55 seawater C-RFF-2-W2 1 X 11/30/21 1 Х 11/30/21 7:40 DI FB-W2 11/30/21 7:50 DΙ N8-ER-W2 -1 seawater F-14-W2 1 Х 11/30/21 12:10 Х 11/30/21 11:15 seawater E-15-W2 1 seawater E-16-W2 Х 11/30/21 10:20 1 11/30/21 10:07 seawater E-17-W2 1 Х 11/30/21 seawater E-18-W2 extra vol. analyze sample MS/MSD 9.15 RELINQUISHED BY SAMPLE TYPE CODE DATE / TIME RECEIVED BY SAMPLE CONDITION: AQ=Aqueous Marina Swider 12/01/2021 Actual Temperature: NA= Non Aqueous S.4 Received On Ice SL = Sludge RECEIVED BY RELINQUISHED BY DW = Drinking Water Preserved WW = Waste Water RW = Rain Water Evidence Seals Present GW = Ground Water Container Intact Preserved at Lab RËLINQUISHED BY RÉCEIVED BY SO = Soil SW = Solid Waste OL = Oil OT = Other Matrix

- 1) LAB ACTION: PRESERVE Cu samples IMMEDIATELY. HDPE metals bottles have NO acid (HNO3) in bottle.
- Dissolved metals were field filtered using 0.45 um bottletop filt. system.
- 3) Preserve any extra volume of each sample for dissolved metals to archive.
- SPIKE level at the following amounts: Copper = 10 ug/L
- WECK will contact Wood PM within 24 hours if any sample anomalies are found.

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CHAIN OF CUSTODY RECORD

Analytical Laboratory Services - Since 1964

14859 East Clark <i>I</i> Tel 626-336 - 2139		•			com				S	TAN	NDAR	(D	110	105	5	Page	3	Of	3
CLIENT NAME:				PROJECT:		:		Т		ANAI	LYSES	REQL	IESTE)		SPECIA	L HAI	IDLING	 .
Wood Environment & ADDRESS: 9177 Sky Park Ct. San Diego, CA 9212	23	e Solutions,		PHONE: 8 FAX: 8 EMAIL: m	(Port of San 858-300-432 858-300-430 marisa.swiders	24		7,2 _0.0038 pg/L, RL= 0,D1 pg/L					-			רררהו	24 Hour 48-72 H 4 - 5 Da Rush E: 10 Bus	Day Rush 1 r Rush 100 dour Rush 30 ay Rush 30 xtractions t	0% 75% 0% 50%
PROJECT MANAGER				SAMPLER	tki (NACN (W-to Duelder	. (170)	ppper 10 MDI										Data Pack	
Marisa Swiderski ID#	DATE	TIBAL	SMPL		erski (IVIS) i	Kate Buckley		- Se Cc								Method of S			nds/holidays
ID# (For lab Use Only)	DATE SAMPLED	TIME SAMPLED	TYPE	SAMPLE IDEN	NTIFICATION/S	SITE LOCATION	# OF CONT.	Dissolve Method EF								COMMENTS	•		
	11/30/21	9:30	seawate	r E-18-Dup-W	/2		1	Х											
	11/30/21	8:55	seawater	E-19-W2	€		1	Х											
	11/30/21	8:30	seawater	r E-20-W2	ę.		1	Х											
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	<u> </u>																		
								\Box											
RELINQUISHED B		<u></u>	12/	 E/TIME 01/2021	<u> </u>	RECEIVED	1			<u>.</u>	1 01	1_1	Act	SAMPL rual Temp	pe <u>r</u> atur	ONDITION: re:		AQ=Aqu	n Aqueous
RELINQUISHED B	Sund	L	ĺΣ	=/TIME //: 0/2	30	RECEIVE		./.2	2/	(/:	30		Pre Evi Co	ceived Or eserved dence Se ntainer In	n Ice eals Pr ntact	6	N N N N N N N N N N N N N N N N N N N	DW = Dr WW = W RW = Ra GW = Gi	rinking Water Vaste Water ain Water Ground Water
RELINQUISHED B	Ϋ́		DATE	E/TIME		RECEIVED) BY						Pre	eserved a		,	YIL	OL = Oil	olid Waste

- 1) LAB ACTION: PRESERVE Cu samples IMMEDIATELY. HDPE metals bottles have NO acid (HNO3) in bottle.
- 2) Dissolved metals were field filtered using 0.45 um bottletop filt. system.
- 3) Preserve any extra volume of each sample for dissolved metals to archive.
- 4) SPIKE level at the following amounts: Copper = 10 ug/L
- 5) WECK will contact Wood PM within 24 hours if any sample anomalies are found.

WEEK 2 REANALYSES ANALYTICAL RESULTS



SUPPLEMENTAL REPORT

Work Orders: 1L01055 Report Date: 6/21/2022

Received Date: 12/1/2021

Turnaround Time: Normal

Phones: (858) 300-4323

Fax: (858) 278-5300

P.O. #:

Billing Code:

Attn: Rolf Schottle

Client: Wood - San Diego

9177 Sky Park Court, Ste A San Diego, CA 92123

Project: SIYB IWHC Pause Pilot (Port of San Diego)

Dod-Elap anab #ade-2882 • Dod-Iso anab # • Elap-ca #1132 • Epa-ucmr #ca00211 • Hw-doh #4047 • Iso17025 anab #L2457.01 • Lacsd #10143 • Nelap-or #4047 • NJ-dep #ca015 • NV-dep #nac 445a • Scaqmd #93la1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Rolf Schottle,

Enclosed are the results of analyses for samples received 12/01/21 with the Chain-of-Custody document. The samples were received in good condition, at 5.4 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Chris Samatmanakit Project Manager

1: State











SUPPLEMENTAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

06/21/2022 13:14



Case Narrative

This is a Supplement to the Certificate of Analysis previously issued 2/9/22 for the above referenced Project to only report select re-analysis results.

Project Manager: Rolf Schottle

-CSS 6/21/22



Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
C-9-W2	Marisa Swiderski/Kate Buckley	1L01055-09	Sea Water	11/30/21 09:35	
C-10-W2	Marisa Swiderski/Kate Buckley	1L01055-10	Sea Water	11/30/21 09:05	

1L01055 Page 2 of 5



SUPPLEMENTAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

ug/l

Reported: 06/21/2022 13:14

Project Manager: Rolf Schottle

Sample Results

C-9-W2 Sample: Sampled: 11/30/21 9:35 by Marisa Swiderski/Kate Buckley 1L01055-09RE1 (Sea Water) MRL Units Dil Analyzed Qualifier Analyte Result Metals - Low Level by 1600 Series Methods Method: EPA 1640 Instr: ICPMS07 Batch ID: W1L2014 Prepared: 12/29/21 16:20 Preparation: EPA 1640#Preconcentration Analyst: tbd Copper, Dissolved 0.010 01/28/22

Sample Results

C-10-W2 Sampled: 11/30/21 9:05 by Marisa Swiderski/Kate Buckley Sample:

1L01055-10RE1 (Sea Water)

Analyte Result MRL Units Analyzed Qualifier

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS07

Batch ID: W1L2014 Preparation: EPA 1640#Preconcentration Prepared: 12/29/21 16:20 Analyst: tbd

0.010 01/28/22 Copper, Dissolved ug/l



SUPPLEMENTAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

06/21/2022 13:14

Quality Control Results

Metals - Low Level by 1600 Series Methods										
				Spike	Source		%REC		RPD	
Analyte	Result	MRL	Units	Level	Result	%REC	Limits	RPD	Limit	Qualifier
Batch: W1L2014 - EPA 1640										
Blank (W1L2014-BLK1)			Pre	oared: 12/29/2	1 Analyzed	: 01/28/22	2			
Copper, Dissolved	0.0160	0.010	ug/l							B-06
LCS (W1L2014-BS1)			Pre	pared: 12/29/2	1 Analyzed	: 01/28/22	2			
Copper, Dissolved	10.9	0.010	ug/l	10.0	•	109	70-130			
Matrix Spike (W1L2014-MS1)	Source: 1L08094	-10	Pre	pared: 12/29/2	1 Analyzed	: 01/28/22	2			
Copper, Dissolved	19.2	0.010	ug/l	10.0	10.2	90	70-130			
Matrix Spike (W1L2014-MS2)	Source: 1L08094	-18	Pre	pared: 12/29/2	1 Analyzed	: 01/28/22	2			
Copper, Dissolved	11.3	0.010	ug/l	10.0	0.435	109	70-130			
Matrix Spike Dup (W1L2014-MSD1)	Source: 1L08094	-10	Pre	pared: 12/29/2	1 Analyzed	: 01/28/22	2			
Copper, Dissolved	18.4	0.010	ug/l	10.0	10.2	82	70-130	4	30	
Matrix Spike Dup (W1L2014-MSD2)	Source: 1L08094	-18	Pre	pared: 12/29/2	1 Analyzed	: 01/28/22	2			
Copper, Dissolved	11.3	0.010	ug/l	10.0	0.435	109	70-130	0.2	30	

Project Manager: Rolf Schottle

1L01055 Page 4 of 5



SUPPLEMENTAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

06/21/2022 13:14



Item B-06

Notes and Definitions

B-06	This analyte was found in the method blank, which was possibly contaminated during sample preparation. The batch was accepted since this analyte was either not detected or more than 10 times of the blank value for all the samples in the batch.
%REC	Percent Recovery
Dil	Dilution
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Project Manager: Rolf Schottle

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

1L01055 Page 5 of 5

WEEK 3 ANALYTICAL RESULTS



FINAL REPORT

Work Orders: 1L08094 Report Date: 2/04/2022

Received Date: 12/8/2021

Turnaround Time: Normal

Phones: (858) 300-4324

Fax: (858) 278-5300

P.O. #:

Billing Code:

Project: SIYB IWHC Pause Pilot (Port of San Diego)

Attn: Marisa Swiderski

Client: Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • LACSD #10143 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAOMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Marisa Swiderski,

Enclosed are the results of analyses for samples received 12/08/21 with the Chain-of-Custody document. The samples were received in good condition, at 2.8 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Chris Samatmanakit Project Manager

1: State











FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/04/2022 12:53

Project Manager: Marisa Swiderski



Case Narrative

Report revised with corrected analytical instrument ID.

-CSS 2/4/22



Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
C-1-W3	Marisa Swiderski/Kate Buckley	1L08094-01	Sea Water	12/07/21 10:40	
C-2-W3	Marisa Swiderski/Kate Buckley	1L08094-02	Sea Water	12/07/21 11:00	
C-3-W3	Marisa Swiderski/Kate Buckley	1L08094-03	Sea Water	12/07/21 10:30	
C-4-W3	Marisa Swiderski/Kate Buckley	1L08094-04	Sea Water	12/07/21 10:00	
C-5-W3	Marisa Swiderski/Kate Buckley	1L08094-05	Sea Water	12/07/21 10:25	
C-6-W3	Marisa Swiderski/Kate Buckley	1L08094-06	Sea Water	12/07/21 09:25	
C-7-W3	Marisa Swiderski/Kate Buckley	1L08094-07	Sea Water	12/07/21 10:15	
C-8-W3	Marisa Swiderski/Kate Buckley	1L08094-08	Sea Water	12/07/21 10:00	
C-9-W3	Marisa Swiderski/Kate Buckley	1L08094-09	Sea Water	12/07/21 09:45	
C-10-W3	Marisa Swiderski/Kate Buckley	1L08094-10	Sea Water	12/07/21 09:05	
C-10-Dup-W3	Marisa Swiderski/Kate Buckley	1L08094-11	Sea Water	12/07/21 09:15	
C-11-W3	Marisa Swiderski/Kate Buckley	1L08094-12	Sea Water	12/07/21 09:35	
C-12-W3	Marisa Swiderski/Kate Buckley	1L08094-13	Sea Water	12/07/21 08:45	
C-13-W3	Marisa Swiderski/Kate Buckley	1L08094-14	Sea Water	12/07/21 08:50	
C-REF-1-W3	Marisa Swiderski/Kate Buckley	1L08094-15	Sea Water	12/07/21 08:30	
C-REF-2-W3	Marisa Swiderski/Kate Buckley	1L08094-16	Sea Water	12/07/21 08:15	
FB-W3	Marisa Swiderski/Kate Buckley	1L08094-17	Water	12/07/21 08:10	
N3-ER-W3	Marisa Swiderski/Kate Buckley	1L08094-18	Water	12/07/21 08:25	



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/04/2022 12:53

Qualifier

Project Manager: Marisa Swiderski

	Sample	Results
--	--------	---------

Sample: C-1-W3 Sampled: 12/07/21 10:40 by Marisa Swiderski/Kate Buckley 1L08094-01 (Sea Water) MRI Units Dil Qualifier MDL Analyzed Analyte Result Metals - Low Level by 1600 Series Methods Method: EPA 1640 Instr: ICPMS07 Batch ID: W1L2014 Preparation: EPA 1640#Preconcentration Prepared: 12/29/21 16:20 Analyst: tbd Copper, Dissolved 0.0038 0.010 01/28/22 ug/l

Analyte

Analyte

Sample:

Sample Results

C-2-W3 Sample: Sampled: 12/07/21 11:00 by Marisa Swiderski/Kate Buckley

1L08094-02 (Sea Water) Result MDL MRL Units Dil Analyzed Qualifier

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS07

Batch ID: W1L2014 Preparation: EPA 1640#Preconcentration Prepared: 12/29/21 16:20 Analyst: tbd

0.010 01/28/22 Copper, Dissolved 0.0038 ug/l

Sample Results

C-3-W3 Sampled: 12/07/21 10:30 by Marisa Swiderski/Kate Buckley Sample:

1L08094-03 (Sea Water) MDL MRL Units Analyzed Result

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS07

Batch ID: W1L2014 Analyst: tbd Preparation: EPA 1640#Preconcentration Prepared: 12/29/21 16:20 Copper, Dissolved 0.0038 0.010 ug/l 01/28/22

Sample Results

C-4-W3 Sampled: 12/07/21 10:00 by Marisa Swiderski/Kate Buckley Sample:

1L08094-04 (Sea Water)

MDL MRI Units Analyzed Qualifier Analyte Result

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS07

Batch ID: W1L2014 Preparation: EPA 1640#Preconcentration Prepared: 12/29/21 16:20 Analyst: tbd 0.0038 01/28/22 Copper, Dissolved ug/l

Sample Results

C-5-W3 Sampled: 12/07/21 10:25 by Marisa Swiderski/Kate Buckley

1L08094-05 (Sea Water)

MRL Analyzed Qualifier Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS07

Batch ID: W1L2014 Prepared: 12/29/21 16:20 Analyst: tbd Preparation: EPA 1640#Preconcentration Copper, Dissolved 0.0038 0.010 01/28/22 ug/l

1L08094 Page 3 of 8



Sampled: 12/07/21 9:05 by Marisa Swiderski/Kate Buckley

Analyzed

Qualifier

Page 4 of 8

Analyst: tbd

FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Sample:

1L08094

C-10-W3

Metals - Low Level by 1600 Series Methods

1L08094-10 (Sea Water)

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/04/2022 12:53

Project Manager: Marisa Swiderski

Sample Results							(Continued)
Sample: C-6-W3			Sa	mpled: 12/07	/21 9:25 b	y Marisa Swide	rski/Kate Buckley
1L08094-06 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS07				
Batch ID: W1L2014	Preparation: EPA 1640#Preconcentration		Prepared: 12/2	9/21 16:20			Analyst: tbd
Copper, Dissolved	10	0.0038	0.010	ug/l	1	01/28/22	
Sample Results							(Continued)
Sample: C-7-W3			Sa	mpled: 12/07,	/21 10:15 b	y Marisa Swide	rski/Kate Buckley
1L08094-07 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS07				
Batch ID: W1L2014	Preparation: EPA 1640#Preconcentration		Prepared: 12/2				Analyst: tbd
Copper, Dissolved	8.1	0.0038	0.010	ug/l	1	01/28/22	
Sample Results							(Continued)
Sample: C-8-W3			Sa	mpled: 12/07,	/21 10:00 b	y Marisa Swide	rski/Kate Buckley
1L08094-08 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS07				
Batch ID: W1L2014	Preparation: EPA 1640#Preconcentration		Prepared: 12/2				Analyst: tbd
Copper, Dissolved	6.2	0.0038	0.010	ug/l	1	01/28/22	
Sample Results							(Continued)
Sample: C-9-W3			Sa	mpled: 12/07	/21 9:45 b	y Marisa Swide	rski/Kate Buckley
1L08094-09 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS07				
Batch ID: W1L2014	Preparation: EPA 1640#Preconcentration		Prepared: 12/2				Analyst: tbd
Copper, Dissolved	11	0.0038	0.010	ug/l	1	01/28/22	
Sample Results							(Continued)

Method: EPA 1640 Instr: ICPMS07

MDL

MRL

 Batch ID: W1L2014
 Preparation: EPA 1640#Preconcentration
 Prepared: 12/29/21 16:20

 Copper, Dissolved
 10
 0.0038
 0.010
 ug/l
 1
 01/28/22



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Batch ID: W1L2014

Copper, Dissolved

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Project Manager: Marisa Swiderski

Reported:

Analyst: tbd

01/28/22

02/04/2022 12:53

3 , -		.,						
Sa	imple Results							(Continued
Sample:	C-10-Dup-W3			S	ampled: 12/07/2	1 9:15 b	y Marisa Swide	ski/Kate Buckle
	1L08094-11 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
letals - Low L	evel by 1600 Series Methods							
Method: EPA	1640			Instr: ICPMS07				
Batch ID: V	V1L2014	Preparation: EPA 1640#Preconcentration		Prepared: 12/2	9/21 16:20			Analyst: tb
Copper, Di	issolved	8.6	0.0038	0.010	ug/l	1	01/28/22	
Sa	imple Results							(Continued
Sample:	C-11-W3			Si	ampled: 12/07/2	1 9:35 b	y Marisa Swide	ski/Kate Buckle
	1L08094-12 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
1etals - Low L	evel by 1600 Series Methods							
Method: EPA	1640			Instr: ICPMS07				
Batch ID: V	W1L2014	Preparation: EPA 1640#Preconcentration		Prepared: 12/2	9/21 16:20			Analyst: th
Copper, Di	issolved	8.1	0.0038	0.010	ug/l	1	01/28/22	
Sa	imple Results							(Continue
Sample:	C-12-W3			Si	ampled: 12/07/2	1 8:45 b	y Marisa Swide	ski/Kate Buckl
	1L08094-13 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualif
letals - Low L	evel by 1600 Series Methods							
Method: EPA	1640			Instr: ICPMS07				
Batch ID: V	V1L2014	Preparation: EPA 1640#Preconcentration		Prepared: 12/2	9/21 16:20			Analyst: th
Copper, Di	issolved	3.1	0.0038	0.010	ug/l	1	01/28/22	
Sa	imple Results							(Continue
Sample:	C-13-W3			S	ampled: 12/07/2	1 8:50 b	y Marisa Swide	ski/Kate Buckl
	1L08094-14 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualif
letals - Low L	evel by 1600 Series Methods							
Method: EPA	1640			Instr: ICPMS07				
Batch ID: V	W1L2014	Preparation: EPA 1640#Preconcentration		Prepared: 12/2	9/21 16:20			Analyst: tb
Copper, Di	issolved	1.6	0.0038	0.010	ug/l	1	01/28/22	
Sa	imple Results							(Continue
Sample:	C-REF-1-W3			S	ampled: 12/07/2	1 8:30 b	y Marisa Swide	rski/Kate Buckl
	1L08094-15 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualif
Allulyte								
	evel by 1600 Series Methods							

1L08094 Page 5 of 8

0.40

0.0038

Prepared: 12/29/21 16:20

ug/l

0.010

Preparation: EPA 1640#Preconcentration



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Batch ID: W1L2014

Copper, Dissolved

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Prepared: 12/29/21 16:20

0.010

Reported:

02/04/2022 12:53

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		A	(
			•
		7	

(Continued)

Analyst: tbd

01/28/22

	(Continue		Sample Results
Sampled: 12/07/21 8:15 by Ma	Sampled: 12/07/21 8:15 by Marisa Swiderski/Kate Buckl		Sample: C-REF-2-W3
			1L08094-16 (Sea Water)
esult MDL MRL Units Dil	Result MDL MRL Units Dil Analyzed Qualif	Result	Analyte
			letals - Low Level by 1600 Series Methods
Instr: ICPMS07	Instr: ICPMS07		Method: EPA 1640
•	·	Preparation: EPA 1640#Preconcentration	Batch ID: W1L2014
0.44 0.0038 0.010 ug/l 1	0.44 0.0038 0.010 ug/l 1 01/28/22	0.44	Copper, Dissolved
	(Continue		Sample Results
Sampled: 12/07/21 8:10 by Ma	Sampled: 12/07/21 8:10 by Marisa Swiderski/Kate Buckl		Sample: FB-W3
			1L08094-17 (Water)
esult MDL MRL Units Dil	Result MDL MRL Units Dil Analyzed Qualif	Result	1L08094-17 (Water) Analyte
esult MDL MRL Units Dil	Result MDL MRL Units Dil Analyzed Qualif	Result	Analyte
esult MDL MRL Units Dil	· · · · · · · · · · · · · · · · · · ·	Result	Analyte letals - Low Level by 1600 Series Methods
Instr: ICPMS07	Instr: ICPMS07	Result Preparation: EPA 1640#Preconcentration	Analyte letals - Low Level by 1600 Series Methods
Instr: ICPMS07 ration	Instr: ICPMS07 640#Preconcentration Prepared: 12/29/21 16:20 Analyst: the	Preparation: EPA 1640#Preconcentration	Analyte Metals - Low Level by 1600 Series Methods Method: EPA 1640
Instr: ICPMS07 ration	Instr: ICPMS07 640#Preconcentration Prepared: 12/29/21 16:20 Analyst: the	Preparation: EPA 1640#Preconcentration	Analyte letals - Low Level by 1600 Series Methods Method: EPA 1640 Batch ID: W1L2014
Instr: ICPMS07 ration	Instr: ICPMS07 640#Preconcentration Prepared: 12/29/21 16:20 Analyst: tb 0.029 0.0038 0.010 ug/l 1 01/28/22 B-	Preparation: EPA 1640#Preconcentration	Analyte letals - Low Level by 1600 Series Methods Method: EPA 1640 Batch ID: W1L2014 Copper, Dissolved
Instr: ICPMS07 ration	Instr: ICPMS07 1640#Preconcentration Prepared: 12/29/21 16:20 Analyst: tt 1.00.029 0.0038 0.010 ug/l 1 01/28/22 B- (Continue)	Preparation: EPA 1640#Preconcentration	Analyte Iletals - Low Level by 1600 Series Methods Method: EPA 1640 Batch ID: W1L2014 Copper, Dissolved Sample Results
Instr: ICPMS07 ration	Instr: ICPMS07 640#Preconcentration	Preparation: EPA 1640#Preconcentration 0.029	Analyte Iletals - Low Level by 1600 Series Methods Method: EPA 1640 Batch ID: W1L2014 Copper, Dissolved Sample Results Sample: N3-ER-W3
Instr: ICPMS07 ration Prepared: 12/29/21 16:20 .029 0.0038 0.010 ug/l 1 Sampled: 12/07/21 8:25 by Ma	Instr: ICPMS07 640#Preconcentration	Preparation: EPA 1640#Preconcentration 0.029	Analyte letals - Low Level by 1600 Series Methods Method: EPA 1640 Batch ID: W1L2014 Copper, Dissolved Sample Results Sample: N3-ER-W3 1L08094-18 (Water)

0.0038

Preparation: EPA 1640#Preconcentration

Project Manager: Marisa Swiderski



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/04/2022 12:53

Project Manager: Marisa Swiderski

Quality	Control	Results
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Metals - Low Level by 1600 Series Methods											
					Spike	Source		%REC		RPD	
Analyte	Result	MDL	MRL	Units	Level	Result	%REC	Limits	RPD	Limit	Qualifier
Batch: W1L2014 - EPA 1640											
Blank (W1L2014-BLK1)				Prep	ared: 12/29/2	1 Analyzed:	01/28/22	2			
Copper, Dissolved	0.0160	0.0038	0.010	ug/l							B-06
LCS (W1L2014-BS1)				Prep	ared: 12/29/2	1 Analyzed:	01/28/22	2			
Copper, Dissolved	10.9	0.0038	0.010	ug/l	10.0		109	70-130			
Matrix Spike (W1L2014-MS1)	Source: 1	L08094-10		Prep	ared: 12/29/2	1 Analyzed:	01/28/22	2			
Copper, Dissolved	19.2	0.0038	0.010	ug/l	10.0	10.2	90	70-130			
Matrix Spike (W1L2014-MS2)	Source: 1	L08094-18		Prep	ared: 12/29/2	1 Analyzed:	01/28/22	2			
Copper, Dissolved	11.3	0.0038	0.010	ug/l	10.0	0.435	109	70-130			
Matrix Spike Dup (W1L2014-MSD1)	Source: 1	L08094-10		Prep	ared: 12/29/2	1 Analyzed:	01/28/22	2			
Copper, Dissolved	18.4	0.0038	0.010	ug/l	10.0	10.2	82	70-130	4	30	
Matrix Spike Dup (W1L2014-MSD2)	Source: 1	L08094-18		Prep	ared: 12/29/2	1 Analyzed:	01/28/22	2			
Copper, Dissolved	11.3	0.0038	0.010	ug/l	10.0	0.435	109	70-130	0.2	30	



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

02/04/2022 12:53



Item

Notes and Definitions

B-06 B-08	This analyte was found in the method blank, which was possibly contaminated during sample preparation. The batch was accepted since this analyte was either not detected or more than 10 times of the blank value for all the samples in the batch. Analyte is found in the method blank, which was possibly contaminated during sample preparation.
%REC	Percent Recovery
Dil	Dilution
MDL	Method Detection Limit
MRL RPD	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ) Relative Percent Difference
Source	Sample that was matrix spiked or duplicated

Project Manager: Marisa Swiderski

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

1L08094 Page 8 of 8

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Weck Laboratories, Inc.

CHAIN OF CUSTODY RECORD

14859 Fast Clark Avenue: Industry: CA 91745

Analytical Laboratory Services - Since 1964

STANDARD

1 1000 Edot Oldine	rondo i ma	acay . c/.		•																
Tel 626-336-2139	◆ Fax 626-	-336-2634	♦ wwv	v.wecklabs.c	om												-Page_	1_		2
CLIENT NAME:				PROJECT:						AN	ALYS	ES F	EQUES	STED			SPECIA	L HA	NDLING	3
Wood Environment &	Infrastructure	e Solutions, l	Inc.	(Port of San			l µg/L										24 Ho	Day Rush ır Rush 100	0%
ADDRESS:					58-300-4324			= 0.01						1 1		1	ļ 	48-72	Hour Rush	75%
9177 Sky Park Ct.				FAX: 8	58-300-430°	1		ب ا			ļ	-	i			1		4 - 5 [ay Rush 30)%
San Diego, CA 92123	3			1		ki@woodplc.co	<u>m</u>	671 8				- [Rush!	Extractions	50%
					arry.snyder@v	woodplc.com		2 0.003			l						7	10 Bu	siness Day	s
PROJECT MANAGER				SAMPLER				per¹ MD∟					İ			L		QA/Q(Data Pac	kage
Marisa Swiderski				Marisa Swide	erski (MS) / I	Kate Buckley	(KB)	Cop 1640									Charges will		-	nds/holiday
ID#	DATE	TIME	SMPL				#OF	lved EPA						1 1		L	Method of S	hipmer	t:	
(For lab Use Only)	SAMPLED	SAMPLED	TYPE	SAMPLE IDEN	HEICATION/SI	TE LOCATION	CONT.	Dissol Method								ļ	COMMENTS	;		
	12/07/21	10:40	seawate	C-1-W3			1	X				i		1	T	T	****	·	•	
	12/07/21	11:00	seawate	C-2-W3			1	Х								一				
	12/07/21	10:30	seawate	C-3-W3			1	Х										v		
	12/07/21	10:00	seawate	C-4-W3			1	Х				"								
	12/07/21	10:25	seawate	C-5-W3			1	Х												
	12/07/21	9:25	seawate.	C-6-W3			1	Х												
	12/07/21	10:15	seawate	C-7-W3			1	Х												
	12/07/21	10:00		C-8-W3			. 1	Х												
	12/07/21	9:45		C-9-W3			1	Х		-										
	12/07/21	9:05	seawate	C-10-W3			1	Х									extra vol. a	nalyze	sample	MS/MSD
	12/07/21	9:15		C-10-Dup-W:	3		1	Х												
RELINQUISHED B	Υ		DATE	E/TIME		RECEIVED	BY				4			S	AMPLE	E CO	NDITION:		SAMPL AQ=Aq	E TYPE COD
Marisa S		÷		108/2021	0900	Mag	برام	lá	Z-8.	-2(9	<u>: ა</u> ბ)	Actual	Tempe	erature	3.5°	((A)	NA= No SL = SI	n Aqueous udge
RELINQUISHED B	Υ		DATE	E/TIME		RECEIVED	By			į	ļ				ed On	Ice	(Y)		rinking Wate
Magaly			12-5	3-21/13	35	Jam	-Jun	lV	વિ	ય	13	35_			ved ice Sea ner Inta		esent	Y	RW ≃ B	Vaste Water lain Water Ground Wate
RELINQUISHED B	Y			E/TIME		RECEIVED	BY							Preser	ved at l	Lab		Y (N) so = s	
				. <i>I</i>											T	ኃረડ	4		OL = O	iolid Waste il ther Matrix

- 1) LAB ACTION: PRESERVE Cu samples IMMEDIATELY. HDPE metals bottles have NO acid (HNO3) in bottle.
- 2) Dissolved metals were field filtered using 0.45 um bottletop filt. system.
- 3) Preserve any extra volume of each sample for dissolved metals to archive.
- 4) SPIKE level at the following amounts: Copper = 10 ug/L
- 5) WECK will contact Wood PM within 24 hours if any sample anomalies are found.

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Weck Laboratories, Inc. Analytical Laboratory Services - Since 1964

CHAIN OF CUSTODY RECORD

14859 East Clark Avenue: Industry: CA 91745

STANDARD

Tel 626-336-2139	◆ Fax 626-	-336-2634	♦ wwv	v.wecklab	s.com												Page	2	Of	
CLIENT NAME:				PROJECT:		•				AN	ALYS	ES R	EQUE	STED			SPEC	AL HAI	NDLING	;
Wood Environment & ADDRESS: 9177 Sky Park Ct. San Diego, CA 92123	177 Sky Park Ct.				/B IWHC Paus (Port of Sar 858-300-432 858-300-430 marisa.swiden	n Diego) 24	<u>om</u>	8 µg/L, RL÷ 0.01 µg/L									transp. Suppose Spenson Sections	24 Hou 48-72 H 4 - 5 Da	Day Rush 1 r Rush 100 lour Rush ay Rush 30 xtractions	9% 75% 9%
				<u> </u>	barry.snyder@	woodplc.com		1,2 . 0.003									~		iness Day	
PROJECT MANAGER Marisa Swiderski				SAMPLER Marisa Sw	viderski (MS) /	Kate Buckley	(KB)	Copper ¹ 1640 MDL									Charges v		Data Pack or weeker	age nds/holidays
ID#	DATE	TIME	SMPL				# OF	PA E			1						Method of	Shipment		
(For lab Use Only)	SAMPLED	SAMPLED	TYPE	SAMPLE II	DENTIFICATION/S	SITE LOCATION	CONT.	Dissol									COMMEN	rs		
	12/07/21	9:35	seawater	C-11-W3			1	Х												
	12/07/21	8:45	seawater	C-12-W3			1	Х												
	12/07/21	8:50		C-13-W3			1	Х												
	12/07/21	8:30	seawater	C-REF-1-	W3		1	Х												
•	12/07/21	8:15	seawater	C-REF-2-	W3	:	1	Х												
	12/07/21	8:10	DI	FB-W3			1	Х												
	12/07/21	8:25	DI	N3-ER-W	3		1	Х							ļ					
	<u> </u>		-											-						
	 							ļ									!			
														+		-	-			
RELINQUISHED B		I .		/TIME		RECEIVED	3			<u> </u>	1				SAMPL al Temp		ONDITION:	۸ [,] C	AQ=Aqu	E TYPE CODE: Jeous n Aqueous
Marisa Du	rden		1,51	08/2021	0900	Maga	214		12-	8-2	u	9:0	10	Actua	ai reiist	Jeratur	· L.Y) 🔦	SL = Slu	
RELINQUISHED BY DA				TE / TIME RECEIVED BY			12-8-21/9:00			Preserved Evidence Seals Present			WW = V RW = R GW = G	rinking Water Vaste Water ain Water iround Water						
RELINQUISHED BY DAT			DATE	/TIME		RECEIVED	BY		Preserved at Lab Y N SO SW OL					OL = Oi	olid Waste					

- 1) LAB ACTION: PRESERVE Cu samples IMMEDIATELY. HDPE metals bottles have NO acid (HNO3) in bottle.
- 2) Dissolved metals were field filtered using 0.45 um bottletop filt. system.
- 3) Preserve any extra volume of each sample for dissolved metals to archive.
- 4) SPIKE level at the following amounts: Copper = 10 ug/L
- 5) WECK will contact Wood PM within 24 hours if any sample anomalies are found.

WEEK 4 ANALYTICAL RESULTS



FINAL REPORT

Work Orders: 1L14074 Report Date: 2/04/2022

Received Date: 12/14/2021

Turnaround Time: Normal

Phones: (858) 300-4324

Fax: (858) 278-5300

P.O. #:

Billing Code:

Attn: Marisa Swiderski

Client: Wood - San Diego

9177 Sky Park Court, Ste A San Diego, CA 92123

Project: SIYB IWHC Pause Pilot (Port of San Diego)

ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • LACSD #10143 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Marisa Swiderski,

Enclosed are the results of analyses for samples received 12/14/21 with the Chain-of-Custody document. The samples were received in good condition, at 5.2 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Chris Samatmanakit Project Manager

1: State











FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 **Project Number:** SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/04/2022 10:44

Project Manager: Marisa Swiderski



Case Narrative

Final Report: This is a complete final report. The information in this report applyies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.



Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
C-1-W4	Marisa Swiderski/Kate Buckley	1L14074-01	Sea Water	12/13/21 12:10	
C-2-W4	Marisa Swiderski/Kate Buckley	1L14074-02	Sea Water	12/13/21 12:05	
C-3-W4	Marisa Swiderski/Kate Buckley	1L14074-03	Sea Water	12/13/21 11:25	
C-4-W4	Marisa Swiderski/Kate Buckley	1L14074-04	Sea Water	12/13/21 10:45	
C-5-W4	Marisa Swiderski/Kate Buckley	1L14074-05	Sea Water	12/13/21 11:50	
C-6-W4	Marisa Swiderski/Kate Buckley	1L14074-06	Sea Water	12/13/21 10:05	
C-7-W4	Marisa Swiderski/Kate Buckley	1L14074-07	Sea Water	12/13/21 11:30	
C-8-W4	Marisa Swiderski/Kate Buckley	1L14074-08	Sea Water	12/13/21 11:15	
C-9-W4	Marisa Swiderski/Kate Buckley	1L14074-09	Sea Water	12/13/21 11:00	
C-10-W4	Marisa Swiderski/Kate Buckley	1L14074-10	Sea Water	12/13/21 10:30	
C-11-W4	Marisa Swiderski/Kate Buckley	1L14074-11	Sea Water	12/13/21 10:50	
C-12-W4	Marisa Swiderski/Kate Buckley	1L14074-12	Sea Water	12/13/21 10:05	
C-13-W4	Marisa Swiderski/Kate Buckley	1L14074-13	Sea Water	12/13/21 09:20	
C-REF-1-W4	Marisa Swiderski/Kate Buckley	1L14074-14	Sea Water	12/13/21 09:20	
C-REF-2-W4	Marisa Swiderski/Kate Buckley	1L14074-15	Sea Water	12/13/21 09:05	
FB-W4	Marisa Swiderski/Kate Buckley	1L14074-16	Water	12/13/21 08:40	
N8-ER-W4	Marisa Swiderski/Kate Buckley	1L14074-17	Water	12/13/21 08:55	
E-14-W4	Marisa Swiderski/Kate Buckley	1L14074-18	Sea Water	12/13/21 11:55	
E-15-W4	Marisa Swiderski/Kate Buckley	1L14074-19	Sea Water	12/13/21 11:10	
E-16-W4	Marisa Swiderski/Kate Buckley	1L14074-20	Sea Water	12/13/21 10:30	
E-17-W4	Marisa Swiderski/Kate Buckley	1L14074-21	Sea Water	12/13/21 11:40	
E-18-W4	Marisa Swiderski/Kate Buckley	1L14074-22	Sea Water	12/13/21 09:50	
E-19-W4	Marisa Swiderski/Kate Buckley	1L14074-23	Sea Water	12/13/21 10:25	
E-20W4	Marisa Swiderski/Kate Buckley	1L14074-24	Sea Water	12/13/21 09:40	
E-20Dup-W4	Marisa Swiderski/Kate Buckley	1L14074-25	Sea Water	12/13/21 09:45	

1L14074 Page 2 of 9



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

02/04/2022 10:44

Reported:

Project Manager: Marisa Swiderski

|--|

Sample: C-1-W4 Sampled: 12/13/21 12:10 by Marisa Swiderski/Kate Buckley 1L14074-01 (Sea Water) MRI Units Dil Qualifier MDL Analyzed Analyte Result Metals - Low Level by 1600 Series Methods Method: EPA 1640 Instr: ICPMS07 Batch ID: W2A1833 Preparation: EPA 1640#Preconcentration Prepared: 01/27/22 18:03 Analyst: tbd Copper, Dissolved 0.0038 0.010 02/03/22 ug/l

Sample Results

Sample:

Analyte

C-2-W4

Sampled: 12/13/21 12:05 by Marisa Swiderski/Kate Buckley

1L14074-02 (Sea Water)

Result

MRL Units Dil Analyzed Qualifier

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS07

Batch ID: W2A1833 Preparation: EPA 1640#Preconcentration Prepared: 01/27/22 18:03 Analyst: tbd 0.010 02/03/22 0.0038 ug/l

MDL

Copper, Dissolved

Sample Results

C-3-W4 Sampled: 12/13/21 11:25 by Marisa Swiderski/Kate Buckley Sample:

1L14074-03 (Sea Water)

MDL MRL Units Analyzed Qualifier Analyte Result

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS07

Batch ID: W2A1833 Analyst: tbd Prepared: 01/27/22 18:03 Preparation: EPA 1640#Preconcentration Copper, Dissolved 0.0038 0.010 02/03/22

Sample Results

C-4-W4 Sampled: 12/13/21 10:45 by Marisa Swiderski/Kate Buckley Sample:

1L14074-04 (Sea Water)

MDL MRI Units Analyzed Qualifier Analyte Result

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS07

Batch ID: W2A1833 Preparation: EPA 1640#Preconcentration Prepared: 01/27/22 18:03 Analyst: tbd 0.0038 02/03/22 Copper, Dissolved ug/l

Sample Results

C-5-W4 Sampled: 12/13/21 11:50 by Marisa Swiderski/Kate Buckley Sample:

1L14074-05 (Sea Water)

MRI Analyzed Qualifier Metals - Low Level by 1600 Series Methods Instr: ICPMS07

Method: EPA 1640

Batch ID: W2A1833 Prepared: 01/27/22 18:03 Analyst: tbd Preparation: EPA 1640#Preconcentration 02/03/22 Copper, Dissolved 0.0038 0.010 ua/l



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/04/2022 10:44

(Continued)

Project Manager: Marisa Swiderski

Sa	ample Results
Sample:	C-6-W4
	1L14074-06 (Sea Water

Sampled: 12/13/21 10:05 by Marisa Swiderski/Kate Buckley

Analyzed

1L14074-06 (Sea Wate	er)						
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Metho	ods						
Method: EPA 1640			Instr: ICPMS0	7			
Batch ID: W2A1833	Preparation: EPA 1640#Preconcentration	า	Prepared: 01/	27/22 18:03			Analyst: tbd
Copper, Dissolved		0.0038	0.010	ug/l	1	02/03/22	

Analyte

Sample Results

- \ \ / - + - - \

(Continued)

Qualifier

Sample:	C-/-W4	Sampled: 12/13/21 11:30 by Marisa Swiderski/Kate Buckley
	1L14074-07 (Sea Water)	

MDL

Result

Metals - Low Level by 1600 Series Metho	ds
Marthaul EDA 1640	

Instr: ICPMS07

MRL

MRL

Method: EPA 1640 Batch ID: W2A1833 Preparation: EPA 1640#Preconcentration

Prepared: 01/27/22 18:03

Units

0.0038 0.010 ug/l 02/03/22 Copper, Dissolved



Sample Results

(Continued)

Analyst: tbd

Sample:	C-8-W4	Sampled: 12/13/21 11:15 by Marisa Swiderski/Kate Buckley
	1L14074-08 (Sea Water)	

Analyte		Result	MDL	MKL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 160	0 Series Methods							
Method: EPA 1640				Instr: ICPMS07				
Batch ID: W2A1833	Preparation: EPA 1640#Precond	centration		Prepared: 01/2	7/22 18:03			Analyst: tbd
Copper, Dissolved		9.7	0.0038	0.010	ua/l	1	02/03/22	



Analyte

Sample Results

(Continued)

(Continued)

Sample:	C-9-W4	Sampled: 12/13/21 11:00 by Marisa Swiderski/Kate Buckley
	1L14074-09 (Sea Water)	

Units Dil Analyzed Qualifier

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS07

Batch ID: W2A1833 Preparation: EPA 1640#Preconcentration Prepared: 01/27/22 18:03 Analyst: tbd 0.0038 02/03/22 Copper, Dissolved ug/l

MDL

Result

Sample Results Sample: C-10-W4

Sampled: 12/13/21 10:30 by Marisa Swiderski/Kate Buckley

1L14074-10 (Sea Water)

MRL Analyzed Qualifier Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS07

Batch ID: W2A1833 Prepared: 01/27/22 18:03 Analyst: tbd Preparation: EPA 1640#Preconcentration 0.010 02/03/22 Copper, Dissolved 0.0038 ug/l

1L14074 Page 4 of 9



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

1L14074-13 (Sea Water)

1L14074-14 (Sea Water)

Sample Results

Method: EPA 1640

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/04/2022 10:44

(Continued)

ski/Kate Buckley

Qualifier

Analyst: aln

(Continued)

ski/Kate Buckley

(Continued)

Qualifier

(Continued)

Qualifier

Page 5 of 9

Analyzed

Analyzed

Qualifier

Project Manager: Marisa Swiderski

Can Diego,	Analyte tals - Low Level by 1600 Series Methods lethod: EPA 1640 Batch ID: W2A1882 Copper, Dissolved Sample Results ample: C-12-W4 1L14074-12 (Sea Water)	i roject manager.					
Sa	ample Results						
Sample:	C-11-W4				Sampled: 12/13,	/21 10:50 b	y Marisa Swidersk
	1L14074-11 (Sea Water)						
Analyte		Result	MDL	MRL	Units	Dil	Analyzed
	•						
Method: EP	A 1640			Instr: ICPM	1S07		
Batch ID:	W2A1882	Preparation: EPA 1640#Preconcentration		Prepared:	01/28/22 12:38		
Copper, E	Dissolved	7.3	0.0038	0.010	ug/l	1	01/28/22
Sa	ample Results						
Sample:	C-12-W4				Sampled: 12/13,	/21 10:05 b	y Marisa Swidersk
	1L14074-12 (Sea Water)						
Analyte		Result	MDL	MRL	Units	Dil	Analyzed

Metals - Low Level by 1600 Series Methods	
Method: EPA 1640	Instr: ICPMS07

Batch ID: W2A1882 Prepared: 01/28/22 12:38 Preparation: EPA 1640#Preconcentration Analyst: aln Copper, Dissolved 0.0038 0.010 01/28/22 ug/l

Sample Results C-13-W4 Sample: Sampled: 12/13/21 9:20 by Marisa Swiderski/Kate Buckley

Result MDL MRL Units Analyzed Qualifier Analyte Metals - Low Level by 1600 Series Methods Instr: ICPMS07 Method: EPA 1640

Batch ID: W2A1882 Prepared: 01/28/22 12:38 Analyst: aln Preparation: EPA 1640#Preconcentration Copper, Dissolved 0.0038 0.010 01/28/22

(Continued) Sample Results

C-REF-1-W4 Sampled: 12/13/21 9:20 by Marisa Swiderski/Kate Buckley Sample:

MDL MRI Units Analyte Result Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS07 Batch ID: W2A1882 Preparation: EPA 1640#Preconcentration Prepared: 01/28/22 12:38 Analyst: aln

0.0038 01/28/22 Copper, Dissolved 0.76 ug/l

Sample: C-REF-2-W4 Sampled: 12/13/21 9:05 by Marisa Swiderski/Kate Buckley

1L14074-15 (Sea Water)

MDL

MRL

Instr: ICPMS07

Metals - Low Level by 1600 Series Methods

Batch ID: W2A1882 Prepared: 01/28/22 12:38 Analyst: aln Preparation: EPA 1640#Preconcentration 0.010 01/28/22 Copper, Dissolved 0.81 0.0038 ug/l

1L14074



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Batch ID: W2A1882

Copper, Dissolved

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/04/2022 10:44

Project Manager: Marisa Swiderski

/	1	/		
			7	,

Analyst: aln

01/28/22

Sample F	Results							(Continued)
Sample: FB-W4				S	ampled: 12/13/21	8:40 by	/ Marisa Swider	ski/Kate Buckley
1L14074-1	6 (Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600	Series Methods							
Method: EPA 1640				Instr: ICPMS07				
Batch ID: W2A1882		Preparation: EPA 1640#Preconcentration		Prepared: 01/2	28/22 12:38			Analyst: aln
Copper, Dissolved		ND	0.0038	0.010	ug/l	1	01/28/22	
Sample R	Results							(Continued)
Sample: N8-ER-W4				S	ampled: 12/13/21	8:55 by	/ Marisa Swide	ski/Kate Buckley
1L14074-1	7 (Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600	Series Methods							
Method: EPA 1640				Instr: ICPMS07				
Batch ID: W2A1882		Preparation: EPA 1640#Preconcentration		Prepared: 01/2	28/22 12:38			Analyst: aln
Copper, Dissolved		0.24	0.0038	0.010	ug/l	1	01/28/22	
Sample F	Results							(Continued)
Sample: E-14-W4				Sa	ampled: 12/13/21	11:55 by	/ Marisa Swider	ski/Kate Bucklev
•	8 (Sea Water)				, , ,		,	. , ,
Analyte	o (Sea Water)	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600	Series Methods	1.0541.1	2_		- Cinio		7y_cu	Quantier
Method: EPA 1640				Instr: ICPMS07				
Batch ID: W2A1882		Preparation: EPA 1640#Preconcentration		Prepared: 01/2				Analyst: aln
Copper, Dissolved		10	0.0038	0.010	ug/l	1	01/28/22	,-
Sample R	Results							(Continued)
Sample: E-15-W4				Sa	ampled: 12/13/21	11:10 by	/ Marisa Swider	ski/Kate Buckley
·	9 (Sea Water)					,		,
Analyte	o (Sea Water)	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600	Series Methods						,	4
Method: EPA 1640				Instr: ICPMS07				
Batch ID: W2A1882		Preparation: EPA 1640#Preconcentration		Prepared: 01/2	28/22 12·38			Analyst: aln
Copper, Dissolved		10	0.0038	0.010	ug/l	1	01/28/22	7
Sample F	Results							(Continued)
Sample: E-16-W4				Sa	ampled: 12/13/21	10:30 by	/ Marisa Swider	ski/Kate Buckley
·	0 (Sea Water)					Í		,
Analyte	- (caa.c-/)	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600	Series Methods				-			
Method: EPA 1640				Instr: ICPMS07				

9.9

0.0038

Prepared: 01/28/22 12:38

ug/l

0.010

Preparation: EPA 1640#Preconcentration



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

02/04/2022 10:44

(Continued)

Reported:

Project Manager: Marisa Swiderski

Can Diego, C	A 32123								
Sample Results									
Sample:	E-17-W4								
	1L14074-21 (Sea Water)								
Analyte									
Metals - Low Le	evel by 1600 Series Method								

Sampled: 12/13/21 11:40 by Marisa Swiderski/Kate Buckley

MRI Dil Qualifier MDL Units Analyzed Result by 1600 Series Methods Method: EPA 1640 Instr: ICPMS07 Batch ID: W2A1882 Preparation: EPA 1640#Preconcentration Prepared: 01/28/22 12:38 Analyst: aln Copper, Dissolved 0.0038 0.010 01/29/22 ug/l

Analyte

Sample:

Sample Results

(Continued)

E-18-W4 Sample: Sampled: 12/13/21 9:50 by Marisa Swiderski/Kate Buckley 1L14074-22 (Sea Water)

Result

Metals - Low Level by 1600 Series Methods

MRL Units Analyzed Qualifier

Method: EPA 1640 Batch ID: W2A1882 Preparation: EPA 1640#Preconcentration

Prepared: 01/28/22 12:38

Instr: ICPMS07

Analyst: aln

Copper, Dissolved

0.010 01/29/22 0.0038 ug/l

MDL

(Continued)

Sample Results E-19-W4

Sampled: 12/13/21 10:25 by Marisa Swiderski/Kate Buckley

1L14074-23 (Sea Water)

MDL MRL Units Analyzed Qualifier Analyte Result Metals - Low Level by 1600 Series Methods

Method: EPA 1640

Instr: ICPMS07 Batch ID: W2A1882 Prepared: 01/28/22 12:38 Preparation: EPA 1640#Preconcentration

Analyst: aln 0.0038 0.010 01/29/22

MRI

MRI

Units

Copper, Dissolved

Sample Results

Sampled: 12/13/21 9:40 by Marisa Swiderski/Kate Buckley

Analyzed

Analyzed

(Continued)

Qualifier

E-20--W4 Sample:

1L14074-24 (Sea Water)

MDL

Analyte Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS07

Batch ID: W2A1882 Preparation: EPA 1640#Preconcentration Prepared: 01/28/22 12:38 Analyst: aln 0.0038 01/29/22 Copper, Dissolved ug/l

Result

Sample Results

(Continued)

Qualifier

Sample: E-20--Dup-W4

Sampled: 12/13/21 9:45 by Marisa Swiderski/Kate Buckley 1L14074-25 (Sea Water)

Metals - Low Level by 1600 Series Methods Method: EPA 1640 Instr: ICPMS07

Batch ID: W2A1882

Prepared: 01/28/22 12:38 Preparation: EPA 1640#Preconcentration Analyst: aln 0.010 Copper, Dissolved 0.0038 01/29/22 ug/l

1L14074 Page 7 of 9



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

02/04/2022 10:44

Quality Control Results

/A/AM											
Metals - Low Level by 1600 Series Methods											
					Spike	Source		%REC		RPD	
Analyte	Result	MDL	MRL	Units	Level	Result	%REC	Limits	RPD	Limit	Qualifie
Batch: W2A1833 - EPA 1640											
Blank (W2A1833-BLK1)				Pre	pared: 01/27/2	2 Analyzed:	02/03/22	2			
Copper, Dissolved	ND	0.0038	0.010	ug/l							
LCS (W2A1833-BS1)				Pre	pared: 01/27/2	2 Analyzed:	02/03/22	2			
Copper, Dissolved	9.54	0.0038	0.010	ug/l	10.0		95	70-130			
Matrix Spike (W2A1833-MS1)	Source: 1	L14074-10		Pre	pared: 01/27/2	2 Analyzed:	02/03/22	2			
Copper, Dissolved	19.3	0.0038	0.010	ug/l	10.0	11.3	80	70-130			
Matrix Spike Dup (W2A1833-MSD1)	Source: 1	L14074-10		Pre	pared: 01/27/2	2 Analyzed:	02/03/22	2			
Copper, Dissolved	19.9	0.0038	0.010	ug/l	10.0	11.3	86	70-130	3	30	
Batch: W2A1882 - EPA 1640											
Blank (W2A1882-BLK1)					Prepared & A	nalyzed: 01/	28/22				
Copper, Dissolved	· · ND	0.0038	0.010	ug/l		-					
LCS (W2A1882-BS1)					Prepared & A	nalyzed: 01/	28/22				
Copper, Dissolved	9.52	0.0038	0.010	ug/l	10.0		95	70-130			
Matrix Spike (W2A1882-MS1)	Source: 1	L14074-20			Prepared & A	nalyzed: 01/	28/22				
Copper, Dissolved	19.7	0.0038	0.010	ug/l	10.0	9.91	97	70-130			
Matrix Spike (W2A1882-MS2)	Source: 1	L14074-25		Pre	pared: 01/28/2	2 Analyzed:	01/29/22	2			
Copper, Dissolved	15.4	0.0038	0.010	ug/l	10.0	6.44	90	70-130			
Matrix Spike Dup (W2A1882-MSD1)	Source: 1	L14074-20			Prepared & A	nalyzed: 01/	28/22				
Copper, Dissolved	20.0	0.0038	0.010	ug/l	10.0	9.91	101	70-130	2	30	
Matrix Spike Dup (W2A1882-MSD2)	Source: 1	L14074-25		Pre	pared: 01/28/2	2 Analyzed:	01/29/22	2			
Copper, Dissolved	15.9	0.0038	0.010	ug/l	10.0	6.44	95	70-130	3	30	

Project Manager: Marisa Swiderski



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/04/2022 10:44

Project Manager: Marisa Swiderski



Item

Notes and Definitions

%REC	Percent Recovery
Dil	Dilution
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

1L14074 Page 9 of 9

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14859 East Clark Avenue: Industry: CA 91745

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J L14074

Tel 626-336-2139	◆ Fax 626	-336-2634	♦ www.weck	labs.com										Page	<u>1_</u>	Of	3
CLIENT NAME:			PROJE	CT:			ANALYSES REQUESTED							SPEC	IAL HA	NDLING	3
Wood Environment & ADDRESS: 9177 Sky Park Ct. San Diego, CA 9212 PROJECT MANAGER		e Solutions,	PHONE FAX: EMAIL: SAMPL	858-300-4301 marisa.swidersh barry.snyder@v	Diego) .di@woodplc.co woodplc.com		Copper ^{1,2} 1640 MDL 0.0036 ;g/L, RL= 0.01 µg/L								24 Hot 48-72 4 - 5 D Rush E 10 Bu QA/QC	Day Rush 1 Ir Rush 100 Hour Rush ay Rush 30 Extractions siness Days Data Pack	% 75% % 50% s age
Marisa Swiderski				a Swiderski (MS) / Ł	vale buckley	` 	7 4 4 2 4 4							Method o			ids/holidays
ID# (For lab Use Only)	DATE SAMPLED	TIME SAMPLED	SMPL SAMP	LE IDENTIFICATION/SI	TE LOCATION	# OF CONT.	Dissolve Method EF							COMMEN		<u>. </u>	<u> </u>
	12/13/21	12:10	seawater C-1-W	/4		1	Х									•	
	12/13/21	12:05	seawater C-2-W	4		1	X		1		·						
	12/13/21	11:25	seawater C-3-W	' 4		1	Х										
	12/13/21	10:45	seawater C-4-W	4		1	Х										
	12/13/21	11:50	seawater C-5-W	14		1	Х										
	12/13/21	10:05	seawater C-6-W	/4		1	Х										
	12/13/21	11:30	seawater C-7-W	/4		1	Х										
	12/13/21	11:15	seawater C-8-W	4		1	X										
·	12/13/21	11:00	seawater C-9-W			1	Х										
	12/13/21	10:30	seawater C-10-\			1	X										
	12/13/21	10:50	seawater C-11-\			1	X										
			DATE / TIM 12/14/20	51 1020 E	RECEIVED BY ashley Pinuel as						Actual Temperature: Actual Temperature: Actual Temperature:			AQ=Aqu	n Aqueous		
				2021	THE .			12/14/21 1298			?	Receive Preserve Evidence Containe	ed e Seals F er Intact	Present		RW = Ri GW = G	rinking Water /aste Water ain Water round Water
RELINQUISHED BY DATE / TIME			E	RECEIVED	BY						Preserve	ed at Lab		Y / ((SW = So OL = Oil	olid Waste	

- 1) LAB ACTION: PRESERVE Cu samples IMMEDIATELY. HDPE metals bottles have NO acid (HNO3) in bottle.
- 2) Dissolved metals were field filtered using 0.45 um bottletop filt. system.
- 3) Preserve any extra volume of each sample for dissolved metals to archive.
- 4) SPIKE level at the following amounts: Copper = 10 ug/L
- 5) WECK will contact Wood PM within 24 hours if any sample anomalies are found.

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Tel 626-336-2139	◆ Fax 626-	-336-2634	www.weckla	bs.com												<u>Page</u>	2	Ot	3
CLIENT NAME:			PROJEC	T:					ANA	LYSE	S REQ	JES'	TED			SPECIAL HANDLING			
Wood Environment &	Infrastructure	e Solutions, I	nc.	SIYB IWHC Paus (Port of Sar	n Diego)		0.01 µg/L		T							F	24 Hou	Day Rush 18 r Rush 100°	%
ADDRESS:			PHONE:	_			- 0.01										48-72 H	lour Rush 7	5%
9177 Sky Park Ct.			FAX:	858-300-430)1		귤									Γ	4 - 5 Da	ay Rush 30°	6
San Diego, CA 92123			EMAIL:				80 B										Rush E	xtractions 5	0%
				barry.snyder@woodplc.com			0,003							}		<u> </u>		siness Days	
PROJECT MANAGER	SAMPLE				Copper ¹ 1640 MDL											Data Pack			
Marisa Swiderski	Marisa	Swiderski (MS) /	Kate Buckley (Co.												ds/holidays		
ID#	DATE	TIME	SMPL SAMPLE	EIDENTIFICATION/S	SITE LOCATION	# OF	olvec d EP/									Method of	Shipment	:	
(For lab Use Only)	SAMPLED	SAMPLED	TYPE	. IDEATI TOATON	J., 2 200A 10N	CONT.	Dissolved Method EPA									COMMENT	s		
1,3	12/13/21	10:05	seawater C-12-W	4		1	Х												
4.5	12/13/21	9:20	seawater C-13-W	4		1	Х												
	12/13/21	9:20	seawater C-REF-	1-W4		1	Х					ļ	1						
	12/13/21	9:05	seawater C-REF-	2-W4		1	Х												
	12/13/21	8:40	DI FB-W4			1	Х						igwdown	-					
a	12/13/21	8:55	DI N8-ER-			1	Х		_				\vdash						
	12/13/21	11:55	seawater E-14-W				X		\dashv				\vdash						
	12/13/21	11:10	seawater E-15-W			1	X						\vdash			· . • · ·			
	12/13/21	10:30	seawater E-16-W			1	X		\dashv	_			\vdash					.	
	12/13/21	11:40	seawater E-17-W			1	X			_			-						
にレ RELINQUISHED BY		9:50	seawater E-18-W-DATE / TIME		RECEIVED	BY	Х						S	AMPL	E CC	NDITION:		SAMPLE AQ=Aqu	TYPE CODE:
Marine Sw			12/14/202		Ashley		100	195								e: 5° 2° 3° °	473	NA≕ Nor SL = Slu	Aqueous dge
RELINQUISHED BY	DATE / TIME		RÉGEIVED BY			12/1	4/2	1	1258		Prese	ved On rved nce Se		esent	8/8	DW = Dr WW = W RW = Ra	inking Water aste Water in Water		
ASIKG DINU	195		12/14/202	. \	11 3/21 1 / W - 1						iner Int			· /60	GW = G	ound Water			
RELINQUISHED BY DATE					RECEIVED BY			Υ					Prese	rved at	t Lab		Y / [Ŋ) SO = So	
													T.	-07	254	f	-	OL = Oil	lid Waste ner Matrix

- 1) LAB ACTION: PRESERVE Cu samples IMMEDIATELY. HDPE metals bottles have NO acid (HNO3) in bottle.
- 2) Dissolved metals were field filtered using 0.45 um bottletop filt. system.
- 3) Preserve any extra volume of each sample for dissolved metals to archive.
- 4) SPIKE level at the following amounts: Copper = 10 ug/L
- 5) WECK will contact Wood PM within 24 hours if any sample anomalies are found.

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Tel 626-336-2139	◆ Fax 626-	-336-2634	♦ wwv	v.wecklabs.com											<u>Pag</u>		3	Of	3
CLIENT NAME:				PROJECT:				ANALYSES REQUESTED SPECIAL HANDLING											
Wood Environment & Infrastructure Solutions, Inc. ADDRESS: 9177 Sky Park Ct. San Diego, CA 92123 PROJECT MANAGER				SIYB IWHC Pause Pilot Study (Port of San Diego) PHONE: 858-300-4324 FAX: 858-300-4301 EMAIL: marisa.swiderski@woodplc.com barry.snyder@woodplc.com SAMPLER												24 48- 4 - Ru 10	Hour Ri -72 Hou 5 Day F ish Extra Busine	r Rush 150 ush 100% ir Rush 75 Rush 30% actions 50 ess Days ata Packag	% %
Marisa Swiderski				Marisa Swidersk	d (MS) /	Kate Buckley	(KB)	Q 649							· ·		•	weekends	s/holidays
1D#	DATE	TIME	SMPL	SAMPLE IDENTIFI	CATION/S	TE LOCATION	# OF	olved PA EPA							Method	of Shipn	nent:		
(For lab Use Only)	SAMPLED	SAMPLED	TYPE		OATTON O	TE GOOTTION	CONT.	Dissol Method		<u> </u>					COMM	ENTS			
	12/13/21	10:25	seawater	E-19-W4			1	Х											
	12/13/21	9:40		E-20-W4			1	X				ļ <u> </u>			extra v	oi, analy	/ze sa	mple MS	S/MSD
	12/13/21	9:45	seawater	E-20-Dup-W4			1	X		+	+	 							
<u> </u>			-					 	_	+	_	 						······································	
RELINQUISHED E			Ι.	/TIME 4/2021 10	50	RECEIVED ASMEY	BY Pl	ก็บย	45	<u> </u>					E CONDITIO	ć	1 1 2	AQ=Aqueo NA= Non A SL = Sludg	Aqueous je
ASALODINUES 17				E / TIME <i> </i>	ſ	RECEIVED BY			12/14/25 1258				Received On Ice Preserved Evidence Seals Present Container Intact Preserved at Lab			4	2000	WW = Wa: RW = Rair GW = Groi SO = Soil	n Water und Water
													ĩ	-07	54		0	SW = Solid OL = Oil OT = Othe	

- 1) LAB ACTION: PRESERVE Cu samples IMMEDIATELY. HDPE metals bottles have NO acid (HNO3) in bottle.
- 2) Dissolved metals were field filtered using 0.45 um bottletop filt. system.
- 3) Preserve any extra volume of each sample for dissolved metals to archive.
- 4) SPIKE level at the following amounts: Copper = 10 ug/L
- 5) WECK will contact Wood PM within 24 hours if any sample anomalies are found.

WEEK 4 STORM ANALYTICAL RESULTS



FINAL REPORT

Work Orders: 1L15061 Report Date: 2/28/2022

Received Date: 12/15/2021

Turnaround Time: Normal

Phones: (858) 300-4324

Fax: (858) 278-5300

P.O. #:

Billing Code:

Project: SIYB IWHC Pause Pilot Study (Port of San Diego)

Attn: Marisa Swiderski

Client: Wood - San Diego

9177 Sky Park Court, Ste A San Diego, CA 92123

ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • LACSD #10143 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAOMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Marisa Swiderski,

Enclosed are the results of analyses for samples received 12/15/21 with the Chain-of-Custody document. The samples were received in good condition, at 4.3 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Chris Samatmanakit Project Manager

1: State









1L15061 Page 1 of 12



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot Study (Port of San

Diego)

02/28/2022 13:14

Reported:

Project Manager: Marisa Swiderski



Case Narrative

Final Report: This is a complete final report. The information in this report applyies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.



Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
C-1-W4-S	Marisa Swiderski/Kate Buckley	1L15061-01	Sea Water	12/15/21 10:45	
C-2-W4-S	Marisa Swiderski/Kate Buckley	1L15061-02	Sea Water	12/15/21 11:05	
C-3-W4-S	Marisa Swiderski/Kate Buckley	1L15061-03	Sea Water	12/15/21 10:30	
C-4-W4-S	Marisa Swiderski/Kate Buckley	1L15061-04	Sea Water	12/15/21 09:55	
C-5-W4-S	Marisa Swiderski/Kate Buckley	1L15061-05	Sea Water	12/15/21 10:30	
C-6-W4-S	Marisa Swiderski/Kate Buckley	1L15061-06	Sea Water	12/15/21 09:05	
C-6-Dup-W4-S	Marisa Swiderski/Kate Buckley	1L15061-07	Sea Water	12/15/21 09:15	
C-7-W4-S	Marisa Swiderski/Kate Buckley	1L15061-08	Sea Water	12/15/21 10:15	
C-8-W4-S	Marisa Swiderski/Kate Buckley	1L15061-09	Sea Water	12/15/21 10:00	
C-9-W4-S	Marisa Swiderski/Kate Buckley	1L15061-10	Sea Water	12/15/21 09:45	
C-10-W4-S	Marisa Swiderski/Kate Buckley	1L15061-11	Sea Water	12/15/21 09:10	
C-11-W4-S	Marisa Swiderski/Kate Buckley	1L15061-12	Sea Water	12/15/21 09:25	
C-12-W4-S	Marisa Swiderski/Kate Buckley	1L15061-13	Sea Water	12/15/21 08:55	
C-13-W4-S	Marisa Swiderski/Kate Buckley	1L15061-14	Sea Water	12/15/21 08:30	
C-REF-1-W4-S	Marisa Swiderski/Kate Buckley	1L15061-15	Sea Water	12/15/21 08:40	
C-REF-2-W4-S	Marisa Swiderski/Kate Buckley	1L15061-16	Sea Water	12/15/21 08:30	
FB-W4-S	Marisa Swiderski/Kate Buckley	1L15061-17	Water	12/15/21 07:50	
N3-ER-W4-S	Marisa Swiderski/Kate Buckley	1L15061-18	Water	12/15/21 08:05	
OF-1-W4-S	Marisa Swiderski/Kate Buckley	1L15061-19	Water	12/14/21 13:20	
OF-2-W4-S	Marisa Swiderski/Kate Buckley	1L15061-20	Water	12/14/21 13:55	

1L15061 Page 2 of 12



Sampled: 12/15/21 10:30 by Marisa Swiderski/Kate Buckley

FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 **Project Number:** SIYB IWHC Pause Pilot Study (Port of San

Diego)

Project Manager: Marisa Swiderski

Reported:

02/28/2022 13:14



Sample:	C-1-W4-S				Sa	ampled: 12/15	/21 10:45 b	y Marisa Swider	ski/Kate Buckley
	1L15061-01 (Sea Water)								
Analyte			Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low L	evel by 1600 Series Methods								
Method: EPA	x 1640				Instr: ICPMS07	,			
Batch ID: \	W2B0287	Preparation: EPA 1640#Preconce	entration		Prepared: 02/0	03/22 16:47			Analyst: tbd
Copper, D	issolved		- 12	0.0038	0.010	ug/l	1	02/04/22	
Method: EPA	1640				Instr: ICPMS03	}			
Batch ID: \	W2B0979	Preparation: _NONE (METALS)			Prepared: 02/	14/22 13:18			Analyst: ALN
Copper, To	otal		- 14	0.0038	0.010	ug/l	1	02/14/22	



Sample Results

Sample:	C-2-W4-S	Sampled: 12/15/21	11:05 by Marisa Swiderski/Kate Buckley

1L15061-02 (Sea Water)								
Analyte	Re	esult	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods								
Method: EPA 1640				Instr: ICPMS07	,			
Batch ID: W2B0287	Preparation: EPA 1640#Preconcent	ration		Prepared: 02/0	03/22 16:47			Analyst: tbd
Copper, Dissolved		12	0.0038	0.010	ug/l	1	02/04/22	
Method: EPA 1640				Instr: ICPMS03	}			
Batch ID: W2B0979	Preparation: _NONE (METALS)			Prepared: 02/	14/22 13:18			Analyst: ALN
Copper, Total		15	0.0038	0.010	ug/l	1	02/14/22	



Sample Results

C-3-W4-S

1L15061-03 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS07				
Batch ID: W2B0287	Preparation: EPA 1640#Preconcentration		Prepared: 02/0	03/22 16:47			Analyst: tbd
Copper, Dissolved		0.0038	0.010	ug/l	1	02/04/22	
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2B0979	Preparation: _NONE (METALS)	Preparation: _NONE (METALS) Prepared: 02/14/22 13:18					Analyst: ALN
Copper, Total		0.0038	0.010	ug/l	1	02/14/22	

1L15061 Page 3 of 12



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Copper, Total

Project Number: SIYB IWHC Pause Pilot Study (Port of San

Diego)

Project Manager: Marisa Swiderski

Reported:

02/28/2022 13:14

Sample Results							(Continued)
Sample: C-4-W4-S			Sa	mpled: 12/15	5/21 9:55 b	y Marisa Swide	ski/Kate Buckley
1L15061-04 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS07				
Batch ID: W2B0287	Preparation: EPA 1640#Preconcentration		Prepared: 02/03	3/22 16:47			Analyst: tbd
Copper, Dissolved	13	0.0038	0.010	ug/l	1	02/04/22	
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2B0979	Preparation: _NONE (METALS)		Prepared: 02/14	4/22 13:18			Analyst: ALN
Copper, Total		0.0038	0.010	ug/l	1	02/14/22	
Sample Results							(Continued)
Sample: C-5-W4-S			Sai	mpled: 12/15	/21 10:30 b	y Marisa Swide	ski/Kate Buckley
1L15061-05 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods						. ,	•
Method: EPA 1640			Instr: ICPMS07				
Batch ID: W2B0287	Preparation: EPA 1640#Preconcentration		Prepared: 02/03	3/22 16:47			Analyst: tbd
Copper, Dissolved		0.0038	0.010	ug/l	1	02/04/22	
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2B0979	Preparation: _NONE (METALS)		Prepared: 02/14	1/22 13:18			Analyst: ALN
Copper, Total	15	0.0038	0.010	ug/l	1	02/14/22	Analyst. ALIV
Sample Results							(Continued)
Sample: C-6-W4-S			Sa	mpled: 12/15	5/21 9:05 b	y Marisa Swide	rski/Kate Buckley
1L15061-06 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS07				
Batch ID: W2B0287	Preparation: EPA 1640#Preconcentration		Prepared: 02/03	3/22 16:47			Analyst: tbd
Copper, Dissolved	12	0.0038	0.010	ug/l	1	02/04/22	,
Method: EPA 1640			Instr: ICPMS03				

0.0038

0.010

02/14/22



02/14/22

FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Copper, Total

Project Number: SIYB IWHC Pause Pilot Study (Port of San

Diego)

Project Manager: Marisa Swiderski

Reported:

02/28/2022 13:14

Sa	ample Results							(Continued)
Sample:	C-6-Dup-W4-S			Sa	mpled: 12/1	5/21 9:15 b	y Marisa Swide	rski/Kate Buckley
	1L15061-07 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
Metals - Low I	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS07				
Batch ID: \	W2B0287	Preparation: EPA 1640#Preconcentration		Prepared: 02/03	3/22 16:47			Analyst: tbo
Copper, D	Dissolved	12	0.0038	0.010	ug/l	1	02/04/22	
Method: EPA	A 1640			Instr: ICPMS03				
Batch ID: \	W2B0979	Preparation: _NONE (METALS)		Prepared: 02/14	4/22 13:18			Analyst: ALN
Copper, T	otal	13	0.0038	0.010	ug/l	1	02/14/22	
Sa	ample Results							(Continued
Sample:	C-7-W4-S			Sai	mpled: 12/15	/21 10:15 b	y Marisa Swide	rski/Kate Buckle
	1L15061-08 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
Metals - Low I	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS07				
Batch ID: \	W2B0287	Preparation: EPA 1640#Preconcentration		Prepared: 02/03	3/22 16:47			Analyst: tbd
Copper, D	Dissolved	9.6	0.0038	0.010	ug/l	1	02/04/22	
Method: EPA	A 1640			Instr: ICPMS03				
Batch ID: \	W2B0979	Preparation: _NONE (METALS)		Prepared: 02/14	4/22 13:18			Analyst: ALN
Copper, To	otal	11	0.0038	0.010	ug/l	1	02/14/22	-
Sa	ample Results							(Continued
Sample:	C-8-W4-S			Sai	mpled: 12/15	/21 10:00 b	y Marisa Swide	rski/Kate Buckley
	1L15061-09 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
Metals - Low I	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS07				
Batch ID: \	W2B0287	Preparation: EPA 1640#Preconcentration		Prepared: 02/03	3/22 16:47			Analyst: tbd
Copper, D	Dissolved	11	0.0038	0.010	ug/l	1	02/04/22	
Method: EPA	A 1640			Instr: ICPMS03				
Batch ID: \	W2B0979	Preparation: _NONE (METALS)		Prepared: 02/14	4/22 13:18			Analyst: ALN

0.0038

0.010

ug/l



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Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot Study (Port of San

Diego)

Project Manager: Marisa Swiderski

Reported:

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Sa	ample Results							(Continued
Sample:	C-9-W4-S			Sa	ampled: 12/15,	/21 9:45 b	y Marisa Swide	rski/Kate Buckle
	1L15061-10 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
letals - Low I	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS07				
Batch ID: \	W2B0287	Preparation: EPA 1640#Preconcentration		Prepared: 02/0	3/22 16:47			Analyst: tb
Copper, D	issolved	11	0.0038	0.010	ug/l	1	02/04/22	
Method: EPA	A 1640			Instr: ICPMS03				
Batch ID: \	W2B0979	Preparation: _NONE (METALS)		Prepared: 02/1	4/22 13:18			Analyst: ALI
Copper, To	otal	13	0.0038	0.010	ug/l	1	02/14/22	
Sa	ample Results							(Continued
Sample:	C-10-W4-S			Sa	ampled: 12/15,	/21 9:10 b	y Marisa Swide	rski/Kate Buckle
	1L15061-11 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
letals - Low I	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS07				
Batch ID: \	W2B0287	Preparation: EPA 1640#Preconcentration		Prepared: 02/0			Analyst: tb	
Copper, D	issolved	11	0.0038	0.010	ug/l	1	02/04/22	
Method: EPA	A 1640			Instr: ICPMS03				
Batch ID: \	W2B0979	Preparation: _NONE (METALS)		Prepared: 02/1	4/22 13:18			Analyst: AL
Copper, To	otal	13	0.0038	0.010	ug/l	1	02/15/22	
Sa	ample Results							(Continued
Sample:	C-11-W4-S			Sa	ampled: 12/15,	/21 9:25 b	y Marisa Swide	rski/Kate Buckle
	1L15061-12 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualific
letals - Low I	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS07				
Batch ID: \	W2B0287	Preparation: EPA 1640#Preconcentration		Prepared: 02/0	3/22 16:47			Analyst: tb
Copper, D	issolved	11	0.0038	0.010	ug/l	1	02/04/22	
Method: EPA	A 1640			Instr: ICPMS03				
Batch ID: \	W2B0979	Preparation: _NONE (METALS)		Prepared: 02/1	4/22 13:18			Analyst: ALI
Copper, To	otal	12	0.0038	0.010	ug/l	1	02/15/22	



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Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot Study (Port of San

Diego)

Project Manager: Marisa Swiderski

Reported:

02/28/2022 13:14

Sa	mple Results							(Continued
Sample:	C-12-W4-S			S	ampled: 12/15/21	8:55 by	Marisa Swide	rski/Kate Buckle
	1L15061-13 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
etals - Low Lo	evel by 1600 Series Methods							
Method: EPA	1640			Instr: ICPMS07	•			
Batch ID: W	V2B0287	Preparation: EPA 1640#Preconcentration		Prepared: 02/0	03/22 16:47			Analyst: th
Copper, Di	ssolved	11	0.0038	0.010	ug/l	1	02/04/22	
Method: EPA	1640			Instr: ICPMS03				
Batch ID: W	V2B0979	Preparation: _NONE (METALS)		Prepared: 02/1	14/22 13:18			Analyst: AL
Copper, To	otal	12	0.0038	0.010	ug/l	1	02/15/22	
Sa	mple Results							(Continue
Sample:	C-13-W4-S			Si	ampled: 12/15/21	8:30 by	Marisa Swide	rski/Kate Buckl
	1L15061-14 (Sea Water)							
Analyte	,	Result	MDL	MRL	Units	Dil	Analyzed	Qualif
-	evel by 1600 Series Methods							
Method: EPA	1640			Instr: ICPMS07	,			
Batch ID: W	V2B0287	Preparation: EPA 1640#Preconcentration		Prepared: 02/0	03/22 16:47			Analyst: th
Copper, Dis	ssolved	7.0	0.0038	0.010	ug/l	1	02/04/22	
Method: EPA	1640			Instr: ICPMS03				
Batch ID: W		Preparation: _NONE (METALS)		Prepared: 02/1				Analyst: AL
Copper, To	otal	7.9	0.0038	0.010	ug/l	1	02/15/22	•
Sa	mple Results							(Continue
Sample:	C-REF-1-W4-S			Si	ampled: 12/15/21	8:40 by	Marisa Swide	rski/Kate Buckl
	1L15061-15 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualif
letals - Low Lo	evel by 1600 Series Methods							
Method: EPA	1640			Instr: ICPMS07	•			
Batch ID: W	V2B0287	Preparation: EPA 1640#Preconcentration		Prepared: 02/0	03/22 16:47			Analyst: th
Copper, Di	ssolved	0.71	0.0038	0.010	ug/l	1	02/04/22	
Method: EPA	1640			Instr: ICPMS03	1			
Batch ID: W	V2B0979	Preparation: _NONE (METALS)		Prepared: 02/1	14/22 13:18			Analyst: AL
Copper, To	otal	0.91	0.0038	0.010	ug/l	1	02/15/22	•



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Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Copper, Total

Project Number: SIYB IWHC Pause Pilot Study (Port of San

Diego)

Project Manager: Marisa Swiderski

Reported:

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Sa	imple Results							(Continued)
Sample:	C-REF-2-W4-S			Sa	mpled: 12/15/2	1 8:30 k	oy Marisa Swider	ski/Kate Buckley
	1L15061-16 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low L	evel by 1600 Series Methods							
Method: EPA	1640			Instr: ICPMS07				
Batch ID: V	V2B0287	Preparation: EPA 1640#Preconcentration	n	Prepared: 02/03	3/22 16:47			Analyst: tbd
Copper, Di	issolved	0.44	0.0038	0.010	ug/l	1	02/04/22	
Method: EPA	1640			Instr: ICPMS03				
Batch ID: V	W2B0979	Preparation: _NONE (METALS)		Prepared: 02/14	1/22 13:18			Analyst: ALN
Copper, To	otal	0.67	0.0038	0.010	ug/l	1	02/15/22	
Sa	imple Results							(Continued)
Sample:	FB-W4-S			Sa	mpled: 12/15/2	1 7:50 k	oy Marisa Swider	ski/Kate Buckley
	1L15061-17 (Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low L	evel by 1600 Series Methods							
Method: EPA	1640			Instr: ICPMS07				
Batch ID: V	V2B0287	Preparation: EPA 1640#Preconcentration	n	Prepared: 02/03	3/22 16:47			Analyst: tbd
Copper, Di	issolved	0.035	0.0038	0.010	ug/l	1	02/04/22	
Method: EPA	1640			Instr: ICPMS03				
Batch ID: V	V2B0979	Preparation: _NONE (METALS)		Prepared: 02/14	4/22 13:18			Analyst: ALN
Copper, To	tal	ND	0.0038	0.010	ug/l	1	02/15/22	
Sa	imple Results							(Continued)
Sample:	N3-ER-W4-S			Sa	mpled: 12/15/2	1 8:05 k	oy Marisa Swider	ski/Kate Buckley
	1L15061-18 (Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low L	evel by 1600 Series Methods							
Method: EPA	1640			Instr: ICPMS07				
Batch ID: V	V2B0287	Preparation: EPA 1640#Preconcentration	n	Prepared: 02/03	3/22 16:47			Analyst: tbd
Copper, Di	issolved	0.077	0.0038	0.010	ug/l	1	02/04/22	
Method: EPA	1640			Instr: ICPMS03				
Batch ID: V	W2B0979	Preparation: _NONE (METALS)		Prepared: 02/14	1/22 13:18			Analyst: ALN

0.0038

0.013

0.010

ug/l

02/15/22



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 **Project Number:** SIYB IWHC Pause Pilot Study (Port of San

Diego)

02/28/2022 13:14

Reported:

Project Manager: Marisa Swiderski

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Sample Results

(Continued)

Sample:	OF-1-W4-S			Sa	ampled: 12/14	/21 13:20 b	y Marisa Swidei	rski/Kate Buckle
	1L15061-19 (Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
onventional	Chemistry/Physical Parameter	s by APHA/EPA/ASTM Methods						
Method: SN	M 2540D			Instr: OVEN15				
Batch ID:	W1L1379	Preparation: _NONE (WETCHEM)		Prepared: 12/2	20/21 15:00			Analyst: tt
Total Sus	spended Solids	170		5	mg/l	1	12/20/21	
/letals by EP/	A 200 Series Methods							
Method: EP.	A 200.8			Instr: ICPMS06	5			
Batch ID:	W2B0790	Preparation: _NONE (METALS)		Prepared: 02/	18/22 14:25			Analyst: MPN
Copper, D	Dissolved		0.23	0.50	ug/l	1	02/22/22	
Copper, T	Total	63	0.23	0.50	ug/l	1	02/22/22	
Sa	ample Results							(Continued
Sample:	OF-2-W4-S			Sa	ampled: 12/14	/21 13:55 b	y Marisa Swider	ski/Kate Buckle
	1L15061-20 (Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
onventional	l Chemistry/Physical Parameter	s by APHA/EPA/ASTM Methods						
Method: SN	M 2540D			Instr: OVEN15				
Batch ID:	W1L1379	Preparation: _NONE (WETCHEM)		Prepared: 12/2	20/21 15:00			Analyst: tt
Total Sus	spended Solids			5	mg/l	1	12/20/21	
letals by EP	A 200 Series Methods							
Method: EP	PA 200.8			Instr: ICPMS06	5			
Batch ID:	W2B0790	Preparation: _NONE (METALS)		Prepared: 02/	18/22 14:25			Analyst: MPN
Copper, D	Dissolved	23	0.23	0.50	ug/l	1	02/22/22	
Copper, 1	Total		0.23	0.50	ug/l	1	02/22/22	



FINAL REPORT

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Project Manager: Marisa Swiderski

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Quality Control Resu	ılts										
Conventional Chemistry/Physical Parameters b	oy APHA/EPA/AST	M Methods	5								
					Spike	Source		%REC		RPD	
Analyte	Result	MDL	MRL	Units	Level	Result	%REC	Limits	RPD	Limit	Qualifier
Batch: W1L1379 - SM 2540D											
Blank (W1L1379-BLK1) Total Suspended Solids	ND		1	mg/l	Prepared & Ar	nalyzed: 12/	20/21				
·				J	D		20/24				
LCS (W1L1379-BS1) Total Suspended Solids	64.9		1	mg/l	Prepared & Ar 64.7	ialyzed: 12/	100	90-110			
Duplicate (W1L1379-DUP1)	Source: 1	L15061-19			Prepared & Ar	aluzadi 12/	20/21				
Total Suspended Solids	168	L13001-19	1	mg/l	riepaieu & Ai	170	20/21		0.9	10	
Duplicate (W1L1379-DUP2)	Source: 1	L16083-16			Prepared & Ar	nalyzed: 12/	20/21				
Total Suspended Solids	74.8	10003-10	1	mg/l	i repared & Ar	56.2	20,21		28	10	R-02
Quality Control Resu	ılts										
Metals - Low Level by 1600 Series Methods											
					Spike	Source		%REC		RPD	
Analyte	Result	MDL	MRL	Units	Level	Result	%REC	Limits	RPD	Limit	Qualifier
Batch: W2B0287 - EPA 1640											
Blank (W2B0287-BLK1) Copper, Dissolved	ND	0.0038	0.010	ug/l	Prepared & Ar	nalyzed: 02/	03/22				
Coppel, Dissolved	·····ND	0.0000	0.010	-							
LCS (W2B0287-BS1) Copper, Dissolved	9.58	0.0038	0.010	Pre ug/l	epared: 02/03/22 10.0	2 Analyzed:	02/04/22 96	2 70-130			
			0.010								
Matrix Spike (W2B0287-MS1) Copper, Dissolved	Source: 1	0.0038	0.010	ug/l	epared: 02/03/22 10.0	2 Analyzed: 12.1	02/04/2 2 98	2 70-130			
Matrix Spike (W2B0287-MS2) Copper, Dissolved	Source: 1	0.0038	0.010	ug/l	epared: 02/03/22 10.0	2 Analyzed: 15.1	109	70-130			
	C	145054.05				2 4 1	02/04/2				
Matrix Spike Dup (W2B0287-MSD1) Copper, Dissolved	21.7	0.0038	0.010	ug/l	epared: 02/03/22 10.0	2 Analyzeo: 12.1	95	70-130	1	30	
Matrix Spiles Dun (M2D0207 MSD2)	Sauraa, 1	L15061-19		Duc	epared: 02/03/2	2. Amalumada	02/04/2	•			
Matrix Spike Dup (W2B0287-MSD2) Copper, Dissolved	26.2	0.0038	0.010	ug/l	10.0	2 Analyzeu: 15.1	111	70-130	0.9	30	
Batch: W2B0979 - EPA 1640											
Blank (W2B0979-BLK1)					Duamanad O. An	alumadı 02/	14/22				
Copper, Total	ND	0.0038	0.010	ug/l	Prepared & Ar	ialyzeu: UZ/	14/22				
LCS (W2B0979-BS1)					Prepared & Ar	alvzed: 02/	14/22				
Copper, Total	11.0	0.0038	0.010	ug/l	10.0	iaiyzeu. 02/	110	73-122			
Matrix Spike (W2B0979-MS1)	Source: 1	L15061-06			Prepared & Ar	nalyzed: 02/	14/22				
Copper, Total			0.010	ug/l	10.0	14.0	104	60-138			
Matrix Spike (W2B0979-MS2)	Source: 1	L15061-11		Pra	epared: 02/14/22	2 Analyzed	02/15/22	2			
Copper, Total		0.0038	0.010	ug/l	10.0	12.9	113	60-138			
Matrix Spike Dup (W2B0979-MSD1)	Source: 1	L15061-06			Prepared & Ar	nalvzed: 02/	14/22				
Copper, Total		0.0038	0.010	ug/l	10.0	14.0	98	60-138	3	30	
Matrix Spike Dup (W2B0979-MSD2)	Source: 1	L15061-11		Pre	epared: 02/14/2	2 Analyzed:	02/15/22	2			
Copper, Total		0.0038	0.010	ug/l	10.0	12.9	122	60-138	4	30	

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Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot Study (Port of San

Project Manager: Marisa Swiderski

Diego)

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Quality Control Result	ts
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(Continued)

Metals by EPA 200 Series Methods											
·					Spike	Source		%REC		RPD	
Analyte	Result	MDL	MRL	Units	Level	Result	%REC	Limits	RPD	Limit	Qualifier
Batch: W2B0790 - EPA 200.8											
Blank (W2B0790-BLK1)	(W2B0790-BLK1) Prepared: 02/18/22 Analyzed: 02/22/22										
Copper, Dissolved	ND	0.23	0.50	ug/l							
Copper, Total	· ND	0.23	0.50	ug/l							
LCS (W2B0790-BS1)				Pre	oared: 02/18/2	2 Analyzed:	02/22/22				
Copper, Dissolved	53.4	0.23	0.50	ug/l	50.0		107	85-115			
Copper, Total	53.4	0.23	0.50	ug/l	50.0		107	85-115			
Matrix Spike (W2B0790-MS1)	Source: 1L	15061-19		Prej	oared: 02/18/2						
Copper, Total	112	0.23	0.50	ug/l	50.0	63.4	97	70-130			
Matrix Spike Dup (W2B0790-MSD1)	Source: 1L	15061-19		Pre	oared: 02/18/2	2 Analyzed:	02/22/22				
Copper, Total	116	0.23	0.50	ug/l	50.0	63.4	106	70-130	4	30	



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot Study (Port of San

Diego)

02/28/2022 13:14

Reported:

Project Manager: Marisa Swiderski



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Notes and Definitions

R-02	The RPD was outside of QC acceptance limits due to possible matrix interference.
%REC	Percent Recovery
Dil	Dilution
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

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CLIENT NAME:		PROJECT:						AN	ALYS	SES I	REQUES	SPECIAL HANDLING								
Wood Environment & Infrastructure Solutions, Inc. ADDRESS: 9177 Sky Park Ct. San Diego, CA 92123 PROJECT MANAGER				SIYB IWHC Pause Pilot Study (Port of San Diego) PHONE: 858-300-4324 FAX: 858-300-4301 EMAIL: marisa.swiderski@woodplc.com barry.snyder@woodplc.com SAMPLER			ner ^{1,2} .0.0038 μg/L, RL= 0.01 μg/L,	.0.0038 µg/L, RL= 0.01 µg/L)	.er ^{1,2} L 0.23 µg/L, RL= 0.50 µg/L)	23 µg/L,	rd Solids DL = 1 mg/L, RL = 5 mg/L)						24 Hour 48-72 Ho 4 - 5 Day Rush Ex 10 Busi	ay Rush 15 Rush 100% Dur Rush 75 y Rush 30% tractions 50 ness Days Data Packa	55% 5 5	
Marisa Swiderski				Marisa Sw	riderski (MS) /	Kate Buckley	(KB)	Copi (MDI	(MDi	Copi (MD	er¹ (ME	ende (M					Charges w	ill apply fo	r weekend	s/holidays
ID# (For lab Use Only)	DATE SAMPLED	TIME SAMPLED	SMPL	SAMPLE ID	ENTIFICATION/S	SITE LOCATION	# OF CONT.	Dissolved EPA 1640	Total Copr EPA 1640	Dissolved EPA 200.8	Total Copy EPA 200.8	Total Suspended S EPA 2540 D (MDL =					Method of COMMENT			
	12/15/21	10:45		C-1-W4-S			2	X	X			,								
	12/15/21	11:05		C-2-W4-S			2	Х	Х											
	12/15/21	10:30	seawater	C-3-W4-S			2	Х	Х											
	12/15/21	9:55	seawater	C-4-W4-S			2	Х	Х							<u> </u>				
	12/15/21	10:30	seawater	C-5-W4-S			2	Х	Х							<u> </u>				
	12/15/21	9:05	seawater	C-6-W4-S			2	Х	Х								extra voi.	analyze s	ample M	S/MSD
	12/15/21	9:15	seawater	C-6-Dup-V	V4-S		2_	Х	Х						<u> </u>					
	12/15/21	10:15	seawater	C-7-W4-S			2	Х	X							<u> </u>				
	12/15/21	10:00		C-8-W4-S			2	X	Х					_		<u> </u>				
	12/15/21	9:45		C-9-W4-S			2	X	X				<u> </u>		_	<u> </u>				
	12/15/21	9:10		C-10-W4-	S		2	Х	Х				<u> </u>						T	
		12/1	5/2021	1340	RECEIVED	1/4	17	12:15-21 / 13:40 SAI					CONDITION: SAMPLE TYPE CODE: AQ=Aqueous NA= Non Aqueous SL = Sludge							
Uagaly 12		12-		l6:30	RECEIVED	CEIVED BY CEIVED BY					Pres Evid Cont	erved ence S tainer I	DW = Drinking Water WW = Waste Water RW = Rain Water RW = Rain Water RW = Ground Water SO = Soil SW = Solld Waste OL = Oil OT = Other Matrix				aste Water n Water ound Water ld Waste			

- 1) LAB ACTION: PRESERVE Cu samples IMMEDIATELY. HDPE metals bottles have NO acid (HNO3) in bottle.
- 2) Dissolved metals were field filtered using 0.45 um bottletop filt. system.
- 3) Preserve any extra volume of each sample for dissolved metals to archive.
- 4) SPIKE level at the following amounts: Copper = 10 ug/L
- 5) WECK will contact Wood PM within 24 hours if any sample anomalies are found.

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STANDARD

Tel 626-336-2139	◆ Fax 626	-336-2634	♦ ww													<u>Page</u>	2	Of	2
CLIËNT NAME:		PROJECT:			ANALYSES REQUEST									SPECI	AL HAI	NDLING	3		
Wood Environment & Infrastructure Solutions, Inc. ADDRESS: 9177 Sky Park Ct. San Diego, CA 92123 PROJECT MANAGER				SIYB IWHC Pause Pilot Study (Port of San Diego) PHONE: 858-300-4324 FAX: 858-300-4301 EMAIL: marisa.swiderski@woodplc.com barry.snyder@woodplc.com SAMPLER				IL 0.0038 µg/L, RL= 0.01 µg/L)	,² 23 µg/L, RL=	Dt. 0.23 µg/L, Rt= 0.50 µg/L)	olids = 1 m						24 Hour 48-72 H 4 - 5 Da Rush Ex 10 Busi	Day Rush 1 r Rush 100 dour Rush 30 ay Rush 30 xtractions 9 iness Days Data Pack	0% 75% 0% 50% s
Marisa Swiderski ID#	DATE	TIME	SMPL	Marisa Swiderski (MS) /	Kate Buckley	` ´	d Cog	pper¹ 0 (ME	d Cop 8 (MI	pper ¹ 0.8 (M	Total Suspended S EPA 2540 D (MDL					Charges wil			ids/holidays
(For lab Use Only)	SAMPLED	SAMPLED	i	SAMPLE IDENTIFICATION/S	SITE LOCATION	# OF CONT.	Dissolved EPA 1640	Total Copper EPA 1640 (M	Dissolved EPA 200.8	al Co	al Sus 4 2540					Method of S	Shipment:		
	12/15/21	0.25	TYPE						Dis EP	Tot Eb	Tat ED	igwdap	4	-		COMMENTS	3		
	12/15/21	9:25 8:55	+	C-11-W4-S		2	X			<u> </u>	ļ!	\vdash	-						
	12/15/21	8:30	seawater	0.10.1411.0		2	X	X		<u> </u>	ļJ	\vdash			_				
	12/15/21	8:40	seawater	r C-REF-1-W4-S		2	X	X				\vdash	+			<u></u>			
	12/15/21	8:30		r C-REF-2-W4-S		2	X	X					+		-	<u> </u>			
	12/15/21	7:50		FB-W4-S		2	X	X			$\vdash \vdash$	\vdash	+	┼{		<u> </u>			
	12/15/21	8:05		N3-ER-W4-S		2	X	—			igwdapprox		+	1 1					
	12/14/21	13:20	storm water	0 = 4 114 6		3	 ^ 		X	Х	Х	 	+	+		extra vol. a	enaluza (ACMED
- <u>-</u>	12/14/21	13:55		OF 0 IVA O		3	$\vdash \vdash$	\vdash	$\hat{\mathbf{x}}$	$\frac{\hat{x}}{x}$	$\frac{\hat{x}}{x}$		╁	+		extra voi. a	naiyze s	ample n	/IS/IVISD
	1		1				├─┤	\vdash						+ +	\neg			- , , , , , , , , , , , , , , , , , , ,	
				† · · · · · · · · · · · · · · · · · · ·				\Box					+-	† †					
000		1	15/2021 1340 Magal			12:15-21 B:			SAMPLE (Actual Temperal					ure: 43 (TYPE CODE: eous Aqueous		
Magaly 12:			12:13	E/TIME RECEIVED BY SCHOOL RECEIVED BY RECEIVED BY				1,					Prese Evide Conta	eived On erved ence Sea ainer Inta erved at	als Pre	esent		WW = W RW = Ra GW = Gr SO = Sol	Inking Water /aste Water ain Water round Water II
SPECIAL REQUIREMEN	NITO (DILLING	INTEGERIATIO		<u>,</u>								SW = Solid OL = Oil OT = Other							

- 1) LAB ACTION: PRESERVE Cu samples IMMEDIATELY. HDPE metals bottles have NO acid (HNO3) in bottle.
- Dissolved metals were field filtered using 0.45 um bottletop filt, system.
- 3) Preserve any extra volume of each sample for dissolved metals to archive.
- 4) SPIKE level at the following amounts: Copper = 10 ug/L
- 5) WECK will contact Wood PM within 24 hours if any sample anomalies are found.

WEEK 5 ANALYTICAL RESULTS



FINAL REPORT

Work Orders: 1L21107 Report Date: 2/18/2022

Received Date: 12/21/2021

Turnaround Time: Normal

Phones: (858) 300-4324

Fax: (858) 278-5300

P.O. #:

Billing Code:

Attn: Marisa Swiderski

Client: Wood - San Diego

9177 Sky Park Court, Ste A San Diego, CA 92123

Project: SIYB IWHC Pause Pilot (Port of San Diego)

ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • LACSD #10143 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Marisa Swiderski,

Enclosed are the results of analyses for samples received 12/21/21 with the Chain-of-Custody document. The samples were received in good condition, at 3.8 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Chris Samatmanakit Project Manager

1: State











FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 **Project Number:** SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

02/18/2022 16:32



Case Narrative

Final Report: This is a complete final report. The information in this report applyies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Project Manager: Marisa Swiderski



Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
C-1-W5	Marisa Swiderski/Kate Buckley	1L21107-01	Sea Water	12/20/21 11:30	
C-2-W5	Marisa Swiderski/Kate Buckley	1L21107-02	Sea Water	12/20/21 11:30	
C-3-W5	Marisa Swiderski/Kate Buckley	1L21107-03	Sea Water	12/20/21 10:50	
C-3-Dup-W5	Marisa Swiderski/Kate Buckley	1L21107-04	Sea Water	12/20/21 11:00	
C-4-W5	Marisa Swiderski/Kate Buckley	1L21107-05	Sea Water	12/20/21 10:10	
C-5-W5	Marisa Swiderski/Kate Buckley	1L21107-06	Sea Water	12/20/21 11:15	
C-6-W5	Marisa Swiderski/Kate Buckley	1L21107-07	Sea Water	12/20/21 11:00	
C-7-W5	Marisa Swiderski/Kate Buckley	1L21107-08	Sea Water	12/20/21 10:50	
C-8-W5	Marisa Swiderski/Kate Buckley	1L21107-09	Sea Water	12/20/21 10:40	
C-9-W5	Marisa Swiderski/Kate Buckley	1L21107-10	Sea Water	12/20/21 10:30	
C-10-W5	Marisa Swiderski/Kate Buckley	1L21107-11	Sea Water	12/20/21 10:10	
C-11-W5	Marisa Swiderski/Kate Buckley	1L21107-12	Sea Water	12/20/21 10:20	
C-12-W5	Marisa Swiderski/Kate Buckley	1L21107-13	Sea Water	12/20/21 09:55	
C-13-W5	Marisa Swiderski/Kate Buckley	1L21107-14	Sea Water	12/20/21 09:30	
C-REF-1-W5	Marisa Swiderski/Kate Buckley	1L21107-15	Sea Water	12/20/21 09:45	
C-REF-2-W5	Marisa Swiderski/Kate Buckley	1L21107-16	Sea Water	12/20/21 09:30	
FB-W5	Marisa Swiderski/Kate Buckley	1L21107-17	Water	12/20/21 08:55	
N8-ER-W5	Marisa Swiderski/Kate Buckley	1L21107-18	Water	12/20/21 09:05	



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/18/2022 16:32

Project Manager: Marisa Swiderski

San

nple Results

Sample: Sampled: 12/20/21 11:30 by Marisa Swiderski/Kate Buckley 1L21107-01RE1 (Sea Water) MRI Units Dil Qualifier MDL Analyzed Analyte Result Metals - Low Level by 1600 Series Methods Method: EPA 1640 Instr: ICPMS03 Batch ID: W2B1123 Preparation: _NONE (METALS) Prepared: 02/15/22 18:31 Analyst: ALN Copper, Dissolved 0.0038 0.010 02/16/22 ug/l



Sample Results

C-2-W5 Sample: Sampled: 12/20/21 11:30 by Marisa Swiderski/Kate Buckley

1L21107-02RE1 (Sea Water) Analyte

Result MDL MRL Units Dil Analyzed Qualifier

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W2B1123 Preparation: _NONE (METALS) Prepared: 02/15/22 18:31 Analyst: ALN

0.0038 0.010 02/16/22 Copper, Dissolved ug/l 11



Sample Results

C-3-W5 Sampled: 12/20/21 10:50 by Marisa Swiderski/Kate Buckley Sample:

1L21107-03RE1 (Sea Water)

MDL MRL Units Analyzed Qualifier Analyte Result

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W2B1123 Prepared: 02/15/22 18:31 Preparation: _NONE (METALS) Analyst: ALN 0.0038 0.010 02/16/22

Copper, Dissolved



Sample Results

C-3-Dup-W5 Sampled: 12/20/21 11:00 by Marisa Swiderski/Kate Buckley Sample:

1L21107-04RE1 (Sea Water)

MDL MRI Units Analyzed Qualifier Analyte Result

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Preparation: _NONE (METALS)

Batch ID: W2B1123 Preparation: _NONE (METALS) Prepared: 02/15/22 18:31 Analyst: ALN 0.0038 02/16/22 Copper, Dissolved 11 ug/l

Sample Results

C-4-W5 Sampled: 12/20/21 10:10 by Marisa Swiderski/Kate Buckley Sample:

MRI

1L21107-05RE1 (Sea Water)

Analyzed Qualifier Metals - Low Level by 1600 Series Methods Method: EPA 1640 Instr: ICPMS03 Batch ID: W2B1123 Prepared: 02/15/22 18:31 Analyst: ALN

0.0038 0.010 Copper, Dissolved 02/16/22 ug/l

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FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

(Continued)

Analyst: ALN

02/18/2022 16:32

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Sample Results

Sample:	C-5-W5				Sampled: 12/20/21 11:15 by Marisa Swiderski/Kate							
	1L21107-06RE1 (Sea Water)											
Analyte			Result	MDL	MRL	Units	Dil	Analyzed	Qualifier			
Metals - Low L	evel by 1600 Series Methods											
Method: EPA	. 1640				Instr: ICPMS03							
Batch ID: V	V2B1123	Preparation: _NONE (METALS)			Prepared: 02/1	5/22 18:31			Analyst: ALN			
Copper, Di	issolved		11	0.0038	0.010	ug/l	1	02/16/22				
Sa	mple Results								(Continued)			

Project Manager: Marisa Swiderski

Sample: C-6-W5 Sampled: 12/20/21 11:00 by Marisa Swiderski/Kate Buckley 1L21107-07RE1 (Sea Water) Analyte Result MDL MRL Units Dil Analyzed Qualifier

Metals - Low Level by 1600 Series Methods Method: EPA 1640

Instr: ICPMS03

Batch ID: W2B1123 Preparation: _NONE (METALS) Prepared: 02/15/22 18:31 Copper, Dissolved 0.0038 0.010 02/16/22 ug/l 11

(Continued) Sample Results

C-7-W5 Sample: 1L21107-08RE1 (Sea Water)

Sampled: 12/20/21 10:50 by Marisa Swiderski/Kate Buckley

Result MDL MRL Units Analyzed Qualifier Analyte Metals - Low Level by 1600 Series Methods Method: EPA 1640 Instr: ICPMS03

Batch ID: W2B1123 Prepared: 02/15/22 18:31 Preparation: _NONE (METALS)

Analyst: ALN Copper, Dissolved 0.0038 0.010 02/16/22

(Continued) Sample Results

C-8-W5 Sampled: 12/20/21 10:40 by Marisa Swiderski/Kate Buckley Sample: 1L21107-09RE1 (Sea Water)

MDL MRI Units Analyzed Qualifier Analyte Result Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03 Batch ID: W2B1123 Preparation: _NONE (METALS) Prepared: 02/15/22 18:31 Analyst: ALN 0.0038 02/16/22 Copper, Dissolved 8.6 ug/l

Sample Results

(Continued)

Qualifier

C-9-W5 Sampled: 12/20/21 10:30 by Marisa Swiderski/Kate Buckley Sample: 1L21107-10RE1 (Sea Water)

MRL Analyzed

Metals - Low Level by 1600 Series Methods Method: EPA 1640 Instr: ICPMS03

Batch ID: W2B1123 Prepared: 02/15/22 18:31 Analyst: ALN Preparation: _NONE (METALS) 0.010 Copper, Dissolved 0.0038 02/16/22 8.4 ug/l

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FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Project Manager: Marisa Swiderski

Reported:

(Continued)

02/18/2022 16:32

	Sampl
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le Results

	ample results							
Sample:	C-10-W5			Sa	ampled: 12/20	/21 10:10 b	y Marisa Swide	rski/Kate Buckle
	1L21107-11RE1 (Sea Water)							
Analyte		Result	t MDL	MRL	Units	Dil	Analyzed	Qualifie
letals - Low	Level by 1600 Series Methods							
Method: EP/	A 1640			Instr: ICPMS03				
Batch ID:		Preparation: _NONE (METALS)		Prepared: 02/1				Analyst: ALI
Copper, D	Dissolved	8.1	0.0038	0.010	ug/l	1	02/16/22	
Sa	ample Results							(Continued
Sample:	C-11-W5			Sa	ampled: 12/20	/21 10:20 b	y Marisa Swide	rski/Kate Buckle
	1L21107-12RE1 (Sea Water)							
Analyte		Result	t MDL	MRL	Units	Dil	Analyzed	Qualifie
letals - Low	Level by 1600 Series Methods							
Method: EP/	A 1640			Instr: ICPMS03				
Batch ID:		Preparation: _NONE (METALS)		Prepared: 02/1				Analyst: ALI
Copper, D	Dissolved	9.7	0.0038	0.010	ug/l	1	02/16/22	
Sa	ample Results							(Continued
Sample:	C-12-W5			S	ampled: 12/20	0/21 9:55 b	y Marisa Swide	rski/Kate Buckle
	1L21107-13RE1 (Sea Water)							
Analyte		Result	t MDL	MRL	Units	Dil	Analyzed	Qualifi
letals - Low	Level by 1600 Series Methods							
Method: EP/	A 1640			Instr: ICPMS03				
Batch ID:		Preparation: _NONE (METALS)		Prepared: 02/1				Analyst: ALN
Copper, D	Dissolved	5.0	0.0038	0.010	ug/l	1	02/16/22	
Sa	ample Results							(Continued
Sample:	C-13-W5			S	ampled: 12/20	0/21 9:30 b	y Marisa Swide	rski/Kate Buckle
	1L21107-14RE1 (Sea Water)							
Analyte		Result	t MDL	MRL	Units	Dil	Analyzed	Qualifie
letals - Low	Level by 1600 Series Methods							
Method: EP/	A 1640			Instr: ICPMS03				
Batch ID:		Preparation: _NONE (METALS)		Prepared: 02/1				Analyst: ALI
Copper, D	Dissolved	2.8	0.0038	0.010	ug/l	1	02/16/22	

Sample: C-REF-1-W5

Sampled: 12/20/21 9:45 by Marisa Swiderski/Kate Buckley

(Continued)

1L21107-15 (Sea Water)

Sample Results

MDL MRL Analyzed Qualifier Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W2B1076 Preparation: _NONE (METALS) Prepared: 02/15/22 12:16 Analyst: ALN Copper, Dissolved 0.010 02/15/22 0.0038 ug/l 0.16

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FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Batch ID: W2B1076

Copper, Dissolved

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Prepared: 02/15/22 12:16

0.010

Reported:

02/18/2022 16:32

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(Continued)

Analyst: ALN

02/15/22

Sa	ample Results								(Continued
Sample:	C-REF-2-W5					Sampled: 12/20/21	9:30	by Marisa Swider	ski/Kate Buckle
	1L21107-16RE1 (Sea Water)								
Analyte			Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
etals - Low L	Level by 1600 Series Methods								
Method: EPA	A 1640				Instr: ICPMS	03			
Batch ID: V	W2B1123	Preparation: _NONE (METALS)			Prepared: 0	2/15/22 18:31			Analyst: ALN
Copper, D	issolved		0.50	0.0038	0.010	ug/l	1	02/16/22	
Sa	ample Results								(Continued
Sample:	FB-W5					Sampled: 12/20/21	8:55	by Marisa Swider	ski/Kate Buckle
	1L21107-17 (Water)								
Analyte			Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
etals - Low L	Level by 1600 Series Methods								
Method: EPA	A 1640				Instr: ICPMS	03			
Batch ID: V	W2B1076	Preparation: _NONE (METALS)			Prepared: 0	2/15/22 12:16			Analyst: AL
Copper, Di	issolved		- ND	0.0038	0.010	ug/l	1	02/15/22	
Sa	ample Results								(Continued
Sample:	N8-ER-W5					Sampled: 12/20/21	9:05	by Marisa Swider	ski/Kate Buckle
	1L21107-18 (Water)								
Analyte			Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
letals - Low L	Level by 1600 Series Methods								

0.0038

Preparation: _NONE (METALS)

Project Manager: Marisa Swiderski



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

02/18/2022 16:32

Quality Control Results

Metals - Low Level by 1600 Series Methods											
					Spike	Source		%REC		RPD	
Analyte	Result	MDL	MRL	Units	Level	Result	%REC	Limits	RPD	Limit	Qualifie
Batch: W2B1076 - EPA 1640											
Blank (W2B1076-BLK1)					Prepared & A	nalyzed: 02/1	15/22				
Copper, Dissolved	ND	0.0038	0.010	ug/l		-					
LCS (W2B1076-BS1)					Prepared & A	nalyzed: 02/1	15/22				
Copper, Dissolved	10.8	0.0038	0.010	ug/l	10.0	•	108	70-130			
Matrix Spike (W2B1076-MS1)	Source: 1	L29032-23			Prepared & A	nalyzed: 02/1	15/22				
Copper, Dissolved	20.4	0.0038	0.010	ug/l	10.0	12.1	83	70-130			
Matrix Spike Dup (W2B1076-MSD1)	Source: 1	L29032-23			Prepared & A	nalyzed: 02/1	15/22				
Copper, Dissolved	20.3	0.0038	0.010	ug/l	10.0	12.1	82	70-130	0.3	30	
Batch: W2B1123 - EPA 1640											
Blank (W2B1123-BLK1)				Pre	pared: 02/15/2	2 Analyzed:	02/16/22	2			
Copper, Dissolved	ND	0.0038	0.010	ug/l							
LCS (W2B1123-BS1)				Pre	pared: 02/15/2	2 Analyzed:	02/16/22	2			
Copper, Dissolved	10.2	0.0038	0.010	ug/l	10.0	•	102	70-130			
Matrix Spike (W2B1123-MS1)	Source: 1	L29032-01	RE1	Pre	pared: 02/15/2	2 Analyzed:	02/16/22	2			
Copper, Dissolved	22.8	0.0038	0.010	ug/l	10.0	11.4	114	70-130			
Matrix Spike (W2B1123-MS2)	Source: 1	L21107-03	RE1	Pre	pared: 02/15/2	2 Analyzed:	02/16/22	2			
Copper, Dissolved	20.5	0.0038	0.010	ug/l	10.0	10.7	98	70-130			
Matrix Spike Dup (W2B1123-MSD1)	Source: 1	L29032-01	RE1	Pre	pared: 02/15/2	2 Analyzed:	02/16/22	2			
Copper, Dissolved	21.7	0.0038	0.010	ug/l	10.0	11.4	103	70-130	5	30	
Matrix Spike Dup (W2B1123-MSD2)	Source: 1	L21107-03	RE1	Pre	pared: 02/15/2	2 Analyzed:	02/16/22	2			
Copper, Dissolved	19.6	0.0038	0.010	ug/l	10.0	10.7	90	70-130	4	30	

Project Manager: Marisa Swiderski



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/18/2022 16:32

Project Manager: Marisa Swiderski



Item

Notes and Definitions

%REC	Percent Recovery
Dil	Dilution
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

1L21107 Page 8 of 8

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Weck Laboratories, Inc. Analytical Laboratory Services - Since 1964

CHAIN OF CUSTODY RECORD

14859 East Clark Avenue: Industry: CA 91745

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Tel 626-336-2139	Fax 626-	336-2634	♦ www	v.wecklabs.com								, ,	- 1	Page_	1		2
CLIENT NAME:	4.			PROJECT:				Al	VALYS	ES REQ	UEST	ΓED		SPEC	AL HAN	DLING	
Wood Environment & ADDRESS:	Infrastructure	Solutions, I	nc.	SIYB IWHC Paus (Port of San PHONE: 858-300-432	Diego)		0.01 µg/L							Annan Supran	24 Hour	ny Rush 150° Rush 100% our Rush 75°	
9177 Sky Park Ct.				FAX: 858-300-4301			RL= 0.							Г	4 - 5 Day	Rush 30%	
San Diego, CA 92123				EMAIL: <u>marisa.swiders</u> barry.snyder@		<u>m</u>	ug/L							다. マ		ractions 50% ness Days	6
PROJECT MANAGER				SAMPLER			per ^{1,2} 0,0038							<u></u>	QA/QC E	ata Packag	e
Marisa Swiderski				Marisa Swiderski (MS) / \	/ictoria Wood	(VV)	Cop MDL							Charges w	ill apply for	weekends	/holidays
ID#	DATE	TIME	SMPL		TELOCATION.	#OF	1 ved 1840					ŀ	1	Method of	Shipment:		
(For lab Use Only)	SAMPLED	SAMPLED	TYPE	SAMPLE IDENTIFICATION/SI	ITE LOCATION	CONT.	Disso EPA 1							COMMENT	s		
	12/20/21	11:30	seawater	C-1-W5		1	Х										
	12/20/21	11:30	seawater	C-2-W5		1	Х										
	12/20/21	10:50		C-3-W5		1	Х		1		<u> </u>	<u> </u>		extra vol.	analyze s	ample MS	s/MSD
	12/20/21	11:00		C-3-Dup-W5		1	X		\bot		<u> </u>						
	12/20/21	10:10	1	C-4-W5		1	Х				ļ						
	12/20/21	11:15		C-5-W5		1	Х		\bot		Ь			1			
	12/20/21	11:00		C-6-W5		1_	Х		\bot		ļ <u>.</u>						
	12/20/21	10:50		C-7-W5		1	Х										
	12/20/21	10:40		C-8-W5		1	Х		\perp			ļ					
	12/20/21	10:30	-	C-9-W5		1	Х		+		<u> </u>						
	12/20/21	10:10		C-10-W5		1	Х									1	
				1/TIME 21/2021 1200	RECEIVED BY			, 		.· a			AMPLE C		re: 2,87		YPE CODE: us queous e
Juan Garcia 12			12/	7TIME 21/2021 2:20 E/TIME	RECEIVED BY RECEIVED BY RECEIVED BY			En~ (1/2)			0	Prese Evider Conta	ved On Ice rved nce Seals I iner Intact rved at Lat	Present	A Y	DW = Drink WW = Was RW = Rain GW = Grou SO = Soil	ste Water Water
COECIAL DECUIDEMEN		BIEODIA TK			-							7	-6V	54		SW = Solid OL = Oil OT = Other	

- 1) LAB ACTION: PRESERVE Cu samples IMMEDIATELY. HDPE metals bottles have NO acid (HNO3) in bottle.
- 2) Dissolved metals were field filtered using 0.45 um bottletop filt. system.
- 3) Preserve any extra volume of each sample for dissolved metals to archive.
- 4) SPIKE level at the following amounts: Copper = 10 ug/L
- 5) WECK will contact Wood PM within 24 hours if any sample anomalies are found.

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1	/ 1	1.	Ш	

Weck Laboratories, Inc. Analytical Laboratory Services - Since 1964

CHAIN OF CUSTODY RECORD

14859 East Clark Avenue: Industry: CA 91745

STANDA

STANDARD 121107

Tel 626-336-2139 ♦ Fax 626-336-2634 ♦ www.wecklabs.com											15		(•	Page	2	<u>Of</u>	2
CLIENT NAME:				PROJECT:				Αl	NALYSI	ES RE	QUEST	ED		SPECIA	AL HAN	IDLING	·
Wood Environment & Infrastructure Solutions, Inc. ADDRESS: 9177 Sky Park Ct. San Diego, CA 92123			Inc.	SIYB IWHC Pause Pilot Study (Port of San Diego) PHONE: 858-300-4324 FAX: 858-300-4301 EMAIL: marisa.swiderski@woodplc.com barry.snyder@woodplc.com			38 µg/L, RL= 0.01 µg/L							2	24 Hour 48-72 H 4 - 5 Da Rush Ex	ay Rush 15 Rush 100 our Rush 7 y Rush 309 stractions 5 ness Days	% 5% % 0%
PROJECT MANAGER				SAMPLER			0.00						į		QA/QC	Data Packa	ige
Marisa Swiderski				Marisa Swiderski (MS) / V	ictoria Wood	(VW)	Cop MDL							Charges wi			ds/holidays
ID# (For lab Use Only)	DATE SAMPLED	TIME SAMPLED	SMPL	SAMPLE IDENTIFICATION/SIT	TE LOCATION	# OF CONT.	olved 1640							Method of S	hipment:		
(i or lab dae of liy)	SAMPLED	SAIVIFEED	TYPE	1		CONT.	Disso EPA							COMMENT	3 .		
	12/20/21	10:20		C-11-W5		1	Χ										
	12/20/21	9:55		C-12-W5		1	Х		\sqcup	_							
	12/20/21	9:30	+	C-13-W5		11	Х		 								
	12/20/21	9:45	 	C-REF-1-W5		1	Х		\sqcup								
	12/20/21	9:30	-	C-REF-2-W5		1	X			_							
	12/20/21	8:55		FB-W5		1	Х										
	12/20/21	9:05	DI	N8-ER-W5		. 1	Х	_	\vdash	_	+-			-			
			-						 -		+			-			
: 1						<u> </u>			+		+						
				·		•			\vdash		1						
Marine Swider 121			12/	E/TIME RECEIVED BY			<i>[</i>	1.:					MPLE (CONDITION: AQ=Aqueous NA= Non Aqueous SL = Sludge			
Juan Garcia 12/			12/2	21/2021 2:20	RECEIVED BY THE PROPERTY OF T			1423			0	Preserv Eviden Contair		Present	X X X X X X X X X X X X X X X X X X X	DW = Dri WW = W RW = Ra	nking Water aste Water in Water ound Water
												1	01/1	\mathcal{Y}		OT = Oth	er Matrix

SPECIAL REQUIREMENTS / BILLING INFORMATION

- 1) LAB ACTION: PRESERVE Cu samples IMMEDIATELY. HDPE metals bottles have NO acid (HNO3) in bottle.
- 2) Dissolved metals were field filtered using 0.45 um bottletop filt. system.
- 3) Preserve any extra volume of each sample for dissolved metals to archive.
- 4) SPIKE level at the following amounts: Copper = 10 ug/L
- 5) WECK will contact Wood PM within 24 hours if any sample anomalies are found.

WEEK 6 ANALYTICAL RESULTS



FINAL REPORT

Work Orders: 1L29032 Report Date: 2/18/2022

Received Date: 12/29/2021

Turnaround Time: Normal

Phones: (858) 300-4324

Fax: (858) 278-5300

P.O. #:

Billing Code:

Project: SIYB IWHC Pause Pilot (Port of San Diego)

Attn: Marisa Swiderski

Client: Wood - San Diego

9177 Sky Park Court, Ste A San Diego, CA 92123

ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • LACSD #10143 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Marisa Swiderski,

Enclosed are the results of analyses for samples received 12/29/21 with the Chain-of-Custody document. The samples were received in good condition, at 3.4 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Chris Samatmanakit Project Manager

1: State











FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

02/18/2022 16:34



Case Narrative

Final Report: This is a complete final report. The information in this report applyies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Project Manager: Marisa Swiderski



Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
C-1-W6	Marisa Swiderski/Kate Buckley	1L29032-01	Sea Water	12/28/21 11:40	
C-2-W6	Marisa Swiderski/Kate Buckley	1L29032-02	Sea Water	12/28/21 12:30	
C-3-W6	Marisa Swiderski/Kate Buckley	1L29032-03	Sea Water	12/28/21 11:45	
C-4-W6	Marisa Swiderski/Kate Buckley	1L29032-04	Sea Water	12/28/21 10:50	
C-5-W6	Marisa Swiderski/Kate Buckley	1L29032-05	Sea Water	12/28/21 11:20	
C-6-W6	Marisa Swiderski/Kate Buckley	1L29032-06	Sea Water	12/28/21 09:45	
C-7-W6	Marisa Swiderski/Kate Buckley	1L29032-07	Sea Water	12/28/21 10:45	
C-8-W6	Marisa Swiderski/Kate Buckley	1L29032-08	Sea Water	12/28/21 10:30	
C-9-W6	Marisa Swiderski/Kate Buckley	1L29032-09	Sea Water	12/28/21 10:15	
C-10-W6	Marisa Swiderski/Kate Buckley	1L29032-10	Sea Water	12/28/21 09:55	
C-11-W6	Marisa Swiderski/Kate Buckley	1L29032-11	Sea Water	12/28/21 10:05	
C-12-W6	Marisa Swiderski/Kate Buckley	1L29032-12	Sea Water	12/28/21 09:20	
C-13-W6	Marisa Swiderski/Kate Buckley	1L29032-13	Sea Water	12/28/21 09:00	
C-REF-1-W6	Marisa Swiderski/Kate Buckley	1L29032-14	Sea Water	12/28/21 08:55	
C-REF-2-W6	Marisa Swiderski/Kate Buckley	1L29032-15	Sea Water	12/28/21 08:45	
FB-W6	Marisa Swiderski/Kate Buckley	1L29032-16	Water	12/28/21 08:30	
N3-ER-W6	Marisa Swiderski/Kate Buckley	1L29032-17	Water	12/28/21 08:40	
E-14-W6	Marisa Swiderski/Kate Buckley	1L29032-18	Sea Water	12/28/21 12:10	
E-15-W6	Marisa Swiderski/Kate Buckley	1L29032-19	Sea Water	12/28/21 11:25	
E-16-W6	Marisa Swiderski/Kate Buckley	1L29032-20	Sea Water	12/28/21 10:20	
E-16-Dup-W6	Marisa Swiderski/Kate Buckley	1L29032-21	Sea Water	12/28/21 10:30	
E-17-W6	Marisa Swiderski/Kate Buckley	1L29032-22	Sea Water	12/28/21 11:00	
E-18-W6	Marisa Swiderski/Kate Buckley	1L29032-23	Sea Water	12/28/21 09:30	
Ξ-19-W6	Marisa Swiderski/Kate Buckley	1L29032-24	Sea Water	12/28/21 09:45	
E-20-W6	Marisa Swiderski/Kate Buckley	1L29032-25	Sea Water	12/28/21 09:10	



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/18/2022 16:34

Project Manager: Marisa Swiderski

|--|

Sample: C-1-W6 Sampled: 12/28/21 11:40 by Marisa Swiderski/Kate Buckley 1L29032-01RE1 (Sea Water) MRI Units Dil Qualifier MDL Analyzed Analyte Result Metals - Low Level by 1600 Series Methods Method: EPA 1640 Instr: ICPMS03 Batch ID: W2B1123 Preparation: _NONE (METALS) Prepared: 02/15/22 18:31 Analyst: ALN Copper, Dissolved 0.0038 0.010 02/16/22 ug/l

Sample Results

C-2-W6 Sample: Sampled: 12/28/21 12:30 by Marisa Swiderski/Kate Buckley

1L29032-02RE1 (Sea Water)

Analyte Result MDL MRL Units Dil Analyzed Qualifier

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W2B1123 Preparation: _NONE (METALS) Prepared: 02/15/22 18:31 Analyst: ALN

0.0038 0.010 02/16/22 Copper, Dissolved ug/l 13

Sample Results

C-3-W6 Sampled: 12/28/21 11:45 by Marisa Swiderski/Kate Buckley Sample:

1L29032-03 (Sea Water)

MDL MRL Units Analyzed Qualifier Analyte Result

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W2B0553 Prepared: 02/08/22 11:33 Preparation: _NONE (METALS) Analyst: ALN Copper, Dissolved 0.0038 0.010 02/12/22



Sample Results

C-4-W6 Sampled: 12/28/21 10:50 by Marisa Swiderski/Kate Buckley Sample:

1L29032-04 (Sea Water)

MDL MRI Units Analyzed Qualifier Analyte Result

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W2B0553 Preparation: _NONE (METALS) Prepared: 02/08/22 11:33 Analyst: ALN 0.0038 02/12/22 Copper, Dissolved 14 ug/l

1L29032

Copper, Dissolved

Sample Results

C-5-W6 Sampled: 12/28/21 11:20 by Marisa Swiderski/Kate Buckley Sample:

1L29032-05 (Sea Water)

MRL Analyzed Qualifier Metals - Low Level by 1600 Series Methods Method: EPA 1640 Instr: ICPMS03 Batch ID: W2B0553 Prepared: 02/08/22 11:33 Analyst: ALN Preparation: _NONE (METALS)

0.0038

0.010

ug/l

02/12/22

Page 3 of 9



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

1L29032-10 (Sea Water)

Metals - Low Level by 1600 Series Methods

Method: EPA 1640

Batch ID: W2B0553

Copper, Dissolved

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/18/2022 16:34

Project Manager: Marisa Swiderski

Sample Results							(Continued
Sample: C-6-W6			Sa	ampled: 12/28	3/21 9:45 b	y Marisa Swide	rski/Kate Buckle
1L29032-06 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2B0553	Preparation: _NONE (METALS)		Prepared: 02/0	8/22 11:33			Analyst: ALI
Copper, Dissolved		0.0038	0.010	ug/l	1	02/12/22	
Sample Results							(Continued
Sample: C-7-W6			Sa	mpled: 12/28	/21 10:45 b	y Marisa Swide	rski/Kate Buckle
1L29032-07 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
letals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2B0553	Preparation: _NONE (METALS)		Prepared: 02/0	8/22 11:33			Analyst: AL
Copper, Dissolved	9.7	0.0038	0.010	ug/l	1	02/12/22	
Sample Results							(Continued
Sample: C-8-W6			Sa	mpled: 12/28	/21 10:30 b	y Marisa Swide	rski/Kate Buckle
1L29032-08 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
letals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2B0553	Preparation: _NONE (METALS)		Prepared: 02/0				Analyst: AL
Copper, Dissolved	9.0	0.0038	0.010	ug/l	1	02/12/22	
Sample Results							(Continued
Sample: C-9-W6			Sa	mpled: 12/28	/21 10:15 b	y Marisa Swide	rski/Kate Buckle
1L29032-09 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2B0553	Preparation: _NONE (METALS)	2 2225	Prepared: 02/0			00110155	Analyst: AL
Copper, Dissolved	8.0	0.0038	0.010	ug/l	1	02/12/22	
Sample Results							(Continued
Sample: C-10-W6			Sa	ampled: 12/28	3/21 9:55 b	y Marisa Swide	rski/Kate Buckle

1L29032 Page 4 of 9

8.9

Preparation: _NONE (METALS)

MDL

0.0038

MRL

Instr: ICPMS03

0.010

Prepared: 02/08/22 11:33

ug/l

Analyzed

02/12/22

Qualifier

Analyst: ALN



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/18/2022 16:34

Project Manager: Marisa Swiderski

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				;
			7	

Method: EPA 1640

Batch ID: W2B0553

Copper, Dissolved

Analyst: ALN

02/12/22

Sa	ample Results								(Continued
Sample:	C-11-W6				Si	ampled: 12/28/	21 10:05 b	y Marisa Swide	rski/Kate Buckle
	1L29032-11 (Sea Water)								
Analyte			Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
letals - Low	Level by 1600 Series Methods								
Method: EPA	A 1640				Instr: ICPMS03	3			
Batch ID:	W2B0553	Preparation: _NONE (METALS)			Prepared: 02/	08/22 11:33			Analyst: ALI
Copper, D	Dissolved		9.1	0.0038	0.010	ug/l	1	02/12/22	
Sa	ample Results								(Continued
Sample:	C-12-W6				S	Sampled: 12/28	/21 9:20 b	y Marisa Swide	rski/Kate Buckle
	1L29032-12 (Sea Water)								
Analyte			Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
/letals - Low	Level by 1600 Series Methods								
Method: EPA	A 1640				Instr: ICPMS03	3			
Batch ID:	W2B0553	Preparation: _NONE (METALS)			Prepared: 02/	08/22 11:33			Analyst: AL
Copper, D	Dissolved		11	0.0038	0.010	ug/l	1	02/12/22	
Sa	ample Results								(Continued
Sample:	C-13-W6				S	ampled: 12/28	/21 9:00 b	y Marisa Swide	rski/Kate Buckle
	1L29032-13 (Sea Water)								
Analyte			Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
/letals - Low	Level by 1600 Series Methods								
Method: EPA	A 1640				Instr: ICPMS03	3			
Batch ID:	W2B0553	Preparation: _NONE (METALS)			Prepared: 02/	08/22 11:33			Analyst: AL
Copper, D	Dissolved		7.3	0.0038	0.010	ug/l	1	02/12/22	
Sa	ample Results								(Continued
Sample:	C-REF-1-W6				S	ampled: 12/28	/21 8:55 b	y Marisa Swide	rski/Kate Buckle
	1L29032-14 (Sea Water)								
Analyte	,		Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
-	Level by 1600 Series Methods							•	
Method: EPA	A 1640				Instr: ICPMS03	3			
Batch ID:		Preparation: _NONE (METALS)			Prepared: 02/				Analyst: ALI
Copper, D			1.6	0.0038	0.010	ug/l	1	02/12/22	, , , ,
Sa	ample Results								(Continued
Sample:	C-REF-2-W6				S	sampled: 12/28	/21 8:45 b	y Marisa Swide	rski/Kate Buckle
	1L29032-15 (Sea Water)								
Analyte			Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
-	Level by 1600 Series Methods								
	-								

2.0

0.0038

Preparation: _NONE (METALS)

Instr: ICPMS03

0.010

Prepared: 02/08/22 11:33

ug/l



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Metals - Low Level by 1600 Series Methods

Method: EPA 1640

Batch ID: W2B0553

Copper, Dissolved

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/18/2022 16:34

Project Manager: Marisa Swiderski

San Diego, (CA 92123	Project Ma	nager:	Marisa S	widerski				
Sa	ample Results								(Continued
Sample:	FB-W6				S	ampled: 12/28	3/21 8:30 b	y Marisa Swide	rski/Kate Buckle
	1L29032-16 (Water)								
Analyte			Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
Metals - Low	Level by 1600 Series Methods								
Method: EPA	A 1640				Instr: ICPMS03	3			
Batch ID:		Preparation: _NONE (METALS)			Prepared: 02/		,		Analyst: ALN
Copper, D	Dissolved		ND	0.0038	0.010	ug/l	1	02/15/22	
Sa	ample Results								(Continued
Sample:	N3-ER-W6				S	ampled: 12/28	/21 8:40 b	y Marisa Swide	rski/Kate Buckley
	1L29032-17 (Water)								
Analyte			Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
Metals - Low	Level by 1600 Series Methods								
Method: EPA	A 1640				Instr: ICPMS03	}			
Batch ID:		Preparation: _NONE (METALS)		0.0000	Prepared: 02/			00/45/00	Analyst: ALN
Copper, D			0.018	0.0038	0.010	ug/l	1	02/15/22	(Continued
Sa	ample Results								(Continuou
Sample:	E-14-W6 1L29032-18 (Sea Water)				Sa	ampled: 12/28,	/21 12:10 b	y Marisa Swide	rski/Kate Buckle
Analyte			Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
Metals - Low	Level by 1600 Series Methods								
Method: EPA	A 1640				Instr: ICPMS03	3			
Batch ID:		Preparation: _NONE (METALS)			Prepared: 02/0				Analyst: ALN
Copper, D	Dissolved		- 14	0.0038	0.010	ug/l	1	02/12/22	
Sa	ample Results								(Continued
Sample:	E-15-W6				Sa	ampled: 12/28,	/21 11:25 b	y Marisa Swide	rski/Kate Buckle
	1L29032-19 (Sea Water)								
Analyte			Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
Metals - Low	Level by 1600 Series Methods								
Method: EPA	A 1640				Instr: ICPMS03	}			
Batch ID:	W2B0553	Preparation: _NONE (METALS)			Prepared: 02/0	08/22 11:33			Analyst: ALN
Copper, D	Dissolved		- 14	0.0038	0.010	ug/l	1	02/12/22	
Sa	ample Results								(Continued
Committee	E-16-W6				C.	ampled: 12/20	/21 10,20 h	v Marica Cuida	rski/Kate Buckley
Sample:	L 10 WO				30	ampieu. 12/20,	/21 10.20 D	y Marisa Swide	iski/ Kate buckley

1L29032 Page 6 of 9

Preparation: _NONE (METALS)

MDL

0.0038

MRL

Instr: ICPMS03

0.010

Prepared: 02/08/22 11:33

ug/l

Analyzed

02/12/22

Qualifier

Analyst: ALN



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

02/18/2022 16:34

(Continued)

Reported:

Project Manager: Marisa Swiderski

	Sa	ample	Re
Samp	le:	E-16-Du	ıp-W6

Results

Sampled: 12/28/21 10:30 by Marisa Swiderski/Kate Buckley

1L29032-21 (Sea Water)								
Analyte	l	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods								
Method: EPA 1640				Instr: ICPMS03				
Batch ID: W2B0553	Preparation: _NONE (METALS)			Prepared: 02/0	8/22 11:33			Analyst: ALN
Copper, Dissolved		- 15	0.0038	0.010	ug/l	1	02/12/22	

Analyte

Batch ID: W2B0553

Sample Results

(Continued)

Qualifier

E-17-W6 Sample: Sampled: 12/28/21 11:00 by Marisa Swiderski/Kate Buckley 1L29032-22 (Sea Water)

MDL

Result

Metals - Low Level by 1600 Series Methods

Units

Method: EPA 1640 Instr: ICPMS03 Preparation: _NONE (METALS)

Prepared: 02/08/22 11:33 Analyst: ALN

Analyzed

Dil

Copper, Dissolved 0.0038 0.010 02/12/22 ug/l 11

Sample:

Analyte

Sample Results

Sampled: 12/28/21 9:30 by Marisa Swiderski/Kate Buckley

(Continued)

(Continued)

(Continued)

1L29032-23 (Sea Water)

MDL MRL Units Analyzed Qualifier Result

MRL

Metals - Low Level by 1600 Series Methods

E-18-W6

Method: EPA 1640 Instr: ICPMS03

Batch ID: W2B1076 Prepared: 02/15/22 12:16 Preparation: _NONE (METALS) Analyst: ALN 12 0.0038 0.010 02/15/22

Copper, Dissolved

E-19-W6 Sample:

Sampled: 12/28/21 9:45 by Marisa Swiderski/Kate Buckley

1L29032-24 (Sea Water)

Sample Results

MDL MRI Units Analyzed Qualifier Analyte Result Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03 Batch ID: W2B1076

Preparation: _NONE (METALS) Prepared: 02/15/22 12:16 Analyst: ALN 0.0038 02/15/22 Copper, Dissolved 9.1 ua/l

Sample:

Sample Results

Sampled: 12/28/21 9:10 by Marisa Swiderski/Kate Buckley

1L29032-25 (Sea Water)

MRL Analyzed Qualifier Metals - Low Level by 1600 Series Methods

E-20-W6

Method: EPA 1640 Instr: ICPMS03

Batch ID: W2B1076 Prepared: 02/15/22 12:16 Analyst: ALN Preparation: _NONE (METALS) 0.010 Copper, Dissolved 0.0038 02/15/22 10 ug/l

1L29032 Page 7 of 9



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

02/18/2022 16:34 **Project Manager:** Marisa Swiderski

Quality Control Results

Metals - Low Level by 1600 Series Methods											
					Spike	Source		%REC		RPD	
Analyte	Result	MDL	MRL	Units	Level	Result	%REC	Limits	RPD	Limit	Qualifie
atch: W2B0553 - EPA 1640											
Blank (W2B0553-BLK1)				Pre	pared: 02/08/2	2 Analyzed:	02/12/22				
Copper, Dissolved	0.0261	0.0038	0.010	ug/l							B-0
LCS (W2B0553-BS1)				Pre	pared: 02/08/2	2 Analyzed:	02/12/22				
Copper, Dissolved	11.0	0.0038	0.010	ug/l	10.0	-	110	70-130			
Matrix Spike (W2B0553-MS1)	Source: 1	L29032-12		Pre	pared: 02/08/2	2 Analyzed:	02/12/22				
Copper, Dissolved	21.0	0.0038	0.010	ug/l	10.0	10.6	104	70-130			
Matrix Spike (W2B0553-MS2)	Source: 1	L29032-20		Pre	pared: 02/08/2	2 Analyzed:	02/12/22				
Copper, Dissolved	27.5	0.0038	0.010	ug/l	10.0	14.4	131	70-130			MS-0
Matrix Spike Dup (W2B0553-MSD1)	Source: 1	L29032-12		Pre	pared: 02/08/2	2 Analyzed:	02/12/22				
Copper, Dissolved			0.010	ug/l	10.0	10.6	111	70-130	3	30	
Matrix Spike Dup (W2B0553-MSD2)	Source: 1	L29032-20		Pre	pared: 02/08/2	2 Analyzed	02/12/22				
Copper, Dissolved		0.0038	0.010	ug/l	10.0	14.4	109	70-130	8	30	
atch: W2B1076 - EPA 1640											
Blank (W2B1076-BLK1) Copper, Dissolved	ND	0.0038	0.010	ug/l	Prepared & A	nalyzed: 02/	15/22				
Coppor, Biocorrou	,,,,	0.0000	0.010	agn							
LCS (W2B1076-BS1) Copper. Dissolved	10.8	0.0038	0.010	ug/l	Prepared & A 10.0	nalyzed: 02/	1 5/22 108	70-130			
Copper, Dissolved	10.0	0.0036	0.010	ug/l	10.0		106	70-130			
Matrix Spike (W2B1076-MS1)		L29032-23			Prepared & A	-					
Copper, Dissolved	20.4	0.0038	0.010	ug/l	10.0	12.1	83	70-130			
Matrix Spike Dup (W2B1076-MSD1)	Source: 1	L29032-23			Prepared & A	nalyzed: 02/	15/22				
Copper, Dissolved	20.3	0.0038	0.010	ug/l	10.0	12.1	82	70-130	0.3	30	
atch: W2B1123 - EPA 1640											
Blank (W2B1123-BLK1)				Pre	pared: 02/15/2	2 Analyzed:	02/16/22				
Copper, Dissolved	ND	0.0038	0.010	ug/l		•					
LCS (W2B1123-BS1)				Pre	pared: 02/15/2	2 Analyzed:	02/16/22				
Copper, Dissolved	10.2	0.0038	0.010	ug/l	10.0	•	102	70-130			
Matrix Spike (W2B1123-MS1)	Source: 1	L29032-01I	RE1	Pre	pared: 02/15/2	2 Analyzed:	02/16/22				
Copper, Dissolved		0.0038	0.010	ug/l		11.4					
Matrix Spike (W2B1123-MS2)	Source: 1	L21107-03I	2F1	Dro	pared: 02/15/2	2 Analyzed	02/16/22				
Copper, Dissolved		0.0038	0.010	ug/l	10.0	10.7	98	70-130			
Materix Smiles Dum (M/2D1122 MSD1)	Course: 1	120022 041	DE1	P	marrad: 02/15/2	2 Analyza	02/16/22				
Matrix Spike Dup (W2B1123-MSD1) Copper, Dissolved		0.0038	0.010	ug/l	pared: 02/15/2 10.0	2 Analyzed: 11.4		70-130	5	30	
				-							
Matrix Spike Dup (W2B1123-MSD2)	Source: 1	L21107-031	KE1	Pre	pared: 02/15/2 10.0	2 Analyzed: 10.7	02/16/22	70-130	4	30	



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/18/2022 16:34

Project Manager: Marisa Swiderski



Notes and Definitions

	Definition .
B-06	This analyte was found in the method blank, which was possibly contaminated during sample preparation. The batch was accepted since this analyte was either not detected or more than 10 times of the blank value for all the samples in the batch.
MS-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
%REC	Percent Recovery
Dil	Dilution
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

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14859 Fast Clark Avenue: Industry: CA 91745

Weck Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Analytical Laboratory Services - Since 1964

STANDARD

Tel 626-336-2139	♦ Fax 626-	-336-2634	♦ wwv	w.wecklabs.com	i										Page	1	Of	_3
CLIENT NAME:			•	PROJECT:				F	NALY	SES I	REQUES	TED		T	SPECIA	L HAN	DLING	
Wood Environment 8 ADDRESS: 9177 Sky Park Ct. San Diego, CA 9212		e Solutions,	Inc.	SIYB IWHC Paus (Port of San PHONE: 858-300-432- FAX: 858-300-430- EMAIL: marisa.swiders barry.snyder@	Diego) 4 1 ki@woodplc.co	<u>en</u>	,2 ADL 0.0038 µg/L, RL= 0.01									24 Hour 48-72 Ho 4 - 5 Day Rush Ex 10 Busin	ay Rush 15 Rush 100% our Rush 79 Rush 30% tractions 50 ness Days	% 5% 6 0%
PROJECT MANAGER				SAMPLER	Kala Dalda		pper 1640								<u></u>		Data Packa	ge ds/holidays
Marisa Swiderski ID#	DATE	TIME	SMPL	Marisa Swiderski (MS) /	Nate buckley	(ND) #0F	ed Cr EPA		-						ethod of S	, , ,	weekend	Sinolidays
(For lab Use Only)	SAMPLED	SAMPLED	TYPE	SAMPLE IDENTIFICATION/S	ITE LOCATION		Dissolv Method							-	MMENTS	•		
	12/28/21	11:40	-	r C-1-W6		1	X		_						•	•		
	12/28/21	12:30	seawate	r C-2-W6		1	Х											
	12/28/21	11:45	seawater	r C-3-W6	1	1	Х											
	12/28/21	10:50	seawater	r C-4-W6	1	1	Х											
	12/28/21	11:20	seawate	r C-5-W6		1	X											
	12/28/21	9:45	seawate	r C-6-W6		1	Х											
	12/28/21	10:45	seawater	r C-7-W6	1	1	Х											
	12/28/21	10:30		r C-8-W6		1	Х											
	12/28/21	10:15		r C-9-W6		1	X							_				
	12/28/21	9:55		r C-10-W6		1	Х											
	12/28/21	10:05		r C-11-W6		1	Х		·									
Marin d	videnti	;	1 .	E/TIME 29/2021 0905	RECEIVED	e)		5	- Ea	el	N		AMPLE I Tempe		noition: 3. Y	(()	AQ=Aque NA= Non SL = Siud	Aqueous Ige
RELINQUISHED B	< Sax	ler	12	=/TIME \\00 -29-21 =/TIME	RECEIVED RECEIVED	wah			lm/	2) 1	100	Prese Evide Conta		ils Prese act	nt IY VUVIV		WW = Wa	ound Water
SPECIAL REQUIREME	ENTS / BILLING	INFORMATION	ON C					<u> </u>					T	0230)	_	OL = Oil OT = Oth	

1) LAB ACTION: PRESERVE Cu samples IMMEDIATELY. HDPE metals bottles have NO acid (HNO3) in bottle.

- 2) Dissolved metals were field filtered using 0.45 um bottletop filt. system.
- 3) Preserve any extra volume of each sample for dissolved metals to archive.
- 4) SPIKE level at the following amounts: Copper = 10 ug/L
- 5) WECK will contact Wood PM within 24 hours if any sample anomalies are found.

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OT = Other Matrix

Analytical Laboratory Services - Since 1964

14859 East Clark Avenue: Industry: CA 91745					STANDARD								11	~~				
Tel 626-336-2139		•													Page	2	Of	3
CLIENT NAME:				PROJECT:	1				ANA	LYSE	S REQU	EST	ED		SPECI	AL HAN	IDLING	;
Wood Environment &	. Infrastructur	e Solutions.	Inc.	SIYB IWHC Paus (Port of San			= 0.01										ay Rush 1 Rush 100	
ADDRESS:		<u> </u>		PHONE: 858-300-432			ద									48-72 H	lour Rush	75%
9177 Sky Park Ct.				FAX: 858-300-430	1		l/611									4 - 5 Da	y Rush 30	1%
San Diego, CA 92123	3			EMAIL: marisa.swiders	ski@woodplc.co	<u>om</u>	0.0038		ļ						<u></u>	Rush E	xtractions !	50%
				barry.snyder@	woodplc.com), O.(I✓	10 Bus	iness Days	ŝ
PROJECT MANAGER				SAMPLER			er ^{1,2} 0 MC		i								Data Pack	
Marisa Swiderski				Marisa Swiderski (MS) /	Kate Buckley	(KB)	Copp 1164							1	Charges wi	Il apply fo	r weeker	ids/holiday
· ID#	DATE	TIME	SMPL	• •		# OF	ved (Method of S	Shipment		
(For lab Use Only)	SAMPLED	SAMPLED	TYPE	SAMPLE IDENTIFICATION/S	SITE LOCATION	CONT.	Dissol								COMMENT	s		
	12/28/21	9:20	seawate	C-12-W6		1	Х											
	12/28/21	9:00	seawate	C-13-W6		1	Х											
	12/28/21	8:55	seawate	C-REF-1-W6		1	Х						·					
	12/28/21	8:45	seawate	C-REF-2-W6		1	Х											
	12/28/21	8:30	DI	FB-W6		1	Х											
	12/28/21	8:40	DI	N3-ER-W6		1	Х											
	12/28/21	12:10	seawate	E-14-W6		1	Х											
	12/28/21	11:25	seawate	- E-15-W6		1	Х											
	12/28/21	10:20	seawate	E-16-W6		1	Х								extra vol. a	ınalyze s	sample l	vis/MSD
	12/28/21	10:30	seawate	E-16-Dup-W6		1	Х											
	12/28/21	11:00	seawate	E-17-W6		1	Х											
RELINQUISHED B	Υ		DATE	E / TIME	RECEIVED) BY							SAN	IPLE C	ONDITION:			TYPE COD
Maria &	widen	∴	12/2	29/2021 0905	Lee	K	· 5	- >Un	L /	L	-		Actual To	emperat	ure: 3.		AQ=Aqu NA= Nor SL = Slu	n Aqueous
RELINQUISHED B	Y		DATE	E/TIME OO	RECEIVED) BY			- A				Receive			(A)		rinking Wate
Hed;	Shoul			-29-2(70	wh	m	١ã	di	ilu	1100		Preserve Evidence Containe	Seals F	Present	¥ (C)	RW = Ra	Vaste Water ain Water round Wate
RELINQUISHED B			DATE	/ TIME	RECEIVED) BY							Preserve	d at Lab)	Y /N	SO = So	
														10	(3o	V	OL = Oil	
													1	1	-		10T - 04	la a a B 4 a 4 air .

SPECIAL REQUIREMENTS / BILLING INFORMATION

- 1) LAB ACTION: PRESERVE Cu samples IMMEDIATELY. HDPE metals bottles have NO acid (HNO3) in bottle.
- 2) Dissolved metals were field filtered using 0.45 um bottletop filt. system.
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- 4) SPIKE level at the following amounts: Copper = 10 ug/L
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CHAIN OF CUSTODY RECORD

Analytical Laboratory Services - Since 1964

STANDARD

14859 East Clark Avenue: Industry: CA 91745						STANDARD						1020								
Tel 626-336-2139		•			s.com										Page	3	Of	3		
CLIENT NAME:				PROJECT:	***************************************	•				ΑN	ALYS	SES F	REQU	STED			SPEC	IAL HAI	IDLING	
Wood Environment & ADDRESS: 9177 Sky Park Ct. San Diego, CA 9212		e Solutions,	Inc.	PHONE: FAX: EMAIL:	YB IWHC Paus (Port of San 858-300-432 858-300-430 marisa.swiders barry.snyder@	i Diego) 4 1 ski@woodplc.ce		OL 0.0038 pg/L, RL= 0.01						:				24 Hour 48-72 H 4 - 5 Da Rush E	ay Rush 1509 Rush 100% our Rush 759 y Rush 30% dractions 509 iness Days	%
PROJECT MANAGER				SAMPLER		 		ser ^{1,2} to MDL					.					QA/QC	Data Package	9
Marisa Swiderski				Marisa Sv	viderski (MS) /	Kate Buckley	(KB)	Copp A 16									Charges	will apply fo	r weekends	/holidays
ID# (For lab Use Only)	DATE SAMPLED	TIME SAMPLED	SMPL		DENTIFICATION/S	SITE LOCATION	# OF CONT.	Dissolved Method EP									Method o	f Shipment TS		
	12/28/21	9:30		E-18-W6			1	X								T		-		
	12/28/21	9:45		E-19-W6			1	Х						_		1				
	12/28/21	9:10	seawate	E-20-W6			1	Х												
																		•		
RELINQUISHED E	_		DATE	I E / TIME		RECEIVE	D BY				<u> </u>				SAMP	LE C	I ONDITION:		SAMPLE TY	
Marin &	furcery	~	12/	29/202	1 0905	Me	\mathbb{A}	_	54	ردد	لما	_		Actu	ial Tem	peratu	re: 3	id, c	NA= Non A	queous
RELINQUISHED E	W 500	wh	12	TIME TIME	1100	RECEIVED RECEIVED	uvu m	_		í	.19lz	(l'	lo0	Pres Evid Con	eived O served lence Si tainer Ir served a	eals P ntact		× × × × × × × × × × × × × × × × × × ×	DW = Drink WW = Was RW = Rain GW = Grou SO = Soil SW = Solid OL = Oil OT = Other	te Water Water Ind Water Waste

SPECIAL REQUIREMENTS / BILLING INFORMATION

- 1) LAB ACTION: PRESERVE Cu samples IMMEDIATELY. HDPE metals bottles have NO acid (HNO3) in bottle.
- 2) Dissolved metals were field filtered using 0.45 um bottletop filt. system.
- 3) Preserve any extra volume of each sample for dissolved metals to archive.
- 4) SPIKE level at the following amounts: Copper = 10 ug/L
- 5) WECK will contact Wood PM within 24 hours if any sample anomalies are found.

WEEK 7 ANALYTICAL RESULTS



FINAL REPORT

Work Orders: 2A05055 Report Date: 2/17/2022

Received Date: 1/5/2022

Project: SIYB IWHC Pause Pilot (Port of San Diego)

Turnaround Time: Normal

Phones: (858) 300-4324

Fax: (858) 278-5300

P.O. #:

Billing Code:

Attn: Marisa Swiderski

Client: Wood - San Diego

9177 Sky Park Court, Ste A San Diego, CA 92123

ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • LACSD #10143 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Marisa Swiderski,

Enclosed are the results of analyses for samples received 1/05/22 with the Chain-of-Custody document. The samples were received in good condition, at 2.8 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Chris Samatmanakit Project Manager

1: State











FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/17/2022 17:17

Project Manager: Marisa Swiderski

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
C-1-W7	Marisa Swiderski/Kate Buckley	2A05055-01	Sea Water	01/04/22 11:00	
C-2-W7	Marisa Swiderski/Kate Buckley	2A05055-02	Sea Water	01/04/22 10:30	
C-2-Dup-W7	Marisa Swiderski/Kate Buckley	2A05055-03	Sea Water	01/04/22 10:40	
C-3-W7	Marisa Swiderski/Kate Buckley	2A05055-04	Sea Water	01/04/22 10:05	
C-4-W7	Marisa Swiderski/Kate Buckley	2A05055-05	Sea Water	01/04/22 09:30	
C-5-W7	Marisa Swiderski/Kate Buckley	2A05055-06	Sea Water	01/04/22 10:35	
C-6-W7	Marisa Swiderski/Kate Buckley	2A05055-07	Sea Water	01/04/22 10:20	
C-7-W7	Marisa Swiderski/Kate Buckley	2A05055-08	Sea Water	01/04/22 10:10	
C-8-W7	Marisa Swiderski/Kate Buckley	2A05055-09	Sea Water	01/04/22 10:00	
C-9-W7	Marisa Swiderski/Kate Buckley	2A05055-10	Sea Water	01/04/22 09:50	
C-10-W7	Marisa Swiderski/Kate Buckley	2A05055-11	Sea Water	01/04/22 09:25	
C-11-W7	Marisa Swiderski/Kate Buckley	2A05055-12	Sea Water	01/04/22 09:35	
C-12-W7	Marisa Swiderski/Kate Buckley	2A05055-13	Sea Water	01/04/22 09:10	
C-13-W7	Marisa Swiderski/Kate Buckley	2A05055-14	Sea Water	01/04/22 09:00	
C-REF-1-W7	Marisa Swiderski/Kate Buckley	2A05055-15	Sea Water	01/04/22 08:55	
C-REF-2-W7	Marisa Swiderski/Kate Buckley	2A05055-16	Sea Water	01/04/22 08:40	
FB-W7	Marisa Swiderski/Kate Buckley	2A05055-17	Water	01/04/22 08:30	
N8-ER-W7	Marisa Swiderski/Kate Buckley	2A05055-18	Water	01/04/22 08:40	



Sampled: 01/04/22 10:30 by Marisa Swiderski/Kate Buckley

Sampled: 01/04/22 10:05 by Marisa Swiderski/Kate Buckley

FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/17/2022 17:17

Project Manager: Marisa Swiderski

Sa	S
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Sample Results

Sample:	C-1-W7				Sa	mpled: 01/04,	/22 11:00 b _:	y Marisa Swider	ski/Kate Buckley
	2A05055-01 (Sea Water)								
Analyte			Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low	Level by 1600 Series Methods								
Method: EPA	A 1640				Instr: ICPMS03				
Batch ID:	W2B1228	Preparation: _NONE (METALS)			Prepared: 02/1	6/22 17:01			Analyst: ALN
Copper, D	Dissolved		8.3	0.0038	0.010	ug/l	1	02/17/22	



Sample Results

	2A05055-02 (Sea Water)							
Analyte		Resul	t MDL	MRL	Units	Dil	Analyzed	Qualifier
	11 4600 6 1 11 1							

Metals - Low Level by 1600 Series Methods

C-2-W7

Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2B1228	Preparation: _NONE (METALS)		Prepared: 02/1	6/22 17:01			Analyst: ALN
Copper, Dissolved	8.9	0.0038	0.010	ug/l	1	02/17/22	



Sample Results

Sample:	C-2-Dup-W7				Sa	ampled: 01/04,	/22 10:40 b	y Marisa Swiders	ski/Kate Buckley
	2A05055-03 (Sea Water)								
Analyte			Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low L	evel by 1600 Series Methods								
Method: EPA	1640				Instr: ICPMS03				
Batch ID: V	V2B1228	Preparation: _NONE (METALS)			Prepared: 02/1	16/22 17:01			Analyst: ALN
Copper, D	issolved		8.4	0.0038	0.010	ug/l	1	02/17/22	



Sample:

Sample Results

C-3-W7

Analyte	, ,	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
	2A05055-04 (Sea Water)							

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods							
Mothed: FDA 1640			Inches ICDMC02				

Wethou. LFA 1040			IIISU. ICI IVISO.	J			
Batch ID: W2B1228	Preparation: _NONE (METALS)		Prepared: 02/	16/22 17:01			Analyst: ALN
Copper, Dissolved	8.7	0.0038	0.010	ug/l	1	02/17/22	



Sample Results

Sample:	C-4-W7				Sa	ampled: 01/04	l/22 9:30 b	y Marisa Swider	ski/Kate Buckley
	2A05055-05 (Sea Water)								
Analyte			Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low L	evel by 1600 Series Methods								
Method: EPA	1640				Instr: ICPMS03				
Batch ID: W	/2B1228	Preparation: _NONE (METALS)			Prepared: 02/1	6/22 17:01			Analyst: ALN
Copper, Di	ssolved		- 8.7	0.0038	0.010	ug/l	1	02/17/22	

2A05055 Page 3 of 8



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Copper, Dissolved

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Project Manager: Marisa Swiderski

Reported:

02/17/2022 17:17

	ample Results								(Continued
Sample:	C-5-W7				Sa	mpled: 01/04	/22 10:35 b	y Marisa Swide	rski/Kate Buckle
	2A05055-06 (Sea Water)								
Analyte			Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
letals - Low	Level by 1600 Series Methods								
Method: EPA	A 1640				Instr: ICPMS03				
Batch ID:	W2B1228	Preparation: _NONE (METALS)			Prepared: 02/1	6/22 17:01			Analyst: AL
Copper, D	Dissolved		7.7	0.0038	0.010	ug/l	1	02/17/22	
Sa	ample Results								(Continued
Sample:	C-6-W7				Sa	mpled: 01/04	/22 10:20 b	y Marisa Swide	rski/Kate Buckle
	2A05055-07 (Sea Water)								
Analyte			Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
letals - Low	Level by 1600 Series Methods								
Method: EPA	A 1640				Instr: ICPMS03				
Batch ID:	W2B1228	Preparation: _NONE (METALS)			Prepared: 02/1	6/22 17:01			Analyst: AL
Copper, D	Dissolved		7.2	0.0038	0.010	ug/l	1	02/17/22	
Sa	ample Results								(Continue
Sample:	C-7-W7				Sa	mpled: 01/04	/22 10:10 b	y Marisa Swide	rski/Kate Buckl
	2A05055-08 (Sea Water)								
Analyte			Result	MDL	MRL	Units	Dil	Analyzed	Qualif
letals - Low	Level by 1600 Series Methods								
Method: EPA	A 1640				Instr: ICPMS03				
Batch ID:	W2B1228	Preparation: _NONE (METALS)			Prepared: 02/1	6/22 17:01			Analyst: AL
Copper, D	Dissolved		6.5	0.0038	0.010	ug/l	1	02/17/22	
Sa	ample Results								(Continue
Sample:	C-8-W7				Sa	mpled: 01/04	/22 10:00 b	y Marisa Swide	rski/Kate Buckle
	2A05055-09 (Sea Water)								
Analyte			Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
letals - Low	Level by 1600 Series Methods								
Method: EPA	A 1640				Instr: ICPMS03				
Batch ID:	W2B1228	Preparation: _NONE (METALS)			Prepared: 02/1	6/22 17:01			Analyst: AL
Conner D	Dissolved		5.7	0.0038	0.010	ug/l	1	02/17/22	
Copper, L									(Continue
	ample Results								
	c-9-w7				S	ampled: 01/04	4/22 9:50 b	y Marisa Swide	rski/Kate Buckl
Sa	-				Si	ampled: 01/04	4/22 9:50 b	y Marisa Swide	rski/Kate Buckl
Sa	C-9-W7		Result	MDL	S:	ampled: 01/04	4/22 9:50 b	y Marisa Swide Analyzed	
Sample:	C-9-W7		Result	MDL		·			
Sample:	C-9-W7 2A05055-10 (Sea Water) Level by 1600 Series Methods		Result	MDL		Units			
Sample: Analyte Metals - Low	C-9-W7 2A05055-10 (Sea Water) Level by 1600 Series Methods A 1640	Preparation: _NONE (METALS)	Result	MDL	MRL	Units			rski/Kate Buckle Qualifi Analyst: AL

6.6

0.0038

0.010

ug/l

02/17/22



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/17/2022 17:17

Project Manager: Marisa Swiderski

		S

Method: EPA 1640

Batch ID: W2B1228

Copper, Dissolved

Analyst: ALN

02/17/22

Sa	ample Results								(Continued)
Sample:	C-10-W7				9	Sampled: 01/04/	22 9:25 b	y Marisa Swide	rski/Kate Buckley
	2A05055-11 (Sea Water)								
Analyte			Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
/letals - Low	Level by 1600 Series Methods								
Method: EP	A 1640				Instr: ICPMS03	3			
Batch ID:	W2B1228	Preparation: _NONE (METALS)			Prepared: 02/	16/22 17:01			Analyst: ALN
Copper, D	Dissolved		6.4	0.0038	0.010	ug/l	1	02/17/22	
Sa	ample Results								(Continued
Sample:	C-11-W7				9	Sampled: 01/04/	22 9:35 k	y Marisa Swide	rski/Kate Buckley
	2A05055-12 (Sea Water)								
Analyte			Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
/letals - Low	Level by 1600 Series Methods								
Method: EPA	A 1640				Instr: ICPMS03	3			
Batch ID:	W2B1228	Preparation: _NONE (METALS)			Prepared: 02/	16/22 17:01			Analyst: ALN
Copper, E	Dissolved		6.4	0.0038	0.010	ug/l	1	02/17/22	
Sa	ample Results								(Continued
Sample:	C-12-W7				9	Sampled: 01/04/	22 9:10 b	y Marisa Swide	rski/Kate Buckle
	2A05055-13 (Sea Water)								
Analyte			Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
letals - Low	Level by 1600 Series Methods								
Method: EPA	A 1640				Instr: ICPMS03	3			
Batch ID:	W2B1228	Preparation: _NONE (METALS)			Prepared: 02/	16/22 17:01			Analyst: ALN
Copper, D	Dissolved		3.8	0.0038	0.010	ug/l	1	02/17/22	
Sa	ample Results								(Continued
Sample:	C-13-W7				Ş	Sampled: 01/04/	22 9:00 b	y Marisa Swide	rski/Kate Buckle
	2A05055-14 (Sea Water)								
Analyte			Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
/letals - Low	Level by 1600 Series Methods								
Method: EPA	A 1640				Instr: ICPMS03	3			
Batch ID:		Preparation: _NONE (METALS)			Prepared: 02/	16/22 17:01			Analyst: ALN
Copper, E	Dissolved		- 2.3	0.0038	0.010	ug/l	1	02/17/22	
Sa	ample Results								(Continued
Sample:	C-REF-1-W7				S	Sampled: 01/04/	22 8:55 k	y Marisa Swide	rski/Kate Buckle
	2A05055-15 (Sea Water)								
Analyte			Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
/letals - Low	Level by 1600 Series Methods								

2A05055 Page 5 of 8

0.35

0.0038

Preparation: _NONE (METALS)

Instr: ICPMS03

0.010

Prepared: 02/16/22 17:01

ug/l



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Batch ID: W2B1228

Copper, Dissolved

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Prepared: 02/16/22 17:01

0.010

Reported: 02/17/2022 17:17

Project Manager: Marisa Swiderski

	1	/		(
			7	`

(Continued)

Analyst: ALN

02/17/22

(Continued)							Sample Results	
rski/Kate Buckley	y Marisa Swider	/22 8:40 b	ampled: 01/04	Sa			mple: C-REF-2-W7	
							2A05055-16 (Sea Water)	
Qualifie	Analyzed	Dil	Units	MRL	MDL	Result	nalyte	
							ls - Low Level by 1600 Series Methods	
				Instr: ICPMS03			Method: EPA 1640	
Analyst: ALN			6/22 17:01	Prepared: 02/1		ation: _NONE (METALS)	Batch ID: W2B1228	
	02/17/22	1	ug/l	0.010	0.0038	0.32	copper, Dissolved	
(Continued)							Sample Results	
rski/Kate Buckley	y Marisa Swider	/22 8:30 b ₂	ampled: 01/04	Sa			mple: FB-W7	
							2A05055-17 (Water)	
Qualifie	Analyzed	Dil	Units	MRL	MDL	Result	nalyte	
							ls - Low Level by 1600 Series Methods	
				Instr: ICPMS03			thod: EPA 1640	
Analyst: ALN			6/22 17:01	Prepared: 02/1		ation: _NONE (METALS)	atch ID: W2B1228	
	02/17/22	1	ug/l	0.010	0.0038	ND	Copper, Dissolved	
(Continued)							Sample Results	
(Continued	y Marisa Swider	/22 8:40 b	ampled: 01/04	Sa			Sample Results nple: N8-ER-W7	
· ·	y Marisa Swider	/22 8:40 b _.	ampled: 01/04	Sa				
· ·	y Marisa Swider Analyzed	/22 8:40 b <u>y</u>	ampled: 01/04 Units	Sá MRL	MDL	Result	mple: N8-ER-W7	
rski/Kate Buckley	-	·	·			Result	nple: N8-ER-W7 2A05055-18 (Water)	

ND

0.0038

Preparation: _NONE (METALS)



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/17/2022 17:17

Project Manager: Marisa Swiderski

Quality Control Results	S
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Metals - Low Level by 1600 Series Methods											
					Spike	Source		%REC		RPD	
Analyte	Result	MDL	MRL	Units	Level	Result	%REC	Limits	RPD	Limit	Qualifier
Batch: W2B1228 - EPA 1640											
Blank (W2B1228-BLK1)				Prep	ared: 02/16/2	2 Analyzed:	02/17/22	2			
Copper, Dissolved	ND	0.0038	0.010	ug/l							
LCS (W2B1228-BS1)				Prep	ared: 02/16/2	2 Analyzed:	02/17/22	2			
Copper, Dissolved		0.0038	0.010	ug/l	10.0		106	70-130			
Matrix Spike (W2B1228-MS1)	Source: 2	A05055-02		Prep	ared: 02/16/2	2 Analyzed:	02/17/22	2			
Copper, Dissolved	19.4	0.0038	0.010	ug/l	10.0	8.89	105	70-130			
Matrix Spike (W2B1228-MS2)	Source: 2	A05055-16		Prep	ared: 02/16/2	2 Analyzed:	02/17/22	2			
Copper, Dissolved	10.5	0.0038	0.010	ug/l	10.0	0.319	102	70-130			
Matrix Spike Dup (W2B1228-MSD1)	Source: 2	A05055-02		Prep	ared: 02/16/2	2 Analyzed:	02/17/22	2			
Copper, Dissolved		0.0038	0.010	ug/l	10.0	8.89	91	70-130	8	30	
Matrix Spike Dup (W2B1228-MSD2)	Source: 2	A05055-16		Prep	ared: 02/16/2	2 Analyzed:	02/17/22	2			
Copper, Dissolved	10.9	0.0038	0.010	ug/l	10.0	0.319	106	70-130	4	30	



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

02/17/2022 17:17



Item

Notes and Definitions

%REC	Percent Recovery
Dil	Dilution
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Project Manager: Marisa Swiderski

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

2A05055 Page 8 of 8

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Weck Laboratories, Inc. Analytical Laboratory Services - Since 1964

CHAIN OF CUSTODY RECORD

14859 East Clark Avenue: Industry: CA 91745

STANDARD 2405055

14059 East Clark Avenue: Industry: CA 91745										JIND	WILL	ليس و	-211	וויי	ו יון יין					
Tel 626-336-2139 ♦ Fax 626-336-2634 ♦ www.wecklabs.com										Page 1 Of 2									2	
CLIENT NAME:				PROJECT:				ANALYSES REQUESTED									SPECIA	AL HAI	IDLING	j
Wood Environment	& Infrastructur	e Solutions,	Inc.	SIYB IWHC Pause Pilot Study (Port of San Diego)												\rceil	r. r.		ay Rush 1 Rush 100	
ADDRESS:				PHONE: 858-300-4324							·				. .	.		48-72 H	our Rush	75%
9177 Sky Park Ct.				FAX: 858-300-4301					1								Ī	4 - 5 De	y Rush 30	%
San Diego, CA 9212	:3			EMAIL: marisa.swiderski@woodplc.com													Γ	Rush E	ktractions :	50%
					Dwoodplc.com		1,2 0,38 p										Z		iness Days	
PROJECT MANAGER				SAMPLER												┡			Data Pack	-
Marisa Swiderski	T	1	1	Marisa Swiderski (MS)	Rolf Schottle	 	d Copper								ľ					ids/holiday
ID#	DATE	TIME	SMPL	SAMPLE IDENTIFICATION/SITE LOCATION #			olve 164(IV	lethod of S	Shipment:		
(For lab Use Only)	SAMPLED	SAMPLED	TYPE		SITE LOCATION CON		Dissolved EPA 1640 I									C	MMENTS	3		
	01/04/22	11:00	seawater	C-1-W7	1	Х														
01/04/22 10:40 seawate 01/04/22 10:05 seawate 01/04/22 9:30 seawate			seawater	r C-2-Dup-W7 1 r C-3-W7 1			X									ex	tra vol. ε	ınalyze	sample l	MS/MSD
			seawater				Х													
			seawater				Х		Ш						_					
			C-4-W7 1			X		Ш						_						
			seawater				Х								_					
01/04/22 10:20 seawate							Х		Ш							_				
	01/04/22	10:10					Х		\sqcup							_				
				C-8-W7			Х							_	-	4				
	01/04/22	9:50		r C-9-W7		1	X		\sqcup							+				
	01/04/22	9:25		r C-10-W7	1	Х												loanen e		
RELINQUISHED E			1	E / TIME	RECEIVED	BY,											DITION:	^	AQ≔Aqu	TYPE COD
Marine &	wider	ب		7/2022 0900	Mag		l-	-5-22/9:00			<i>-</i>	Actual Temperatur			Z. 800	Λ	NA= Nor SL = Slu	n Aqueous idge		
RELINQUISHED E	3Y		DATE	E / TIME	TIME RECEIVED BY (1					d On Ic	ce		/ ¥ / N		inking Wate
lu l															ed :e Seals er intac		ent	Y (N)	RW ≃ Ra	/aste Water ain Water round Wate
RELINQUISHED BY DATI				E / TIME	RECEIVED	BY						F	reserv	ed at La	ab		YN	SO = So		
Magaly 1-5				5-22/11:30					15/22/11:45										OL = Oil	olid Waste her Matrix
SPECIAL REQUIREM	ENTS / BILLING	INFORMATION	NC	1	/ /									Pinv	oice.U	S@w	oodplc.co	m and ir	nclude th	ie
1) LAB ACTION: PRE	SERVE Cu samı	oles IMMEDIA	ATELY, H	HDPE metals bottles have N	စုံ aeid (HNO3) i	n bottle	9.		follo:	_				ሰጋለ ነ	NECK					
2) Dissolved metals were field filtered using 0.45 um bottletop filt. system.										ojeci O #: N		13100	113.00	VZM.	TEGN	•				
3) Preserve any extra v	olume of each s	ample for dis	solved m	netals to archive.					(3) O											
4) SPIKE level at the fo									(4) G	L: 57	3000									
5) WECK will contact Wood PM within 24 hours if any sample anomalies are found.																				

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Weck Laboratories, Inc. Analytical Laboratory Services - Since 1964

CHAIN OF CUSTODY RECORD

14859 East Clark Avenue: Industry: CA 91745

5) WECK will contact Wood PM within 24 hours if any sample anomalies are found.

43

STANDARD JAOGOST

Tel 626-336-2139	♦ Fax 626	336-2634	♦ www	v.wecklab	s.com								١١٩٨٢	<u> </u>	٠/,	<u>/</u>	Page		2	Of	2
CLIENT NAME:		PROJECT:					ANALYSES REQUEST								SPECIAL HANDLING						
Wood Environment &	Infrastructure	e Solutions,			(Port of Sa			hg/L	ŀ								r r	24	Hour F	y Rush 15 Rush 1009	6
ADDRESS:		PHONE: 858-300-4324				0.01										48-	-72 Hoi	ur Rush 7	5%		
9177 Sky Park Ct.				FAX: 858-300-4301				۾									*****		•	Rush 30%	
San Diego, CA 92123	3			EMAIL:		rski@woodplc.co	<u>om</u>	J/Bri				ı								actions 5	
PROJECT MANAGER				barry.snyder@woodplc.com				038												ess Days	
				SAMPLER		/ Dalf Calantia	/DC\	pper									Ob			ata Packa	<u> </u>
Marisa Swiderski	D. T.	T15.45	CMBI	Marisa St	viderski (MS)	/ Rolf Schottle	(RS) #0F	Ç Q Q									Method o			weekend	ds/holidays
ID# (For lab Use Only)	DATE SAMPLED	TIME SAMPLED	SMPL.					Dissolve EPA 164									COMMEN		ilent.		
	01/04/22	9:35	seawater	C-11-W7		-	1	Х													
	01/04/22	9:10	seawater	C-12-W7			1	Х													
	01/04/22	9:00	-	C-13-W7			1	Х													
	01/04/22	8:55		C-REF-1-			1	Х				_									
	01/04/22	8:40		C-REF-2-	W7		1	Х	\perp			_									
	01/04/22	8:30		FB-W7			1	Х	\perp	_		_		ļ							
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							<u>. </u>				+	\dashv									
			1																		
RELINQUISHED B	Ϋ́		DATE	/ TIME		RECEIVED	BY	•					•	5	SAMPL	LE CO	ONDITION	:			TYPE CODE:
Marisa &	twiden	<i>ب</i> ن		12022	0900	Mag						200	Actua	al Temp	oeratui 72	2.8	1		SL = Sluc	Aqueous Ige	
RELINQUISHED BY DATE				/TIME)						Prese Evide	eivèd Oi erved ence Se ainer In	eals Pr	resent		W/	WW = Wa RW = Ra	nking Water aste Water In Water ound Water		
RELINQUISHED BY DATE				E/TIME RECEIVED BY				- V/5/12 11:					:45		erved a					OL = Oi! OT ≃ Oth	id Waste er Matrix
SPECIAL REQUIREME 1) LAB ACTION: PRES 2) Dissolved metals wer 3) Preserve any extra vo 4) SPIKE level at the fol	ERVE Cu samp re field filtered u olume of each s	oles IMMEDIA sing 0.45 um ample for diss	TELY. H bottletop solved m	filt. system	•	O acid (HNO3) ii	n bottle		fo 1) (2 (3	ollowi Proj !) PO !) Org	ng int	form 2019 N	voices t ation : 5100113				@woodplc	com a	nd inc	lude the	•

WEEK 8 ANALYTICAL RESULTS



FINAL REPORT

Work Orders: 2A12057 Report Date: 2/18/2022

Received Date: 1/12/2022

Turnaround Time: Normal

Phones: (858) 300-4324

Fax: (858) 278-5300

P.O. #:

Billing Code:

Attn: Marisa Swiderski

Client: Wood - San Diego

9177 Sky Park Court, Ste A San Diego, CA 92123

Project: SIYB IWHC Pause Pilot (Port of San Diego)

ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • LACSD #10143 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Marisa Swiderski,

Enclosed are the results of analyses for samples received 1/12/22 with the Chain-of-Custody document. The samples were received in good condition, at 2.6 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Chris Samatmanakit Project Manager

1: State











FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 **Project Number:** SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

02/18/2022 16:18



Case Narrative

Final Report: This is a complete final report. The information in this report applyies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Project Manager: Marisa Swiderski



Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
C-1-W8	Marisa Swiderski/Kate Buckley	2A12057-01	Sea Water	01/11/22 11:35	
C-2-W8	Marisa Swiderski/Kate Buckley	2A12057-02	Sea Water	01/11/22 12:05	
C-3-W8	Marisa Swiderski/Kate Buckley	2A12057-03	Sea Water	01/11/22 11:25	
C-4-W8	Marisa Swiderski/Kate Buckley	2A12057-04	Sea Water	01/11/22 10:40	
C-5-W8	Marisa Swiderski/Kate Buckley	2A12057-05	Sea Water	01/11/22 11:25	
C-6-W8	Marisa Swiderski/Kate Buckley	2A12057-06	Sea Water	01/11/22 09:55	
C-7-W8	Marisa Swiderski/Kate Buckley	2A12057-07	Sea Water	01/11/22 11:00	
C-8-W8	Marisa Swiderski/Kate Buckley	2A12057-08	Sea Water	01/11/22 10:50	
C-9-W8	Marisa Swiderski/Kate Buckley	2A12057-09	Sea Water	01/11/22 10:40	
C-10-W8	Marisa Swiderski/Kate Buckley	2A12057-10	Sea Water	01/11/22 10:05	
C-10-Dup-W8	Marisa Swiderski/Kate Buckley	2A12057-11	Sea Water	01/11/22 10:20	
C-11-W8	Marisa Swiderski/Kate Buckley	2A12057-12	Sea Water	01/11/22 10:30	
C-12-W8	Marisa Swiderski/Kate Buckley	2A12057-13	Sea Water	01/11/22 09:40	
C-13-W8	Marisa Swiderski/Kate Buckley	2A12057-14	Sea Water	01/11/22 09:05	
C-REF-1-W8	Marisa Swiderski/Kate Buckley	2A12057-15	Sea Water	01/11/22 09:05	
C-REF-2-W8	Marisa Swiderski/Kate Buckley	2A12057-16	Sea Water	01/11/22 08:50	
FB-W8	Marisa Swiderski/Kate Buckley	2A12057-17	Water	01/11/22 08:45	
N3-ER-W8	Marisa Swiderski/Kate Buckley	2A12057-18	Water	01/11/22 08:50	
E-14-W8	Marisa Swiderski/Kate Buckley	2A12057-19	Sea Water	01/11/22 11:50	
E-15-W8	Marisa Swiderski/Kate Buckley	2A12057-20	Sea Water	01/11/22 11:05	
E-16-W8	Marisa Swiderski/Kate Buckley	2A12057-21	Sea Water	01/11/22 10:25	
E-17-W8	Marisa Swiderski/Kate Buckley	2A12057-22	Sea Water	01/11/22 11:10	
E-18-W8	Marisa Swiderski/Kate Buckley	2A12057-23	Sea Water	01/11/22 09:35	
E-19-W8	Marisa Swiderski/Kate Buckley	2A12057-24	Sea Water	01/11/22 09:55	
E-20-W8	Marisa Swiderski/Kate Buckley	2A12057-25	Sea Water	01/11/22 09:20	



Sampled: 01/11/22 11:25 by Marisa Swiderski/Kate Buckley

FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/18/2022 16:18

Analyst: ALN

Project Manager: Marisa Swiderski

XX	Sample	Results

Sample:	C-1-W8				Sa	ampled: 01/11	/22 11:35 b	y Marisa Swider	ski/Kate Buckley
	2A12057-01 (Sea Water)								
Analyte			Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low I	Level by 1600 Series Methods								
Method: EPA	A 1640				Instr: ICPMS03				
Batch ID: \	W2B1228	Preparation: _NONE (METALS)			Prepared: 02/1	16/22 17:01			Analyst: ALN
Copper, D	issolved		11	0.0038	0.010	ug/l	1	02/17/22	

Sample Results

Sample:	C-2-W8	Sampled: 01/11/22 12:05 by Marisa Swiderski/Kate Buckley
	2A12057-02 (Sea Water)	

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640		In	str: ICPMS03				

Batch ID: W2B1228 Preparation: _NONE (METALS) Prepared: 02/16/22 17:01 0.0038 0.010 02/17/22 Copper, Dissolved ug/l

	Sa	ample	Results
Samp	le:	C-3-W8	

Metals - Low Level by 1600 Series Methods Method: EPA 1640 Instr: ICPMS03

Batch ID: W2B1291 Prepared: 02/17/22 10:38 Analyst: ALN Preparation: EPA 1640#Preconcentration Copper, Dissolved 0.0038 0.010 02/17/22

Sample Results

C-4-W8 Sampled: 01/11/22 10:40 by Marisa Swiderski/Kate Buckley Sample: 2A12057-04 (Sea Water)

MDL MRL Units Dil Analyzed Qualifier Analyte Result Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W2B1291 Preparation: EPA 1640#Preconcentration Prepared: 02/17/22 10:38 Analyst: ALN 0.0038 02/17/22 Copper, Dissolved ug/l

Sample Results

Sample: C-5-W8 Sampled: 01/11/22 11:25 by Marisa Swiderski/Kate Buckley 2A12057-05 (Sea Water)

MRL Analyzed Qualifier Metals - Low Level by 1600 Series Methods Method: EPA 1640 Instr: ICPMS03 Batch ID: W2B1291 Prepared: 02/17/22 10:38 Analyst: ALN Preparation: EPA 1640#Preconcentration 0.010 02/17/22 Copper, Dissolved 0.0038 ug/l

2A12057 Page 3 of 9



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

2A12057-10 (Sea Water)

Metals - Low Level by 1600 Series Methods

Method: EPA 1640
Batch ID: W2B1291

Copper, Dissolved

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/18/2022 16:18

Project Manager: Marisa Swiderski

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Sa	ample Results							(Continued
Sample:	C-6-W8			Si	ampled: 01/1	1/22 9:55 b	y Marisa Swide	erski/Kate Buckl
	2A12057-06 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualif
etals - Low I	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS03				
Batch ID: \	W2B1291	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	7/22 10:38			Analyst: Al
Copper, D	issolved	8.6	0.0038	0.010	ug/l	1	02/17/22	
Sa	ample Results							(Continue
Sample:	C-7-W8			Sa	mpled: 01/11	/22 11:00 b	y Marisa Swide	erski/Kate Buckl
	2A12057-07 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualif
etals - Low I	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS03				
Batch ID: \	W2B1291	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	7/22 10:38			Analyst: Al
Copper, D	issolved	7.7	0.0038	0.010	ug/l	1	02/17/22	
Sa	ample Results							(Continue
Sample:	C-8-W8			Sa	mpled: 01/11	/22 10:50 b	y Marisa Swide	erski/Kate Buckl
	2A12057-08 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualif
letals - Low I	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS03				
Batch ID: \	W2B1291	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	7/22 10:38			Analyst: Al
Copper, D	issolved	8.4	0.0038	0.010	ug/l	1	02/17/22	
Sa	ample Results							(Continue
Sample:	C-9-W8			Sa	mpled: 01/11	/22 10:40 b	y Marisa Swide	erski/Kate Buckl
	2A12057-09 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualif
letals - Low I	Level by 1600 Series Methods							
Method: EPA	\ 1640			Instr: ICPMS03				
Batch ID: \		Preparation: EPA 1640#Preconcentration		Prepared: 02/1				Analyst: Al
Copper, D	issolved	9.4	0.0038	0.010	ug/l	1	02/17/22	
Sa	ample Results							(Continue
Sample:	C-10-W8			Sa	mpled: 01/11	/22 10:05 b	y Marisa Swide	erski/Kate Buckl

2A12057 Page 4 of 9

8.3

Preparation: EPA 1640#Preconcentration

MDL

0.0038

MRL

Instr: ICPMS03

0.010

Prepared: 02/17/22 10:38

ug/l

Analyzed

02/17/22

Qualifier

Analyst: ALN



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

2A12057-15 (Sea Water)

Metals - Low Level by 1600 Series Methods

Method: EPA 1640
Batch ID: W2B1291

Copper, Dissolved

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/18/2022 16:18

Project Manager: Marisa Swiderski

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Sa	ample Results							(Continued
Sample:	C-10-Dup-W8			Sa	ampled: 01/11	/22 10:20 b	y Marisa Swide	erski/Kate Buckle
	2A12057-11 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
letals - Low	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS03				
Batch ID:	W2B1291	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	17/22 10:38			Analyst: AL
Copper, D	issolved	8.2	0.0038	0.010	ug/l	1	02/17/22	
Sa	ample Results							(Continued
Sample:	C-11-W8			Sa	ampled: 01/11	/22 10:30 b	y Marisa Swide	erski/Kate Buckle
	2A12057-12 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
letals - Low	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS03				
Batch ID:	W2B1291	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	17/22 10:38			Analyst: AL
Copper, D	issolved	7.6	0.0038	0.010	ug/l	1	02/17/22	
Sa	ample Results							(Continued
Sample:	C-12-W8			S	ampled: 01/1	1/22 9:40 b	y Marisa Swide	erski/Kate Buckle
	2A12057-13 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
ietals - Low	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS03				
Batch ID:	W2B1291	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	17/22 10:38			Analyst: AL
Copper, D	issolved	7.2	0.0038	0.010	ug/l	1	02/17/22	
Sa	ample Results							(Continued
Sample:	C-13-W8			S	ampled: 01/1	1/22 9:05 b	y Marisa Swide	erski/Kate Buckle
	2A12057-14 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
letals - Low	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS03				
Batch ID:		Preparation: EPA 1640#Preconcentration		Prepared: 02/1				Analyst: AL
Copper, D	Pissolved	3.1	0.0038	0.010	ug/l	1	02/17/22	
Sa	ample Results							(Continued
Sample:	C-REF-1-W8			S	ampled: 01/1	1/22 9:05 b	y Marisa Swide	erski/Kate Buckle

2A12057 Page 5 of 9

Preparation: EPA 1640#Preconcentration

MDL

0.0038

MRL

Instr: ICPMS03

0.010

Prepared: 02/17/22 10:38

ug/l

Analyzed

02/17/22

Qualifier

Analyst: ALN



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Project Manager: Marisa Swiderski

Reported:

Analyst: ALN

02/17/22

02/18/2022 16:18

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		7	•

Method: EPA 1640

Batch ID: W2B1291

Copper, Dissolved

	ample Results							(Continued
Sample:	C-REF-2-W8			Sa	ampled: 01/11	/22 8:50 b	y Marisa Swide	rski/Kate Buckle
	2A12057-16 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
letals - Low L	Level by 1600 Series Methods							
Method: EPA	\ 1640			Instr: ICPMS03				
Batch ID: V	W2B1291	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	7/22 10:38			Analyst: AL
Copper, Di	issolved	1.5	0.0038	0.010	ug/l	1	02/17/22	
Sa	ample Results							(Continued
Sample:	FB-W8			Sa	ampled: 01/11	/22 8:45 b	y Marisa Swide	rski/Kate Buckle
	2A12057-17 (Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
	Level by 1600 Series Methods						•	
Method: EPA	\ 1640			Instr: ICPMS03				
Batch ID: V	W2B1291	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	7/22 10:38			Analyst: AL
Copper, Di		ND	0.0038	0.010	ug/l	1	02/17/22	, , , ,
Sa	ample Results							(Continue
Sample:	N3-ER-W8			Sa	ampled: 01/11	/22 8:50 b	y Marisa Swide	rski/Kate Buckl
	2A12057-18 (Water)							
Analyte	,	Result	MDL	MRL	Units	Dil	Analyzed	Qualif
/letals - Low L	Level by 1600 Series Methods							
Method: EPA	۸ 1640			Instr: ICPMS03				
Batch ID: V	W2B1291	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	7/22 10:38			Analyst: AL
Conner D	dissolved	0.0048	0.0038	0.010	ug/l	1	02/17/22	-
Sopper, D								
	ample Results							(Continue
	ample Results E-14-W8			Sa	mpled: 01/11,	/22 11:50 b	y Marisa Swide	· ·
Sa	-			Sa	mpled: 01/11,	/22 11:50 b	y Marisa Swide	· .
Sa	E-14-W8	Result	MDL	Sa MR L	mpled: 01/11,	/22 11:50 b	y Marisa Swide Analyzed	rski/Kate Buckl
Sample:	E-14-W8	Result	MDL					rski/Kate Buckl
Sample: Analyte Metals - Low L	E-14-W8 2A12057-19 (Sea Water) Level by 1600 Series Methods	Result	MDL	MRL				rski/Kate Buckl
Sample:	E-14-W8 2A12057-19 (Sea Water) Level by 1600 Series Methods A 1640		MDL		Units			rski/Kate Buckl Qualif
Sample: Analyte Metals - Low L Method: EPA	E-14-W8 2A12057-19 (Sea Water) Level by 1600 Series Methods A 1640 W2B1291	Result Preparation: EPA 1640#Preconcentration 9.8	MDL 0.0038	MRL Instr: ICPMS03	Units			(Continued rski/Kate Buckle Qualifi Analyst: ALI
Sample: Analyte Metals - Low L Method: EPA Batch ID: V Copper, Di	E-14-W8 2A12057-19 (Sea Water) Level by 1600 Series Methods A 1640 W2B1291	Preparation: EPA 1640#Preconcentration		MRL Instr: ICPMS03 Prepared: 02/1	Units 7/22 10:38	Dil	Analyzed	rski/Kate Buckle Qualifi Analyst: AL
Sample: Analyte Metals - Low L Method: EPA Batch ID: V Copper, Di	E-14-W8 2A12057-19 (Sea Water) Level by 1600 Series Methods A 1640 W2B1291 Dissolved	Preparation: EPA 1640#Preconcentration		MRL Instr: ICPMS03 Prepared: 02/1 0.010	Units 7/22 10:38 ug/l	Dil	Analyzed 02/17/22	rski/Kate Buckle Qualifi
Sample: Analyte Metals - Low L Method: EPA Batch ID: V Copper, Di	E-14-W8 2A12057-19 (Sea Water) Level by 1600 Series Methods A 1640 W2B1291 Dissolved Ample Results	Preparation: EPA 1640#Preconcentration		MRL Instr: ICPMS03 Prepared: 02/1 0.010	Units 7/22 10:38 ug/l	Dil	Analyzed 02/17/22	rski/Kate Buckl Qualifi Analyst: AL (Continued
Sample: Analyte Metals - Low L Method: EPA Batch ID: V Copper, Di	E-14-W8 2A12057-19 (Sea Water) Level by 1600 Series Methods A 1640 W2B1291 Dissolved Emple Results E-15-W8	Preparation: EPA 1640#Preconcentration		MRL Instr: ICPMS03 Prepared: 02/1 0.010	Units 7/22 10:38 ug/l	Dil	Analyzed 02/17/22	rski/Kate Buckl Qualifi Analyst: AL (Continued

0.0038

Preparation: EPA 1640#Preconcentration

Instr: ICPMS03

0.010

Prepared: 02/17/22 10:38

ug/l



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Batch ID: W2B1292

Copper, Dissolved

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Project Manager: Marisa Swiderski

Reported: 02/18/2022 16:18

Analyst: ALN

02/17/22

02/10/202

Cor								
Sai	mple Results							(Continued
ample:	E-16-W8			Sa	ampled: 01/11,	/22 10:25 b	y Marisa Swide	rski/Kate Buckle
	2A12057-21 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
tals - Low Le	vel by 1600 Series Methods							
lethod: EPA 1	1640			Instr: ICPMS03				
Batch ID: W2	2B1291	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	17/22 10:38			Analyst: AL
Copper, Dis	solved	8.9	0.0038	0.010	ug/l	1	02/17/22	
Sar	mple Results							(Continue
ample:	E-17-W8			Sa	ampled: 01/11,	/22 11:10 b	y Marisa Swide	rski/Kate Buckl
	2A12057-22 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualif
tals - Low Le	vel by 1600 Series Methods							
lethod: EPA 1	1640			Instr: ICPMS03				
Batch ID: W2	2B1291	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	17/22 10:38			Analyst: AL
Copper, Dis	solved	9.0	0.0038	0.010	ug/l	1	02/17/22	
Sar	mple Results							(Continue
ample:	E-18-W8			Si	ampled: 01/11	/22 9:35 b	y Marisa Swide	rski/Kate Buckl
	2A12057-23 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualif
tals - Low Le	vel by 1600 Series Methods							
lethod: EPA 1	1640			Instr: ICPMS03				
Batch ID: W2	2B1292	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	17/22 10:40			Analyst: AL
Copper, Dis	solved	9.0	0.0038	0.010	ug/l	1	02/17/22	
Sar	mala Basulta							
Jour	mple Results							(Continue
ample:	E-19-W8			Sa	ampled: 01/11	/22 9:55 b	y Marisa Swide	`
1 / Alla	-			Si	ampled: 01/11	/22 9:55 b	y Marisa Swide	`
1 / Alla	E-19-W8	Result	MDL	Sá MRL	ampled: 01/11 Units	/22 9:55 b	y Marisa Swide Analyzed	(Continued rski/Kate Buckle Qualifi
ample:	E-19-W8	Result	MDL					rski/Kate Buckl
ample:	E-19-W8 2A12057-24 (Sea Water) vel by 1600 Series Methods	Result	MDL		Units			rski/Kate Buckl
ample: Analyte tals - Low Le	E-19-W8 2A12057-24 (Sea Water) vel by 1600 Series Methods	Result Preparation: EPA 1640#Preconcentration	MDL	MRL	Units			rski/Kate Buckl Qualif
Analyte tals - Low Letellethod: EPA 1	E-19-W8 2A12057-24 (Sea Water) vel by 1600 Series Methods 1640 2B1292		MDL 0.0038	MRL Instr: ICPMS03	Units			rski/Kate Buckl
Analyte tals - Low Let lethod: EPA 1 Batch ID: WZ	E-19-W8 2A12057-24 (Sea Water) vel by 1600 Series Methods 1640 2B1292	Preparation: EPA 1640#Preconcentration		MRL Instr: ICPMS03 Prepared: 02/1	Units	Dil	Analyzed	rski/Kate Buckl Qualif Analyst: AL
Analyte tals - Low Let lethod: EPA 1 Batch ID: WZ	E-19-W8 2A12057-24 (Sea Water) vel by 1600 Series Methods 1640 2B1292 solved	Preparation: EPA 1640#Preconcentration		MRL Instr: ICPMS03 Prepared: 02/1 0.010	Units 17/22 10:40 ug/l	Dil	Analyzed	rski/Kate Buckl Qualif Analyst: AL (Continued
Analyte tals - Low Let lethod: EPA 1 Batch ID: W2 Copper, Dis	E-19-W8 2A12057-24 (Sea Water) vel by 1600 Series Methods 1640 2B1292 solved mple Results	Preparation: EPA 1640#Preconcentration		MRL Instr: ICPMS03 Prepared: 02/1 0.010	Units 17/22 10:40 ug/l	Dil	Analyzed 02/17/22	rski/Kate Buckl Qualif Analyst: AL (Continued
Analyte tals - Low Let lethod: EPA 1 Batch ID: W2 Copper, Dis	E-19-W8 2A12057-24 (Sea Water) vel by 1600 Series Methods 1640 2B1292 solved mple Results E-20-W8	Preparation: EPA 1640#Preconcentration		MRL Instr: ICPMS03 Prepared: 02/1 0.010	Units 17/22 10:40 ug/l	Dil	Analyzed 02/17/22	rski/Kate Bucklo Qualifi Analyst: AL (Continued
Analyte tals - Low Let lethod: EPA 1 Batch ID: Wa Copper, Dis Sar ample:	E-19-W8 2A12057-24 (Sea Water) vel by 1600 Series Methods 1640 2B1292 solved mple Results E-20-W8	Preparation: EPA 1640#Preconcentration 8.0	0.0038	MRL Instr: ICPMS03 Prepared: 02/1 0.010	Units 17/22 10:40 ug/l ampled: 01/11	1 /22 9:20 b	Analyzed 02/17/22 y Marisa Swide	Qualif Analyst: AL (Continue

2A12057 Page 7 of 9

0.0038

Prepared: 02/17/22 10:40

ug/l

0.010

Preparation: EPA 1640#Preconcentration



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

02/18/2022 16:18 Project Manager: Marisa Swiderski



Quality Control Results

Quality Control Results											
Metals - Low Level by 1600 Series Methods											
Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifie
Batch: W2B1228 - EPA 1640	1100411	2			2010.	resure					
Plank (M2P1229 PLV1)				Droi	aarad: 02/16/22	Analyzadi	02/17/22	,			
Blank (W2B1228-BLK1) Copper, Dissolved	ND	0.0038	0.010	ug/l	pared: 02/16/22	Analyzeu:	02/11/22	1			
				_	1 00 46 00		00/47/00				
LCS (W2B1228-BS1) Copper, Dissolved	10.6	0.0038	0.010	ug/l	pared: 02/16/22 10.0	Analyzed:		70-130			
Matrix Spike (W2B1228-MS1) Copper, Dissolved		A05055-02	0.010	Pre _l ug/l	pared: 02/16/22 10.0	Analyzed: 8.89	02/17/22 105	70-130			
Copper, Dissolved	13.4	0.0000	0.010	ug/i	10.0	0.03	100	70-130			
Matrix Spike (W2B1228-MS2)		A05055-16	0.040		pared: 02/16/22	-					
Copper, Dissolved	10.5	0.0038	0.010	ug/l	10.0	0.319	102	70-130			
Matrix Spike Dup (W2B1228-MSD1)		A05055-02			pared: 02/16/22						
Copper, Dissolved	18.0	0.0038	0.010	ug/l	10.0	8.89	91	70-130	8	30	
Matrix Spike Dup (W2B1228-MSD2)	Source: 2	A05055-16		Prej	pared: 02/16/22	Analyzed:	02/17/22	2			
Copper, Dissolved	10.9	0.0038	0.010	ug/l	10.0	0.319	106	70-130	4	30	
Batch: W2B1291 - EPA 1640											
Blank (W2B1291-BLK1)					Prepared & Ana	alvzed: 02/	17/22				
Copper, Dissolved	ND	0.0038	0.010	ug/l	. repuied of run	y_ca v_,	,				
LCS (W2B1291-BS1)					Prepared & Ana	alvzod: 02/	17/22				
Copper, Dissolved	9.16	0.0038	0.010	ug/l	10.0	aiyzeu. 02/	92	70-130			
Marking Caller (MODISON MCA)	C 2	A 4 2 0 F 7 . 0 2			D		17/22				
Matrix Spike (W2B1291-MS1) Copper, Dissolved		A12057-03 0.0038	0.010	ug/l	Prepared & Ana 10.0	10.1	93	70-130			
				Ü							
Matrix Spike (W2B1291-MS2) Copper, Dissolved		A12057-10	0.010	ug/l	Prepared & Ana 10.0	8.35	1 7/22 95	70-130			
Copper, Biocorroa	17.0	0.0000	0.010	agn	10.0	0.00	00	70 100			
Matrix Spike Dup (W2B1291-MSD1) Copper, Dissolved		A12057-03	0.010	ua/l	Prepared & Ana 10.0	•	17/22 93	70 120	0.2	20	
Copper, Dissolved	19.4	0.0036	0.010	ug/l	10.0	10.1	93	70-130	0.2	30	
Matrix Spike Dup (W2B1291-MSD2)		A12057-10			Prepared & Ana	•					
Copper, Dissolved	17.6	0.0038	0.010	ug/l	10.0	8.35	92	70-130	2	30	
Batch: W2B1292 - EPA 1640											
Blank (W2B1292-BLK1)					Prepared & Ana	alyzed: 02/	17/22				
Copper, Dissolved	ND	0.0038	0.010	ug/l	•	•					
LCS (W2B1292-BS1)					Prepared & Ana	alvzed: 02/	17/22				
Copper, Dissolved	9.18	0.0038	0.010	ug/l	10.0	y_ca v_,	92	70-130			
Matrix Spike (W2B1292-MS1)	Source: 2	A20035-01			Prepared & Ana	alvzed- 02 /	17/22				
Copper, Dissolved		0.0038	0.010	ug/l	10.0	12.2	106	70-130			
Matrix Cuiles (MADRADO2 NACC)	Sa	A 2002 F 02		-	Duomane d O. A.	alamada 02 f	17/22				
Matrix Spike (W2B1292-MS2) Copper, Dissolved		A20035-02 0.0038	0.010	ug/l	Prepared & Ana 10.0	12.9	91	70-130			
				J.							
Matrix Spike Dup (W2B1292-MSD1) Copper, Dissolved		A20035-01 0.0038	0.010	ug/l	Prepared & Ana 10.0	alyzed: 02/ 12.2	1 7/22 95	70-130	5	30	
Soppoi, Dissolved		3.0000	0.010	ug/i	10.0	12.2	33	70-100	5	00	
Matrix Spike Dup (W2B1292-MSD2)		A20035-02	0.040	"	Prepared & Ana	-		70.400	4	20	
Copper, Dissolved	22.3	0.0038	0.010	ug/l	10.0	12.9	94	70-130	1	30	



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Project Manager: Marisa Swiderski

Reported:

02/18/2022 16:18



Item

Notes and Definitions

J	Estimated conc. detected <mrl and="">MDL.</mrl>
%REC	Percent Recovery
Dil	Dilution
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

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CHAIN OF CUSTODY RECORD

14850 East Clark Avenue - Industry - CA 91745

3) Preserve any extra volume of each sample for dissolved metals to archive.

5) WECK will contact Wood PM within 24 hours if any sample anomalies are found.

4) SPIKE level at the following amounts: Copper = 10 ug/L

Analytical Laboratory Services - Since 1964

STANDARD

(3) Org: 3151

(4) GL: 573000

7 A12057

14009 East Clark		•				:			•		₩ , 11 \ I	-			_	,	~ .	_
Tel 626-336-2139	◆ Fax 626-	-336-2634	♦ www			·									Page		Of	3
CLIENT NAME:				PROJECT:		:			F	NALY	/SES	REQUES	TED		_ SPE€	CIAL HA	NDLING	ì
Wood Environment 8	Infrastructure	e Solutions,	lnc.	SIY	B IWHC Paus' (Port of Sar	-		-= 0.01									Day Rush 1 ır Rush 100	
ADDRESS:				PHONE:	858-300-432	24		교	ŀ							48-72	Hour Rush	75%
9177 Sky Park Ct.				FAX:	858-300-430)1		/Bri							1	4 - 5 D	ay Rush 30	%
San Diego, CA 9212	3			EMAIL:	marisa.swider:	ski@woodplc.co	<u>m</u>	0038							Γ-	Rush E	extractions s	50%
U ,					barry.snyder@	woodplc.com		DL 9.							V	10 Bu	siness Days	;
PROJECT MANAGER				SAMPLER 🔭			2er ^{1,2}							J	QA/Q0	Data Pack	age	
Marisa Swiderski				Marisa Swiderski (MS) / Kate Buckley (KB)			Copi A 16							Charges	will apply t	or weeken	ds/holidays	
ID#	DATE	TIME	SMPL				# OF	lved d EP							Method o	f Shipmen	t:	
(For lab Use Only)	SAMPLED	SAMPLED	TYPE	SAMPLE ID	DENTIFICATION/S	SITE LOCATION :	CONT.	Disso							COMMEN	ITS		
	01/11/22	11:35	seawater	C-1-W8			1	Χ.										
	01/11/22	12:05	seawater	C-2-W8			1	Х										
	01/11/22	11:25	seawater	C-3-W8			1	Х										
	01/11/22	10:40		C-4-W8		· .	1	Х										
	01/11/22	11:25		C-5-W8			1	X										
	01/11/22	9:55		C-6-W8	•		1	Х										
A	01/11/22	11:00		C-7-W8			1	Х					<u></u>					
	01/11/22	10:50		C-8-W8			1	X										
	01/11/22	10:40		C-9-W8			1	Х					<u> </u>				1 . 5	40 (140 F)
	01/11/22	10:05		C-10-W8	1410		1	X				 			extra voi	. analyze	sample l	MS/MSD
	01/11/22	10:20		C-10-Dup	-vv8	Inches (en	1	Х					 				EAMDIE	TYPE CODE:
RELINQUISHED B		نہ		TIME 2 / 2.0 2.5	2 0900	REGEIVED) X		- Gu	<i>.</i> 1.	as			AMPLE C I Temperat	ONDITION: ure: 2. (1	AQ=Aqu NA= Nor	eous Aqueous
						DECEME			59 CA	<u>- (//</u>	7	IDE	٠	und On Ion		A) IN	SL = Slu	dge Inking Water
RELINQUISHED B	Sanch			7TIME 12-2	1105	RECEIVED) BA	ĺ	[[[E]	2 6	(105	Prese Evide	ved On Ice rved nce Seals I iner Intact	Present	(A) (A) (A) (A) (A) (A) (A)	/ RW = Ra	/aste Water ain Water round Water
RELINQUISHED B			DATE	/ TIME		RECEIVED	BY						Prese	rved at Lab)	Y 16		
													1	-073	14		OL = Oil	olid Waste ner Matrix
SPECIAL REQUIREME	NTS / BILLING	INFORMATION	NC										o APIn	voice.US	@woodplc	.com and	include th	ie
1) LAB ACTION: PRES	SERVE Cu samı	ples IMMEDIA	TELY. F	HDPE metals	bottles have NO	O acid (HNO3) ii	n bottle	·.			-	mation :	0000	MECK				
2) Dissolved metals we	re field filtered u	ısing 0.45 um	bottletor	o filt. system.					,	Project PO #:		15100113	.0002A	.vveck				

VVIIL		A	/	1	
	1	/ \	/ .	Ш	

5) WECK will contact Wood PM within 24 hours if any sample anomalies are found.

Weck Laboratories, Inc. Analytical Laboratory Services - Since 1964

CHAIN OF CUSTODY RECORD

ZA17057

14859 East Clark /	Avenue: Ind	ustry : CA	191/45)				SIAN	DAKL	,		W	0-01		
Tel 626-336-2139	◆ Fax 626-	336-2634	♦ wwv	v.wecklabs.com									<u>Page</u>	2	Of 3
CLIENT NAME:	`		·	PROJECT:				ANAL	YSES F	REQUES	TED		SPEC	IAL HAN	IDLING
187	0	- Onlutions	مما	SIYB IWHC Pau	1		0.01						r-m hem		ay Rush 150% Rush 100%
Wood Environment & ADDRESS:	& Intrastructure	e Solutions,	inc.	(Port of Sal			RL= 0.01						ş		
				PHONE: 858-300-432	1		gl.,						green !		our Rush 75%
9177 Sky Park Ct.				FAX: 858-300-4301 SEMAIL: marisa.swiderski@woodplc.com									} 5-4464		y Rush 30%
San Diego, CA 9212	!3			EMAIL: marisa.swiderski@woodplc.com								ļ ļ		dractions 50%	
				EMAIL: marisa.swiderski@woodplc.com barry.snyder@woodplc.com SAMPLER Marisa Swiderski (MS) / Kate Buckley (KB)								V		ness Days	
PROJECT MANAGER				SAMPLER		(((7))	640 640						01		Data Package
Marisa Swiderski				Marisa Swiderski (MS)	/ Kate Buckley		PA 1								r weekends/holidays
ID# (For lab Use Only)	DATE SAMPLED	TIME SAMPLED	SMPL	SAMPLE IDENTIFICATION/	SITE LOCATION	# OF CONT.	Dissolve Method E						COMMEN	Shipment TS	
	01/11/22	10:30	seawater	C-11-W8		1	Х								
	01/11/22	9:40	seawater	C-12-W8		1	Х								
1	01/11/22	9:05	seawater	C-13-W8		1	Х								
	01/11/22	9:05	seawater	C-REF-1-W8		1	Х								
	01/11/22	8:50	seawater	C-REF-2-W8		1	Х								
	01/11/22	8:45	DI	FB-W8		1	Х								
	01/11/22	8:50		N3-ER-W8		1	Х				\bot				
	01/11/22	11:50		E-14-W8		1	Х				+				
	01/11/22	11:05		E-15-W8		1	Х								
<u>'</u>	01/11/22	10:25		E-16-W8		1	Х		_		-				
	01/11/22	11:10		E-17-W8	Toroni (re	1	X				-				SAMPLE TYPE CODE
RELINQUISHED E		∕~`		E/TIME 2/2022 0900	RECEIVED	X :	rS	- > an	~ \n	_			condition:		AQ¤Aqueous NA¤ Non Aqueous
RELINQUISHED E				TIME 105	REPRIVE		, ,	Irlr	10	05		ved On Id	сө	Ø/ N	SL = Sludge DW = Drinking Water WW ⊨ Waste Water
				n-ir	HOR				(Idea (10)			Evidence Seals Present Y / (1) RW =			RW = Rain Water GW = Ground Water
				/ TIME	RECEIVED	BY					Prese	rved at L	ab	YO	SO ≃ Soil SW = Solid Waste
			İ							p 02	- 1		OL = Oil OT = Other Matrix		
SPĘCIAL REQUIREMI	ENTS / BILLING								o APIn	voice.U	S@woodplc.	com and i	nclude the		
1) LAB ACTION: PRE	SERVE Cu samı	oles IMMEDIA	TELY, F	IDPE metals bottles have N	IO acid (HNO3) i	n bottle	١.			nation : 15100113	00024	WECK			
2) Dissolved metals we	ere field filtered u	sing 0.45 um	bottletop	filt. system.				(2) PO		15100113	,,VVUZP	VECK			
	Preserve any extra volume of each sample for dissolved metals to archive.						(3) Org: 3151								
4) SPIKE level at the fo	SPIKE level at the following amounts: Copper = 10 ug/L.							(4) GL:	573000						

W	A		1	
A	/1	/	П	
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-		TTT	-	

Analytical Laboratory Services - Since 1964

CHAIN OF CUSTODY RECORD

5) WECK will contact Wood PM within 24 hours if any sample anomalies are found.

2A17057

14859 East Clark									S	TAN	DAR	D			/11 - 2	,	
Tel 626-336-2139	◆ Fax 626	-336-2634	♦ wwv	v.wecklab	s.com										Page		<u>Of 3</u>
CLIENT NAME:				PROJECT	:					4NAL	YSES	REQUE	STED		SPEC	IAL HAI	NDLING
Wood Environment	& Infrastructur	e Solutions,	inc.	SI	YB IWHC Paus (Port of Sar	,		RL= 0.01							l		0ay Rush 150% r Rush 100%
ADDRESS:				PHONE:	858-300-432	.4		ř.							F**	48-72 H	lour Rush 75%
9177 Sky Park Ct.				FAX:	858-300-430	11		Đi c							14440	4 - 5 Da	ıy Rush 30%
San Diego, CA 9212	23			EMAIL:	marisa.swider	ski@woodplc.co	<u>m</u>	.0038							l	Rush E	xtractions 50%
				barry.snyder@woodplc.com			² IDL 0							V	10 Bus	iness Days	
PROJECT MANAGER				SAMPLER			per ¹			Ì				ľ	QA/QC	Data Package	
Marisa Swiderski				Marisa Swiderski (MS) / Kate Buckley (KB)			Cop PA 16									or weekends/holidays	
ID# (For lab Use Only)	DATE SAMPLED	TIME SAMPLED	SMPL	SAMPLE	DENTIFICATION/S	SITE LOCATION	# OF CONT.	Dissolved (Method EP/							Method o	f Shipment ITS	
	01/11/22	9:35		E-18-W8			1	X					+	+ +			· - ː····
	01/11/22	9:55		E-19-W8			1	X			1	 	1				
	01/11/22	9:20		E-20-W8			1	Х									
										_	_	 					
								-		+	+	 	-	-			······································
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4, 14								-				 	-	\vdash			
<u> </u>			1					1					+		<u> </u>		
RELINQUISHED E	ЗΥ		DATE	/ TIME	-	REÇEÎVED	ВΥ	-			(· ·····	1	SAMPLE	CONDITION		SAMPLE TYPE CODE: AQ∺Aqueous
Marin.	Aurice	m'			220900	La	()	W .	Sц	N	/ -	**	Actua	al Tempe	rature: 7.6 °	-	NA= Non Aqueous SL = Sludge
RELINQUISHED E	•	ch	DATE	TIME	1105	RECEIVED	BY		1/	17/2	, 7	1195	Prese	eived On erved ence Sea ainer Inta	ls Present	8, z * 8	DW = Drinking Water WW = Waste Water RW = Rain Water GW = Ground Water
RELINQUISHED E		-	DATE	/ TÎME		RECEIVED	BY		·					erved at (4	Y /(G)/	SO = Soil SW = Solid Waste OL = Oil OT = Other Matrix
SPECIAL REQUIREM	ENTS / BILLING	INFORMATI	ON			-1		-							JS@woodplc.	com and i	
1) LAB ACTION: PRE 2) Dissolved metals we 3) Preserve any extra v	ere field filtered u volume of each s	using 0.45 um sample for dis	bottletop solved m	o filt. system	ı .	O acid (HNO3) ir	n bottle	Э.	1) (2 (3	Project) PO #) Org:	ct #: 20 : N/A 3151	mation : 01510011	3.0002	A.WEC	ζ		
4) SPIKE level at the fo	illowing amount	s: Conner = 1	0 ua/L						14) GL: 5	73000						

WEEK 9 ANALYTICAL RESULTS



FINAL REPORT

Work Orders: 2A20035 Report Date: 2/22/2022

Received Date: 1/20/2022

Turnaround Time: Normal

Phones: (858) 300-4324

Fax: (858) 278-5300

P.O. #:

Billing Code:

Attn: Marisa Swiderski

Client: Wood - San Diego

9177 Sky Park Court, Ste A San Diego, CA 92123

Project: SIYB IWHC Pause Pilot (Port of San Diego)

ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • LACSD #10143 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Marisa Swiderski,

Enclosed are the results of analyses for samples received 1/20/22 with the Chain-of-Custody document. The samples were received in good condition, at 3.2 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Chris Samatmanakit Project Manager

1: State









2A20035 Page 1 of 8



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 **Project Number:** SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/22/2022 16:49

Project Manager: Marisa Swiderski



Case Narrative

Final Report: This is a complete final report. The information in this report applyies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.



Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
C-1-W9	Marisa Swiderski/Kate Buckley	2A20035-01	Sea Water	01/19/22 10:45	
C-1-Dup-W9	Marisa Swiderski/Kate Buckley	2A20035-02	Sea Water	01/19/22 11:05	
C-2-W9	Marisa Swiderski/Kate Buckley	2A20035-03	Sea Water	01/19/22 10:55	
C-3-W9	Marisa Swiderski/Kate Buckley	2A20035-04	Sea Water	01/19/22 10:30	
C-4-W9	Marisa Swiderski/Kate Buckley	2A20035-05	Sea Water	01/19/22 10:00	
C-5-W9	Marisa Swiderski/Kate Buckley	2A20035-06	Sea Water	01/19/22 10:30	
C-6-W9	Marisa Swiderski/Kate Buckley	2A20035-07	Sea Water	01/19/22 09:30	
C-7-W9	Marisa Swiderski/Kate Buckley	2A20035-08	Sea Water	01/19/22 10:20	
C-8-W9	Marisa Swiderski/Kate Buckley	2A20035-09	Sea Water	01/19/22 10:00	
C-9-W9	Marisa Swiderski/Kate Buckley	2A20035-10	Sea Water	01/19/22 09:50	
C-10-W9	Marisa Swiderski/Kate Buckley	2A20035-11	Sea Water	01/19/22 09:30	
C-11-W9	Marisa Swiderski/Kate Buckley	2A20035-12	Sea Water	01/19/22 09:40	
C-12-W9	Marisa Swiderski/Kate Buckley	2A20035-13	Sea Water	01/19/22 09:20	
C-13-W9	Marisa Swiderski/Kate Buckley	2A20035-14	Sea Water	01/19/22 09:00	
C-REF-1-W9	Marisa Swiderski/Kate Buckley	2A20035-15	Sea Water	01/19/22 09:05	
C-REF-2-W9	Marisa Swiderski/Kate Buckley	2A20035-16	Sea Water	01/19/22 08:45	
FB-W9	Marisa Swiderski/Kate Buckley	2A20035-17	Water	01/19/22 08:30	
N8-ER-W9	Marisa Swiderski/Kate Buckley	2A20035-18	Water	01/19/22 08:40	

2A20035 Page 2 of 8



Sampled: 01/19/22 11:05 by Marisa Swiderski/Kate Buckley

FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/22/2022 16:49

Project Manager: Marisa Swiderski

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Sample Results

Sample:	C-1-W9			Sa	ampled: 01/19,	/22 10:45 b	y Marisa Swider	ski/Kate Buckley
	2A20035-01 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low L	evel by 1600 Series Methods							
Method: EPA	1640			Instr: ICPMS03	}			
Batch ID: V	V2B1292	Preparation: EPA 1640#Preconcentration	ı	Prepared: 02/1	17/22 10:40			Analyst: ALN
Copper, Di	issolved	12	0.0038	0.010	ug/l	1	02/17/22	



Sample Results

C-1-Dup-W9

2A20035-02 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods							

Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2B1292	Preparation: EPA 1640#Preconcentration	Prepared: 02/17/22 10:40				Analyst: ALN	
Copper, Dissolved	13	0.0038	0.010	ug/l	1	02/17/22	



Sample Results

	Sample:	C-2-W9				San	npled: 01/19	/22 10:55 by	/ Marisa Swiders	ski/Kate Buckley
		2A20035-03 (Sea Water)								
	Analyte		Resi	ult	MDL	MRL	Units	Dil	Analyzed	Qualifier
ı	Metals - Low Le	evel by 1600 Series Methods								
	Method: EPA	1640				Instr: ICPMS03				
	Batch ID: W	/2B1292	Preparation: EPA 1640#Preconcentrate	tion		Prepared: 02/17	/22 10:40			Analyst: ALN
	Copper, Dis	ssolved		15	0.0038	0.010	ug/l	1	02/17/22	



Sample Results

2A20035-04 (Sea Water)	
2A20035-04 (Sea Water)	

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods							

Method: EPA 1640			Instr: ICPMS03	3			
Batch ID: W2B1292	Preparation: EPA 1640#Preconcentration		Prepared: 02/	17/22 10:40			Analyst: ALN
Copper, Dissolved		0.0038	0.010	ug/l	1	02/17/22	



Sample Results

Sample:	C-4-W9			Sa	ampled: 01/19,	/22 10:00 b	y Marisa Swider	ski/Kate Buckley
	2A20035-05 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low L	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS03				
Batch ID: \	W2B1292	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	17/22 10:40			Analyst: ALN
Copper, D	issolved		0.0038	0.010	ug/l	1	02/17/22	

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FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

2A20035-10 (Sea Water)

Metals - Low Level by 1600 Series Methods

Method: EPA 1640
Batch ID: W2B1292

Copper, Dissolved

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/22/2022 16:49

Project Manager: Marisa Swiderski

San Diego, CA 92123	Project Manager:	Marisa S	widerski				
Sample Results							(Continued
Sample: C-5-W9			Sa	mpled: 01/19	/22 10:30 b	y Marisa Swide	rski/Kate Buckle
2A20035-06 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualif
etals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2B1292	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	7/22 10:40			Analyst: Al
Copper, Dissolved	9.7	0.0038	0.010	ug/l	1	02/17/22	
Sample Results							(Continue
Sample: C-6-W9			Sa	ampled: 01/19	9/22 9:30 b	y Marisa Swide	rski/Kate Buckl
2A20035-07 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualif
etals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2B1292	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	7/22 10:40			Analyst: A
Copper, Dissolved	9.7	0.0038	0.010	ug/l	1	02/18/22	
Sample Results							(Continue
Sample: C-7-W9			Sa	mpled: 01/19	/22 10:20 b	y Marisa Swide	rski/Kate Buckl
2A20035-08 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualif
letals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2B1292	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	7/22 10:40			Analyst: Al
Copper, Dissolved	9.7	0.0038	0.010	ug/l	1	02/18/22	
Sample Results							(Continue
Sample: C-8-W9			Sa	mpled: 01/19	/22 10:00 b	y Marisa Swide	rski/Kate Buck
2A20035-09 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Quali
etals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2B1292	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	7/22 10:40			Analyst: A
Copper, Dissolved	11	0.0038	0.010	ug/l	1	02/18/22	
Sample Results							(Continue

2A20035 Page 4 of 8

Preparation: EPA 1640#Preconcentration

MDL

0.0038

MRL

Instr: ICPMS03

0.010

Prepared: 02/17/22 10:40

ug/l

Analyzed

02/18/22

Qualifier

Analyst: ALN



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Analyte

Method: EPA 1640
Batch ID: W2B1292

Copper, Dissolved

Metals - Low Level by 1600 Series Methods

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/22/2022 16:49

Project Manager: Marisa Swiderski

San Diego, CA 92123	Project Manager:	Marisa S	widerski				
Sample Results							(Continued
Sample: C-10-W9			S	ampled: 01/19	9/22 9:30 b	y Marisa Swide	rski/Kate Buckle
2A20035-11 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2B1292	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	17/22 10:40			Analyst: ALN
Copper, Dissolved	10	0.0038	0.010	ug/l	1	02/18/22	
Sample Results							(Continued
Sample: C-11-W9			S	ampled: 01/19	9/22 9:40 b	y Marisa Swide	rski/Kate Buckley
2A20035-12 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2B1292	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	17/22 10:40			Analyst: ALN
Copper, Dissolved	7.4	0.0038	0.010	ug/l	1	02/18/22	
Sample Results							(Continued
Sample: C-12-W9			S	ampled: 01/19	9/22 9:20 b	y Marisa Swide	rski/Kate Buckley
2A20035-13 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2B1292	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	17/22 10:40			Analyst: ALN
Copper, Dissolved	6.9	0.0038	0.010	ug/l	1	02/18/22	
Sample Results							(Continued
Sample: C-13-W9			S	ampled: 01/19	9/22 9:00 b	y Marisa Swide	rski/Kate Buckley
2A20035-14 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2B1292	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	17/22 10:40			Analyst: ALN
Copper, Dissolved	2.2	0.0038	0.010	ug/l	1	02/18/22	
Sample Results							(Continued
Sample: C-REF-1-W9			S	ampled: 01/19	9/22 9:05 b	y Marisa Swide	rski/Kate Buckley
2A20035-15 (Sea Water)							

2A20035 Page 5 of 8

0.35

Preparation: EPA 1640#Preconcentration

MDL

0.0038

MRL

Instr: ICPMS03

0.010

Prepared: 02/17/22 10:40

ug/l

Analyzed

02/18/22

Qualifier

Analyst: ALN



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Batch ID: W2B1329

Copper, Dissolved

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Prepared: 02/17/22 18:11

0.010

Reported:

02/22/2022 16:49

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(Continued)

Analyst: ALN

02/18/22

Sa	ample Results							(Continued)
Sample:	C-REF-2-W9			S	ampled: 01/19	9/22 8:45 b	y Marisa Swide	rski/Kate Buckle
	2A20035-16 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
letals - Low	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS03				
Batch ID:		Preparation: EPA 1640#Preconcentration		Prepared: 02/1				Analyst: ALN
Copper, D	Pissolved	0.44	0.0038	0.010	ug/l	1	02/18/22	
Sa	ample Results							(Continued
Sample:	FB-W9			S	ampled: 01/19	9/22 8:30 b	y Marisa Swide	rski/Kate Buckle
	2A20035-17 (Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
letals - Low	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS03				
Batch ID:	W2B1292	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	17/22 10:40			Analyst: ALN
Copper, D	issolved	ND	0.0038	0.010	ug/l	1	02/18/22	
Sa	ample Results							(Continued
Sample:	N8-ER-W9			S	ampled: 01/19	9/22 8:40 b	y Marisa Swide	rski/Kate Buckle
	2A20035-18 (Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
letals - Low	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS03				

0.033

0.0038

Preparation: _NONE (METALS)

Project Manager: Marisa Swiderski



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

02/22/2022 16:49



Metals - Low Level by	y 1600 Series Methods											
						Spike	Source		%REC		RPD	
Analyte		Result	MDL	MRL	Units	Level	Result	%REC	Limits	RPD	Limit	Qualifie
atch: W2B1292 - EPA	1640											
Blank (W2B1292-BLK	1)					Prepared & Ar	nalyzed: 02/1	7/22				
Copper, Dissolved		ND	0.0038	0.010	ug/l							
LCS (W2B1292-BS1)						Prepared & Ar	nalyzed: 02/1	7/22				
Copper, Dissolved		9.18	0.0038	0.010	ug/l	10.0	•	92	70-130			
Matrix Spike (W2B129	92-MS1) S	Source: 2	A20035-01			Prepared & Ar	nalvzed: 02/1	7/22				
•				0.010	ug/l	10.0	12.2	106	70-130			
Matrix Spike (W2B129	92-MS2) S	Source: 2	A20035-02			Prepared & Ar	nalvzed: 02/1	7/22				
				0.010	ug/l	10.0	12.9	91	70-130			
Matrix Spike Dup (W2	2B1292-MSD1) S	Source: 2	A20035-01			Prepared & Ar	nalvzed: 02/1	7/22				
				0.010	ug/l	10.0	12.2	95	70-130	5	30	
Matrix Spike Dup (W2	2B1292-MSD2) S	Source: 2	A20035-02			Prepared & Ar	nalvzed: 02/1	7/22				
				0.010	ug/l	10.0	12.9	94	70-130	1	30	
atch: W2B1329 - EPA	1640											
Blank (W2B1329-BLK					Droi	pared: 02/17/2	2 Analyzad:	02/18/22	,			
-		ND	0.0038	0.010	ug/l	Julea. OL, 11/L	z Anaryzeu.	02, 10, 22	-			
LCS (W2B1329-BS1)					Droi	pared: 02/17/2	2 Analyzodi	02/19/22	,			
Copper, Dissolved		9.08	0.0038	0.010	ug/l	10.0	z Allalyzeu.	91	70-130			
Matrix Spike (W2B132	20 MC1)		A26038-01		Duo	pared: 02/17/2	2 Analyzady	02/10/22	,			
	29-14131)			0.010	ug/l	10.0	9.76	95	70-130			
Matrix Spike (W2B132	20 MC2)		A26038-02		Duo	pared: 02/17/2	2 Analyzady	02/10/22	,			
	29-IVIS2)			0.010	ug/l	10.0	2 Analyzeo: 11.7	93	70-130			
Matrix Sailes Dess (84)	201220 MCD1)		A 26020 04		D	noved: 02/47/2	2 Amal:	02/10/22				
Matrix Spike Dup (W2 Copper, Dissolved	2B1329-M5D1)		A26038-01 0.0038	0.010	ug/l	oared: 02/17/2 10.0	9.76	100	70-130	2	30	
Matrix Culles Dec. (1412	3P1220 MCD2)		A26020 62		- -	d. 02/17/2	2. Amalumad	02/10/22				
Matrix Spike Dup (W2 Copper, Dissolved	2B1329-MSD2) S		A26038-02 0.0038	0.010	ug/l	oared: 02/17/2 10.0	2 Analyzed: 11.7	02/18/22 93	? 70-130	0.09	30	
pp ,		_0.5		3.0.0	~∌′.					0.00		

Project Manager: Marisa Swiderski



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/22/2022 16:49

Project Manager: Marisa Swiderski



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Notes and Definitions

%REC	Percent Recovery
Dil	Dilution
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

2A20035 Page 8 of 8

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5) WECK will contact Wood PM within 24 hours if any sample anomalies are found.

Weck Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Analytical Laboratory Services - Since 1964

STANDARD 2A 20035

14859 East Clark Avenue : Industry : CA 91745 Tel 626-336-2139 ♦ Fax 626-336-2634 ♦ www.wecklabs.com								ST	AND	ARD	JA)	200	9	Page	e 1	Of	2
CLIENT NAME:				PROJECT:			[1A	NALYS	ES RE	QUES	STED				NDLING	
Wood Environment ADDRESS:	& Infrastructur	e Solutions,	Inc.	SIYB IWHC Pa (Port of Si PHONE: 858-300-43	an Diego) 324		RL= 0.01 µg/L							,	24 Hou	Day Rush 15 ur Rush 1009 Hour Rush 7	%
9177 Sky Park Ct. San Diego, CA 9212				barry.snyder	301 erski@woodplc.c :@woodplc.com	<u>om</u>	ig.							4 - 5 Day Rus Rush Extracti 10 Business		0%	
PROJECT MANAGER				SAMPLER			per ^{1,2} 0.0038 ₁	ĺ								Data Packa	Ÿ
Marisa Swiderski			,				Copp MDL 0									or weekend	Js/holidays
ID# (For lab Use Only)	ID#			SAMPLE IDENTIFICATION	VSITE LOCATION	# OF CONT.	Dissolved EPA 1640							Method o	f Shipmen ITS	t:	
	01/19/22	10:45		C-1-W9 '	*	1	X					† †	\dashv			sample M	1S/MSD
	01/19/22	11:05		C-1-Dup-W9		1	X					1 1		1	<u></u>		
	01/19/22	10:55	seawate	C-2-W9		1	Х										
	01/19/22	10:30	seawate	C-3-W9		1	Х					1 [· · · · · ·	
	01/19/22	10:00	seawate	C-4-W9 -		1	Х							ĺ			
	01/19/22	10:30	seawate	C-5-W9		1	Х				ŀ						
	01/19/22	9:30	seawater	C-6-W9		1	Х										
	01/19/22	10:20	seawater	C-7-W9 ·		1	Х										
	01/19/22	10:00	seawater	C-8-W9		1	Х										
	01/19/22	9:50	seawater	C-9-W9 `		1	Х										
	01/19/22	9:30	seawater	C-10-W9		1	Χ										
RELINQUISHED E	hirden	<i>ٺ</i>	01/2	E/TIME 20/2022 0900	RECEIVE	r	· ~ S	> <i>a</i>		Ĺ		Actual,	MPLE Contract	CONDITION: ture:		AQ=Aque NA≔ Non SL = Slud	Aqueous Ige
Hoels:				20-22-	RECEIVE	1/2	h	11:	35 <u> </u>			Receive Preserv Evidend	d On Ice		N N N N N N N N N N N N N N N N N N N	WW = Wa RW = Rai	nking Water aste Water in Water ound Water
RELINQUISHED BY DAT				E / TIME	RECEIVE) BY	•	•				Preserv	ed at Lat)	Y	SO = Soil SW = Soil OL = Oil	id Waste
SPECIAL REQUIREME				IDPE metals bottles have t	NO acid (HNO3) i	n hottle		folio	wing ir	ıforma	tion :			@woodplc.	com and i	OT = Othe	
 LAB ACTION: PRESERVE Cu samples IMMEDIATELY. I Dissolved metals were field filtered using 0.45 um bottleto Preserve any extra volume of each sample for dissolved n SPIKE level at the following amounts: Copper = 10 ug/L 				filt. system.	12 300 (00)	25410	•	(2) F (3) C	O #: N/ Org: 315	'A 51	100113	.0002A.\	VECK				
4) SPIKE level at the fo	bliowing amounts	s: ∪opper = 10	Jug/L					[(4) 0	iL: 573	UOO							

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*****		110	~	100	

Weck Laboratories, Inc. Analytical Laboratory Services - Since 1964

CHAIN OF CUSTODY RECORD

14859 East Clark Avenue: Industry: CA 91745

4) SPIKE level at the following amounts: Copper = 10 ug/L

5) WECK will contact Wood PM within 24 hours if any sample anomalies are found.

STANDARD 24 20035

Tel 626-336-2139 ♦ Fax 626-336-2634 ♦ www.wecklabs.com													()		<i>V V V</i>		Pag		2	Of	2
CLIENT NAME:		,		PROJECT:						ANA	ALYS	ES R	EQUE	STED			SPE	CIAL	HAN	DLING	
Wood Environment & ADDRESS: 9177 Sky Park Ct. San Diego, CA 92123		e Solutions, l	Inc.	SIYB IWHC Pause Pilot Study (Port of San Diego) PHONE: 858-300-4324 FAX: 858-300-4301 EMAIL: marisa.swiderski@woodplc.com barry.snyder@woodplc.com				88 µg/L, RL= 0.01 µg/L										24 48 4 - Ru	Hour F -72 Ho - 5 Day ush Ext	y Rush 156 Rush 100% ur Rush 75 Rush 30% ractions 50 ess Days	5% 5
PROJECT MANAGER				SAMPLER			0.00									m			ata Packa		
Marisa Swiderski				Marisa Swiderski (MS) / Kate Buckley (KB)			Cop MDL					ŀ							weekend	ls/holidays	
ID# (For lab Use Only)	DATE SAMPLED	TIME SAMPLED	SMPL TYPE	SAMPLE ID	DENTIFICATION/S	SITE LOCATION	# OF CONT.	Dissolved EPA 1640									Method COMME		nent:		
	01/19/22	9:40		C-11-W9			1	Х		1				+	+		COMMINIE				
	01/19/22	9:20		C-12-W9	ì		1	X		1					1					,	
	01/19/22	9:00		C-13-W9	, .		1	X									Ī				
	01/19/22	9:05	seawater	C-REF-1-	№9 ·		1	Х													
	01/19/22	8:45	seawater	C-REF-2-	N9		1	Х									, , ,				
	01/19/22	8:30	DI	FB-W9	•		1	X								<u> </u>					
	01/19/22	8:40	DI	N8-ER-W	9 `		1	X				_	_	_		<u> </u>	 				· · · · · · · · · · · · · · · · · · ·
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RELINQUISHED BY		<u>`</u>	01/3	 / TIME 20/2022	0900	RECEIVED	2 (1	5	w	لرم	r-e		- 1	SAMP		ONDITION ire:	l:	7	AQ≔Aque NA≃ Non SL ≃ Slud	Aqueous ge
RELINQUISHED BY DAT			1-	E/TIME U35 RECEIVED BY				rop	rope 11:35				Pre Evid Con	elved O served dence S tainer Ir	eals Pr ntact	resent	Y Y	(Z Z Z	WW ∺ Wa RW ≍ Rai GW = Gro	und Water	
RELINQUISHED BY DATE / TIME RECEIVED BY											(served a	54		·	, IV	SO = Soil SW = Soli OL = Oil OT = Othe	d Waste er Matrix			
SPECIAL REQUIREMEI 1) LAB ACTION: PRESI 2) Dissolved metals were 3) Preserve any extra vol 4) SPIKE level at the foll	ERVE Cu samp e field filtered u blume of each s	oles IMMEDIA sing 0.45 um ample for diss	TELY. H bottletop solved m	filt. system.		O acid (HNO3) i	n bottle).	1	ollow () Pro (2) PC (3) Or	ving i	nform ‡: 201 /A 51	ivoices ation : 510011				@woodplo	c.com a	ınd ind	lude the	

WEEK 10 ANALYTICAL RESULTS



FINAL REPORT

Work Orders: 2A26038 Report Date: 2/22/2022

Received Date: 1/26/2022

Turnaround Time: Normal

Phones: (858) 300-4324

Fax: (858) 278-5300

P.O. #:

Billing Code:

Attn: Marisa Swiderski

Client: Wood - San Diego

9177 Sky Park Court, Ste A San Diego, CA 92123

Project: SIYB IWHC Pause Pilot (Port of San Diego)

ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • LACSD #10143 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Marisa Swiderski,

Enclosed are the results of analyses for samples received 1/26/22 with the Chain-of-Custody document. The samples were received in good condition, at 3.9 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Chris Samatmanakit Project Manager

1: State











FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 **Project Number:** SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/22/2022 16:51

Project Manager: Marisa Swiderski

Sai

Sample Summary

C-1-W10 C-2-W10 C-3-W10	Marisa Swiderski/Kate Buckley Marisa Swiderski/Kate Buckley	2A26038-01	Sea Water	01/25/22 11:35	
C-3-W10	Duckley	2A26038-02	Sea Water	01/25/22 12:05	
	Marisa Swiderski/Kate Buckley	2A26038-03	Sea Water	01/25/22 11:20	
C-4-W10	Marisa Swiderski/Kate Buckley	2A26038-04	Sea Water	01/25/22 10:30	
C-5-W10	Marisa Swiderski/Kate Buckley	2A26038-05	Sea Water	01/25/22 11:00	
C-5-Dup-W10	Marisa Swiderski/Kate Buckley	2A26038-06	Sea Water	01/25/22 11:10	
C-6-W10	Marisa Swiderski/Kate Buckley	2A26038-07	Sea Water	01/25/22 09:45	
C-7-W10	Marisa Swiderski/Kate Buckley	2A26038-08	Sea Water	01/25/22 10:40	
C-8-W10	Marisa Swiderski/Kate Buckley	2A26038-09	Sea Water	01/25/22 10:30	
C-9-W10	Marisa Swiderski/Kate Buckley	2A26038-10	Sea Water	01/25/22 10:10	
C-10-W10	Marisa Swiderski/Kate Buckley	2A26038-11	Sea Water	01/25/22 09:45	
C-11-W10	Marisa Swiderski/Kate Buckley	2A26038-12	Sea Water	01/25/22 10:00	
C-12-W10	Marisa Swiderski/Kate Buckley	2A26038-13	Sea Water	01/25/22 09:25	
C-13-W10	Marisa Swiderski/Kate Buckley	2A26038-14	Sea Water	01/25/22 09:00	
C-REF-1-W10	Marisa Swiderski/Kate Buckley	2A26038-15	Sea Water	01/25/22 09:05	
C-REF-2-W10	Marisa Swiderski/Kate Buckley	2A26038-16	Sea Water	01/25/22 08:50	
FB-W10	Marisa Swiderski/Kate Buckley	2A26038-17	Water	01/25/22 08:30	
N3-ER-W10	Marisa Swiderski/Kate Buckley	2A26038-18	Water	01/25/22 08:40	
E-14-W10	Marisa Swiderski/Kate Buckley	2A26038-19	Sea Water	01/25/22 11:50	
E-15-W10	Marisa Swiderski/Kate Buckley	2A26038-20	Sea Water	01/25/22 11:10	
E-16-W10	Marisa Swiderski/Kate Buckley	2A26038-21	Sea Water	01/25/22 10:15	
E-17-W10	Marisa Swiderski/Kate Buckley	2A26038-22	Sea Water	01/25/22 10:50	
E-18-W10	Marisa Swiderski/Kate Buckley	2A26038-23	Sea Water	01/25/22 09:30	
E-19-W10	Marisa Swiderski/Kate Buckley	2A26038-24	Sea Water	01/25/22 09:35	
E-20-W10	Marisa Swiderski/Kate Buckley	2A26038-25	Sea Water	01/25/22 09:15	



Sampled: 01/25/22 12:05 by Marisa Swiderski/Kate Buckley

FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/22/2022 16:51

Project Manager: Marisa Swiderski

C-1-W10 Sample: Sampled: 01/25/22 11:35 by Marisa Swiderski/Kate Buckley 2A26038-01 (Sea Water) MRI Units Dil Qualifier MDL Analyzed Analyte Result Metals - Low Level by 1600 Series Methods Method: EPA 1640 Instr: ICPMS03 Batch ID: W2B1329 Preparation: _NONE (METALS) Prepared: 02/17/22 18:11 Analyst: ALN Copper, Dissolved 0.0038 0.010 02/18/22 9.8 ug/l

Sample Results

2A26038-02 (Sea Water) Analyte Result MDL MRL Units Dil Analyzed Qualifier

Metals - Low Level by 1600 Series Methods

C-2-W10

Method: EPA 1640 Instr: ICPMS03 Batch ID: W2B1329 Preparation: _NONE (METALS) Prepared: 02/17/22 18:11 Analyst: ALN 0.0038 0.010 02/18/22 Copper, Dissolved ug/l 12

Sample:

Sample Results

C-3-W10 Sampled: 01/25/22 11:20 by Marisa Swiderski/Kate Buckley Sample: 2A26038-03 (Sea Water) Qualifier

MDL MRL Units Analyzed Analyte Result Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03 Batch ID: W2B1329 Prepared: 02/17/22 18:11 Preparation: _NONE (METALS) Analyst: ALN Copper, Dissolved 0.0038 0.010 02/18/22

Sample Results

C-4-W10 Sampled: 01/25/22 10:30 by Marisa Swiderski/Kate Buckley Sample: 2A26038-04 (Sea Water)

MDL MRI Units Analyzed Qualifier Analyte Result

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03 Batch ID: W2B1329 Preparation: _NONE (METALS) Prepared: 02/17/22 18:11 Analyst: ALN 0.0038 02/18/22 Copper, Dissolved 10 ug/l

Sample Results

C-5-W10 Sampled: 01/25/22 11:00 by Marisa Swiderski/Kate Buckley Sample: 2A26038-05 (Sea Water)

MRL Analyzed Qualifier Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W2B1329 Prepared: 02/17/22 18:11 Analyst: ALN Preparation: _NONE (METALS) Copper, Dissolved 0.076 0.20 20 02/18/22 ua/l

2A26038 Page 3 of 9



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Batch ID: W2B1329

Copper, Dissolved

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Project Manager: Marisa Swiderski

Reported:

Analyst: ALN

02/18/22

02/22/2022 16:51

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Sa	ample Results							(Continued)
Sample:	C-5-Dup-W10			S	ampled: 01/25,	/22 11:10 b	y Marisa Swide	rski/Kate Buckley
	2A26038-06 (Sea Water)							
Analyte		Res	ult MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS03	3			
Batch ID:	W2B1329	Preparation: _NONE (METALS)		Prepared: 02/	17/22 18:11			Analyst: ALN
Copper, D	Dissolved		3.9 0.0038	0.010	ug/l	1	02/18/22	
Sa	ample Results							(Continued)
Sample:	C-6-W10			9	Sampled: 01/25	5/22 9:45 b	y Marisa Swide	rski/Kate Buckley
	2A26038-07 (Sea Water)							
Analyte		Res	ult MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS03	3			
Batch ID:	W2B1329	Preparation: _NONE (METALS)		Prepared: 02/	17/22 18:11			Analyst: ALN
Copper, D	Dissolved		9.7 0.0038	0.010	ug/l	1	02/18/22	
Sa	ample Results							(Continued)
Sample:	C-7-W10			S	ampled: 01/25,	/22 10:40 b	y Marisa Swide	rski/Kate Buckley
	2A26038-08 (Sea Water)							
Analyte	,	Res	ult MDL	MRL	Units	Dil	Analyzed	Qualifier
	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS03	3			
Batch ID:	W2B1329	Preparation: _NONE (METALS)		Prepared: 02/				Analyst: ALN
Copper, D	Dissolved		3.1 0.0038	0.010	ug/l	1	02/18/22	•
Sa	ample Results							(Continued)
Sample:	C-8-W10			S	ampled: 01/25,	/22 10:30 b	y Marisa Swide	rski/Kate Buckley
	2A26038-09 (Sea Water)				·			_
Analyte		Res	ult MDL	MRL	Units	Dil	Analyzed	Qualifier
_	Level by 1600 Series Methods						. ,	•
Method: EPA	•			Instr: ICPMS03	3			
Batch ID:		Preparation: _NONE (METALS)		Prepared: 02/				Analyst: ALN
Copper, D		•	7.5 0.0038	0.010	ug/l	1	02/18/22	,
Sa	ample Results							(Continued)
Sample:	C-9-W10			S	ampled: 01/25	/22 10:10 b	y Marisa Swide	rski/Kate Buckley
	2A26038-10 (Sea Water)							,
Analyte	Liteouso io (sea water)	Res	ult MDL	MRL	Units	Dil	Analyzed	Qualifier
-	Level by 1600 Series Methods	ines		HILL	2.110		aryzeu	Quanner
Method: EPA	•			Instr: ICPMS03	2			
wediou: EPA	¬ 10 4 0			msu: ICPIVISUS	,			

2A26038 Page 4 of 9

6.9

0.0038

Prepared: 02/17/22 18:11

ug/l

0.010

Preparation: _NONE (METALS)



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/22/2022 16:51

Project Manager: Marisa Swiderski

Sampl	e Results								(Continued)
Sample: C-10	-W10				S	ampled: 01/25	5/22 9:45 b	y Marisa Swide	rski/Kate Buckley
2A26	6038-11 (Sea Water)								
Analyte			Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by	1600 Series Methods								
Method: EPA 1640					Instr: ICPMS03	}			
Batch ID: W2B1329	9	Preparation: _NONE (METALS)			Prepared: 02/1	17/22 18:11			Analyst: ALN
Copper, Dissolved	d		7.6	0.0038	0.010	ug/l	1	02/18/22	
Sampl	e Results								(Continued)
Sample: C-11	-W10				Sa	ampled: 01/25	/22 10:00 b	y Marisa Swide	rski/Kate Buckley
2A26	6038-12 (Sea Water)								
Analyte			Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by	1600 Series Methods								
Method: EPA 1640					Instr: ICPMS03	1			
Batch ID: W2B1329)	Preparation: _NONE (METALS)			Prepared: 02/1	17/22 18:11			Analyst: ALN
Copper, Dissolved	d		7.7	0.0038	0.010	ug/l	1	02/18/22	
Sampl	e Results								(Continued)
Sample: C-12	-W10				S	ampled: 01/25	5/22 9:25 b	y Marisa Swide	rski/Kate Buckley
2A26	6038-13 (Sea Water)								
Analyte			Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
Metals - Low Level by	1600 Series Methods								
Method: EPA 1640					Instr: ICPMS03	1			
Batch ID: W2B1329)	Preparation: _NONE (METALS)			Prepared: 02/1	17/22 18:11			Analyst: ALN
Copper, Dissolved	d		17	0.0038	0.010	ug/l	1	02/18/22	
Sampl	e Results								(Continued)
Sample: C-13	-W10				S	ampled: 01/25	5/22 9:00 b	y Marisa Swide	rski/Kate Buckley
2A26	6038-14 (Sea Water)								
Analyte			Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
Metals - Low Level by	1600 Series Methods								
Method: EPA 1640					Instr: ICPMS03	1			
Batch ID: W2B1329	9	Preparation: _NONE (METALS)			Prepared: 02/1	17/22 18:11			Analyst: ALN
Copper, Dissolved	d		3.4	0.0038	0.010	ug/l	1	02/18/22	
Sampl	e Results								(Continued)

Sample: C-REF-1-W10

Sampled: 01/25/22 9:05 by Marisa Swiderski/Kate Buckley

Analyzed

Qualifier

2A26038-15 (Sea Water)

Metals - Low Level by 1600 Series Methods

MDL

MRL

Method: EPA 1640 Instr: ICPMS03

Batch ID: W2B1329 Preparation: _NONE (METALS) Prepared: 02/17/22 18:11 Analyst: ALN 0.010 02/18/22 Copper, Dissolved 0.0038 ug/l

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FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Metals - Low Level by 1600 Series Methods

Method: EPA 1640
Batch ID: W2B1374

Copper, Dissolved

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/22/2022 16:51

Project Manager: Marisa Swiderski

Sa	ample Results								(Continued
Sample:	C-REF-2-W10				S	ampled: 01/25	5/22 8:50 b	y Marisa Swide	rski/Kate Buckle
	2A26038-16 (Sea Water)								
Analyte			Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
/letals - Low I	Level by 1600 Series Methods								
Method: EPA	A 1640				Instr: ICPMS03	1			
Batch ID: \		Preparation: _NONE (METALS)			Prepared: 02/1				Analyst: ALN
Copper, D	issolved		1.8	0.0038	0.010	ug/l	1	02/18/22	
Sa	ample Results								(Continued
Sample:	FB-W10				S	ampled: 01/25	5/22 8:30 b	y Marisa Swide	rski/Kate Buckle
	2A26038-17 (Water)								
Analyte		ı	Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
letals - Low I	Level by 1600 Series Methods								
Method: EPA	A 1640				Instr: ICPMS03	1			
Batch ID: \		Preparation: _NONE (METALS)		0.0000	Prepared: 02/1			00/40/00	Analyst: ALI
Copper, D	ISSOIVED		ND	0.0038	0.010	ug/l	1	02/18/22	
Sa	ample Results								(Continued
Sample:	N3-ER-W10				S	ampled: 01/25	5/22 8:40 b	y Marisa Swide	rski/Kate Buckle
	2A26038-18 (Water)								
Analyte		ı	Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
∕letals - Low I	Level by 1600 Series Methods								
Method: EPA	A 1640				Instr: ICPMS03	1			
Batch ID: \		Preparation: _NONE (METALS)			Prepared: 02/1				Analyst: ALI
Copper, D	issolved		- 1.9	0.0038	0.010	ug/l	1	02/18/22	
Sa	ample Results								(Continued
Sample:	E-14-W10				Sa	ampled: 01/25	/22 11:50 b	y Marisa Swide	rski/Kate Buckle
	2A26038-19 (Sea Water)								
Analyte		ļ	Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
/letals - Low I	Level by 1600 Series Methods								
Method: EPA	A 1640				Instr: ICPMS03	1			
Batch ID: \		Preparation: _NONE (METALS)			Prepared: 02/1				Analyst: ALI
Copper, D	issolved		9.2	0.0038	0.010	ug/l	1	02/18/22	
Sa	ample Results								(Continued
Sample:	E-15-W10				Sa	ampled: 01/25	/22 11:10 b	y Marisa Swide	rski/Kate Buckle
	2A26038-20 (Sea Water)								

2A26038 Page 6 of 9

Preparation: EPA 1640#Preconcentration

MDL

0.0038

MRL

Instr: ICPMS03

0.010

Prepared: 02/18/22 13:47

ug/l

Analyzed

02/18/22

Qualifier

Analyst: ALN



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/22/2022 16:51

Analyst: ALN

(Continued)

(Continued)

Project Manager: Marisa Swiderski

Sa	imple Results							(Continued)
Sample:	E-16-W10			Sa	ampled: 01/25	/22 10:15 b	y Marisa Swide	rski/Kate Buckley
	2A26038-21 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low L	evel by 1600 Series Methods							
Method: EPA	1640			Instr: ICPMS03	3			
Batch ID: V	W2B1374	Preparation: EPA 1640#Preconcentration		Prepared: 02/	18/22 13:47			Analyst: ALN
Copper, Di	issolved	11	0.0038	0.010	ug/l	1	02/18/22	
Sa	imple Results							(Continued)
Sample:	E-17-W10			Sa	ampled: 01/25,	/22 10:50 b	y Marisa Swide	rski/Kate Buckley
	2A26038-22 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low L	evel by 1600 Series Methods							
Method: EPA	1640			Instr: ICPMS03	3			
Batch ID: V	W2B1374	Preparation: EPA 1640#Preconcentration		Prepared: 02/	18/22 13:47			Analyst: ALN
Copper, Di	issolved	10	0.0038	0.010	ug/l	1	02/18/22	
Sa	imple Results							(Continued)
Sample:	E-18-W10			S	ampled: 01/25	/22 9:30 b	y Marisa Swide	rski/Kate Buckley

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods							
Method: FPA 1640			Instr- ICPMS03				

Prepared: 02/18/22 13:47 Batch ID: W2B1374 Preparation: EPA 1640#Preconcentration 02/18/22 Copper, Dissolved 0.0038 0.010

Sample Results

2A26038-23 (Sea Water)

Sampled: 01/25/22 9:35 by Marisa Swiderski/Kate Buckley

E-19-W10 2A26038-24 (Sea Water)

Sample:

Sample:

MDL MRL Units Analyzed Qualifier Analyte Result Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03 Batch ID: W2B1374 Preparation: EPA 1640#Preconcentration Prepared: 02/18/22 13:47 Analyst: ALN 0.0038 02/18/22 Copper, Dissolved ug/l

Sample Results

Sampled: 01/25/22 9:15 by Marisa Swiderski/Kate Buckley

E-20-W10 2A26038-25 (Sea Water)

MDL MRL Analyzed Qualifier Analyte Metals - Low Level by 1600 Series Methods

Method: EPA 1640

Batch ID: W2B1374 Preparation: EPA 1640#Preconcentration Prepared: 02/18/22 13:47 Analyst: ALN 0.010 Copper, Dissolved 7.2 0.0038 02/18/22 ug/l

Instr: ICPMS03

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FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

02/22/2022 16:51

Quality Control Results

Metals - Low Level by 1600 Series Methods											
					Spike	Source		%REC		RPD	
Analyte	Result	MDL	MRL	Units	Level	Result	%REC	Limits	RPD	Limit	Qualifie
atch: W2B1329 - EPA 1640											
Blank (W2B1329-BLK1)				Pre	oared: 02/17/2	2 Analyzed:	02/18/22	2			
Copper, Dissolved	ND	0.0038	0.010	ug/l							
LCS (W2B1329-BS1)				Prej	pared: 02/17/2	2 Analyzed:	02/18/22	2			
Copper, Dissolved	9.08	0.0038	0.010	ug/l	10.0		91	70-130			
Matrix Spike (W2B1329-MS1)	Source: 2	A26038-01		Pre	pared: 02/17/2	2 Analyzed:	02/18/22	2			
Copper, Dissolved	19.3	0.0038	0.010	ug/l	10.0	9.76	95	70-130			
Matrix Spike (W2B1329-MS2)	Source: 2	A26038-02		Pre	pared: 02/17/2	2 Analyzed:	02/18/22	2			
Copper, Dissolved	21.0	0.0038	0.010	ug/l	10.0	11.7	93	70-130			
Matrix Spike Dup (W2B1329-MSD1)	Source: 2	A26038-01		Pre	pared: 02/17/2	2 Analyzed:	02/18/22	2			
Copper, Dissolved	19.7	0.0038	0.010	ug/l	10.0	9.76	100	70-130	2	30	
Matrix Spike Dup (W2B1329-MSD2)	Source: 2	A26038-02		Pre	pared: 02/17/2	2 Analyzed:	02/18/22	2			
Copper, Dissolved	20.9	0.0038	0.010	ug/l	10.0	11.7	93	70-130	0.09	30	
atch: W2B1374 - EPA 1640											
Blank (W2B1374-BLK1)					Prepared & A	nalyzed: 02/	18/22				
Copper, Dissolved	ND	0.0038	0.010	ug/l	•						
LCS (W2B1374-BS1)					Prepared & A	nalyzed: 02/	18/22				
Copper, Dissolved	9.54	0.0038	0.010	ug/l	10.0	•	95	70-130			
Matrix Spike (W2B1374-MS1)	Source: 2	A26038-20			Prepared & A	nalyzed: 02/	18/22				
Copper, Dissolved	20.6	0.0038	0.010	ug/l	10.0	10.7	99	70-130			
Matrix Spike (W2B1374-MS2)	Source: 2	A26038-21			Prepared & A	nalyzed: 02/	18/22				
Copper, Dissolved	21.2	0.0038	0.010	ug/l	10.0	10.9	103	70-130			
Matrix Spike Dup (W2B1374-MSD1)	Source: 2	A26038-20			Prepared & A	nalyzed: 02/	18/22				
Copper, Dissolved	21.2	0.0038	0.010	ug/l	10.0	10.7	105	70-130	3	30	
Matrix Spike Dup (W2B1374-MSD2)	Source: 2	A26038-21			Prepared & A	nalyzed: 02/	18/22				
Copper, Dissolved			0.010	ug/l	10.0	10.9	96	70-130	3	30	

Project Manager: Marisa Swiderski



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/22/2022 16:51

Project Manager: Marisa Swiderski



Item

Notes and Definitions

%REC	Percent Recovery
Dil	Dilution
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

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Analytical Laboratory Services - Since 1964

CHAIN OF CUSTODY RECORD

STANDARD

14859 East Clark Avenue: Industry: CA 91745

Tel 626-336-2139 ♦ Fax 626-336-2634 ♦ www.wecklabs.com Page CLIENT NAME: PROJECT: ANALYSES REQUESTED SPECIAL HANDLING Same Day Rush 150% SIYB IWHC Pause Pilot Study Wood Environment & Infrastructure Solutions, Inc. (Port of San Diego) 24 Hour Rush 100% ADDRESS: 858-300-4324 PHONE: 48-72 Hour Rush 75% µg/L, ∣ 858-300-4301 FAX: 9177 Sky Park Ct. 4 - 5 Day Rush 30% f Copper "-PA 1640 MDL 0.0038 FMAIL: marisa.swiderski@woodplc.com San Diego, CA 92123 Rush Extractions 50% barry.snyder@woodplc.com 17 10 Business Davs PROJECT MANAGER SAMPLER QA/QC Data Package Marisa Swiderski Marisa Swiderski (MS) / Kate Buckley (KB) Charges will apply for weekends/holidays Method of Shipment: ID# DATE TIME **SMPL** #OF SAMPLE IDENTIFICATION/SITE LOCATION SAMPLED (For lab Use Only) SAMPLED CONT TYPE COMMENTS 01/25/22 Х 11:35 seawater C-1-W10 01/25/22 Χ 12:05 seawater C-2-W10 1 01/25/22 11:20 seawater C-3-W10 Х 1 01/25/22 10:30 seawater C-4-W10 1 Х 01/25/22 11:00 seawater C-5-W10 1 Х extra vol. analyze sample MS/MSD 01/25/22 11:10 seawater C-5-Dup-W10 Χ 1 01/25/22 9:45 seawater C-6-W10 Х 01/25/22 seawater C-7-W10 Х 10:40 01/25/22 10:30 seawater C-8-W10 Х 01/25/22 seawater C-9-W10 10:10 seawater C-10-W10 01/25/22 9:45 RELINQUISHED BY DATE / TIME SAMPLE TYPE CODE RECEIVED BY SAMPLE CONDITION: AQ=Aqueous Marion Swider 01/26/2022 0900 Actual Temperature: NA= Non Aqueous SL = Sludge RECEIVED BY RELINQUISHED BY DW = Drinking Water Received On Ice Preserved WW = Waste Water -26-22 Evidence Seals Present RW = Rain Water Container Intact GW = Ground Water Preserved at Lab RECEIVED BY SO = Soil SW = Solid Waste OL = Oil

1 cooler + 4 cases

SPECIAL REQUIREMENTS / BILLING INFORMATION

- 1) LAB ACTION: PRESERVE Cu samples IMMEDIATELY. HDPE metals bottles have NO acid (HNO3) in bottle.
- Dissolved metals were field filtered using 0.45 um bottletop filt. system.
- 3) Preserve any extra volume of each sample for dissolved metals to archive.
- 4) SPIKE level at the following amounts: Copper = 10 ug/L
- 5) WECK will contact Wood PM within 24 hours if any sample anomalies are found.

OT = Other Matrix

Please submit invoices to APInvoice.US@woodplc.com and include the

following information: 1) Project #: 2015100113.0002A.WECK

- (3) Org: 3151
- (4) GL: 573000

(2) PO #: N/A

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Analytical Laboratory Services - Since 1964

CHAIN OF CUSTODY RECORD 2A 24030

14859 East Clark Avenue: Industry: CA 91745

Tel 626-336-2139	♦ Fax 626	-336-2634	♦ wwv	v.wecklabs.com	-										Page	2	Of	3			
CLIENT NAME:				PROJECT:				ANALYSES REQUESTED								SPECIAL HANDLING					
Wood Environment &	& Infrastructure	SIYB IWHC Pause Pilot Study (Port of San Diego)			RL= 0.01										Day Rush 1 Ir Rush 100						
ADDRESS:				PHONE: 858-300-4324											******	48-72 F	lour Rush :	75%			
9177 Sky Park Ct.				FAX: 858-300-4301					- 1					ı	-	4 - 5 D:	ay Rush 30	%			
San Diego, CA 9212	3			EMAIL: <u>marisa.swiders</u>	ski@woodplc.co	om:	9800								L	Rush E	xtractions 8	50%			
				barry.snyder@	woodplc.com										V	10 Bus	iness Days	3			
PROJECT MANAGER				SAMPLER		·	10 er 12								<u></u>		Data Pack				
Marisa Swiderski				Marisa Swiderski (MS) /	Kate Buckley	(KB)	COD A 16,								Charges wi	Il apply fo	r weeker	nds/holidays			
ID#	DATE	TIME	SMPL			# OF	g šed								Method of	Shipmen					
(For lab Use Only)	SAMPLED	SAMPLED	TYPE	SAMPLE IDENTIFICATION/S	SITE LOCATION	CONT.	Dissolv Method							(COMMENT	s					
	01/25/22	10:00	seawater	C-11-W10		1	Х														
	01/25/22	9:25	seawater	C-12-W10		1	X														
	01/25/22	9:00	-	C-13-W10		1	X		_	_											
: 	01/25/22	9:05		C-REF-1-W10		1	Х				lacksquare					·					
·	01/25/22	8:50		C-REF-2-W10		1	X					4	 		·····						
	01/25/22	8:30	+	FB-W10	······································	1 1	X					_									
	01/25/22	8:40	DI	N3-ER-W10		1	X				ļ	_		-			<u></u>				
	01/25/22	11:50		E-14-W10 E-15-W10		1 1	X				 	-	╁┷┼	-				_			
	01/25/22	11:10 10:15		E-16-W10		1	^				 			-							
	01/25/22	10:10		E-17-W10		1	^		-	+		+		-							
RELINQUISHED B		10.50		/ TIME	RECEIVED) BY	1 ^		- 1			٠,		- ^ ^	NDITION.		SAMPLE	TYPE CODE:			
Marira Dr		<u> </u>		, ,				dr Sach					AIVIPLE al Temper		NDITION: :: 30	J'C	SL = Slu	n Aqueous idge			
RELINQUISHED B	Υ		DATE	TIME 1208	RECEIVED	ЭβΥ							ived On I	lce		(Y)		rinking Water			
Ledo	Sa	nsh		26-22	Jan	nalim) l	lvsl	W	ાટવ્યુ		Evide	erved ence Seal ainer Inta		sent	X (X)	RW = Ra	/aste Water ain Water round Water			
RELINQUISHED B	Υ		DATE	/ TIME	RECEIVED	BY						Pres	erved at L	Lab		(A) M	SO = So				
				·										1025	, 1		OL = Oil OT = Oti	her Matrix			
SPECIAL REQUIREME												to API	nvoice.l	US@	woodplc.co	m and i	nclude th	ie			
· ————	-			IDPE metals bottles have NO	acid (HNO3) i	n bottle	ì.				mation : /15100113	.0002	A.WECK	(
Dissolved metals wer		-		•	l coolent	4 00	(e)) PO #:					-							
3) Preserve any extra vo		=		etals to archive.	filter t		-		Org:												
4) SPIKE level at the fol	_		_	anomalies are found	7-11 TEY T	J V - V		(4) GL: 573000													

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CHAIN OF CUSTODY RECORD ZPU039

Analytical Laboratory Services - Since 1964

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14009 East Clark /	avenue: inu	ustry : CF	191/40	,		•				יתוט	ואטאו								U	
Tel 626-336-2139	♦ Fax 626-	-336-2634	♦ www	v.wecklabs	.com											Page		<u>Of</u>	3	
CLIENT NAME:				PROJECT:					ANALYSES REQUESTED								SPECIAL HANDLING			
Wood Environment (& Infrastructure	e Solutions,	Inc.	SIY	B IWHC Paus (Port of Sar	•	′	RL= 0.01								r-		Day Rush 1 ur Rush 100		
ADDRESS:				PHONE:	858-300-432	<u>!</u> 4			İ								48-72	Hour Rush	75%	
9177 Sky Park Ct.				FAX:	858-300-430	11		, µ9/l,	1							P****	4 - 5 🗅	ay Rush 30	%	
San Diego, CA 9212	3			EMAIL:	marisa.swider	ski@woodplc.c	om	0.0038	1		İ					*****	Rush I	Extractions :	50%	
					barry.snyder@	woodplc.com		MDL 0								V	10 Bu	siness Days	3	
PROJECT MANAGER				SAMPLER	_	-		opper ¹ . 1640 N							L			C Data Pack		
Marisa Swiderski				Marisa Sw	iderski (MS) /	Kate Buckle	y (KB)	PA 16							1.				ids/holidays	
*	DATE	TIME	SMPL	SAMPLEID	ENTIFICATION/S	NTE LOCATION	# OF	Dissolved Co Method EPA 1							ļ	Method of	Shipmer	ıt:		
. (For lab Use Only)	SAMPLED	SAMPLED	TYPE	OAWII EE ID	ENTR IO/THOM/C		CONT.	Diss								COMMEN.	rs			
	01/25/22	9:30	seawater	E-18-W10			1	Х												
	01/25/22	9:35		E-19-W10			1	X												
	01/25/22	9:15	seawater	E-20-W10			1	X			_	\perp								
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							<u> </u>													
RELINQUISHED E	3Y		DATE	/TIME		RECEIVE	DΒY		•				,	SAMPL	E CO	NDITION:			TYPE CODE:	
Marisa &		ئ ــر	01/2	26/2022 0900					Sauler.					Actual Temperature: 3				AQ=Aqu NA= Noi SL = Slu	n Aqueous	
RELINQUISHED E	3Y		DATE	/TIME	1206	RECEIVE	D BY								ı Ice		V N		rinking Water	
Leader Sanh			1.				malm	<u> </u>	Sawler.				Evide	erved ence Se ainer Ini		Present Y		RW = R GW = G	WW = Waste Water RW = Rain Water GW = Ground Water	
				/ TIME		RECEIVE	D BY			-			Pres	erved at	t Lab		N (V)	SO = So		
:															700	34		OL = Oil	olid Waste I her Matrix	
SPECIAL REQUIREM	ENTS / BILLING	INFORMATION	NC		***									nvoice	.US@	woodplc.	om and	include th	1e	
1) LAB ACTION: PRE	SERVE Cu samı	oles IMMEDIA	TELY. H	IDPE metals	bottles have No	O aciģ (HNO3)	in bottle	∍.			•	rmation	i : 113.0002	Δ₩⊏≏	ĸ					
2) Dissolved metals we		_					الممت	ρĹ			ject #∶⊿ #: Ν/Α		113.0002	n,#1EU	***					
3) Preserve any extra v		-		etals to archi	ve.	cooler +	マじいろ	ers	Į,	(3) Org	g: 3151									
4) SPIKE level at the fo					<u>.</u>	Filter	. ~ 00		ľ	(4) GL	: 57300	0								
5) WECK will contact V	Vood PM within:	24 hours if an	y sample	anomalies a	re found.															

WEEK 10 REANALYSES ANALYTICAL RESULTS



SUPPLEMENTAL REPORT

Work Orders: 2A26038 Report Date: 4/29/2022

Received Date: 1/26/2022

Project: SIYB IWHC Pause Pilot (Port of San Diego)

Turnaround Time: Normal

Phones: (858) 300-4324

Fax: (858) 278-5300

P.O. #:

Billing Code:

Attn: Marisa Swiderski

Client: Wood - San Diego

9177 Sky Park Court, Ste A San Diego, CA 92123

EPA-UCMR #CA00211 • LACSD #10143 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Marisa Swiderski,

Enclosed are the results of analyses for samples received 1/26/22 with the Chain-of-Custody document. The samples were received in good condition, at 3.9 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Chris Samatmanakit Project Manager

1: State











SUPPLEMENTAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

04/29/2022 11:06



Case Narrative

This is a Supplement to the Certificate of Analysis previously issued 2/22/22 for the above referenced Project to report confirmation analyses.



Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
C-12-W10	Marisa Swiderski/Kate Buckley	2A26038-13	Sea Water	01/25/22 09:25	
N3-ER-W10	Marisa Swiderski/Kate Buckley	2A26038-18	Water	01/25/22 08:40	

Project Manager: Marisa Swiderski

2A26038 Page 2 of 5



SUPPLEMENTAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

ug/l

Reported: 04/29/2022 11:06

Project Manager: Marisa Swiderski

Sample Results

C-12-W10 Sample: Sampled: 01/25/22 9:25 by Marisa Swiderski/Kate Buckley 2A26038-13RE1 (Sea Water) MDL MRL Units Dil Analyzed Qualifier Analyte Result Metals - Low Level by 1600 Series Methods Method: EPA 1640 Instr: ICPMS03 Prepared: 04/25/22 09:40 Batch ID: W2D1775 Preparation: EPA 1640#Preconcentration Analyst: ALN Copper, Dissolved 0.0038 0.010 04/27/22

Sample Results

N3-ER-W10 Sample: Sampled: 01/25/22 8:40 by Marisa Swiderski/Kate Buckley

2A26038-18RE1 (Water)

Analyte Result MDL MRL Units Dil Analyzed Qualifier

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W2D1775 Prepared: 04/25/22 09:40 Preparation: EPA 1640#Preconcentration Analyst: ALN

0.0038 0.010 04/27/22 Copper, Dissolved 0.074 ug/l



SUPPLEMENTAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

04/29/2022 11:06

Quality Control Results

Metals - Low Level by 1600 Series Methods											
					Spike	Source		%REC		RPD	
Analyte	Result	MDL	MRL	Units	Level	Result	%REC	Limits	RPD	Limit	Qualifier
Batch: W2D1775 - EPA 1640											
Blank (W2D1775-BLK1)				Prep	ared: 04/25/2	2 Analyzed:	04/27/22	2			
Copper, Dissolved	ND	0.0038	0.010	ug/l							
LCS (W2D1775-BS1)				Prep	ared: 04/25/2	2 Analyzed:	04/27/22	2			
Copper, Dissolved	9.29	0.0038	0.010	ug/l	10.0		93	70-130			
Matrix Spike (W2D1775-MS1)	Source: 2A26038-18RE1			Prep	ared: 04/25/2	2 Analyzed:	04/27/22	2			
Copper, Dissolved	9.27	0.0038	0.010	ug/l	10.0	0.0741	92	70-130			
Matrix Spike Dup (W2D1775-MSD1)	Source: 2	A26038-18F	RE1	Prep	ared: 04/25/2	2 Analyzed:	04/27/22	2			
Copper, Dissolved	9.32	0.0038	0.010	ug/l	10.0	0.0741	92	70-130	0.5	30	

Project Manager: Marisa Swiderski



SUPPLEMENTAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 04/29/2022 11:06

Project Manager: Marisa Swiderski



Item

Notes and Definitions

%REC	Percent Recovery
Dil	Dilution
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

2A26038 Page 5 of 5

WEEK 11 ANALYTICAL RESULTS



FINAL REPORT

Work Orders: 2B01027 Report Date: 2/22/2022

Received Date: 2/1/2022

Turnaround Time: Normal

Phones: (858) 300-4324

Fax: (858) 278-5300

P.O. #:

Billing Code:

Project: SIYB IWHC Pause Pilot (Port of San Diego)

Attn: Marisa Swiderski

Client: Wood - San Diego

9177 Sky Park Court, Ste A San Diego, CA 92123

ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • LACSD #10143 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Marisa Swiderski,

Enclosed are the results of analyses for samples received 2/01/22 with the Chain-of-Custody document. The samples were received in good condition, at 4.2 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Chris Samatmanakit Project Manager

1: State









2B01027 Page 1 of 8



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/22/2022 16:52

Project Manager: Marisa Swiderski



Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
C-1-W11	Marisa Swiderski/Rolf Schottle	2B01027-01	Sea Water	01/31/22 11:25	
C-2-W11	Marisa Swiderski/Rolf Schottle	2B01027-02	Sea Water	01/31/22 12:00	
C-3-W11	Marisa Swiderski/Rolf Schottle	2B01027-03	Sea Water	01/31/22 11:30	
C-4-W11	Marisa Swiderski/Rolf Schottle	2B01027-04	Sea Water	01/31/22 11:05	
C-5-W11	Marisa Swiderski/Rolf Schottle	2B01027-05	Sea Water	01/31/22 11:00	
C-6-W11	Marisa Swiderski/Rolf Schottle	2B01027-06	Sea Water	01/31/22 10:25	
C-6-Dup-W11	Marisa Swiderski/Rolf Schottle	2B01027-07	Sea Water	01/31/22 10:35	
C-7-W11	Marisa Swiderski/Rolf Schottle	2B01027-08	Sea Water	01/31/22 10:50	
C-8-W11	Marisa Swiderski/Rolf Schottle	2B01027-09	Sea Water	01/31/22 10:40	
C-9-W11	Marisa Swiderski/Rolf Schottle	2B01027-10	Sea Water	01/31/22 10:30	
C-10-W11	Marisa Swiderski/Rolf Schottle	2B01027-11	Sea Water	01/31/22 10:10	
C-11-W11	Marisa Swiderski/Rolf Schottle	2B01027-12	Sea Water	01/31/22 10:20	
C-12-W11	Marisa Swiderski/Rolf Schottle	2B01027-13	Sea Water	01/31/22 10:00	
C-13-W11	Marisa Swiderski/Rolf Schottle	2B01027-14	Sea Water	01/31/22 09:50	
C-REF-1-W11	Marisa Swiderski/Rolf Schottle	2B01027-15	Sea Water	01/31/22 09:45	
C-REF-2-W11	Marisa Swiderski/Rolf Schottle	2B01027-16	Sea Water	01/31/22 09:35	
FB-W11	Marisa Swiderski/Rolf Schottle	2B01027-17	Water	01/31/22 09:25	
N8-ER-W11	Marisa Swiderski/Rolf Schottle	2B01027-18	Water	01/31/22 09:35	



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/22/2022 16:52

Qualifier

Project Manager: Marisa Swiderski

/	/		(
		7	'

Sample Results

Sample: C-1-W11 Sampled: 01/31/22 11:25 by Marisa Swiderski/Rolf Schottle 2B01027-01 (Sea Water) MRI Dil Qualifier MDL Analyzed Analyte Result Metals - Low Level by 1600 Series Methods Method: EPA 1640 Instr: ICPMS03 Batch ID: W2B1374 Preparation: EPA 1640#Preconcentration Prepared: 02/18/22 13:47 Analyst: ALN Copper, Dissolved 0.0038 0.010 02/18/22 ug/l



Analyte

Sample Results

C-2-W11 Sample: Sampled: 01/31/22 12:00 by Marisa Swiderski/Rolf Schottle 2B01027-02 (Sea Water)

MDL

Result

Metals - Low Level by 1600 Series Methods Method: EPA 1640

Instr: ICPMS03

MRI

MRI

Units

Dil

Analyzed

Batch ID: W2B1374 Preparation: EPA 1640#Preconcentration Prepared: 02/18/22 13:47 Analyst: ALN Copper, Dissolved 0.0038 0.010 02/18/22 8.6 ug/l

Analyte

Sample Results

C-3-W11 Sampled: 01/31/22 11:30 by Marisa Swiderski/Rolf Schottle Sample: 2B01027-03 (Sea Water)

MDL MRL Units Analyzed Qualifier Result

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W2B1374 Prepared: 02/18/22 13:47 Preparation: EPA 1640#Preconcentration Analyst: ALN Copper, Dissolved 0.0038 0.010 02/18/22

Sample Results

C-4-W11 Sampled: 01/31/22 11:05 by Marisa Swiderski/Rolf Schottle Sample:

2B01027-04 (Sea Water)

MDL MRI Units Analyzed Qualifier Analyte Result

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W2B1374 Preparation: EPA 1640#Preconcentration Prepared: 02/18/22 13:47 Analyst: ALN 0.0038 02/18/22 Copper, Dissolved ug/l

Sample Results

Sample: C-5-W11 Sampled: 01/31/22 11:00 by Marisa Swiderski/Rolf Schottle

2B01027-05 (Sea Water)

MDL Analyzed Qualifier Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W2B1374 Prepared: 02/18/22 13:47 Analyst: ALN Preparation: EPA 1640#Preconcentration 0.010 Copper, Dissolved 0.0038 02/18/22 ug/l

2B01027 Page 3 of 8



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 **Project Number:** SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/22/2022 16:52

Project Manager: Marisa Swiderski

Sample Results							(Continued)
Sample: C-6-W11			Sa	ampled: 01/31	/22 10:25 b _:	y Marisa Swide	rski/Rolf Schottle
2B01027-06 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2B1374	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	18/22 13:47			Analyst: ALN
Copper, Dissolved	11	0.076	0.20	ug/l	20	02/18/22	
Sample Results							(Continued
Sample: C-6-Dup-W11			Sa	ampled: 01/31	/22 10:35 b _:	y Marisa Swide	rski/Rolf Schottle
2B01027-07 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
letals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2B1374	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	18/22 13:47			Analyst: ALN
Copper, Dissolved	8.7	0.0038	0.010	ug/l	1	02/18/22	
Sample Results							(Continued
Sample Results Sample: C-7-W11			Sa	ampled: 01/31	/22 10:50 b _:	y Marisa Swide	<u> </u>
<u> </u>			Sa	ampled: 01/31	/22 10:50 b _!	y Marisa Swide	<u> </u>
Sample: C-7-W11	Result	MDL	S <i>a</i> MR L	ampled: 01/31 Units	/22 10:50 b _!	y Marisa Swide Analyzed	rski/Rolf Schottl
Sample: C-7-W11 2B01027-08 (Sea Water) Analyte	Result	MDL					rski/Rolf Schottl
Sample: C-7-W11 2B01027-08 (Sea Water) Analyte	Result	MDL		Units			rski/Rolf Schottl
Sample: C-7-W11 2B01027-08 (Sea Water) Analyte Metals - Low Level by 1600 Series Methods	Result Preparation: EPA 1640#Preconcentration	MDL	MRL	Units			rski/Rolf Schottl Qualifie
Sample: C-7-W11 2B01027-08 (Sea Water) Analyte Metals - Low Level by 1600 Series Methods Method: EPA 1640		MDL 0.0038	MRL Instr: ICPMS03	Units			rski/Rolf Schottl Qualifie
Sample: C-7-W11 2B01027-08 (Sea Water) Analyte Metals - Low Level by 1600 Series Methods Method: EPA 1640 Batch ID: W2B1374	Preparation: EPA 1640#Preconcentration		MRL Instr: ICPMS03 Prepared: 02/1	Units	Dil	Analyzed	rski/Rolf Schottl Qualifie Analyst: ALN
Sample: C-7-W11 2B01027-08 (Sea Water) Analyte Metals - Low Level by 1600 Series Methods Method: EPA 1640 Batch ID: W2B1374 Copper, Dissolved	Preparation: EPA 1640#Preconcentration		MRL Instr: ICPMS03 Prepared: 02/1 0.010	Units 8/22 13:47 ug/l	Dil	Analyzed 02/18/22	rski/Rolf Schottle Qualifie Analyst: ALN (Continued
Sample: C-7-W11 2B01027-08 (Sea Water) Analyte Metals - Low Level by 1600 Series Methods Method: EPA 1640 Batch ID: W2B1374 Copper, Dissolved Sample Results	Preparation: EPA 1640#Preconcentration		MRL Instr: ICPMS03 Prepared: 02/1 0.010	Units 8/22 13:47 ug/l	Dil	Analyzed 02/18/22	rski/Rolf Schottl Qualifie Analyst: ALN (Continued
Sample: C-7-W11 2B01027-08 (Sea Water) Analyte Metals - Low Level by 1600 Series Methods Method: EPA 1640 Batch ID: W2B1374 Copper, Dissolved Sample Results Sample: C-8-W11	Preparation: EPA 1640#Preconcentration		MRL Instr: ICPMS03 Prepared: 02/1 0.010	Units 8/22 13:47 ug/l	Dil	Analyzed 02/18/22	Rualifie Analyst: ALN (Continued rski/Rolf Schottl
Sample: C-7-W11 2B01027-08 (Sea Water) Analyte Metals - Low Level by 1600 Series Methods Method: EPA 1640 Batch ID: W2B1374 Copper, Dissolved Sample Results Sample: C-8-W11 2B01027-09 (Sea Water) Analyte	Preparation: EPA 1640#Preconcentration 8.2	0.0038	MRL Instr: ICPMS03 Prepared: 02/1 0.010	Units 18/22 13:47 ug/l ampled: 01/31	Dil 1 /22 10:40 b	Analyzed 02/18/22 y Marisa Swide	rski/Rolf Schottl Qualifie Analyst: ALN (Continued
Sample: C-7-W11 2B01027-08 (Sea Water) Analyte Metals - Low Level by 1600 Series Methods Method: EPA 1640 Batch ID: W2B1374 Copper, Dissolved Sample Results Sample: C-8-W11 2B01027-09 (Sea Water) Analyte	Preparation: EPA 1640#Preconcentration 8.2	0.0038	MRL Instr: ICPMS03 Prepared: 02/1 0.010	Units 18/22 13:47 ug/l ampled: 01/31 Units	Dil 1 /22 10:40 b	Analyzed 02/18/22 y Marisa Swide	Qualifie Analyst: ALN (Continued
Sample: C-7-W11 2B01027-08 (Sea Water) Analyte Metals - Low Level by 1600 Series Methods Method: EPA 1640 Batch ID: W2B1374 Copper, Dissolved Sample Results Sample: C-8-W11 2B01027-09 (Sea Water) Analyte Metals - Low Level by 1600 Series Methods	Preparation: EPA 1640#Preconcentration 8.2	0.0038	MRL Instr: ICPMS03 Prepared: 02/1 0.010 Sa	Units 18/22 13:47 ug/l ampled: 01/31 Units	Dil 1 /22 10:40 b	Analyzed 02/18/22 y Marisa Swide	(Continued rski/Rolf Schottle Qualifie Analyst: ALN (Continued rski/Rolf Schottle Qualifie Analyst: ALN

Sample Results

Sample: C-9-W11

Sampled: 01/31/22 10:30 by Marisa Swiderski/Rolf Schottle

(Continued)

2B01027-10 (Sea Water)

Analyte Result MDL MRL Units Dil Analyzed Qualifier

Metals - Low Level by 1600 Series Methods

metals from Level by 1000 Series inclined

Method: EPA 1640 Instr: ICPMS03

 Batch ID: W2B1374
 Preparation: EPA 1640#Preconcentration
 Prepared: 02/18/22 13:47
 Analyst: ALN

 Copper, Dissolved
 11
 0.076
 0.20
 ug/l
 20
 02/18/22

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FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/22/2022 16:52

Project Manager: Marisa Swiderski

Metals - Low Level by 1600 Series Methods Method: EPA 1640 Preparation:	Sample Results							(Continued
Method: EPA 1640	Sample: C-10-W11			Sa	mpled: 01/31	/22 10:10 b	y Marisa Swide	rski/Rolf Schottl
Method: EPA 1640	2B01027-11 (Sea Water)							
Method: EPA 1640	Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualific
## Preparation: EPA 1640@Preconcentration	Netals - Low Level by 1600 Series Methods							
Sample Results Sample Results Sample Results Sample Results Sample Results Sample Results Sample Results Sample Results Sample Result Sample Result Sample Result Sample Result Re	Method: EPA 1640			Instr: ICPMS03				
Sample Result Sample C-11-W11 Sampled: 01/31/22 10:20 by Marisa Swiderski/Rolf School 2801027-12 (Sea Water) Result MDL MRL Units Dil Analyzed Quality MRL MRL Units Dil Analyzed Quality MRL		Preparation: EPA 1640#Preconcentration		•	8/22 13:47			Analyst: ALI
Sample: C-11-W11 Sampled: 01/31/22 10:20 by Marisa Swiderski/Rolf Schot 2B01027-12 (Sea Water) Result MDL MRL Units Dil Analyzed Qualifold Schot 2B01027-12 (Sea Water) Method: EPA 1640 Instr: ICPMS03 Ins	Copper, Dissolved	8.6	0.076	0.20	ug/l	20	02/18/22	
Analyte	Sample Results							(Continued
Metals - Low Level by 1600 Series Methods Method: EPA 1640 Preparation:	Sample: C-11-W11			Sa	mpled: 01/31	/22 10:20 b	y Marisa Swide	rski/Rolf Schott
Method: EPA 1640	2B01027-12 (Sea Water)							
Method: EPA 1640	Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
	Metals - Low Level by 1600 Series Methods							
Copper, Dissolved	Method: EPA 1640			Instr: ICPMS03				
Sample Results Sample	Batch ID: W2B1374	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	8/22 13:47			Analyst: AL
Sample: C-12-W11 Sampled: 01/31/22 10:00 by Marisa Swiderski/Rolf School 2B01027-13 (Sea Water)	Copper, Dissolved	8.1	0.0038	0.010	ug/l	1	02/18/22	
Result MDL MRL Units Did Analyzed Qualiform	Sample Results							(Continued
Analyte Result MDL MRL Units Dil Analyzed Quality Metals - Low Level by 1600 Series Methods Instr: ICPM503 Method: EPA 1640 Instr: ICPM503 Batch ID: W2B1374 Preparation: EPA 1640#Preconcentration Prepared: 02/18/22 13:47 Analyst:	Sample: C-12-W11			Sa	mpled: 01/31	/22 10:00 b	y Marisa Swide	rski/Rolf Schott
Metals - Low Level by 1600 Series Methods Method: EPA 1640 Instr: ICPMS03 Batch ID: W2B1374 Preparation: EPA 1640#Preconcentration Prepared: 02/18/22 13:47 Analyst: All O2/18/22 Copper, Dissolved 6.0 0.0038 0.010 ug/l 1 02/18/22 Continue Sample Results Sample: C-13-W11 Sampled: 01/31/22 9:50 by Marisa Swiderski/Rolf School 2801027-14 (Sea Water) Result MDL MRL Units Dil Analyzed Quality Method: EPA 1640 Instr: ICPMS03 Instr: ICPMS03 Analyst: All O2/18/22 13:47 Analyst: All O2/18/22 13:47 Analyst: All O2/18/22 13:47	2B01027-13 (Sea Water)							
Method: EPA 1640 Instr: ICPMS03 Batch ID: W2B1374 Preparation: EPA 1640#Preconcentration Prepared: 02/18/22 13:47 Analyst: All O2/18/22 Copper, Dissolved 6.0 0.0038 0.010 ug/l 1 02/18/22 Continue Sample: C-13-W11 Sampled: 01/31/22 9:50 by Marisa Swiderski/Rolf School 2B01027-14 (Sea Water) Result MDL MRL Units Dil Analyzed Quality Analyte Result MDL MRL Units Dil Analyzed Quality Method: EPA 1640 Batch ID: W2B1374 Preparation: EPA 1640#Preconcentration Prepared: 02/18/22 13:47 Analyst: All	Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
Batch ID: W2B1374 Preparation: EPA 1640#Preconcentration Prepared: 02/18/22 13:47 Analyst: All Copper, Dissolved Copper, Dissolved 6.0 0.0038 0.010 ug/l 1 02/18/22 Continue Sample: C-13-W11 Sampled: 01/31/22 9:50 by Marisa Swiderski/Rolf School 2801027-14 (Sea Water) Result MDL MRL Units Dil Analyzed Quality Method: EPA 1640 Instr: ICPMS03 Instr: ICPMS03 Analyst: All CPMS03 Analyst: All CPMS03<	Metals - Low Level by 1600 Series Methods							
Copper, Dissolved 6.0 0.0038 0.010 ug/l 1 02/18/22 Sample Results Sample: C-13-W11 Sampled: 01/31/22 9:50 by Marisa Swiderski/Rolf School 2801027-14 (Sea Water) Analyte Result MDL MRL Units Dil Analyzed Quality Wetals - Low Level by 1600 Series Methods Instr: ICPMS03 Batch ID: W2B1374 Preparation: EPA 1640#Preconcentration Prepared: 02/18/22 13:47 Analyst: All	Method: EPA 1640			Instr: ICPMS03				
Sample Results Sample: C-13-W11 Sampled: 01/31/22 9:50 by Marisa Swiderski/Rolf School 2B01027-14 (Sea Water)	Batch ID: W2B1374	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	8/22 13:47			Analyst: ALI
Sample: C-13-W11 Sampled: 01/31/22 9:50 by Marisa Swiderski/Rolf School 2B01027-14 (Sea Water)	Copper, Dissolved	6.0	0.0038	0.010	ug/l	1	02/18/22	
Analyte Result MDL MRL Units Dil Analyzed Qualit Metals - Low Level by 1600 Series Methods Method: EPA 1640 Batch ID: W2B1374 Preparation: EPA 1640#Preconcentration Prepared: 02/18/22 13:47 Analyst: All	Sample Results							(Continued
Analyte Result MDL MRL Units Dil Analyzed Quality Wetals - Low Level by 1600 Series Methods Method: EPA 1640 Batch ID: W2B1374 Preparation: EPA 1640#Preconcentration Prepared: 02/18/22 13:47 Analyst: All	Sample: C-13-W11			Sa	ampled: 01/3	1/22 9:50 b	y Marisa Swide	rski/Rolf Schott
Metals - Low Level by 1600 Series Methods Method: EPA 1640 Batch ID: W2B1374 Preparation: EPA 1640#Preconcentration Prepared: 02/18/22 13:47 Analyst: All	2B01027-14 (Sea Water)							
Method: EPA 1640 Batch ID: W2B1374 Preparation: EPA 1640#Preconcentration Prepared: 02/18/22 13:47 Analyst: All	Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
Batch ID: W2B1374 Preparation: EPA 1640#Preconcentration Prepared: 02/18/22 13:47 Analyst: All	Metals - Low Level by 1600 Series Methods							
•	Method: EPA 1640			Instr: ICPMS03				
·	Batch ID: W2B1374	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	8/22 13:47			Analyst: ALI
	Copper, Dissolved	•	0.076	-		20	02/18/22	•

Sample: C-REF-1-W11

Sampled: 01/31/22 9:45 by Marisa Swiderski/Rolf Schottle

(Continued)

2B01027-15 (Sea Water)

Analyte Result MDL MRL Units Dil Analyzed Qualifier

Metals - Low Level by 1600 Series Methods

Sample Results

Method: EPA 1640 Instr: ICPMS03

 Batch ID: W2B1377
 Preparation: EPA 1640#Preconcentration
 Prepared: 02/18/22 15:33
 Analyst: ALN

 Copper, Dissolved
 0.0038
 0.010
 ug/l
 1
 02/19/22

2B01027 Page 5 of 8



02/19/22

FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Copper, Dissolved

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

02/22/2022 16:52

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	A			,
	4			

(Continued)

	ample Results							(Continued
Sample:	C-REF-2-W11			Sa	ampled: 01/31	/22 9:35 b	y Marisa Swide	ski/Rolf Schottle
	2B01027-16 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
letals - Low	Level by 1600 Series Methods							
Method: EP	A 1640			Instr: ICPMS03				
Batch ID:	W2B1377	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	8/22 15:33			Analyst: ALN
Copper, D	Dissolved	0.90	0.0038	0.010	ug/l	1	02/19/22	
Sa	ample Results							(Continued)
Sample:	FB-W11			Si	ampled: 01/31	/22 9:25 b	y Marisa Swide	ski/Rolf Schottle
	2B01027-17 (Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
/letals - Low	Level by 1600 Series Methods							
	•							
Method: EP	A 1640			Instr: ICPMS03				
Method: EPA		Preparation: EPA 1640#Preconcentration		Instr: ICPMS03 Prepared: 02/1				Analyst: ALN
	W2B1377	Preparation: EPA 1640#Preconcentration ND	0.0038			1	02/19/22	Analyst: ALN
Batch ID: Copper, D	W2B1377	· · · · · · · · · · · · · · · · · · ·	0.0038	Prepared: 02/1	8/22 15:33	1	02/19/22	·
Batch ID: Copper, D	W2B1377 Dissolved	· · · · · · · · · · · · · · · · · · ·	0.0038	Prepared: 02/1 0.010	8/22 15:33 ug/l	·		(Continued)
Batch ID: Copper, D	w _{2B1377} Dissolved ample Results	· · · · · · · · · · · · · · · · · · ·	0.0038	Prepared: 02/1 0.010	8/22 15:33 ug/l	·		(Continued)
Batch ID: Copper, D	w2B1377 Dissolved ample Results N8-ER-W11	· · · · · · · · · · · · · · · · · · ·	0.0038	Prepared: 02/1 0.010	8/22 15:33 ug/l	·		(Continued
Batch ID: Copper, D Sample: Analyte	w2B1377 Dissolved ample Results N8-ER-W11	ND		Prepared: 02/1 0.010	8/22 15:33 ug/l ampled: 01/31	//22 9:35 b	y Marisa Swide	(Continued)
Batch ID: Copper, D Sample: Analyte	W2B1377 Dissolved ample Results N8-ER-W11 2B01027-18 (Water) Level by 1600 Series Methods	ND		Prepared: 02/1 0.010	8/22 15:33 ug/l ampled: 01/31 Units	//22 9:35 b	y Marisa Swide	Analyst: ALN (Continued) rski/Rolf Schottle

0.0038

0.010

Project Manager: Marisa Swiderski



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

02/22/2022 16:52

Quality Control Results

Metals - Low Level by 1600 Series Methods											
					Spike	Source		%REC		RPD	
Analyte	Result	MDL	MRL	Units	Level	Result	%REC	Limits	RPD	Limit	Qualifie
Batch: W2B1374 - EPA 1640											
Blank (W2B1374-BLK1)					Prepared & A	nalyzed: 02/1	18/22				
Copper, Dissolved	ND	0.0038	0.010	ug/l							
LCS (W2B1374-BS1)					Prepared & A	nalyzed: 02/1	18/22				
Copper, Dissolved	9.54	0.0038	0.010	ug/l	10.0		95	70-130			
Matrix Spike (W2B1374-MS1)	Source: 2	A26038-20			Prepared & A	nalvzed: 02/1	18/22				
Copper, Dissolved			0.010	ug/l	10.0	10.7	99	70-130			
Matrix Spike (W2B1374-MS2)	Source: 2	A26038-21			Prepared & A	nalyzed: 02/1	18/22				
Copper, Dissolved			0.010	ug/l	10.0	10.9	103	70-130			
Matrix Spike Dup (W2B1374-MSD1)	Source: 2	A26038-20			Prepared & A	nalvzed: 02/1	18/22				
Copper, Dissolved			0.010	ug/l	10.0	10.7	105	70-130	3	30	
Matrix Spike Dup (W2B1374-MSD2)	Source: 2	A26038-21			Prepared & A	nalvzed: 02/1	18/22				
Copper, Dissolved			0.010	ug/l	10.0	10.9	96	70-130	3	30	
Batch: W2B1377 - EPA 1640											
Blank (W2B1377-BLK1)					Prepared & A	nalyzed: 02/1	18/22				
Copper, Dissolved	ND	0.0038	0.010	ug/l	r repared & A	nalyzea. oz,	. 0, 22				
LCS (W2B1377-BS1)					Prepared & A	nalyzed: 02/1	18/22				
Copper, Dissolved	9.50	0.0038	0.010	ug/l	10.0	nalyzea. oz,	95	70-130			
Matrix Spike (W2B1377-MS1)	Source: 2	B01027-15			Prepared & A	nalyzed: 02/1	18/22				
Copper, Dissolved			0.010	ug/l	10.0	0.559	99	70-130			
Matrix Spike (W2B1377-MS2)	Source: 2	B01027-16		Dro	pared: 02/18/2	2 Analyzad	02/19/23	,			
Copper, Dissolved			0.010	ug/l	10.0	0.899	95	70-130			
Matrix Spike Dup (W2B1377-MSD1)	Source: 3	B01027-15		Dro	pared: 02/18/2	2 Analyzod	02/10/23	•			
Copper, Dissolved			0.010	ug/l	10.0	0.559	96	70-130	3	30	
Matrix Spike Dup (W2B1377-MSD2)	Source: 2	B01027-16		Dra	pared: 02/18/2	2 Analyzed	02/19/23	,			
Copper, Dissolved			0.010	ug/l	10.0	0.899		70-130	7	30	

Project Manager: Marisa Swiderski



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/22/2022 16:52

Project Manager: Marisa Swiderski



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Notes and Definitions

%REC	Percent Recovery Percent Recovery
Dil	Dilution
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

2B01027 Page 8 of 8

V	V	

3) Preserve any extra volume of each sample for dissolved metals to archive.

5) WECK will contact Wood PM within 24 hours if any sample anomalies are found.

4) SPIKE level at the following amounts: Copper = 10 ug/L

Weck Laboratories, Inc.

Analytical Laboratory Services - Since 1964

CHAIN OF CUSTODY RECORD

2B01027

14009 Last Clark A		•							•	3 I A	NDAL	(D							- 4	
Tel 626-336-2139	♦ Fax 626	-336-2634	♦ wwv	v.wecklabs.cor	m											Page	e1_	Of_	2	
CLIENT NAME:				PROJECT:						ANA	LYSES	REQU	JEST	ED		SPE	CIAL HA	NDLIN	<u>IG</u>	
Wood Environment & ADDRESS: 9177 Sky Park Ct. San Diego, CA 92123		e Solutions,	Inc.	(P. PHONE: 858 FAX: 858 EMAIL: mar	ort of San 3-300-4324 3-300-4301 risa.swiders	4	ım.	3 µg/L, RL= 0.01 µg/L								grane grane grane	24 Hc 48-72 4 - 5 [Rush	Day Rush ur Rush 1 Hour Rus Day Rush Extraction usiness Da	00% sh 75% 30% as 50%	
PROJECT MANAGER				SAMPLER		•		er ^{1,2}			ŀ					quian		C Data Pa	,	
Marisa Swiderski				Marisa Swiders	ski (MS) / I	Rolf Schottle	(RS)	Sopp ADL C								Charges			ends/holida	ıys
ID#	DATE	TIME	SMPL				# OF	ved (Method o	f Shipmer	ıt:		-
(For lab Use Only)	SAMPLED	SAMPLED	TYPE		FICATION/SI	ITE LOCATION	CONT.	Dissolv EPA 16								COMMEN	ITS			
	01/31/22	11:25		C-1-W11			1	Х												
	01/31/22	12:00		C-2-W11			1	Х				_				ļ				
	01/31/22	11:30		C-3-W11			1	X				\perp								
	01/31/22	11:05		C-4-W11			1	X												
	01/31/22	11:00	+	C-5-W11			1	Х				-		_	_					
	01/31/22	10:25		C-6-W11			1	X		_		+				extra vol	. analyze	sample	e MS/MSD	ᆜ
	01/31/22	10:35		C-6-Dup-W11			1	Х	_	_		+						· · · · · · · · · · · · · · · · · · ·		_
	01/31/22	10:50		C-7-W11 C-8-W11			1	X		-		4			_	-				
	01/31/22	10:40 10:30		C-9-W11			1	X		-		+			_	 				
·	01/31/22	10:30		C-10-W11			1	$\frac{\lambda}{X}$			-	+-+			-	-				
RELINQUISHED B		10.10		/ TIME		RECEIVED	RV.	_^ 1				ers t	. 475			<u> </u>		SAMP	LE TYPE COI	DF:
Marina de	widerdi		่อน	101/2022 0	900	Mas	al	C	52/e	أرد	<u> 2017</u>	9.0			APLE Co emperatu	ONDITION:	.2' L	AQ≓A NA∺ N SL = S	queous Ion Aqueous Bludge	
RELINQUISHED B	Y		DATE	/ TIME		RECEIVED	BY		ļ	1					d On Ice				Drinking Wat	
Masa					1:18	Jana		07	Joil	11	गाष्ट्र			Preserve Evidence Containe	e Seals P	resent	Y (A)	Ŋ RW =	Waste Wate Rain Water Ground Wate	
RELINQUISHED BY	g		DATE	TIME /		RECEIVED	BY							reserve	ed at Lab		· ÝM) so=s		
															70250	1		OL = 0	Solid Waste Oil Other Matrix	
SPECIAL REQUIREME	NTS / BILLING	INFORMATIC	ŌΝ	-			 		Р	lease	submi	t invoice	es to	APInvo	ice.US@	woodplc.	com and			
1 <u>) LAB ACTION</u> : PRESI	ERVE Cu samp	oles IMMEDIA	TELY. H	iDPE metals botti∈	s have NO	acid (HNO3) in	bottle.				-	rmation								
2) Dissolved metals were	e field filtered u	sing 0.45 um l	bottletop	filt. system.							ect#: 2 #: N/A	015100	113.0	UUZA.W	IECK					

(3) Org: 3151

(4) GL: 573000

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Weck Laboratories, Inc. Analytical Laboratory Services - Since 1964

CHAIN OF CUSTODY RECORD 2B01027

14859 East Clark Avenue: Industry : CA 91745							SIF	<i>∤</i> ΝD	AKL	J							-				
Tel 626-336-2139	♦ Fax 626-	-336-2634	♦ wwv	v.wecklab	s.com													<u>Page</u>	2	Of_	2
CLIENT NAME:		•		PROJECT:						ÁN.	ALYS	SESI	REQU	JEST	ED		-	SPECIA	AL HAI	IDLIN	3
Wood Environment & ADDRESS:	i Infrastructure	e Solutions,	Inc.	SIN	/B IWHC Paus (Port of Sar 858-300-432	n Diego)		: 0.01 µg/L										greates greates greates	24 Hou	Day Rush 1 r Rush 100 Iour Rush	0%
9177 Sky Park Ct.				FAX:	858-300-430)1		RE= (İ			yman.	4 - 5 Da	ay Rush 30)%
San Diego, CA 9212	3			EMAIL:	marisa.swider	ski@woodplc.co	<u>om</u>	g/L, F										**************************************	Rush E	xtractions	50%
	-				barry.snyder@	<u>@woodplc.com</u>		, 88 38										7	10 Bus	iness Day	'S
PROJECT MANAGER				SAMPLER				per ^{1,} 0.00										y 177500.	QA/QC	Data Paci	kage
Marisa Swiderski				Marisa Sv	/iderski (MS) /	Rolf Schottle	(RS)	Cop MDE						İ				Charges wi			nds/holiday
ID# (For lab Use Only)	DATE SAMPLED	TIME SAMPLED	SMPL	SAMPLE II	DENTIFICATION/S	SITE LOCATION	# OF CONT.	Dissolved EPA 1640										Method of S	•	:	
	01/31/22	10:20		C-11-W11			1	X						\neg							
	01/31/22	10:00	-	C-12-W11			1	Х										İ			
1	01/31/22	9:50	seawater	C-13-W11			1	Х													
	01/31/22	9:45	seawater	C-REF-1-	W11		1	Χ													
	01/31/22	9:35		C-REF-2-	W11		1	X													
	01/31/22	9:25		FB-W11			1	X							\dashv		ļ <u> </u>				
	01/31/22	9:35	Di	N8-ER-W	11		1	X										-			
															_						
DELINOUSCHED B	<u> </u>		DATE	 		RECEIVED	DV													SAMPI.	E TYPE CODE
RELINQUISHED B Morrow Sur RELINQUISHED B	clerili		02		2 0900	1, 1	10	\	07	<u>'-0</u>	1-7	22/	[/] ૧:	<u>00 </u>	Actual	AMPI I Temp ved Or	peratu	ondition:	' (Ϋ́) Ν	AQ=Aqı NA= No SL = Slı	ueous on Aqueous
Maral	(9		OZ-	01-22 TIME /	10:18	RECEIVED	Jum	02	loi	121	(1	18		i	Contai		ntact	resent	¥6	RW = R	Waste Water Rain Water Bround Water
RELINQUISHED B				: / IIIVI⊏ <i> </i>		RECEIVEL	<i>,</i> D1									٦	70ES		' ()	SW = S OL = Oi OT = O	iolid Waste il ther Matrix
SPECIAL REQUIREMENTS / BILLING INFORMATION 1) LAB ACTION: PRESERVE Cu samples IMMEDIATELY. I 2) Dissolved metals were field filtered using 0.45 um bottleto 3) Preserve any extra volume of each sample for dissolved n 4) SPIKE level at the following amounts: Copper = 10 ug/L 5) WECK will contact Wood PM within 24 hours if any sample			ATELY. F bottletor solved m 0 ug/L	o filt. system etals to arch	ive.	O acid (HNO3) i	n bottle	i.		follov	wing i oject O #: N rg: 31	inforr #: 20 I/A I51	natio					@woodplc.co	om and i	nclude ti	ie .

WEEK 12 ANALYTICAL RESULTS



FINAL REPORT

Work Orders: 2B10049 Report Date: 2/23/2022

Received Date: 2/10/2022

Turnaround Time: Normal

Phones: (858) 300-4324

Fax: (858) 278-5300

P.O. #:

Billing Code:

Project: SIYB IWHC Pause Pilot (Port of San Diego)

Attn: Marisa Swiderski

Client: Wood - San Diego

9177 Sky Park Court, Ste A San Diego, CA 92123

ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • LACSD #10143 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Marisa Swiderski,

Enclosed are the results of analyses for samples received 2/10/22 with the Chain-of-Custody document. The samples were received in good condition, at 4.4 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Chris Samatmanakit Project Manager

1: State











FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

02/23/2022 18:39



Case Narrative

Final Report: This is a complete final report. The information in this report applyies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Project Manager: Marisa Swiderski



Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
C-1-W12	Marisa Swiderski/Kate Buckley	2B10049-01	Sea Water	02/09/22 11:20	
C-2-W12	Marisa Swiderski/Kate Buckley	2B10049-02	Sea Water	02/09/22 12:00	
C-3-W12	Marisa Swiderski/Kate Buckley	2B10049-03	Sea Water	02/09/22 11:10	
C-4-W12	Marisa Swiderski/Kate Buckley	2B10049-04	Sea Water	02/09/22 10:30	
C-5-W12	Marisa Swiderski/Kate Buckley	2B10049-05	Sea Water	02/09/22 10:55	
C-6-W12	Marisa Swiderski/Kate Buckley	2B10049-06	Sea Water	02/09/22 09:45	
C-7-W12	Marisa Swiderski/Kate Buckley	2B10049-07	Sea Water	02/09/22 10:35	
C-8-W12	Marisa Swiderski/Kate Buckley	2B10049-08	Sea Water	02/09/22 10:25	
C-9-W12	Marisa Swiderski/Kate Buckley	2B10049-09	Sea Water	02/09/22 10:15	
C-10-W12	Marisa Swiderski/Kate Buckley	2B10049-10	Sea Water	02/09/22 09:55	
C-11-W12	Marisa Swiderski/Kate Buckley	2B10049-11	Sea Water	02/09/22 10:00	
C-12-W12	Marisa Swiderski/Kate Buckley	2B10049-12	Sea Water	02/09/22 09:30	
C-13-W12	Marisa Swiderski/Kate Buckley	2B10049-13	Sea Water	02/09/22 09:00	
C-REF-1-W12	Marisa Swiderski/Kate Buckley	2B10049-14	Sea Water	02/09/22 09:10	
C-REF-2-W12	Marisa Swiderski/Kate Buckley	2B10049-15	Sea Water	02/09/22 08:55	
FB-W12	Marisa Swiderski/Kate Buckley	2B10049-16	Sea Water	02/09/22 08:35	
N3-ER-W12	Marisa Swiderski/Kate Buckley	2B10049-17	Sea Water	02/09/22 08:45	
E-14-W12	Marisa Swiderski/Kate Buckley	2B10049-18	Sea Water	02/09/22 11:35	
E-14-Dup-W12	Marisa Swiderski/Kate Buckley	2B10049-19	Sea Water	02/09/22 11:45	
E-15-W12	Marisa Swiderski/Kate Buckley	2B10049-20	Sea Water	02/09/22 10:55	
E-16-W12	Marisa Swiderski/Kate Buckley	2B10049-21	Sea Water	02/09/22 10:15	
E-17-W12	Marisa Swiderski/Kate Buckley	2B10049-22	Sea Water	02/09/22 10:45	
E-18-W12	Marisa Swiderski/Kate Buckley	2B10049-23	Sea Water	02/09/22 09:30	
E-19-W12	Marisa Swiderski/Kate Buckley	2B10049-24	Sea Water	02/09/22 09:45	
E-20-W12	Marisa Swiderski/Kate Buckley	2B10049-25	Sea Water	02/09/22 09:20	

2B10049 Page 2 of 9



Sampled: 02/09/22 12:00 by Marisa Swiderski/Kate Buckley

FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/23/2022 18:39

Project Manager: Marisa Swiderski

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Sample Results

Sample:	C-1-W12			Sa	mpled: 02/09	/22 11·20 hv	, Marisa Swider	ski/Kate Buckley			
Sumple.	C 1 W12			Ju	mpica. 02, 03,	/ LL 11.LU D	, mansa swiaci	Skij Rute Buckiey			
	2B10049-01 (Sea Water)										
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier			
Metals - Low L	Metals - Low Level by 1600 Series Methods										
Method: EPA	x 1640			Instr: ICPMS03							
Batch ID: V	W2B1377	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	8/22 15:33			Analyst: ALN			
Copper, Di	issolved	9.4	0.0038	0.010	ug/l	1	02/19/22				



Sample:

Sample Results

	2B10049-02 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Le	evel by 1600 Series Methods							

C-2-W12

Method: EPA 1640				Instr: ICPMS03				
Batch ID: W2B1377	Preparation: EPA 1640#Preconcentration			Prepared: 02/1	Analyst: ALN			
Copper, Dissolved		9.5	0.0038	0.010	ug/l	1	02/19/22	



Sample Results

Sample:	C-3-W12 Sampled:						y Marisa Swider	ski/Kate Buckley
	2B10049-03 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low L	evel by 1600 Series Methods							
Method: EPA	1640			Instr: ICPMS03	3			
Batch ID: W	/2B1377	Preparation: EPA 1640#Preconcentration		Prepared: 02/	18/22 15:33			Analyst: ALN
Copper, Di	ssolved		0.0038	0.010	ug/l	1	02/19/22	



Sample Results

Sample.	C 4 W12	Sampled: 02/05/22 10.30 by Walls a Swiderski/ Nate Buckley
	2B10049-04 (Sea Water)	

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640		In	str: ICPMS03				

Batch ID: W2B1377	Preparation: EPA 1640#Preconcentration		Prepared: 02/18	3/22 15:33			Analyst: ALN
Copper, Dissolved	9.8	0.0038	0.010	ug/l	1	02/19/22	



Sample Results

Sample:	C-5-W12			Sa	mpled: 02/09	/22 10:55 b	y Marisa Swider	ski/Kate Buckley
	2B10049-05 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low L	evel by 1600 Series Methods							
Method: EPA	1640			Instr: ICPMS03				
Batch ID: V	V2B1377	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	8/22 15:33			Analyst: ALN
Copper, Di	ssolved	9.6	0.0038	0.010	ug/l	1	02/19/22	

2B10049 Page 3 of 9



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Batch ID: W2B1377

Copper, Dissolved

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/23/2022 18:39

Analyst: ALN

02/19/22

San Diego, CA 92123	Project Manager:	Marisa S	widerski				
Sample Results							(Continued)
Sample: C-6-W12			S	ampled: 02/09	9/22 9:45 b	y Marisa Swide	rski/Kate Buckley
2B10049-06 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2B1377	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	18/22 15:33			Analyst: ALN
Copper, Dissolved	10	0.0038	0.010	ug/l	1	02/19/22	
Sample Results							(Continued)
Sample: C-7-W12			Sa	ampled: 02/09,	/22 10:35 b	y Marisa Swide	rski/Kate Buckley
2B10049-07 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2B1377	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	18/22 15:33			Analyst: ALN
Copper, Dissolved	9.2	0.0038	0.010	ug/l	1	02/19/22	
Sample Results							(Continued)
Sample: C-8-W12			Sa	ampled: 02/09,	/22 10:25 b	y Marisa Swide	rski/Kate Buckley
2B10049-08 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2B1377	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	18/22 15:33			Analyst: ALN
Copper, Dissolved	9.7	0.0038	0.010	ug/l	1	02/19/22	
Sample Results							(Continued)
Sample: C-9-W12			Sa	ampled: 02/09	/22 10:15 b	y Marisa Swide	rski/Kate Buckley
2B10049-09 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2B1377	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	18/22 15:33			Analyst: ALN
Copper, Dissolved		0.0038	0.010	ug/l	1	02/19/22	
Sample Results							(Continued)
Sample: C-10-W12			S	ampled: 02/09	9/22 9:55 b	y Marisa Swide	rski/Kate Buckley
2B10049-10 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				

2B10049 Page 4 of 9

Preparation: EPA 1640#Preconcentration

- - - - - 8.5

0.0038

Prepared: 02/18/22 15:33

ug/l

0.010



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Batch ID: W2B1377

Copper, Dissolved

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/23/2022 18:39

Analyst: ALN

02/19/22

Project Manager: Marisa Swiderski

					(
	L	/	k	7	`

Sa	mple Results							(Continued)
Sample:	C-11-W12			Sa	mpled: 02/09/2	.2 10:00 b	y Marisa Swide	rski/Kate Buckley
	2B10049-11 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Lo	evel by 1600 Series Methods							
Method: EPA	1640			Instr: ICPMS03				
Batch ID: W	/2B1377	Preparation: EPA 1640#Preconcentration		Prepared: 02/18	8/22 15:33			Analyst: ALN
Copper, Dis	ssolved	7.9	0.0038	0.010	ug/l	1	02/19/22	
Sa	mple Results							(Continued)
Sample:	C-12-W12			Sa	mpled: 02/09/	22 9:30 b	y Marisa Swide	rski/Kate Buckley
	2B10049-12 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Lo	evel by 1600 Series Methods							
Method: EPA	1640			Instr: ICPMS03				
Batch ID: W	/2B1377	Preparation: EPA 1640#Preconcentration		Prepared: 02/18	8/22 15:33			Analyst: ALN
Copper, Dis	ssolved	5.7	0.0038	0.010	ug/l	1	02/19/22	
Sa	mple Results							(Continued)
Sample:	C-13-W12			Sa	mpled: 02/09/	22 9:00 b	y Marisa Swide	rski/Kate Buckley
·	2B10049-13 (Sea Water)				·		•	,
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
-	evel by 1600 Series Methods							
Method: EPA	1640			Instr: ICPMS03				
Batch ID: W	/2B1377	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	8/22 15:33			Analyst: ALN
Copper, Dis	ssolved	3.6	0.0038	0.010	ug/l	1	02/19/22	•
Sa	mple Results							(Continued)
Sample:	C-REF-1-W12			Sa	mpled: 02/09/	22 9:10 b	y Marisa Swide	rski/Kate Buckley
	2B10049-14 (Sea Water)							
Analyte	23.00.13 1. (300 1.00.)	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
-	evel by 1600 Series Methods						•	-
Method: EPA	•			Instr: ICPMS03				
Batch ID: W		Preparation: EPA 1640#Preconcentration		Prepared: 02/18	8/22 15:33			Analyst: ALN
Copper, Dis		1.6	0.0038	0.010	ug/l	1	02/19/22	
Sa	mple Results							(Continued)
Sample:	C-REF-2-W12			Sa	mpled: 02/09/	22 8:55 b	y Marisa Swide	rski/Kate Buckley
·	2B10049-15 (Sea Water)				,			ŕ
Analyte	(300)	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
-	evel by 1600 Series Methods						,	
Method: EPA	-			Instr: ICPMS03				

2B10049 Page 5 of 9

0.0038

Prepared: 02/18/22 15:33

ug/l

0.010

Preparation: EPA 1640#Preconcentration



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/23/2022 18:39

(Continued)

Project Manager: Marisa Swiderski

Sample Results							(Continued)
Sample: FB-W12			S	ampled: 02/09	/22 8:35 b	y Marisa Swider	rski/Kate Buckley
2B10049-16 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03	\$			
Batch ID: W2B1377	Preparation: EPA 1640#Preconcentration		Prepared: 02/1	18/22 15:33			Analyst: ALN
Copper, Dissolved	1.1	0.0038	0.010	ug/l	1	02/19/22	
Sample Results							(Continued)
Sample: N3-ER-W12			S	ampled: 02/09	/22 8:45 b	y Marisa Swider	rski/Kate Buckley
2B10049-17 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03	\$			
Batch ID: W2B1455	Preparation: EPA 1640#Preconcentration		Prepared: 02/2	22/22 15:03			Analyst: ALN
Copper, Dissolved	0.092	0.0038	0.010	ug/l	1	02/22/22	
Sample Results							(Continued)
Sample: E-14-W12			Sá	ampled: 02/09/	/22 11:35 b	y Marisa Swider	rski/Kate Buckley
2B10049-18 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03	}			
Batch ID: W2B1455	Preparation: EPA 1640#Preconcentration		Prepared: 02/2	22/22 15:03			Analyst: ALN
Copper, Dissolved	9.6	0.0038	0.010	ug/l	1	02/22/22	

Sample:

Sample Results E-14-Dup-W12

Sampled: 02/09/22 11:45 by Marisa Swiderski/Kate Buckley

2B10049-19 (Sea Water)

MRL Qualifier MDL Units Analyzed Analyte Result Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W2B1455 Preparation: EPA 1640#Preconcentration Prepared: 02/22/22 15:03 Analyst: ALN 0.0038 02/22/22 Copper, Dissolved ug/l

Sample:

Sample Results

Sampled: 02/09/22 10:55 by Marisa Swiderski/Kate Buckley

2B10049-20 (Sea Water)

MDL MRL Analyzed Qualifier Analyte Metals - Low Level by 1600 Series Methods

E-15-W12

Method: EPA 1640 Instr: ICPMS03

Batch ID: W2B1455 Preparation: EPA 1640#Preconcentration Prepared: 02/22/22 15:03 Analyst: ALN 0.010 Copper, Dissolved 0.0038 02/22/22 ug/l

2B10049 Page 6 of 9



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

2B10049-25 (Sea Water)

Metals - Low Level by 1600 Series Methods

Method: EPA 1640

Batch ID: W2B1455

Copper, Dissolved

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/23/2022 18:39

Project Manager: Marisa Swiderski

Sample Results							(Continued
Sample: E-16-W12			Sa	mpled: 02/09	/22 10:15 b	y Marisa Swide	erski/Kate Buckle
2B10049-21 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2B1455 Copper, Dissolved	Preparation: EPA 1640#Preconcentration 9.5	0.0038	Prepared: 02/2 0.010	2/22 15:03 ug/l	1	02/22/22	Analyst: ALI
	3.3	0.0036	0.010	ug/i	'	UZIZZIZZ	(Continued
Sample Results							(Continued
Sample: E-17-W12			Sa	mpled: 02/09	/22 10:45 b	y Marisa Swide	erski/Kate Buckle
2B10049-22 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2B1455	Preparation: EPA 1640#Preconcentration		Prepared: 02/2				Analyst: ALI
Copper, Dissolved		0.0038	0.010	ug/l	1	02/23/22	
Sample Results							(Continued
Sample: E-18-W12			Sa	ampled: 02/09	9/22 9:30 b	y Marisa Swide	erski/Kate Buckle
2B10049-23 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2B1455	Preparation: EPA 1640#Preconcentration		Prepared: 02/2	2/22 15:03			Analyst: ALI
Copper, Dissolved	10	0.0038	0.010	ug/l	1	02/23/22	
Sample Results							(Continued
Sample: E-19-W12			Sa	ampled: 02/09	9/22 9:45 b	y Marisa Swide	erski/Kate Buckle
2B10049-24 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualific
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2B1455	Preparation: EPA 1640#Preconcentration		Prepared: 02/2	2/22 15:03			Analyst: AL
Copper, Dissolved	9.5	0.0038	0.010	ug/l	1	02/23/22	
Sample Results							(Continued
- NAME							

2B10049 Page 7 of 9

6.8

Preparation: EPA 1640#Preconcentration

MDL

0.0038

MRL

Instr: ICPMS03

0.010

Prepared: 02/22/22 15:03

ug/l

Analyzed

02/23/22

Qualifier

Analyst: aln



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

02/23/2022 18:39

Quality Control Results

					C	C		0/ DEC		222	
					Spike 	Source	0/ DEC	%REC		RPD	0 110
Analyte	Result	MDL	MRL	Units	Level	Result	%REC	Limits	RPD	Limit	Qualifie
atch: W2B1377 - EPA 1640											
Blank (W2B1377-BLK1)					Prepared & A	nalyzed: 02/	18/22				
Copper, Dissolved	ND	0.0038	0.010	ug/l							
LCS (W2B1377-BS1)					Prepared & A	nalyzed: 02/	18/22				
Copper, Dissolved	9.50	0.0038	0.010	ug/l	10.0	•	95	70-130			
Matrix Spike (W2B1377-MS1)	Source: 2	B01027-15			Prepared & A	nalyzed: 02/	18/22				
Copper, Dissolved	10.4	0.0038	0.010	ug/l	10.0	0.559	99	70-130			
Matrix Spike (W2B1377-MS2)	Source: 2	B01027-16		Pre	pared: 02/18/2	2 Analyzed:	02/19/22	2			
Copper, Dissolved	10.4	0.0038	0.010	ug/l	10.0	0.899	95	70-130			
Matrix Spike Dup (W2B1377-MSD1)	Source: 2	B01027-15		Pre	pared: 02/18/2	2 Analyzed:	02/19/22	2			
Copper, Dissolved	10.2	0.0038	0.010	ug/l	10.0	0.559	96	70-130	3	30	
Matrix Spike Dup (W2B1377-MSD2)	Source: 2	B01027-16		Pre	pared: 02/18/2	2 Analyzed:	02/19/22	2			
Copper, Dissolved	11.1	0.0038	0.010	ug/l	10.0	0.899	102	70-130	7	30	
atch: W2B1455 - EPA 1640											
Blank (W2B1455-BLK1)					Prepared & A	nalyzed: 02/2	22/22				
Copper, Dissolved	ND	0.0038	0.010	ug/l		•					
LCS (W2B1455-BS1)					Prepared & A	nalyzed: 02/2	22/22				
Copper, Dissolved	9.72	0.0038	0.010	ug/l	10.0	•	97	70-130			
Matrix Spike (W2B1455-MS1)	Source: 2	B10049-18			Prepared & A	nalyzed: 02/2	22/22				
Copper, Dissolved	19.6	0.0038	0.010	ug/l	10.0	9.58	100	70-130			
Matrix Spike Dup (W2B1455-MSD1)	Source: 2	B10049-18			Prepared & A	nalyzed: 02/	22/22				
Copper, Dissolved	19.6	0.0038	0.010	ug/l	10.0	9.58	100	70-130	0.09	30	

Project Manager: Marisa Swiderski



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/23/2022 18:39

Project Manager: Marisa Swiderski



Item

Notes and Definitions

%REC	Percent Recovery
Dil	Dilution
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

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14859 East Clark Avenue: Industry: CA 91745

5) WECK will contact Wood PM within 24 hours if any sample anomalies are found.

4) SPIKE level at the following amounts: Copper = 10 ug/L

Weck Laboratories, Inc. Analytical Laboratory Services - Since 1964

(3) Org: 3151 (4) GL: 573000

CHAIN OF CUSTODY RECORD

STANDARD

2310040

Tel 626-336-2139	♦ Fax 626-	-336-2634	♦ WWW	/.wecklab	s.com												Page_	!	U_	_ა
CLIENT NAME:				PROJECT:						ANA	ALYS	ES F	REQUE	STE)		SPEC	AL HAI	NDLING	
Wood Environment & ADDRESS: 9177 Sky Park Ct. San Diego, CA 92123		e Solutions, I		PHONE: FAX: EMAIL:	B IWHC Paus (Port of San 858-300-432 858-300-430 marlsa.swiders barry.snyder@	n Diego) 24 01 ski@woodplc.co	om	12 MDL 0.0038 µgÅ., RL= 0.01										24 Hou 48-72 H 4 - 5 Da Rush E 10 Bus	Day Rush 150 r Rush 100% Hour Rush 75 ay Rush 30% Extractions 50 Siness Days	% %
PROJECT MANAGER				SAMPLER	delevent (NAO) /	IZ-t- M	(1/15)	pper 640	i								Channa		Data Packag	
Marisa Swiderski	DATE	T11.45	_	Marisa Sw	riderski (MS) /	rate Buckley		ed Co					!				Method of		or weekends	s/nolidays
ID# (For lab Use Only)	DATE SAMPLED	TIME SAMPLED	SMPL	SAMPLE ID	ENTIFICATION/S	BITE LOCATION	#OF CONT.	⊋ ⊊									COMMENT			
	02/09/22	11:20	seawater	C-1-W12			1	X						\top	1	1				
	02/09/22	12:00		C-2-W12			1	Х												
	02/09/22	11:10	seawater	C-3-W12			1	Х												
	02/09/22	10:30	seawater	C-4-W12			1	Х												
,	02/09/22	10:55	seawater	C-5-W12			1	Х												
	02/09/22	9:45	seawater	C-6-W12			1	Х												
•	02/09/22	10:35	seawater	C-7-W12			1	Х												
	02/09/22	10:25	seawater	C-8-W12			1	Х												
	02/09/22	10:15		C-9-W12			1	Х								<u> </u>				
-	02/09/22	9:55		C-10-W12			1	Х								<u> </u>				
	02/09/22	10:00		C-11-W12			1,	Х												
RELINQUISHED B Marria A	vider	;	02	/ TIME / (0/202	2 0906	RECEIVED	لمري			<u></u>	- - []	cì	12	Act	SAMF ual Tem		ONDITION: ure: ӋҶ	(AQ=Aqued NA= Non A SL ≈ Sludg	Aqueous je
RELINQUISHED B	Sand	=-	2-	/ TIME - [0-1]	/1100		we m	~^	02	10	121	. 1	100	Pre Evi Cor	celved (served dence S ntainer l	Seals P ntact			DW = Drint WW = Was RW = Rain GW = Grou	ste Water 1 Water
RELINQUISHED B				TIME '	<i>\$</i>	RECEIVED) BY									1063	34	Y (N	SO = Soil SW = Solic OL = Oil OT = Othe	er Matrix
SPECIAL REQUIREME 1) LAB ACTION: PRES 2) Dissolved metals wer 3) Preserve any extra vo	ERVE Cu samp e field filtered u blume of each s	oles IMMEDIA sing 0.45 um ample for diss	TELY. F bottletor solved m	filt. system.		Dacid (HNO3) i , 4 boxes filter			fo 1 (2 (3	ollov) Pro 2) Po 3) Or	ving i	inforn #: 201 I/A 51	nation				@woodplc.c	om and i	nclude the	

1 box 500-mL

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Weck Laboratories, Inc. Analytical Laboratory Services - Since 1964

CHAIN OF CUSTODY RECORD

2810049

14859 East Clark Avenue: Industry: CA 91745 **STANDARD** Tel 626-336-2139 ♦ Fax 626-336-2634 ♦ www.wecklabs.com Of Page CLIENT NAME: PROJECT: SPECIAL HANDLING ANALYSES REQUESTED Same Day Rush 150% SIYB IWHC Pause Pilot Study RL = 0.01Wood Environment & Infrastructure Solutions, Inc. (Port of San Diego) 24 Hour Rush 100% ADDRESS: PHONE: 858-300-4324 48-72 Hour Rush 75% 858-300-4301 FAX: 9177 Sky Park Ct. 4 - 5 Day Rush 30% MDL 0.0038 marisa.swiderski@woodplc.com San Diego, CA 92123 EMAIL: Rush Extractions 50% barry.snyder@woodplc.com 10 Business Days PROJECT MANAGER SAMPLER QA/QC Data Package Marisa Swiderski (MS) / Kate Bucklev (KB) Marisa Swiderski Charges will apply for weekends/holidays ed Co Method of Shipment: ID# DATE TIME SMPL #OF SAMPLE IDENTIFICATION/SITE LOCATION (For lab Use Only) SAMPLED SAMPLED CONT COMMENTS TYPE 02/09/22 9:30 C-12-W12 1 Х seawate C-13-W12 02/09/22 9:00 Х seawater seawater C-REF-1-W12 Х 02/09/22 9:10 Х 02/09/22 8:55 C-REF-2-W12 seawater Χ 02/09/22 8:35 DI FB-W12 1 Х 02/09/22 8:45 DI N3-ER-W12 Х 02/09/22 11:35 seawater E-14-W12 1 extra voi. analyze sample MS/MSD 02/09/22 11:45 seawater E-14-Dup-W12 Х 1 seawater E-15-W12 Х 02/09/22 10:55 seawater E-16-W12 02/09/22 10:15 Х seawater E-17-W12 02/09/22 10:45 SAMPLE TYPE CODE: RELINQUISHED BY DATE / TIME RECEIVED BY SAMPLE CONDITION: AQ=Aqueous Morine Surdeni 02/10/2027 0900 Actual Temperature: NA= Non Aqueous SL = Sludge DW ≔ Drinking Water RECÈIVED BY RELINQUISHED BY DATE / TIME Received On Ice WW = Waste Water Preserved RW = Rain Water Evidence Seals Present 100 Container Intact GW ≈ Ground Water RECEIVED BY Preserved at Lab SO = Soil RELINQUISHED BY SW = Solld Waste OL = OII TO234 OT = Other Matrix Please submit invoices to APInvoice.US@woodplc.com and include the SPECIAL REQUIREMENTS / BILLING INFORMATION following information: 1) LAB ACTION: PRESERVE Cu samples IMMEDIATELY. HDPE metals bottles have NO acid (HNO3) in bottle. 1) Project #: 2015100113.0002B.WECK + 4 boxes 250-mb filter towers Dissolved metals were field filtered using 0.45 um bottletop filt. system. (2) PO #: N/A Preserve any extra volume of each sample for dissolved metals to archive. (3) Org: 3151 1 pox 200 mg. 4) SPIKE level at the following amounts: Copper = 10 ug/L (4) GL: 573000 WECK will contact Wood PM within 24 hours if any sample anomalies are found.

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Weck Laboratories, Inc.

CHAIN OF CUSTODY RECORD

14859 East Clark A		•		5	nalytical Laboratory	Services - Since :	1964			STA	AND	ARI)			7	CB	1004		_	
Tel 626-336-2139	◆ Fax 626-	-336-2634	♦ www								A 1 3 6	050	<u>-</u>	(FC**				Pag		Of	<u>3</u>
CLIENT NAME: Wood Environment & ADDRESS: 9177 Sky Park Ct. San Diego, CA 9212 PROJECT MANAGER	Inc.	PROJECT: SIYB IWHC Pause Pilot Study (Port of San Diego) PHONE: 858-300-4324 FAX: 858-300-4301 EMAIL: marisa.swiderski@woodplc.com barry.snyder@woodplc.com				ner ^{1,2} 10 MDL 0.0038 µg/L, RL= 0.01	I	AN	ALY	SES I	REQU	JESTI	ED				24 Hot 48-72 i 4 - 5 D Rush E 10 Bu	NDLIN Day Rush r Rush 10 Hour Rush ay Rush 3 xtractions siness Da Data Pac	150% 10% 175% 0% 150%		
Marisa Swiderski				Marisa S	widerski (MS) /	Kate Buckley	(KB)	Copp A 164		ŀ								Charges	will apply f	or weeke	nds/holidays
ID# DATE TIME SMPL			SAMPLE IDENTIFICATION/SITE LOCATION # OF CONT.			Dissolved C Method EPA										Method (of Shipmen NTS				
	02/09/22	9:30		E-18-W12	2		1	X								一					
	02/09/22	9:45		E-19-W12			1	Χ													,
	02/09/22	9:20	seawater	E-20-W12	2		1	Х													
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RELINQUISHED B	widenh		021	/TIME 110/202	2 0900	RECEIVED	ele	<u>ئر</u>	5	Jan 1	10	ho	-		Actual ⁻	Гетр	eratur	ONDITION Te: {	14	AQ=Ad NA= N SL = S	_
RELINQUISHED BY DATI				FE / TIME RECEIVED BY			, (02/10/22 1,00						Received On Ice Preserved Evidence Seals Present Container Intact				WW = 1 RW = 1 GW = 1	Orinking Water Waste Water Rain Water Ground Water		
RELINQUISHED BY DAT				E/TIME RECEIVED BY									Preserved at Lab Y /(N			OL = 0 OT = 0	Solid Waste iii Other Matrix				
SPECIAL REQUIREME 1) LAB ACTION: PRES 2) Dissolved metals we 3) Preserve any extra v 4) SPIKE level at the fo	SERVE Cu sampere field filtered under solume of each sollowing amounts	ples IMMEDIA using 0.45 um sample for dis s: Copper = 10	ATELY. H bottletop solved m 0 ug/L	o filt. system netals to arc	n. hive.	O acid (HNO3) i † 4 Do = e } 1 box S	250 Fliter	-ml	uers wers	follo 1) Pr (2) P (3) C	wing oject O#:	infon :#: 20 N/A 151	invoic natior 15100	1:				<u>@woodplo</u>	c.com and	nclude	he

WEEK 12 REANALYSES ANALYTICAL RESULTS



SUPPLEMENTAL REPORT

Work Orders: 2B10049 Report Date: 4/29/2022

Received Date: 2/10/2022

Turnaround Time: Normal

Phones: (858) 300-4324

Fax: (858) 278-5300

P.O. #:

Billing Code:

Project: SIYB IWHC Pause Pilot (Port of San Diego)

Attn: Marisa Swiderski

Client: Wood - San Diego

9177 Sky Park Court, Ste A San Diego, CA 92123

EPA-UCMR #CA00211 • LACSD #10143 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Marisa Swiderski,

Enclosed are the results of analyses for samples received 2/10/22 with the Chain-of-Custody document. The samples were received in good condition, at 4.4 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Chris Samatmanakit Project Manager

1: State









2B10049 Page 1 of 5



SUPPLEMENTAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 04/29/2022 11:10

Project Manager: Marisa Swiderski



Case Narrative

This is a Supplement to the Certificate of Analysis previously issued 2/23/22 for the above referenced Project to report copformation analysis result.



Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
FB-W12	Marisa Swiderski/Kate	2B10049-16	Water	02/09/22 08:35	
	Buckley				

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SUPPLEMENTAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 **Project Number:** SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

04/29/2022 11:10

Sample Results

	'							
Sample:	FB-W12			Sa	ampled: 02/09	/22 8:35 by	y Marisa Swider	ski/Kate Buckley
	2B10049-16RE1 (Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Le	Metals - Low Level by 1600 Series Methods							
Method: EPA	1640			Instr: ICPMS03				
Batch ID: W	/2D1775	Preparation: EPA 1640#Preconcentration		Prepared: 04/2	5/22 09:40			Analyst: ALN
Copper, Dis	ssolved	ND	0.0038	0.010	ug/l	1	04/27/22	

Project Manager: Marisa Swiderski

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SUPPLEMENTAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

04/29/2022 11:10

Quality	Control	Results
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Metals - Low Level by 1600 Series Methods											
					Spike	Source		%REC		RPD	
Analyte	Result	MDL	MRL	Units	Level	Result	%REC	Limits	RPD	Limit	Qualifier
Batch: W2D1775 - EPA 1640											
Blank (W2D1775-BLK1)				Prep	ared: 04/25/2	2 Analyzed:	04/27/22	2			
Copper, Dissolved		0.0038	0.010	ug/l							
LCS (W2D1775-BS1)				Prep	ared: 04/25/2	2 Analyzed:	04/27/22	2			
Copper, Dissolved		0.0038	0.010	ug/l	10.0		93	70-130			
Matrix Spike (W2D1775-MS1)	Source: 2	A26038-18I	RE1	Prep	2						
Copper, Dissolved		0.0038	0.010	ug/l	10.0	0.0741	92	70-130			
Matrix Spike Dup (W2D1775-MSD1)	75-MSD1) Source: 2A26038-18RE1				ared: 04/25/2	2 Analyzed:	04/27/22	2			
Copper, Dissolved	9.32	0.0038	0.010	ug/l	10.0	0.0741	92	70-130	0.5	30	

Project Manager: Marisa Swiderski



SUPPLEMENTAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 04/29/2022 11:10

Project Manager: Marisa Swiderski



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Notes and Definitions

%REC	Percent Recovery
Dil	Dilution
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

2B10049 Page 5 of 5

WEEK 13 ANALYTICAL RESULTS



FINAL REPORT

Work Orders: 2B15091 Report Date: 2/28/2022

Received Date: 2/15/2022

Turnaround Time: Normal

Phones: (858) 300-4324

Fax: (858) 278-5300

P.O. #: C015102187

Billing Code:

Attn: Marisa Swiderski

Client: Wood - San Diego

9177 Sky Park Court, Ste A San Diego, CA 92123

Project: SIYB IWHC Pause Pilot (Port of San Diego)

ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • LACSD #10143 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAOMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Marisa Swiderski,

Enclosed are the results of analyses for samples received 2/15/22 with the Chain-of-Custody document. The samples were received in good condition, at 4.6 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Chris Samatmanakit Project Manager

1: State









2B15091 Page 1 of 8



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/28/2022 18:12

Project Manager: Marisa Swiderski

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
C-1-W13	Marisa Swiderski/Rolf Schottle	2B15091-01	Sea Water	02/14/22 12:05	
C-2-W13	Marisa Swiderski/Rolf Schottle	2B15091-02	Sea Water	02/14/22 12:10	
C-3-W13	Marisa Swiderski/Rolf Schottle	2B15091-03	Sea Water	02/14/22 12:10	
C-4-W13	Marisa Swiderski/Rolf Schottle	2B15091-04	Sea Water	02/14/22 11:10	
C-5-W13	Marisa Swiderski/Rolf Schottle	2B15091-05	Sea Water	02/14/22 11:40	
C-6-W13	Marisa Swiderski/Rolf Schottle	2B15091-06	Sea Water	02/14/22 10:40	
C-7-W13	Marisa Swiderski/Rolf Schottle	2B15091-07	Sea Water	02/14/22 11:15	
C-8-W13	Marisa Swiderski/Rolf Schottle	2B15091-08	Sea Water	02/14/22 10:50	
C-9-W13	Marisa Swiderski/Rolf Schottle	2B15091-09	Sea Water	02/14/22 10:40	
C-10-W13	Marisa Swiderski/Rolf Schottle	2B15091-10	Sea Water	02/14/22 10:20	
C-11-W13	Marisa Swiderski/Rolf Schottle	2B15091-11	Sea Water	02/14/22 10:30	
C-12-W13	Marisa Swiderski/Rolf Schottle	2B15091-12	Sea Water	02/14/22 10:10	
C-13-W13	Marisa Swiderski/Rolf Schottle	2B15091-13	Sea Water	02/14/22 10:00	
C-13-Dup-W13	Marisa Swiderski/Rolf Schottle	2B15091-14	Sea Water	02/14/22 10:10	
C-REF-1-W13	Marisa Swiderski/Rolf Schottle	2B15091-15	Sea Water	02/14/22 10:00	
C-REF-2-W13	Marisa Swiderski/Rolf Schottle	2B15091-16	Sea Water	02/14/22 09:50	
FB-W13	Marisa Swiderski/Rolf Schottle	2B15091-17	Water	02/14/22 09:45	
N8-ER-W13	Marisa Swiderski/Rolf Schottle	2B15091-18	Water	02/14/22 09:55	



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Instr: ICPMS03

MRI

02/28/2022 18:12

Reported:

Project Manager: Marisa Swiderski

X	Sample	Results
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C-1-W13 Sample: Sampled: 02/14/22 12:05 by Marisa Swiderski/Rolf Schottle 2B15091-01 (Sea Water) MRI Units Dil Qualifier MDL Analyzed Analyte Result Metals - Low Level by 1600 Series Methods Method: EPA 1640 Instr: ICPMS03 Batch ID: W2B1753 Preparation: EPA 1640#Preconcentration Prepared: 02/25/22 16:53 Analyst: ALN Copper, Dissolved 0.0038 0.010 02/26/22 ug/l

Sample Results

C-2-W13 Sample: Sampled: 02/14/22 12:10 by Marisa Swiderski/Rolf Schottle

2B15091-02 (Sea Water) Analyte Result MDL MRL Units Dil Analyzed Qualifier

Metals - Low Level by 1600 Series Methods Method: EPA 1640

Batch ID: W2B1753 Preparation: EPA 1640#Preconcentration Prepared: 02/25/22 16:53 Analyst: ALN

Copper, Dissolved 0.0038 0.010 02/26/22 ug/l

Sample Results

C-3-W13 Sampled: 02/14/22 12:10 by Marisa Swiderski/Rolf Schottle Sample: 2B15091-03 (Sea Water)

MDL MRL Units Analyzed Qualifier Analyte Result

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W2B1753 Prepared: 02/25/22 16:53 Preparation: EPA 1640#Preconcentration Analyst: ALN Copper, Dissolved 0.0038 0.010 02/26/22

Sample Results

C-4-W13 Sampled: 02/14/22 11:10 by Marisa Swiderski/Rolf Schottle Sample:

2B15091-04 (Sea Water)

MDL MRI Units Analyzed Qualifier Analyte Result

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W2B1753 Preparation: EPA 1640#Preconcentration Prepared: 02/25/22 16:53 Analyst: ALN 0.0038 02/26/22 Copper, Dissolved ug/l

Sample Results

Sample: C-5-W13 Sampled: 02/14/22 11:40 by Marisa Swiderski/Rolf Schottle

2B15091-05 (Sea Water)

MDL Analyzed Qualifier Metals - Low Level by 1600 Series Methods Method: EPA 1640 Instr: ICPMS03 Batch ID: W2B1753 Prepared: 02/25/22 16:53 Analyst: ALN Preparation: EPA 1640#Preconcentration

0.010 02/26/22 Copper, Dissolved 0.0038 9.6 ua/l

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Sampled: 02/14/22 10:20 by Marisa Swiderski/Rolf Schottle

Analyzed

Qualifier

Analyst: ALN

FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Sample:

C-10-W13

Metals - Low Level by 1600 Series Methods

Batch ID: W2B1753

2B15091-10 (Sea Water)

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/28/2022 18:12

Project Manager: Marisa Swiderski

Sample Results							(Continued)
Sample: C-6-W13			Sa	mpled: 02/14	/22 10:40 b	y Marisa Swide	rski/Rolf Schottle
2B15091-06 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2B1753	Preparation: EPA 1640#Preconcentration		Prepared: 02/2				Analyst: ALN
Copper, Dissolved	9.1	0.0038	0.010	ug/l	1	02/26/22	
Sample Results							(Continued)
Sample: C-7-W13			Sa	mpled: 02/14	/22 11:15 b	y Marisa Swide	rski/Rolf Schottle
2B15091-07 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
etals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2B1753	Preparation: EPA 1640#Preconcentration		Prepared: 02/2	5/22 16:53			Analyst: ALN
Copper, Dissolved	9.2	0.0038	0.010	ug/l	1	02/26/22	
Sample Results							(Continued
Sample: C-8-W13			Sa	mpled: 02/14	/22 10:50 b	y Marisa Swide	rski/Rolf Schottle
2B15091-08 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
letals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2B1753	Preparation: EPA 1640#Preconcentration		Prepared: 02/2	5/22 16:53			Analyst: ALN
Copper, Dissolved	9.8	0.0038	0.010	ug/l	1	02/26/22	
Sample Results							(Continued)
Sample: C-9-W13			Sa	mpled: 02/14	/22 10:40 b	y Marisa Swide	rski/Rolf Schottle
2B15091-09 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
letals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2B1753	Preparation: EPA 1640#Preconcentration		Prepared: 02/2	5/22 16:53			Analyst: ALN
Copper, Dissolved	9.4	0.0038	0.010	ug/l	1	02/26/22	
coppor, Biocorroa							

Method: EPA 1640 Instr: ICPMS03

MDL

MRL

Prepared: 02/25/22 16:53 Copper, Dissolved 0.010 02/26/22 8.3 0.0038 ug/l

Preparation: EPA 1640#Preconcentration

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FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 02/28/2022 18:12

(Continued)

Project Manager: Marisa Swiderski

Sa	ample Results
Sample:	C-11-W13
	2B15091-11 (Sea Water)
Analyte	
Matala Law	Lovel by 1600 Cories Methods

Sampled: 02/14/22 10:30 by Marisa Swiderski/Rolf Schottle

Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
etals - Low L	evel by 1600 Series Methods							
Method: EPA 1640				Instr: ICPMS03	3			
Batch ID: V	V2B1753	Preparation: EPA 1640#Preconcentration		Prepared: 02/	25/22 16:53			Analyst: ALN
Copper, Di	ssolved	8.5	0.0038	0.010	ug/l	1	02/26/22	
Sa	mple Results							(Continued)
Sample:	C-12-W13			S	ampled: 02/14,	/22 10:10 b ₂	y Marisa Swider	ski/Rolf Schottle
	2B15091-12 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier

Metals - Low Level by	1600 Series Methods
M-41 1 FDA 1640	

Instr: ICPMS03

Method: EPA 1640 Batch ID: W2B1753 Preparation: EPA 1640#Preconcentration

Prepared: 02/25/22 16:53 Analyst: ALN 0.010 02/26/22 ug/l

Copper, Dissolved 0.0038

(Continued)

(Continued)

(Continued)

Sample Results Sample:

C-13-W13 Sampled: 02/14/22 10:00 by Marisa Swiderski/Rolf Schottle

MDL

Result

2B15091-13 (Sea Water)

MRL Units Analyzed Qualifier

Metals - Low Level by 1600 Series Methods Method: EPA 1640

Instr: ICPMS03

Batch ID: W2B1753 Preparation: EPA 1640#Preconcentration 0.0038

Prepared: 02/25/22 16:53 Analyst: ALN

Copper, Dissolved

0.010 02/26/22



Analyte

Analyte

Sample Results

Sampled: 02/14/22 10:10 by Marisa Swiderski/Rolf Schottle

C-13-Dup-W13 Sample:

2B15091-14 (Sea Water)

MDL MRI Units Analyzed Qualifier Result

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W2B1753 Preparation: EPA 1640#Preconcentration Prepared: 02/25/22 16:53 Analyst: ALN 0.0038 02/26/22 Copper, Dissolved ug/l

Sample Results

2B15091-15 (Sea Water)

Sampled: 02/14/22 10:00 by Marisa Swiderski/Rolf Schottle

Sample: C-REF-1-W13

MRL Analyzed Qualifier

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W2B1753 Prepared: 02/25/22 16:53 Analyst: ALN Preparation: EPA 1640#Preconcentration 0.010 Copper, Dissolved 0.0038 02/26/22 0.94 ug/l

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FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

02/28/2022 18:12

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	ample Results							(Continued
Sample:	C-REF-2-W13			Sa	ampled: 02/14	l/22 9:50 b	y Marisa Swide	rski/Rolf Schottl
	2B15091-16 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
etals - Low	Level by 1600 Series Methods							
Method: EP	PA 1640			Instr: ICPMS03				
Batch ID: W2B1753		Preparation: EPA 1640#Preconcentration		Prepared: 02/2	5/22 16:53			Analyst: ALN
Copper, [Dissolved	0.85	0.0038	0.010	ug/l	1	02/26/22	
Sa	ample Results							(Continued
Sample:	FB-W13			Sa	ampled: 02/14	1/22 9:45 b	y Marisa Swide	rski/Rolf Schott
	2B15091-17 (Water)							
	, ,							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
	Level by 1600 Series Methods	Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
etals - Low	•	Result	MDL	MRL Instr: ICPMS03	Units	Dil	Analyzed	Qualifi
etals - Low	PA 1640	Result Preparation: EPA 1640#Preconcentration	MDL			Dil	Analyzed	
letals - Low Method: EP Batch ID:	PA 1640		MDL 0.0038	Instr: ICPMS03		Dil 1	Analyzed 02/26/22	Qualifio Analyst: ALN
Method: EP Batch ID: Copper, [PA 1640 W2B1753	Preparation: EPA 1640#Preconcentration		Instr: ICPMS03 Prepared: 02/2	5/22 16:53			
etals - Low Method: EP Batch ID: Copper, I	PA 1640 W2B1753 Dissolved	Preparation: EPA 1640#Preconcentration		Instr: ICPMS03 Prepared: 02/2 0.010	5/22 16:53 ug/l	1		Analyst: ALI
etals - Low Method: EP Batch ID: Copper, I	wa 1640 W2B1753 Dissolved ample Results	Preparation: EPA 1640#Preconcentration		Instr: ICPMS03 Prepared: 02/2 0.010	5/22 16:53 ug/l	1	02/26/22	Analyst: ALI
etals - Low Method: EP Batch ID: Copper, I	wa 1640 W2B1753 Dissolved ample Results N8-ER-W13	Preparation: EPA 1640#Preconcentration		Instr: ICPMS03 Prepared: 02/2 0.010	5/22 16:53 ug/l	1	02/26/22	Analyst: AL (Continued
Method: EP Batch ID: Copper, I Sample:	wa 1640 W2B1753 Dissolved ample Results N8-ER-W13	Preparation: EPA 1640#Preconcentration 0.028	0.0038	Instr: ICPMS03 Prepared: 02/2 0.010	5/22 16:53 ug/l ampled: 02/14	1 1/22 9:55 b	02/26/22 y Marisa Swide	Analyst: AL (Continued
Method: EP Batch ID: Copper, I Sample: Analyte	wa 1640 W2B1753 Dissolved ample Results N8-ER-W13 2B15091-18 (Water) Level by 1600 Series Methods	Preparation: EPA 1640#Preconcentration 0.028	0.0038	Instr: ICPMS03 Prepared: 02/2 0.010	5/22 16:53 ug/l ampled: 02/14	1 1/22 9:55 b	02/26/22 y Marisa Swide	Analyst: ALI (Continued
Method: EP Batch ID: Copper, I Sample: Analyte	wa 1640 W2B1753 Dissolved ample Results N8-ER-W13 2B15091-18 (Water) Level by 1600 Series Methods	Preparation: EPA 1640#Preconcentration 0.028	0.0038	Instr: ICPMS03 Prepared: 02/2 0.010	5/22 16:53 ug/l ampled: 02/14 Units	1 1/22 9:55 b	02/26/22 y Marisa Swide	Analyst: ALI

Project Manager: Marisa Swiderski



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

02/28/2022 18:12

Quality Control Results

Metals - Low Level by 1600 Series Methods													
					Spike	Source		%REC		RPD			
Analyte	Result	MDL	MRL	Units	Level	Result	%REC	Limits	RPD	Limit	Qualifier		
Batch: W2B1753 - EPA 1640													
Blank (W2B1753-BLK1)	Pre				Prepared & Ar	alyzed: 02/2	25/22						
Copper, Dissolved	ND	0.0038	0.010	ug/l									
LCS (W2B1753-BS1)					Prepared & Ar	alyzed: 02/2	5/22						
Copper, Dissolved	9.12	0.0038	0.010	ug/l	10.0		91	70-130					
Matrix Spike (W2B1753-MS1)	Source: 2	B15091-01			Prepared & Analyzed: 02/25/22								
Copper, Dissolved	18.2	0.0038	0.010	ug/l	10.0	9.22	90	70-130					
Matrix Spike (W2B1753-MS2)	Source: 2	B15091-13			Prepared & Ar	alyzed: 02/2	25/22						
Copper, Dissolved	12.5	0.0038	0.010	ug/l	10.0	3.62	89	70-130					
Matrix Spike Dup (W2B1753-MSD1)	Source: 2	B15091-01			Prepared & Ar	alyzed: 02/2	5/22						
Copper, Dissolved	17.5	0.0038	0.010	ug/l	10.0	9.22	83	70-130	4	30			
Matrix Spike Dup (W2B1753-MSD2)	Source: 2	B15091-13			Prepared & Analyzed: 02/25/22								
Copper, Dissolved	12.3	0.0038	0.010	ug/l	10.0	3.62	87	70-130	2	30			

Project Manager: Marisa Swiderski



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

02/28/2022 18:12



Item

Notes and Definitions

%REC	Percent Recovery
Dil	Dilution
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Project Manager: Marisa Swiderski

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

2B15091 Page 8 of 8

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Weck Laboratories, Inc.

CHAIN OF CUSTODY RECORD

	Analytical Laboratory Services - Since 4859 East Clark Avenue: Industry: CA 91745									O.T.4	NID 4	. nn		25	15	(70	11				
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Tel 626-336-2139	◆ Fax 626-	-336-2634	♦ ww		s.com												Pag		0		
CLIENT NAME:				PROJECT:						ANA	LYSI	ES R	EQUE	STED			SPE	CIAL HA	NDLI	NG	
:				SIY	B IWHC Paus	e Pilot Study												Same	Jay Rus	sh 150%	
Wood Environment &	Infrastructure	e Solutions,	Inc.		(Port of San			إيا									<u></u>	24 Hou	r Rush	100%	
ADDRESS:				PHONE:	858-300-432	4		0.01 µg/l									Γ"	48-72	lour Ru	ısh 75%	
9177 Sky Park Ct.				FAX: 858-300-4301				RL= 0.0									·	4-5D	ay Rush	1 30%	
San Diego, CA 92123	3			EMAIL: <u>marisa.swiderski@woodplc.com</u>				H9/L, R		Į							Γ-	Rush E	xtractio	ns 50%	
					barry.snyder@	woodplc.com		98 94 95									7	10 Bu	siness D	Days	
PROJECT MANAGER	PROJECT MANAGER							Copper ^{1,2} MDL 0.0038										QA/QC	Data P	ackage	
Marisa Swiderski				Marisa Sw	iderski (MS) /	Rolf Schottle	(RS)	Copper MDL 0.0									Charges	will apply t	or wee	kends/ho	olidays
ID#	DATE	TIME	SMPL	0.4451.55.15	ENTIFICATIONIO	ITE I CONTION	# OF	640							-		Method	of Shipmer	t:		
(For lab Use Only)	SAMPLED	SAMPLED	TYPE	SAMPLEIL	ENTIFICATION/S	THE LOCATION	CONT.	Dissolved EPA 1640 l									COMME	NTS			
	02/14/22	12:05		C-1-W13			1	X													
	02/14/22	12:10		C-2-W13			1	Х													
	02/14/22	11:40	seawater	C-3-W13			1	X													
	02/14/22	11:10	seawater				1	Х				_									
	02/14/22	11:40	_	C-5-W13			1	Х													
	02/14/22	10:40		C-6-W13			1	X	_				_	-							
	02/14/22	11:15		C-7-W13			1	X													
	02/14/22 02/14/22	10:50 10:40		C-8-W13 C-9-W13	,		1	X		-			_								
	02/14/22	10:40	,	C-10-W13			1	X	-												
	02/14/22	10:20		C-11-W13			1	$\frac{\hat{x}}{x}$	\dashv	-											
RELINQUISHED B		10100		/ TIME		RECEIVED	BY	7.		- 1					AMDI	- CC	NDITION		SAM	PLE TYPE	CODE:
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RELINQUISHED B	Y		DATE	/ TIME		RECEIVED	BA	2/1	15/	27	1	134	101		ived Or erved	n Ice		66/N		= Drinking = Waste V	
	1				/	H H D		•			•	•	•		nce Se	als Pr	esent	(V)) _{RW}	– waste v = Rain Wa	
Maga	14			5-22/	13:49	A COM.									iner In			Y / 🔀	۱I ا	= Ground '	Water
RELINQUISHED B	Y()		DATE	TIME /		RECEIVED	BY							Prese	rved a	t Lab		Y / W	SO =	: Soil = Solid Wa	
														1	025	L(OL =		iste
						<u> </u>														Other Ma	itrix
SPECIAL REQUIREMEN				IDDE ' '	. I 141 - 1	0	السامية						voices ation :	to API	ivoice	.US@	gwoodplo	c.com and	ınclud	e the	
1) LAB ACTION: PRESI						o acid (HNO3)	iri dottle	₹.						3.0002E	3.WE	сĸ					
2) Dissolved metals were		_							(2) PO#: N/A PO#: C015102187												
3) Preserve any extra vo		•		netais to arch	iive.						g: 315	ויס	- 11 *				-				
4) SPIKE level at the foll 5) WECK will contact We	•	• •	•	a anomalico	are found				(4) GL: 573000												
■3) WEGK WIII CONTACT WG	Journal Minim	∠→ HOUIS II di	ιλ οαιιιδι	e anomanes	art iQuilu.																

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VV.	

5) WECK will contact Wood PM within 24 hours if any sample anomalies are found.

Weck Laboratories, Inc.

CHAIN OF CUSTODY RECORD

14859 East Clark	Avenue: Ind	lustry : CA	A 9174		nalytical Laboratory	Services - Since	1964		S	IAT	NDA	RD		18	150	991				
Tel 626-336-2139		-			bs.com										*	• ,	`Pag∈	2	Of	2
CLIENT NAME:				PROJECT	:					ANAI	LYSE	S REC	UES	TED			SPEC	IAL HA	NDLIN	3
Wood Environment & ADDRESS: 9177 Sky Park Ct. San Diego, CA 9212		e Solutions,	Inc.	PHONE: FAX: EMAIL:	YB IWHC Paus (Port of Sar 858-300-432 858-300-430 marisa swider barry snyder@	n Diego) 24 91 ski@woodplc.co	om	3 µg/L, RL= 0.01 µg/L										24 Ho 48-72 4 - 5 D Rush	Day Rush 100 Hour Rush ay Rush 30 Extractions siness Day	0% 75% 0% 50%
PROJECT MANAGER				SAMPLER				0.003									Ē		Data Paci	
Marisa Swiderski				Marisa S	widerski (MS) /	Rolf Schottle	(RS)	S G								ľ	Charges			nds/holidays
ID#	DATE	TIME	SMPL.				# OF	540 € 4d									Method o	f Shipme	nt:	
(For lab Use Only)	SAMPLED	SAMPLED	TYPE	SAMPLE	DENTIFICATION/S	SITE LOCATION	CONT.	PA 1									COMMEN	ITS		
	02/14/22	10:10	seawater	C-12-W1	3		1	X												
- 	02/14/22	10:00	seswater	C-13-W1	3		1	Х									extra vol	. analyz	sample	MS/MSD
	02/14/22	10:10	seawater	C-13-Dup	o-W13		1	Х												
	02/14/22	10:00		C-REF-1			1	Х												
	02/14/22	9:50	seawater	C-REF-2	-W13		1	Х												
	02/14/22	9:45	DI	FB-W13			1	Х			_		<u> </u>							
	02/14/22	9:55	DI	N8-ER-W	/13		1	X		_				<u> </u>		_				
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RELINQUISHED E	ruekles	y .	2/1	<u> </u>	11:15	RECEIVED	ial	·	2-1	5-2	2/	ll:1	5	S/ Actual	AMPLE Tempe	E CO	NDITION: e: 4.6		AQ=Aqı NA= No SL = Slı	n Aqueous udge
RELINQUISHED	, (/ TIME //		REGEIVE	BYU	2	1151	77	l_{I}	349	7	Prese	ved On rved nce Sea		eent	3 /N	y = ww = v	rinking Water Vaste Water ain Water
Maga	aly		12-18	5-22/	13:49	H									iner Inta		556111	· 18	<i>7</i> I	ain water Fround Water
RELINQUISHED E	BY ()			/ TIME		RECEIVED) BY							1-	rved at 1	501		· 0	OL = Oi OT ≈ Oi	olid Waste I ther Matrix
SPECIAL REQUIREME 1) LAB ACTION: PRES 2) Dissolved metals we 3) Preserve any extra v	SERVE Cu sam ere field filtered u volume of each s	ples IMMEDI/ using 0.45 um sample for dis	ATELY. I bottleto solved n	p filt. syster	n.	O acid (HNO3)	in bottl	e.	fo 1) (2 (3	ollowi) Proje 2) PO 3) Org	ng inf	ormatio 201510	n:)woodplc	.com and	include (the

WEEK 14 ANALYTICAL RESULTS



FINAL REPORT

Work Orders: 2B22072 Report Date: 3/15/2022

Received Date: 2/22/2022

Turnaround Time: Normal

Phones: (858) 300-4324

Fax: (858) 278-5300

P.O. #: C015102187

Billing Code:

Project: SIYB IWHC Pause Pilot (Port of San Diego)

Attn: Marisa Swiderski

Client: Wood - San Diego

9177 Sky Park Court, Ste A San Diego, CA 92123

ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • LACSD #10143 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAOMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Marisa Swiderski,

Enclosed are the results of analyses for samples received 2/22/22 with the Chain-of-Custody document. The samples were received in good condition, at 2.3 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Chris Samatmanakit Project Manager

1: State











FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 **Project Number:** SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 03/15/2022 17:11

Project Manager: Marisa Swiderski

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
C-1-W14	Marisa Swiderski/Kate Buckley	2B22072-01	Sea Water	02/21/22 11:05	
C-2-W14	Marisa Swiderski/Kate Buckley	2B22072-02	Sea Water	02/21/22 11:50	
C-3-W14	Marisa Swiderski/Kate Buckley	2B22072-03	Sea Water	02/21/22 11:10	
C-4-W14	Marisa Swiderski/Kate Buckley	2B22072-04	Sea Water	02/21/22 10:20	
C-5-W14	Marisa Swiderski/Kate Buckley	2B22072-05	Sea Water	02/21/22 10:55	
C-6-W14	Marisa Swiderski/Kate Buckley	2B22072-06	Sea Water	02/21/22 09:45	
C-7-W14	Marisa Swiderski/Kate Buckley	2B22072-07	Sea Water	02/21/22 10:35	
C-8-W14	Marisa Swiderski/Kate Buckley	2B22072-08	Sea Water	02/21/22 10:25	
C-9-W14	Marisa Swiderski/Kate Buckley	2B22072-09	Sea Water	02/21/22 10:15	
C-10-W14	Marisa Swiderski/Kate Buckley	2B22072-10	Sea Water	02/21/22 09:50	
C-11-W14	Marisa Swiderski/Kate Buckley	2B22072-11	Sea Water	02/21/22 10:00	
C-12-W14	Marisa Swiderski/Kate Bucklev	2B22072-12	Sea Water	02/21/22 09:25	
C-13-W14	Marisa Swiderski/Kate Buckley	2B22072-13	Sea Water	02/21/22 09:10	
C-REF-1-W14	Marisa Swiderski/Kate Buckley	2B22072-14	Sea Water	02/21/22 09:05	
C-REF-2-W14	Marisa Swiderski/Kate Buckley	2B22072-15	Sea Water	02/21/22 08:50	
FB-W14	Marisa Swiderski/Kate Buckley	2B22072-16	Water	02/21/22 08:45	
N3-ER-W14	Marisa Swiderski/Kate Buckley	2B22072-17	Water	02/21/22 08:55	
Ξ-14-W14	Marisa Swiderski/Kate Buckley	2B22072-18	Sea Water	02/21/22 11:35	
Ξ-15-W14	Marisa Swiderski/Kate Buckley	2B22072-19	Sea Water	02/21/22 10:50	
E-15-Dup-W14	Marisa Swiderski/Kate Buckley	2B22072-20	Sea Water	02/21/22 11:00	
E-16-W14	Marisa Swiderski/Kate Buckley	2B22072-21	Sea Water	02/21/22 10:10	
E-17-W14	Marisa Swiderski/Kate Buckley	2B22072-22	Sea Water	02/21/22 10:45	
E-18-W14	Marisa Swiderski/Kate Buckley	2B22072-23	Sea Water	02/21/22 09:30	
E-19-W14	Marisa Swiderski/Kate Buckley	2B22072-24	Sea Water	02/21/22 09:40	
E-20-W14	Marisa Swiderski/Kate	2B22072-25	Sea Water	02/21/22 09:20	



Sampled: 02/21/22 11:50 by Marisa Swiderski/Kate Buckley

Sampled: 02/21/22 10:20 by Marisa Swiderski/Kate Buckley

FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 03/15/2022 17:11

Project Manager: Marisa Swiderski

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		7	-

Sample Results

Sample:	C-1-W14			Sa	mpled: 02/21,	/22 11:05 b _:	y Marisa Swider	ski/Kate Buckley
	2B22072-01 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low I	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS03				
Batch ID: \	W2B1754	Preparation: EPA 1640#Preconcentration		Prepared: 02/2	5/22 16:56			Analyst: ALN
Copper, D	Dissolved	8.6	0.0038	0.010	ug/l	1	02/26/22	



Sample Results

2B22072-02 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods							

C-2-W14

Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2B1754	Preparation: EPA 1640#Preconcentration		Prepared: 02/2	5/22 16:56			Analyst: ALN
Copper, Dissolved	9.2	0.0038	0.010	ug/l	1	02/26/22	



Sample Results

	Sample:	C-3-W14			Sa	ampled: 02/21,	/22 11:10 b	y Marisa Swider	ski/Kate Buckley
		2B22072-03 (Sea Water)							
	Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
ı	Metals - Low Le	evel by 1600 Series Methods							
	Method: EPA	1640			Instr: ICPMS03	3			
	Batch ID: W	/2B1754	Preparation: EPA 1640#Preconcentration	n	Prepared: 02/2	25/22 16:56			Analyst: ALN
	Copper, Dis	ssolved	9.9	0.0038	0.010	ug/l	1	02/26/22	



Sample:

Sample Results

2B220	72-04 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier

Metals - Low Level by 1600 Series Methods Method: FPA 1640

C-4-W14

Wethod: EPA 1640			Instr: ICPIVISUS	1			
Batch ID: W2B1754	Preparation: EPA 1640#Preconcentration		Prepared: 02/2	25/22 16:56			Analyst: ALN
Copper, Dissolved	5.1	0.0038	0.010	ug/l	1	02/26/22	



Sample Results

Sample:	C-5-W14			Sa	impled: 02/21	/22 10:55 b	y Marisa Swider	ski/Kate Buckley
	2B22072-05 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low L	evel by 1600 Series Methods							
Method: EPA	1640			Instr: ICPMS03				
Batch ID: W	/2B1754	Preparation: EPA 1640#Preconcentration		Prepared: 02/2	25/22 16:56			Analyst: ALN
Copper, Di	ssolved	7.3	0.0038	0.010	ug/l	1	02/26/22	

2B22072 Page 3 of 9



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 03/15/2022 17:11

Project Manager: Marisa Swiderski

	Sa	ample l
Samp	le:	C-6-W14

Results

Metals - Low Level by 1600 Series Methods

Method: EPA 1640

Batch ID: W2B1754

Copper, Dissolved

(Continued)

Analyst: ALN

02/26/22

56	ample Results							(Oontinuce
Sample:	C-6-W14			Sa	ampled: 02/21	/22 9:45 b	y Marisa Swide	rski/Kate Buckle
	2B22072-06 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualif
letals - Low I	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS03				
Batch ID: \	W2B1754	Preparation: EPA 1640#Preconcentration		Prepared: 02/2	5/22 16:56			Analyst: Al
Copper, D	issolved	7.2	0.0038	0.010	ug/l	1	02/26/22	
Sa	ample Results							(Continue
Sample:	C-7-W14			Sa	mpled: 02/21,	/22 10:35 b	y Marisa Swide	rski/Kate Buckl
	2B22072-07 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualif
/letals - Low I	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS03				
Batch ID: \	W2B1754	Preparation: EPA 1640#Preconcentration		Prepared: 02/2	5/22 16:56			Analyst: AL
Copper, D	issolved	5.7	0.0038	0.010	ug/l	1	02/26/22	
Sa	ample Results							(Continue
Sample:	C-8-W14			Sa	mpled: 02/21,	/22 10:25 b	y Marisa Swide	rski/Kate Buckl
	2B22072-08 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualif
/letals - Low I	Level by 1600 Series Methods							
Method: EPA	\ 1640			Instr: ICPMS03				
Batch ID: \	W2B1754	Preparation: EPA 1640#Preconcentration		Prepared: 02/2	5/22 16:56			Analyst: Al
Copper, D	issolved	7.7	0.0038	0.010	ug/l	1	02/26/22	
Sa	ample Results							(Continue
Sample:	C-9-W14			Sa	mpled: 02/21,	/22 10:15 b	y Marisa Swide	rski/Kate Buckl
	2B22072-09 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
/letals - Low I	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS03				
Batch ID: \	W2B1754	Preparation: EPA 1640#Preconcentration		Prepared: 02/2	5/22 16:56			Analyst: AL
Copper, D	issolved	6.8	0.0038	0.010	ug/l	1	02/26/22	
Sa	ample Results							(Continue
Sample:	C-10-W14			Sa	ampled: 02/21	/22 9:50 b	y Marisa Swide	rski/Kate Buck
	2B22072-10 (Sea Water)							
Analyte	,	Result	MDL	MRL	Units	Dil	Analyzed	Qualif

2B22072 Page 4 of 9

0.0038

Preparation: EPA 1640#Preconcentration

Instr: ICPMS03

0.010

Prepared: 02/25/22 16:56

ug/l



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 03/15/2022 17:11

Project Manager: Marisa Swiderski

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	1	k	/	•

Method: EPA 1640

Batch ID: W2B1754

Copper, Dissolved

Analyst: ALN

02/26/22

58	ample Results							(Continued)
Sample:	C-11-W14			Sa	mpled: 02/21	/22 10:00 b	y Marisa Swide	rski/Kate Buckley
	2B22072-11 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
letals - Low	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS03				
Batch ID:	W2B1754	Preparation: EPA 1640#Preconcentration		Prepared: 02/2	5/22 16:56			Analyst: ALN
Copper, D	Dissolved	6.3	0.0038	0.010	ug/l	1	02/26/22	
Sa	ample Results							(Continued
Sample:	C-12-W14			Sa	ampled: 02/21	1/22 9:25 b	y Marisa Swide	rski/Kate Buckle
	2B22072-12 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
letals - Low	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS03				
Batch ID:	W2B1754	Preparation: EPA 1640#Preconcentration		Prepared: 02/2	5/22 16:56			Analyst: ALN
Copper, D	Dissolved	6.1	0.0038	0.010	ug/l	1	02/26/22	
Sa	ample Results							(Continued
Sample:	C-13-W14			Sa	ampled: 02/21	1/22 9:10 b	y Marisa Swide	rski/Kate Buckle
	2B22072-13 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
/letals - Low	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS03				
Dot-l- ID		D						
Batch ID:	W2B1754	Preparation: EPA 1640#Preconcentration		Prepared: 02/2	5/22 16:56			Analyst: ALI
Copper, D		1.6	0.0038	Prepared: 02/2 0.010	5/22 16:56 ug/l	1	02/26/22	Analyst: ALN
Copper, D		•	0.0038	-		1	02/26/22	
Copper, D	Dissolved	•	0.0038	0.010	ug/l			(Continued
Copper, D	ample Results	•	0.0038	0.010	ug/l			(Continued
Copper, D	ample Results C-REF-1-W14	•	0.0038	0.010	ug/l			(Continued
Copper, D Sample: Analyte	ample Results C-REF-1-W14	1.6		0.010	ug/l ampled: 02/21	1/22 9:05 b	y Marisa Swide	(Continued
Copper, D Sample: Analyte	C-REF-1-W14 2B22072-14 (Sea Water) Level by 1600 Series Methods	1.6		0.010	ug/l ampled: 02/21	1/22 9:05 b	y Marisa Swide	(Continued
Copper, D Sample: Analyte Metals - Low l	C-REF-1-W14 2B22072-14 (Sea Water) Level by 1600 Series Methods A 1640	1.6		0.010 Sa MRL	ug/l ampled: 02/21 Units	1/22 9:05 b	y Marisa Swide	(Continued rski/Kate Buckle Qualific
Copper, D Sample: Analyte Method: EPA	C-REF-1-W14 2B22072-14 (Sea Water) Level by 1600 Series Methods A 1640 W2B1754			0.010 Sa MRL Instr: ICPMS03	ug/l ampled: 02/21 Units	1/22 9:05 b	y Marisa Swide	(Continued
Sample: Analyte Metals - Low Method: EPA Batch ID: Copper, D	C-REF-1-W14 2B22072-14 (Sea Water) Level by 1600 Series Methods A 1640 W2B1754	Result Preparation: EPA 1640#Preconcentration	MDL	0.010 Sa MRL Instr: ICPMS03 Prepared: 02/2	ug/l ampled: 02/21 Units 5/22 16:56	1/22 9:05 b	y Marisa Swide Analyzed	(Continued erski/Kate Buckle Qualifie Analyst: ALN
Sample: Analyte Metals - Low Method: EPA Batch ID: Copper, D	C-REF-1-W14 2B22072-14 (Sea Water) Level by 1600 Series Methods A 1640 W2B1754 Dissolved	Result Preparation: EPA 1640#Preconcentration	MDL	0.010 Sa MRL Instr: ICPMS03 Prepared: 02/2 0.010	ug/l ampled: 02/21 Units 5/22 16:56 ug/l	1/22 9:05 b	oy Marisa Swide Analyzed 02/26/22	(Continued Orski/Kate Buckle Qualifie Analyst: ALN (Continued
Sample: Analyte Metals - Low I Batch ID: Copper, D	C-REF-1-W14 2B22072-14 (Sea Water) Level by 1600 Series Methods A 1640 W2B1754 Dissolved ample Results	Result Preparation: EPA 1640#Preconcentration	MDL	0.010 Sa MRL Instr: ICPMS03 Prepared: 02/2 0.010	ug/l ampled: 02/21 Units 5/22 16:56 ug/l	1/22 9:05 b	oy Marisa Swide Analyzed 02/26/22	Analyst: ALN (Continued rski/Kate Buckle Qualifie Analyst: ALN (Continued

2B22072 Page 5 of 9

0.0038

Preparation: EPA 1640#Preconcentration

Instr: ICPMS03

0.010

Prepared: 02/25/22 16:56

ug/l



Sampled: 02/21/22 11:00 by Marisa Swiderski/Kate Buckley

Analyzed

Qualifier

Page 6 of 9

Analyst: ALN

FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Sample:

2B22072

Method: EPA 1640

Batch ID: W2B1754

E-15-Dup-W14

Metals - Low Level by 1600 Series Methods

2B22072-20 (Sea Water)

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 03/15/2022 17:11

Project Manager: Marisa Swiderski

Sa	ample Results							(Continued)
Sample:	FB-W14			Sa	ampled: 02/21	/22 8:45 b	y Marisa Swide	rski/Kate Buckley
	2B22072-16 (Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS03				
Batch ID:		Preparation: EPA 1640#Preconcentration		Prepared: 02/2				Analyst: ALN
Copper, D	Dissolved	0.033	0.0038	0.010	ug/l	1	02/26/22	
Sa	ample Results							(Continued)
Sample:	N3-ER-W14			Sá	ampled: 02/21	/22 8:55 b	y Marisa Swide	rski/Kate Buckley
	2B22072-17 (Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS03				
Batch ID:		Preparation: EPA 1640#Preconcentration		Prepared: 02/2				Analyst: ALN
Copper, D	Dissolved	0.054	0.0038	0.010	ug/l	1	02/26/22	
Sa	ample Results							(Continued)
Sample:	E-14-W14			Sa	mpled: 02/21	/22 11:35 b	y Marisa Swide	rski/Kate Buckley
	2B22072-18 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS03				
Batch ID:		Preparation: EPA 1640#Preconcentration		Prepared: 02/2			00/00/00	Analyst: ALN
Copper, D	Dissolved	9.1	0.0038	0.010	ug/l	1	02/26/22	
Sa	ample Results							(Continued)
Sample:	E-15-W14			Sa	mpled: 02/21	/22 10:50 b	y Marisa Swide	rski/Kate Buckley
	2B22072-19 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS03				
Batch ID:		Preparation: EPA 1640#Preconcentration		Prepared: 02/2				Analyst: ALN
Copper, D	Dissolved	9.2	0.0038	0.010	ug/l	1	02/26/22	
Sa	ample Results							(Continued)

 Copper, Dissolved
 9.2
 0.0038
 0.010
 ug/l
 1
 02/26/22

Preparation: EPA 1640#Preconcentration

MDL

MRL

Instr: ICPMS03

Prepared: 02/25/22 16:56



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Batch ID: W2B1755

Copper, Dissolved

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 03/15/2022 17:11

Analyst: ALN

02/26/22

Project Manager: Marisa Swiderski

/		/		
	1	k	7	١

Sa	imple Results							(Continued)
Sample:	E-16-W14			Sa	ampled: 02/21/	′22 10:10 b	y Marisa Swide	rski/Kate Buckley
	2B22072-21 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low L	evel by 1600 Series Methods							
Method: EPA	x 1640			Instr: ICPMS03				
Batch ID: V	W2B1755	Preparation: EPA 1640#Preconcentration		Prepared: 02/2	25/22 16:58			Analyst: ALN
Copper, Di	issolved	9.2	0.0038	0.010	ug/l	1	02/26/22	
Sa	imple Results							(Continued)
Sample:	E-17-W14			Sa	ampled: 02/21/	′22 10:45 b	y Marisa Swide	rski/Kate Buckley
	2B22072-22 (Sea Water)							
Analyte	, ,	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low L	evel by 1600 Series Methods							
Method: EPA	x 1640			Instr: ICPMS03				
Batch ID: V	W2B1755	Preparation: EPA 1640#Preconcentration		Prepared: 02/2				Analyst: ALN
Copper, Di	issolved	9.5	0.0038	0.010	ug/l	1	02/26/22	•
Sa	imple Results							(Continued)
Sample:	E-18-W14			S	ampled: 02/21	/22 9:30 b _!	y Marisa Swide	rski/Kate Buckley
	2B22072-23 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low L	evel by 1600 Series Methods							
Method: EPA	x 1640			Instr: ICPMS03				
Batch ID: V	W2B1755	Preparation: EPA 1640#Preconcentration		Prepared: 02/2	25/22 16:58			Analyst: ALN
Copper, Di	issolved	8.8	0.0038	0.010	ug/l	1	02/26/22	
Sa	imple Results							(Continued)
Sample:	E-19-W14			S	ampled: 02/21	/22 9:40 b	y Marisa Swide	rski/Kate Buckley
	2B22072-24 (Sea Water)							
	• • • • • • • • • • • • • • • • • • • •							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
-	evel by 1600 Series Methods	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
_	·	Result	MDL			Dil	Analyzed	Qualifier
Metals - Low L	x 1640	Result Preparation: EPA 1640#Preconcentration	MDL	MRL Instr: ICPMS03 Prepared: 02/2		Dil	Analyzed	Qualifier Analyst: ALN
Metals - Low L	x 1640 N2B1755		MDL 0.0038	Instr: ICPMS03		Dil 1	Analyzed 02/26/22	
Metals - Low L Method: EPA Batch ID: V Copper, Di	x 1640 N2B1755	Preparation: EPA 1640#Preconcentration		Instr: ICPMS03 Prepared: 02/2	25/22 16:58		·	Analyst: ALN
Metals - Low L Method: EPA Batch ID: V Copper, Di	x 1640 N2B1755 issolved	Preparation: EPA 1640#Preconcentration		Instr: ICPMS03 Prepared: 02/2 0.010	25/22 16:58 ug/l	1	02/26/22	Analyst: ALN (Continued)
Metals - Low L Method: EPA Batch ID: V Copper, Di	n 1640 N2B1755 issolved Imple Results	Preparation: EPA 1640#Preconcentration		Instr: ICPMS03 Prepared: 02/2 0.010	25/22 16:58 ug/l	1	02/26/22	Analyst: ALN (Continued)
Metals - Low L Method: EPA Batch ID: V Copper, Di	n 1640 N2B1755 issolved ample Results E-20-W14	Preparation: EPA 1640#Preconcentration		Instr: ICPMS03 Prepared: 02/2 0.010	25/22 16:58 ug/l	1	02/26/22	Qualifier Analyst: ALN (Continued) rski/Kate Buckley Qualifier
Metals - Low L Method: EPA Batch ID: V Copper, Di Sample: Analyte	n 1640 N2B1755 issolved ample Results E-20-W14	Preparation: EPA 1640#Preconcentration 7.9	0.0038	Instr: ICPMS03 Prepared: 02/2 0.010	25/22 16:58 ug/l ampled: 02/21	1 /22 9:20 b	02/26/22 y Marisa Swide	Analyst: ALN (Continued) rski/Kate Buckley

2B22072 Page 7 of 9

0.0038

Prepared: 02/25/22 16:58

ug/l

0.010

Preparation: EPA 1640#Preconcentration

5.2



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

03/15/2022 17:11 **Project Manager:** Marisa Swiderski

Qu	ality	Control	Results
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Metals - Low Level by 1600 Series Methods											
					Spike	Source		%REC		RPD	
Analyte	Result	MDL	MRL	Units	Level	Result	%REC	Limits	RPD	Limit	Qualifier
Batch: W2B1754 - EPA 1640											
Blank (W2B1754-BLK1)				Pre	oared: 02/25/2	2 Analyzed:	02/26/22	2			
Copper, Dissolved	ND	0.0038	0.010	ug/l		•					
LCS (W2B1754-BS1)				Prei	pared: 02/25/2	2 Analyzed:	02/26/22	2			
Copper, Dissolved	9.26	0.0038	0.010	ug/l	10.0	,	93	70-130			
Matrix Spike (W2B1754-MS1)	Source: 2	B22072-01		Prej	pared: 02/25/2	2 Analyzed:	02/26/22	2			
Copper, Dissolved	17.6	0.0038	0.010	ug/l	10.0	8.57	91	70-130			
Matrix Spike (W2B1754-MS2)	Source: 2	B22072-19		Pre	pared: 02/25/2	2 Analyzed:	02/26/22	2			
Copper, Dissolved	18.2	0.0038	0.010	ug/l	10.0	9.15	90	70-130			
Matrix Spike Dup (W2B1754-MSD1)	Source: 2	B22072-01		Pre	pared: 02/25/2	2 Analyzed:	02/26/22	2			
Copper, Dissolved	17.8	0.0038	0.010	ug/l	10.0	8.57	92	70-130	1	30	
Matrix Spike Dup (W2B1754-MSD2)	Source: 2	B22072-19		Pre	pared: 02/25/2	2 Analyzed:	02/26/22	2			
Copper, Dissolved	18.2	0.0038	0.010	ug/l	10.0	9.15	90	70-130	0.03	30	
Batch: W2B1755 - EPA 1640											
Blank (W2B1755-BLK1)				Prei	pared: 02/25/2	2 Analyzed:	02/26/22	2			
Copper, Dissolved	0.00975	0.0038	0.010	ug/l		,					J
LCS (W2B1755-BS1)				Pre	pared: 02/25/2	2 Analyzed:	02/26/22	2			
Copper, Dissolved	9.60	0.0038	0.010	ug/l	10.0	·	96	70-130			
Matrix Spike (W2B1755-MS1)	Source: 2	B22072-21		Pre	pared: 02/25/2	2 Analyzed:	02/26/22	2			
Copper, Dissolved	18.8	0.0038	0.010	ug/l	10.0	9.21	95	70-130			
Matrix Spike Dup (W2B1755-MSD1)	Source: 2	B22072-21		Pre	pared: 02/25/2	2 Analyzed:	02/26/22	2			
Copper, Dissolved	19.2	0.0038	0.010	ug/l	10.0	9.21	100	70-130	2	30	



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 03/15/2022 17:11

Project Manager: Marisa Swiderski



Item

Notes and Definitions

J	Estimated conc. detected <mrl and="">MDL.</mrl>
%REC	Percent Recovery
Dil	Dilution
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

2B22072 Page 9 of 9

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5) WECK will contact Wood PM within 24 hours if any sample anomalies are found.

Weck Laboratories, Inc.

Analytical Laboratory Services - Since 1964

CHAIN OF CUSTODY RECORD

	14859 East Clark Avenue: Industry : CA 91745 Tel_626-336-2139 ◆ Fax_626-336-2634 ◆ www.wecklabs.com						STANDARD							204012					
Tel 626-336-213	9 ♦ Fax 626	3-336 - 2634	♦ ww													Pag	e 1	Of	i 3
CLIENT NAME:				PROJECT:					A۱	VALY	SES	REQUE	STED)			CIAL H	ANDLII	NG
Wood Environment ADDRESS: 9177 Sky Park Ct.	& Infrastructur	e Solutions,	Inc.	SIYB IWHC Pa (Port of Si PHONE: 858-300-4; FAX: 858-300-4;	an Diego) 324		ug/L, RL= 0.01	1									24 H	e Day Rus our Rush 1 2 Hour Rus	100%
San Diego, CA 921	23			EMAIL: marisa.swiderski@woodplc.com		88	<u> </u>								[]	4 - 5	Day Rush	30%	
3 , -				barry.snyder@woodplc.com		0.00											Extraction		
PROJECT MANAGER	}			SAMPLER		o MÖ							-				usiness D	•	
Marisa Swiderski				Marisa Swiderski (MS)	/ Kate Buckley	(KB)	Opp									Charges	will apply	C Data Pa	
ID# (For lab Use Only)	DATE SAMPLED	TIME SAMPLED	SMPL	SAMPLE IDENTIFICATION		# OF CONT.	Dissolved (Method EPA									Method o	of Shipme		enus/no
	02/21/22	11:05	seawater	C-1-W14		1	Ω≳ X			1				+	₩	COMMEN	112		
	02/21/22	11:50	seawater	C-2-W14		1	X			1			+-		\vdash	ļ			
	02/21/22	11:10	seawater	C-3-W14		1	Х							 					
<u> </u>	02/21/22	10:20		C-4-W14		1	Х					-		<u> </u>		<u> </u>			
*	02/21/22	10:55		C-5-W14		1	Х							1	П				
1 1	02/21/22	9:45		C-6-W14		1	Х											· · · · · ·	·
	02/21/22	10:35		C-7-W14		1	Х									•	·		
	02/21/22	10:25	_	C-8-W14		1	Х												*****
	02/21/22	10:15	_	C-9-W14		1	Х												
	02/21/22	9:50		C-10-W14	<u> </u>	1	Х												
RELINQUISHED E	02/21/22	10:00		C-11-W14		1	X												
Morrison &	rdersh		02/2	/TIME 22/2022 0900 /TIME	RECEIVED	لان	-5	<u>S</u>	- >4	ul	h			SAMPL al Temp		ondition:	3.c	AQ≔Ad NA≔ N SL = S	
Hack	Sauce	h	2-	22-22/100		elm) -	212	rlz	l	110	0	Prese Evide	ived Or erved ence Se ainer Int	als Pre	esent	Y		Drinking V Waste Wa Rain Wate Ground W
RELINQUISHED B		NEOD	DATE	/ TIME	RECEIVED	BY									bsa		* M	SO = S SW = S OL = C	Soil Solid Was Dil Other Matri
	ERVE Cu sample e field filtered us blume of each sa lowing amounts:	les IMMEDIAT sing 0.45 um b ample for disso Copper = 10	FELY. HE pottletop : plved me	DPE metals bottles have Nifilt. system. tals to archive.	O acid (HNO3) in	bottle.] 	follov 1) Pro (2) Po (3) Or	ving i	nform #: 201 //4 51	nvoices (lation : 5100113 PO# :	3.0002E	3.WEC	K	woodplc.d	com and	nclude (the

- 1	A	/	I	
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5) WECK will contact Wood PM within 24 hours if any sample anomalies are found.

4) SPIKE level at the following amounts: Copper = 10 ug/L

Weck Laboratories, Inc.

Analytical Laboratory Services - Since 1964

CHAIN OF CUSTODY RECORD 2B22072

(4) GL: 573000

14859 East Clark	Avenue: Inc	dustry : C	A 9174	5				5	STAN	IDAR	RD.					المستار	1
Tel 626-336-2139	9 ♦ Fax 626	-336-2634	♦ ww	w.wecklabs.com										Pag	ge 2	Of_	3
CLIENT NAME:				PROJECT:					ANAL	YSES.	REQUE	STED		SPF	ECIAL HA	NDLIN	3
Wood Environment ADDRESS:	& Infrastructur	e Solutions,	Inc.	SIYB IWHC Pau (Port of Sa PHONE: 858-300-43	n Diego)		RL= 0.01								24 Hou	Day Rush [.] ır Rush 100 Hour Rush	0%
9177 Sky Park Ct. San Diego, CA 9212	23			FAX: 858-300-43 EMAIL: marisa.swide		<u>om</u>	2 IDL 0.0038 µg/L,								4 - 5 D Rush E	ay Rush 30 Extractions siness Day	0% 50%
PROJECT MANAGER	₹			SAMPLER			o MD						İ	-	, 10 Du.	Data Pac	
Marisa Swiderski				Marisa Swiderski (MS)	/ Kate Buckley	(KB)	0 pp	ĺ						Charge	s will apply f		
ID# (For lab Use Only)	DATE SAMPLED	TIME SAMPLED	SMPL	SAMPLE IDENTIFICATION		# OF CONT.	Dissolved (Method EPA							Method	of Shipmen		
	02/21/22	9:25	TYPE	C-12-W14		1	ă≱ X			- -		++	$+\!\!\!-$	СОММЕ	ENTS		
	02/21/22	9:25		C-13-W14		1	$\frac{ \cdot }{x}$			_	+ +	+	+	+-			· · · · · · · · · · · · · · · · · · ·
	02/21/22	9:05		C-REF-1-W14		1	l î l				1	++	+	+-			
	02/21/22	8:50		C-REF-2-W14		1	l X l	\dashv	-		1		+	+			
,	02/21/22	8:45	DI	FB-W14		1	X				1		+	+			
	02/21/22	8:55	ÐI	N3-ER-W14		1	X						\top				
	02/21/22	11:35	seawater	E-14-W14		1	Х						\top				
	02/21/22	10:50		E-15-W14		1	Х							extra v	ol. analyze	sample	MS/MSD
,	02/21/22	11:00		E-15-Dup-W14		1	Χİ										
:	02/21/22	10:10		E-16-W14	···	1	X										
	02/21/22	10:45	_	E-17-W14		1	Х						Ш_				
RELINQUISHED E	violessi		02/	771ME 22/2022 0900		<u> </u>	_	S	an	ار	N		MPLE C emperat	ture: Z	N: CみC	AQ=Aqı	n Aqueous
RELINQUISHED E	34 - Sani	h	1	- 22 - 22	RECEIVED	BY	/ ^	긴;	u v	i il	00	Preserve	e Seals F	Present) WW = V RW = R	rinking Wate Vaste Water ain Water Ground Water
RELINQUISHED E			DATE	/ TIME	RECEIVED) BY				·		Preserve	ed at Lab 102 (· · · · · · · · · · · · · · · · · · ·	SO = So SW ≈ So OL ≈ Oi	oil olid Waste
SPECIAL REQUIREME 1) LAB ACTION: PRES 2) Dissolved metals we 3) Preserve any extra v	SERVE Cu samp ere field filtered u	oles IMMEDIA sing 0.45 um	ATELY. H bottletop		lO acid (HNO3) i	n bottle	-	fc 1) (2	ollowin	ig infoi ct#: 2 : N/A	rmation :	to APInvo		@woodpl	c.com and i	nclude ti	ne

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5) WECK will contact Wood PM within 24 hours if any sample anomalies are found.

Weck Laboratories, Inc. Analytical Laboratory Services - Since 1964

CHAIN OF CUSTODY RECORD

14859 East Clark	Avenue: Ind	dustry : CA	4 9174	5	y 20, 1,003 On 100	2201			STA	AND	ARI)					Page 3 SPECIAL HAND Same Day 24 Hour R 48-72 Hou 4-5 Day Rush Extr QA/QC Da Charges will apply for w Method of Shipment: COMMENTS ONDITION: e: 2-3° esent	ILLY 12
Tel 626-336-2139	9 ♦ Fax 626	-336-2634	♦ www	w.wecklabs.com												<u>Pag</u>	e 3	Of 3
CLIENT NAME:		•		PROJECT:					ΑN	IALY:	SES	REQU	ESTE	D		SPE	CIAL HAI	IDLING
Wood Environment ADDRESS: 9177 Sky Park Ct. San Diego, CA 921:		e Solutions,	Inc.		n Diego) 24		N. 0.0038 µg/L, RL= 0.01						:			Perce Perce	24 Hou 48-72 H 4 - 5 Da Rush E	Day Rush 150% r Rush 100% four Rush 75% ay Rush 30% xtractions 50%
PROJECT MANAGER	₹ ,			SAMPLER			er ta				l					cons		Data Package
: Marisa Swiderski				Marisa Swiderski (MS)	Kate Buckley	(KB)	Copp A 164									Charges	will apply fo	r weekends/holic
ID# (For lab Use Only)	DATE SAMPLED	TIME SAMPLED	SMPL	SAMPLE IDENTIFICATION/	SITE LOCATION	# OF CONT.	Dissolved Method EP										•	
	02/21/22	9:30		r E-18-W14		1	X							_	_			
	02/21/22	9:40	seawate	E-19-W14		1	Х											
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RELINQUISHED E	Swidersh	Ċ	02	E/TIME /22/2022 0900 E/TIME (\OO	RECEIVE		~~	. 5	<u> </u>	ĺn	N	102 10			mperati	ure: Z		SAMPLE TYPE C AQ=Aqueous NA= Non Aqueou SL = Sludge DW = Drinking W
Hear	Sauce	h_		-22-22	Jan	nelmi	! ^	2	lr	15	[]	00	E	eserve vidence ontaine	Seals F	Present		WW = Waste Wa RW = Rain Wate GW = Ground Wa
RELINQUISHED I	ВҮ			E / TIME	RECEIVE) BY								**	d at Lab	leZ	* <i>M</i>	SO = Soll SW = Solid Wast OL = Oil OT = Other Matri
SPECIAL REQUIREM 1) LAB ACTION: PRE 2) Dissolved metals we 3) Preserve any extra v 4) SPIKE level at the form	SERVE Cu samp ere field filtered u volume of each s	ples IMMEDIA using 0.45 um sample for dis	ATELY. H bottletop solved m	-	O acid (HNO3)	in bottle			follo 1) Pr (2) P· (3) O	wing	infor #: 20 N/A 151	nvoice nation 151001	:			@woodpid	c.com and i	iclude the

WEEK 15 ANALYTICAL RESULTS



FINAL REPORT

Work Orders: 2C02082 Report Date: 3/15/2022

Received Date: 3/2/2022

Project: SIYB IWHC Pause Pilot (Port of San Diego)

Turnaround Time: Normal

Phones: (858) 300-4324

Fax: (858) 278-5300

P.O. #:

Billing Code:

Attn: Marisa Swiderski

Client: Wood - San Diego

9177 Sky Park Court, Ste A San Diego, CA 92123

ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • LACSD #10143 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAOMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Marisa Swiderski,

Enclosed are the results of analyses for samples received 3/02/22 with the Chain-of-Custody document. The samples were received in good condition, at 4.2 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Chris Samatmanakit Project Manager

1: State











FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 03/15/2022 17:21

Project Manager: Marisa Swiderski



Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
C-1-W15	Marisa Swiderski/Rolf Schottle	2C02082-01	Sea Water	03/01/22 10:40	
C-2-W15	Marisa Swiderski/Rolf Schottle	2C02082-02	Sea Water	03/01/22 10:55	
C-3-W15	Marisa Swiderski/Rolf Schottle	2C02082-03	Sea Water	03/01/22 10:30	
C-4-W15	Marisa Swiderski/Rolf Schottle	2C02082-04	Sea Water	03/01/22 09:50	
C-4-Dup-W15	Marisa Swiderski/Rolf Schottle	2C02082-05	Sea Water	03/01/22 10:00	
C-5-W15	Marisa Swiderski/Rolf Schottle	2C02082-06	Sea Water	03/01/22 10:10	
C-6-W15	Marisa Swiderski/Rolf Schottle	2C02082-07	Sea Water	03/01/22 09:25	
C-7-W15	Marisa Swiderski/Rolf Schottle	2C02082-08	Sea Water	03/01/22 10:05	
C-8-W15	Marisa Swiderski/Rolf Schottle	2C02082-09	Sea Water	03/01/22 09:55	
C-9-W15	Marisa Swiderski/Rolf Schottle	2C02082-10	Sea Water	03/01/22 09:45	
C-10-W15	Marisa Swiderski/Rolf Schottle	2C02082-11	Sea Water	03/01/22 09:30	
C-11-W15	Marisa Swiderski/Rolf Schottle	2C02082-12	Sea Water	03/01/22 09:35	
C-12-W15	Marisa Swiderski/Rolf Schottle	2C02082-13	Sea Water	03/01/22 09:20	
C-13-W15	Marisa Swiderski/Rolf Schottle	2C02082-14	Sea Water	03/01/22 09:00	
C-REF-1-W15	Marisa Swiderski/Rolf Schottle	2C02082-15	Sea Water	03/01/22 09:05	
C-REF-2-W15	Marisa Swiderski/Rolf Schottle	2C02082-16	Sea Water	03/01/22 08:50	
FB-W15	Marisa Swiderski/Rolf Schottle	2C02082-17	Water	03/01/22 08:40	
N8-ER-W15	Marisa Swiderski/Rolf Schottle	2C02082-18	Water	03/01/22 08:45	



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 03/15/2022 17:21

Project Manager: Marisa Swiderski

Sample Results

C-1-W15 Sample: Sampled: 03/01/22 10:40 by Marisa Swiderski/Rolf Schottle 2C02082-01 (Sea Water) MRI Units Dil Qualifier MDL Analyzed Analyte Result Metals - Low Level by 1600 Series Methods Method: EPA 1640 Instr: ICPMS03 Batch ID: W2C0876 Preparation: EPA 1640#Preconcentration Prepared: 03/11/22 14:40 Analyst: ALN Copper, Dissolved 0.0038 0.010 03/14/22 ug/l

Analyte

Sample Results

C-2-W15 Sample: Sampled: 03/01/22 10:55 by Marisa Swiderski/Rolf Schottle

2C02082-02 (Sea Water) Result MDL MRL Units Dil Analyzed Qualifier

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W2C0876 Preparation: EPA 1640#Preconcentration Prepared: 03/11/22 14:40 Analyst: ALN 0.010 03/14/22 Copper, Dissolved 0.0038 8.3 ug/l

Sample Results

C-3-W15 Sampled: 03/01/22 10:30 by Marisa Swiderski/Rolf Schottle Sample:

2C02082-03 (Sea Water)

MDL MRL Units Analyzed Qualifier Analyte Result

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W2C0876 Prepared: 03/11/22 14:40 Preparation: EPA 1640#Preconcentration Analyst: ALN Copper, Dissolved 0.0038 0.010 03/14/22

Sample Results

C-4-W15 Sampled: 03/01/22 9:50 by Marisa Swiderski/Rolf Schottle Sample:

2C02082-04 (Sea Water)

MDL MRI Units Analyzed Qualifier Analyte Result

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W2C0876 Preparation: EPA 1640#Preconcentration Prepared: 03/11/22 14:40 Analyst: ALN 0.0038 03/14/22 Copper, Dissolved ug/l

Sample Results

Sample: C-4-Dup-W15 Sampled: 03/01/22 10:00 by Marisa Swiderski/Rolf Schottle

MRI

2C02082-05 (Sea Water)

Analyzed Qualifier Metals - Low Level by 1600 Series Methods Method: EPA 1640 Instr: ICPMS03 Analyst: ALN

Batch ID: W2C0876 Prepared: 03/11/22 14:40 Preparation: EPA 1640#Preconcentration 0.010 Copper, Dissolved 0.0038 03/14/22 ug/l

2C02082 Page 3 of 8



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 03/15/2022 17:21

(Continued)

Project Manager: Marisa Swiderski

S	ample Results
Sample:	C-5-W15
	2C02082-06 (Sea Water)

Sampled: 03/01/22 10:10 by Marisa Swiderski/Rolf Schottle

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2C0876	Preparation: EPA 1640#Preconcentration		Prepared: 03/1	1/22 14:40			Analyst: ALN
Copper, Dissolved	7.6	0.0038	0.010	ug/l	1	03/14/22	
Sample Results							(Continued)
Sample: C-6-W15			S	ampled: 03/01	/22 9:25 b	y Marisa Swider	ski/Rolf Schottle

2C02082-07 (Sea Water) Result MDL MRL Units Dil Analyzed Qualifier

Metals - Low Level by 1600 Series Methods Method: EPA 1640

Instr: ICPMS03

Batch ID: W2C0876 Preparation: EPA 1640#Preconcentration Prepared: 03/11/22 14:40

Copper, Dissolved 0.0038 0.010 03/14/22 ug/l

Sample Results

Sampled: 03/01/22 10:05 by Marisa Swiderski/Rolf Schottle

Sampled: 03/01/22 9:55 by Marisa Swiderski/Rolf Schottle

Sampled: 03/01/22 9:45 by Marisa Swiderski/Rolf Schottle

Analyzed

C-7-W15 Sample: 2C02082-08 (Sea Water)

Result MDL MRL Units Analyzed Qualifier Analyte

Metals - Low Level by 1600 Series Methods Method: EPA 1640

Batch ID: W2C0876

Instr: ICPMS03

Units

MRI

Prepared: 03/11/22 14:40 Analyst: ALN

Preparation: EPA 1640#Preconcentration Copper, Dissolved 0.0038 0.010 03/14/22

Sample:

Analyte

Sample Results

(Continued)

Qualifier

Analyst: ALN

(Continued)

C-8-W15 2C02082-09 (Sea Water)

MDL

Metals - Low Level by 1600 Series Methods

Instr: ICPMS03

Method: EPA 1640 Batch ID: W2C0876 Preparation: EPA 1640#Preconcentration Prepared: 03/11/22 14:40 Analyst: ALN 0.0038 03/14/22 Copper, Dissolved ug/l

Result

Sample:

Sample Results

(Continued)

C-9-W15 2C02082-10 (Sea Water)

MRL Analyzed Qualifier

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W2C0876 Prepared: 03/11/22 14:40 Analyst: ALN Preparation: EPA 1640#Preconcentration 0.010 Copper, Dissolved 0.0038 03/14/22 6.8 ug/l

2C02082 Page 4 of 8



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Batch ID: W2C0877

Copper, Dissolved

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 03/15/2022 17:21

Analyst: ALN

03/14/22

Project Manager: Marisa Swiderski

X	Sa
Samp	le:

Samp	ple Results							(Continued)
Sample: C-	10-W15			Sa	mpled: 03/01	/22 9:30 b	y Marisa Swide	rski/Rolf Schottle
20	02082-11 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level	by 1600 Series Methods							
Method: EPA 1640)			Instr: ICPMS03				
Batch ID: W2C08	877	Preparation: EPA 1640#Preconcentration		Prepared: 03/1	1/22 14:41			Analyst: ALN
Copper, Dissolv	ved	6.4	0.0038	0.010	ug/l	1	03/14/22	
Samp	ple Results							(Continued)
Sample: C-	11-W15			Sa	mpled: 03/01	/22 9:35 b	y Marisa Swide	rski/Rolf Schottle
20	02082-12 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level	by 1600 Series Methods							
Method: EPA 1640)			Instr: ICPMS03				
Batch ID: W2C08	877	Preparation: EPA 1640#Preconcentration		Prepared: 03/1	1/22 14:41			Analyst: ALN
Copper, Dissolv	ved	6.2	0.0038	0.010	ug/l	1	03/14/22	
Samp	ple Results							(Continued)
Sample: C-	12-W15			Sa	mpled: 03/01	/22 9:20 b ₂	y Marisa Swide	rski/Rolf Schottle
20	02082-13 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level	by 1600 Series Methods							
Method: EPA 1640)			Instr: ICPMS03				
Batch ID: W2C08	877	Preparation: EPA 1640#Preconcentration		Prepared: 03/1	1/22 14:41			Analyst: ALN
Copper, Dissolv	ved	6.0	0.0038	0.010	ug/l	1	03/14/22	
Samp	ple Results							(Continued)
Sample: C-	13-W15			Sa	mpled: 03/01	/22 9:00 b	y Marisa Swide	rski/Rolf Schottle
20	02082-14 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level	by 1600 Series Methods							
Method: EPA 1640)			Instr: ICPMS03				
Batch ID: W2C08	877	Preparation: EPA 1640#Preconcentration		Prepared: 03/1	1/22 14:41			Analyst: ALN
Copper, Dissolv	ved	1.9	0.0038	0.010	ug/l	1	03/14/22	
Samp	ple Results							(Continued)
Sample: C-	REF-1-W15			Sa	mpled: 03/01	/22 9:05 b	y Marisa Swide	rski/Rolf Schottle
20	02082-15 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level	by 1600 Series Methods							
Method: EPA 1640)			Instr: ICPMS03				

0.26

0.0038

Prepared: 03/11/22 14:41

ug/l

0.010

Preparation: EPA 1640#Preconcentration



03/14/22

FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Copper, Dissolved

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

03/15/2022 17:21

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(Continued)

	ample Results							(Continued)
Sample:	C-REF-2-W15			S	ampled: 03/01	/22 8:50 b	y Marisa Swide	rski/Rolf Schottle
	2C02082-16 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
letals - Low	Level by 1600 Series Methods							
Method: EP	PA 1640			Instr: ICPMS03				
Batch ID:	W2C0877	Preparation: EPA 1640#Preconcentration		Prepared: 03/1	11/22 14:41			Analyst: ALN
Copper, D	Dissolved	0.30	0.0038	0.010	ug/l	1	03/14/22	
Sa	ample Results							(Continued)
Sample:	FB-W15			S	ampled: 03/01	/22 8:40 b	y Marisa Swide	rski/Rolf Schottle
	2C02082-17 (Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
letals - Low	Level by 1600 Series Methods							
Metals - Low	•			Instr: ICPMS03				
	PA 1640	Preparation: EPA 1640#Preconcentration		Instr: ICPMS03 Prepared: 03/1				Analyst: ALN
Method: EPA Batch ID:	PA 1640	Preparation: EPA 1640#Preconcentration 0.012	0.0038			1	03/14/22	Analyst: ALN
Method: EPA Batch ID: Copper, E	PA 1640 W2C0877	<u> </u>	0.0038	Prepared: 03/1	11/22 14:41	1	03/14/22	·
Method: EPA Batch ID: Copper, E	PA 1640 W2C0877 Dissolved	<u> </u>	0.0038	Prepared: 03/1 0.010	11/22 14:41 ug/l	·		(Continued)
Method: EPA Batch ID: Copper, E	wa 1640 w2C0877 Dissolved ample Results	<u> </u>	0.0038	Prepared: 03/1 0.010	11/22 14:41 ug/l	·		(Continued
Method: EPA Batch ID: Copper, E	wa 1640 w2C0877 Dissolved ample Results N8-ER-W15	<u> </u>	0.0038	Prepared: 03/1 0.010	11/22 14:41 ug/l	·		(Continued
Method: EP. Batch ID: Copper, C	wa 1640 w2C0877 Dissolved ample Results N8-ER-W15	0.012		Prepared: 03/1 0.010	11/22 14:41 ug/l ampled: 03/01	/22 8:45 b	y Marisa Swide	(Continued
Method: EPABatch ID: Copper, E Sample: Analyte	wa 1640 wzco877 Dissolved ample Results N8-ER-W15 2C02082-18 (Water)	0.012		Prepared: 03/1 0.010	11/22 14:41 ug/l ampled: 03/01 Units	/22 8:45 b	y Marisa Swide	Analyst: ALN (Continued) rski/Rolf Schottle

0.0038

0.010

Project Manager: Marisa Swiderski



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

03/15/2022 17:21

Quality Control Results

Metals - Low Level by 1600 Series Methods Analyte	Result	MDL	MRL	Units	Spike	Source		%REC		RPD	
· ······ y · ·	Result	MDL	MRL	Units	•	Source		%REC		RPD	
· ······ y · ·	Result	MDL	MRL	Units						5	
					Level	Result	%REC	Limits	RPD	Limit	Qualifier
Batch: W2C0876 - EPA 1640											
Blank (W2C0876-BLK1)				Prep	ared: 03/11/2	2 Analyzed:	03/14/22	<u>!</u>			
Copper, Dissolved	ND	0.0038	0.010	ug/l							
LCS (W2C0876-BS1)				Prep	ared: 03/11/2	2 Analyzed:	03/14/22	!			
Copper, Dissolved	9.40	0.0038	0.010	ug/l	10.0		94	70-130			
Matrix Spike (W2C0876-MS1)	Source: 2	C02082-04		Prep	ared: 03/11/2	2 Analyzed:	03/14/22	!			
Copper, Dissolved	17.1	0.0038	0.010	ug/l	10.0	7.68	94	70-130			
Matrix Spike Dup (W2C0876-MSD1)	Source: 2	C02082-04		Prep	ared: 03/11/2	2 Analyzed:	03/14/22	!			
Copper, Dissolved	16.3	0.0038	0.010	ug/l	10.0	7.68	87	70-130	4	30	
Batch: W2C0877 - EPA 1640											
Blank (W2C0877-BLK1)				Prep	ared: 03/11/2	2 Analyzed:	03/14/22	!			
Copper, Dissolved	ND	0.0038	0.010	ug/l		•					
LCS (W2C0877-BS1)				Prep	ared: 03/11/2	2 Analyzed:	03/14/22	2			
Copper, Dissolved	9.21	0.0038	0.010	ug/l	10.0		92	70-130			
Matrix Spike (W2C0877-MS1)	Source: 2	C02082-11		Prep	ared: 03/11/2	2 Analyzed:	03/14/22	<u>!</u>			
Copper, Dissolved	15.8	0.0038	0.010	ug/l	10.0	6.45	93	70-130			
Matrix Spike Dup (W2C0877-MSD1)	Source: 2	C02082-11		Prep	ared: 03/11/2	2 Analyzed:	03/14/22	<u> </u>			
Copper, Dissolved	16.0	0.0038	0.010	ug/l	10.0	6.45	96	70-130	2	30	

Project Manager: Marisa Swiderski



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported:

03/15/2022 17:21



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Notes and Definitions

%REC	Percent Recovery
Dil	Dilution
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Project Manager: Marisa Swiderski

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

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Weck Laboratories, Inc. Analytical Laboratory Services - Since 1964

CHAIN OF CUSTODY RECORD

14859 East Clark Avenue: Industry: CA 91745

2) Dissolved metals were field filtered using 0.45 um bottletop filt. system.

4) SPIKE level at the following amounts: Copper = 10 ug/L

3) Preserve any extra volume of each sample for dissolved metals to archive.

5) WECK will contact Wood PM within 24 hours if any sample anomalies are found.

STANDARD

(1) Project #: 2015100113.0002A.WECK

(2) PO #: C015102008

(3) Org: 3151

(4) GL: 573000

2002082

Tel 626-336-2139	♦ Fax 626	-336-2634	♦ www	w.wecklabs.com											Page	1_	Of_	2
CLIENT NAME:				PROJECT:					ANA	LYSE	S RE	QUES	SPECIAL HANDLING					
Wood Environment & ADDRESS:	Infrastructur	e Solutions,	SIYB IWHC Pause Pilot Study (Port of San Diego) PHONE: 858-300-4324 FAX: 858-300-4301			0.01 µg/L								**************************************	24 Hou 48-72	Day Rush Ir Rush 10 Hour Rush	0% 75%	
9177 Sky Park Ct. San Diego, CA 92123	١			EMAIL: marisa.swiderski@woodplc.com			꿃								g		ay Rush 3 Extractions	
San Diego, OA 92120	,			barry.snyder@woodplc.com			8 µg/f								*		siness Dav	
PROJECT MANAGER				SAMPLER			0.003							İ	r	QA/QC	Data Pac	kage
Marisa Swiderski				Marisa Swiderski (MS) / Rolf Schottle (RS)		Copy								Charges w	ill apply f	or weeke	nds/holidays	
ID# (For lab Use Only)	DATE SAMPLED	TIME SAMPLED	SMPL TYPE	SAMPLE IDENTIFICAT	ION/SITE LOCATION	# OF CONT.	Dissolved EPA 1640 I					:			Method of COMMENT		t:	
	03/01/22	10:40	seawate	r C-1-W15		1	Х									·		
	03/01/22	10:55	seawate	r C-2-W15		1	Х											
	03/01/22	10:30	seawate	r C-3-W15		1	Х											
انم	03/01/22	9:50	seawate			1	Х		_						extra vol.	analyze	sample	MS/MSD
	03/01/22	10:00		C-4-Dup-W15		1	X		_						_			
	03/01/22	10:10		C-5-W15		1	X		_		_ _			 	<u> </u>			
	03/01/22	9:25		C-6-W15		1	Х		_			_	-		<u> </u>			
	03/01/22	10:05		r C-7-W15		1	X		\dashv	_	_		\vdash	_				
	03/01/22	9:55		C-8-W15 C-9-W15		1 1	X		_	_	-			-	 			
	03/01/22 03/01/22	9:45 9:30		C-10-W15		1	X				\dashv	_		+	1			
RELINQUISHED BY DATE RELINQUISHED BY DATE CONTROL OF THE CONTR			2/2022 09 E/TIME 9/20/11/2	RECEIVED	RECEIVED BY			03-02-22			Actual T Receive Preserve Evidenc Contains			ridence Seals Present Y/R ontainer Intact Y /			E TYPE CODE: ueous on Aqueous udge orinking Water Waste Water kain Water Ground Water	
RELINQUISHED B'		INFORMATIO	E/TÍME [®]	RECEIVE	D BY								ed at Lab	@woodplc.c	Y / N	OL = 0 OT = 0	iolid Waste il ther Matrix	
1 <u>) LÁB ACTION</u> : PRESI	ERVE Cu samı	oles IMMEDIA	TELY. F	IDPE metals bottles have NO acid (HNO3) in bottle.														

)	V	1	/		
				ш	

5) WECK wilt contact Wood PM within 24 hours if any sample anomalies are found.

Weck Laboratories, Inc. Analytical Laboratory Services - Since 1964

CHAIN OF CUSTODY RECORD

0002 080

14859 East Clark Avenue: Industry: CA 91745									STA	ND.	ARI)			10000				
Tel 626-336-2139		-														Page	2	Of 2	
CLIENT NAME:				PROJECT:				•	AN.	ALYS	SES F	REQUE	STED			SPEC	AL HA	NDLING	,
Wood Environment	& Infrastructur	e Solutions,	SIYB IWHC Pause Pilot Study (Port of San Diego)			μg/L		·									Day Rush 150% our Rush 100%		
ADDRESS:		PHONE: 858-300-4324			0.01					1				phis	48-72	Hour Rush 75%			
9177 Sky Park Ct.				FAX: 858-300-4301						- 1						ľ	4 - 5 [Day Rush 30%	
San Diego, CA 921	23			EMAIL: <u>marisa.swiderski@woodplc.com</u> barry.snyder@woodplc.com			8 µg/L, B				•							Extractions 50%	
PROJECT MANAGER				SAMPLER			.003									l i		C Data Package	
Marisa Swiderski				Marisa Swiderski (MS)	/ Rolf Schottle	(RS)	Copp	obb.								Charges w		for weekends/h	olidays
ID#	DATE	TIME	SMPL	# OF			ved C									Method of			***
(For lab Use Only)	SAMPLED	SAMPLED	TYPE	SAMPLE IDENTIFICATION	/SITE LOCATION	CONT.	Dissol EPA 16									COMMENT	s		
	03/01/22	9:35		C-11-W15		1	Х												
	03/01/22	9:20		C-12-W15	,	1	Х							<u> </u>					
4,	03/01/22	9:00		C-13-W15		1	Х							<u> </u>					
	03/01/22	9:05		C-REF-1-W15		1	Х							_					
	03/01/22	8:50		C-REF-2-W15		1	Х							╀	<u> </u>				
	03/01/22	8:40	DI	FB-W15		1	Х		-				_	-	ļ				
	03/01/22	8:45	DI	N8-ER-W15		1	Х						-	 					
<u></u>						1	\Box	 											
1: :					1)														
RELINQUISHED I	ΒŸ		DATE	/ TIME	RECEIVE) BY		\neg						SAMPI	LE ÇC	ONDIȚION:		SAMPLE TYPE AQ=Aqueous	CODE:
	-UCKTOL	1_	3/2	42022 0915		<u> </u>	L				0	`	Actu	al Temi	oeratur <i>OU</i>	y 4.2	C_{i}	NA= Non Aqu SL = Sludge	eous
RELINQUISHED	3Y / //	1	DATE	TIME	RECEIVE) Β̄Ϋ́		,)	1		eived O			(X/N	DW = Drinking WW = Waste	
10 10 31				lalaa luaa M				03-02-22 1122					Evide	ence Se ainer Ir		resent	YIN	RW = Rain Wa	ater
RELIŃQUISHED I	3Y	+	DATE	/ TIME	RECEIVE	BY							Pres	erved a	t Lab		Y / (
					V													SW ≈ Solid W OL ≈ Oil OT = Other M:	
SPECIAL REQUIREM	ENTS / BILLING	INFORMATION	NO		-	•			Pleas	e sul	omit i	nvoices	to API	nvoice	e.US@	@woodplc.c	om and	include the	
1) LAB ACTION: PRE	SERVE Cu sam	ples IMMEDIA	ATELY, H	IDPE metals bottles have N	NO acid (HNO3) i	n bottle	١.			•		nation :			015				
2) Dissolved metals we	ere field filtered u	ısing 0.45 um	bottletop	filt. system.								151001 [,] กวกกร	13.0002	A.WE	CK				
3) Preserve any extra					(2) PO #: C015102008 (3) Org: 3151														
4) SPIKE level at the fo	ollowing amounts	s: Copper = 10							(4) GL: 573000										

WEEK 16 ANALYTICAL RESULTS



FINAL REPORT

Work Orders: 2C09095 Report Date: 4/05/2022

Received Date: 3/9/2022

Turnaround Time: Normal

Phones: (858) 300-4324

Fax: (858) 278-5300

P.O. #:

Billing Code:

Attn: Marisa Swiderski

Client: Wood - San Diego

9177 Sky Park Court, Ste A San Diego, CA 92123

Project: SIYB IWHC Pause Pilot (Port of San Diego)

EPA-UCMR #CA00211 ● Guam-EPA #17-008R ● LACSD #10143 ● NJ-DEP #CA015 ● NV-DEP #NAC 445A ● SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Marisa Swiderski,

Enclosed are the results of analyses for samples received 3/09/22 with the Chain-of-Custody document. The samples were received in good condition, at 5.5 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Chris Samatmanakit Project Manager

1: State









2C09095 Page 1 of 9



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 04/05/2022 15:54

Project Manager: Marisa Swiderski



Case Narrative

Report includes only re-analysis results. -CSS 4/5/22



Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
C-1-W16	Marisa Swiderski/Kate Buckley	2C09095-01	Sea Water	03/08/22 11:35	
C-2-W16	Marisa Swiderski/Kate Buckley	2C09095-02	Sea Water	03/08/22 12:00	
C-3-W16	Marisa Swiderski/Kate Buckley	2C09095-03	Sea Water	03/08/22 11:20	
C-4-W16	Marisa Swiderski/Kate Buckley	2C09095-04	Sea Water	03/08/22 10:45	
C-5-W16	Marisa Swiderski/Kate Buckley	2C09095-05	Sea Water	03/08/22 11:25	
C-6-W14	Marisa Swiderski/Kate Buckley	2C09095-06	Sea Water	03/08/22 10:05	
C-7-W16	Marisa Swiderski/Kate Buckley	2C09095-07	Sea Water	03/08/22 11:05	
C-8-W16	Marisa Swiderski/Kate Buckley	2C09095-08	Sea Water	03/08/22 10:55	
C-9-W16	Marisa Swiderski/Kate Buckley	2C09095-09	Sea Water	03/08/22 10:47	
C-10-W16	Marisa Swiderski/Kate Buckley	2C09095-10	Sea Water	03/08/22 10:30	
C-11-W16	Marisa Swiderski/Kate Buckley	2C09095-11	Sea Water	03/08/22 10:40	
C-12-W16	Marisa Swiderski/Kate Buckley	2C09095-12	Sea Water	03/08/22 09:40	
C-13-W16	Marisa Swiderski/Kate Buckley	2C09095-13	Sea Water	03/08/22 09:20	
C-REF-1-W16	Marisa Swiderski/Kate Buckley	2C09095-14	Sea Water	03/08/22 09:25	
C-REF-2-W16	Marisa Swiderski/Kate Buckley	2C09095-15	Sea Water	03/08/22 09:10	
FB-W16	Marisa Swiderski/Kate Buckley	2C09095-16	Water	03/08/22 09:00	
N3-ER-W16	Marisa Swiderski/Kate Buckley	2C09095-17	Water	03/08/22 09:05	
E-14-W16	Marisa Swiderski/Kate Buckley	2C09095-18	Sea Water	03/08/22 11:50	
E-15-W16	Marisa Swiderski/Kate Buckley	2C09095-19	Sea Water	03/08/22 11:10	
E-16-W16	Marisa Swiderski/Kate Buckley	2C09095-20	Sea Water	03/08/22 10:30	
E-17-W16	Marisa Swiderski/Kate Buckley	2C09095-21	Sea Water	03/08/22 11:15	
E-18-W16	Marisa Swiderski/Kate Buckley	2C09095-22	Sea Water	03/08/22 09:50	
E-19-W16	Marisa Swiderski/Kate Buckley	2C09095-23	Sea Water	03/08/22 10:10	
E-19-DUP-W16	Marisa Swiderski/Kate Buckley	2C09095-24	Sea Water	03/08/22 10:20	
	Marisa Swiderski/Kate	2C09095-25	Sea Water	03/08/22 09:50	

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FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 04/05/2022 15:54

Project Manager: Marisa Swiderski

			Sa
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ample Results

Sample: Sampled: 03/08/22 11:35 by Marisa Swiderski/Kate Buckley 2C09095-01RE1 (Sea Water) MRI Dil Qualifier MDL Analyzed Analyte Result Metals - Low Level by 1600 Series Methods Method: EPA 1640 Instr: ICPMS03 Batch ID: W2D0065 Preparation: EPA 1640#Preconcentration Prepared: 04/01/22 16:20 Analyst: ALN Copper, Dissolved 0.0038 0.010 04/01/22 ug/l



Sample Results

C-2-W16 Sample: Sampled: 03/08/22 12:00 by Marisa Swiderski/Kate Buckley

2C09095-02RE1 (Sea Water)

Analyte Result MDL MRL Units Analyzed Qualifier

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W2D0065 Preparation: EPA 1640#Preconcentration Prepared: 04/01/22 16:20 Analyst: ALN 0.010 04/01/22 0.0038 ug/l

Copper, Dissolved

Sample Results

C-3-W16 Sampled: 03/08/22 11:20 by Marisa Swiderski/Kate Buckley Sample:

2C09095-03RE1 (Sea Water)

MDL MRL Units Analyzed Qualifier Analyte Result

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W2D0065 Prepared: 04/01/22 16:20 Preparation: EPA 1640#Preconcentration Analyst: ALN Copper, Dissolved 0.0038 0.010 04/01/22



Sample Results

C-4-W16 Sampled: 03/08/22 10:45 by Marisa Swiderski/Kate Buckley Sample:

2C09095-04RE1 (Sea Water)

MDL MRI Units Analyzed Qualifier Analyte Result

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W2D0065 Preparation: EPA 1640#Preconcentration Prepared: 04/01/22 16:20 Analyst: ALN 04/01/22 Copper, Dissolved 0.0038 0.010 ug/l

Sample Results

C-5-W16 Sampled: 03/08/22 11:25 by Marisa Swiderski/Kate Buckley Sample:

2C09095-05RE1 (Sea Water)

MRI Analyzed Qualifier Metals - Low Level by 1600 Series Methods Method: EPA 1640 Instr: ICPMS03 Batch ID: W2D0065 Prepared: 04/01/22 16:20 Analyst: ALN Preparation: EPA 1640#Preconcentration Copper, Dissolved 0.0038 0.010 04/01/22 9.0 ug/l

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FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Metals - Low Level by 1600 Series Methods

Method: EPA 1640

Batch ID: W2D0065

Copper, Dissolved

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 04/05/2022 15:54

Analyst: ALN

04/01/22

Project Manager: Marisa Swiderski

3 ,		.,						
Sa	ample Results							(Continued)
Sample:	C-6-W14			Sa	mpled: 03/08	/22 10:05 b	y Marisa Swide	rski/Kate Buckley
·	2C09095-06RE1 (Sea Water)				·	•		•
Analyte	(222	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low I	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS03				
Batch ID: \	W2D0065	Preparation: EPA 1640#Preconcentration		Prepared: 04/0	1/22 16:20			Analyst: ALN
Copper, D	Dissolved	7.6	0.0038	0.010	ug/l	1	04/01/22	
Sa	ample Results							(Continued)
Sample:	C-7-W16			Sa	mpled: 03/08	/22 11:05 b ₂	y Marisa Swide	rski/Kate Buckley
	2C09095-07RE1 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low I	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS03				
Batch ID: \		Preparation: EPA 1640#Preconcentration		Prepared: 04/0				Analyst: ALN
Copper, D	Dissolved	7.4	0.0038	0.010	ug/l	1	04/01/22	
Sa	ample Results							(Continued)
Sample:	C-8-W16			Sa	mpled: 03/08	/22 10:55 b _:	y Marisa Swide	rski/Kate Buckley
	2C09095-08RE1 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low I	Level by 1600 Series Methods							
Method: EPA				Instr: ICPMS03				
Batch ID: \		Preparation: EPA 1640#Preconcentration 7.9	0.0038	Prepared: 04/0		1	04/01/22	Analyst: ALN
Copper, D		7.9	0.0036	0.010	ug/l	ļ	04/01/22	(O (; 1)
Sa	ample Results							(Continued)
Sample:	C-9-W16			Sa	mpled: 03/08	/22 10:47 b	y Marisa Swide	rski/Kate Buckley
	2C09095-09RE1 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low I	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS03				
Batch ID: \		Preparation: EPA 1640#Preconcentration	0.0000	Prepared: 04/0			0.410.4100	Analyst: ALN
Copper, D	Dissolved	6.7	0.0038	0.010	ug/l	1	04/01/22	
Sa	ample Results							(Continued)
Sample:	C-10-W16			Sa	mpled: 03/08	/22 10:30 b ₂	y Marisa Swide	rski/Kate Buckley
	2C09095-10RE1 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier

2C09095

0.0038

7.0

Preparation: EPA 1640#Preconcentration

Instr: ICPMS03

0.010

Prepared: 04/01/22 16:20

ug/l



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 04/05/2022 15:54

Project Manager: Marisa Swiderski

Sample:	

Method: EPA 1640

Batch ID: W2D0065

Copper, Dissolved

(Continued)

Analyst: ALN

04/02/22

	ample Results							(Continued
Sample:	C-11-W16			Sa	mpled: 03/08,	/22 10:40 b	y Marisa Swide	rski/Kate Buckle
	2C09095-11RE1 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
letals - Low	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS03				
Batch ID:	W2D0065	Preparation: EPA 1640#Preconcentration		Prepared: 04/0	1/22 16:20			Analyst: ALI
Copper, D	Dissolved	5.9	0.0038	0.010	ug/l	1	04/01/22	
Sa	ample Results							(Continued
Sample:	C-12-W16			Si	ampled: 03/08	3/22 9:40 b	y Marisa Swide	rski/Kate Buckle
	2C09095-12RE1 (Sea Water)							
Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifie
letals - Low	Level by 1600 Series Methods							
Method: EPA	A 1640			Instr: ICPMS03				
Batch ID:	W2D0065	Preparation: EPA 1640#Preconcentration		Prepared: 04/0	1/22 16:20			Analyst: ALI
Copper, E	Dissolved	6.7	0.0038	0.010	ug/l	1	04/01/22	
Sa	ample Results							(Continued
Sample:	C-13-W16			Si	ampled: 03/08	3/22 9:20 b	y Marisa Swide	rski/Kate Buckle
	2C09095-13RE1 (Sea Water)							
	2CU3U33-T3NET (3ea Water)							
Analyte	2CU3U33-13NET (3ed Water)	Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
Analyte Netals - Low	Level by 1600 Series Methods	Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
letals - Low	Level by 1600 Series Methods	Result	MDL		Units	Dil	Analyzed	Qualifi
Method: EP	Level by 1600 Series Methods		MDL	Instr: ICPMS03		Dil	Analyzed	
/letals - Low	Level by 1600 Series Methods A 1640 W2D0065	Preparation: EPA 1640#Preconcentration 5.6	MDL 0.0038			Dil	Analyzed 04/01/22	
Metals - Low Method: EPA Batch ID: Copper, E	Level by 1600 Series Methods A 1640 W2D0065	Preparation: EPA 1640#Preconcentration		Instr: ICPMS03 Prepared: 04/0	1/22 16:20			Analyst: ALN
Metals - Low Method: EPA Batch ID: Copper, E	Level by 1600 Series Methods A 1640 W2D0065 Dissolved	Preparation: EPA 1640#Preconcentration		Instr: ICPMS03 Prepared: 04/0 0.010)1/22 16:20 ug/l	1	04/01/22	Analyst: ALM
Metals - Low Method: EPA Batch ID: Copper, E	Level by 1600 Series Methods A 1640 W2D0065 Dissolved ample Results C-REF-1-W16	Preparation: EPA 1640#Preconcentration		Instr: ICPMS03 Prepared: 04/0 0.010)1/22 16:20 ug/l	1	04/01/22	Analyst: ALM
Method: EP. Batch ID: Copper, C	Level by 1600 Series Methods A 1640 W2D0065 Dissolved Ample Results	Preparation: EPA 1640#Preconcentration 5.6	0.0038	Instr: ICPMS03 Prepared: 04/0 0.010	11/22 16:20 ug/l ampled: 03/08	1 3/22 9:25 b	04/01/22 y Marisa Swide	Analyst: ALI (Continuec rski/Kate Buckle
Metals - Low Method: EP. Batch ID: Copper, E Sample: Analyte	Level by 1600 Series Methods A 1640 W2D0065 Dissolved C-REF-1-W16 2C09095-14RE1 (Sea Water)	Preparation: EPA 1640#Preconcentration		Instr: ICPMS03 Prepared: 04/0 0.010)1/22 16:20 ug/l	1	04/01/22	Analyst: ALN (Continuec rski/Kate Buckle
Metals - Low Method: EPA Batch ID: Copper, E Sample: Analyte Metals - Low	Level by 1600 Series Methods A 1640 W2D0065 Dissolved C-REF-1-W16 2C09095-14RE1 (Sea Water) Level by 1600 Series Methods	Preparation: EPA 1640#Preconcentration 5.6	0.0038	Instr: ICPMS03 Prepared: 04/0 0.010 S.	11/22 16:20 ug/l ampled: 03/08	1 3/22 9:25 b	04/01/22 y Marisa Swide	Analyst: ALI (Continuec rski/Kate Buckle
Metals - Low Method: EPA Batch ID: Copper, E Sample: Analyte Metals - Low Method: EPA	Level by 1600 Series Methods A 1640 W2D0065 Dissolved C-REF-1-W16 2C09095-14RE1 (Sea Water) Level by 1600 Series Methods A 1640	Preparation: EPA 1640#Preconcentration 5.6	0.0038	Instr: ICPMS03 Prepared: 04/0 0.010 Si MRL Instr: ICPMS03	11/22 16:20 ug/l ampled: 03/08 Units	1 3/22 9:25 b	04/01/22 y Marisa Swide	Analyst: ALI (Continued rski/Kate Buckle Qualifi
Metals - Low Method: EP Batch ID: Copper, E Sample: Analyte Metals - Low Method: EP Batch ID:	Level by 1600 Series Methods A 1640 W2D0065 Dissolved C-REF-1-W16 2C09095-14RE1 (Sea Water) Level by 1600 Series Methods A 1640 W2D0065	Preparation: EPA 1640#Preconcentration 5.6	0.0038	Instr: ICPMS03 Prepared: 04/0 0.010 S.	ug/l ug/l ampled: 03/08 Units	1 3/22 9:25 b	04/01/22 y Marisa Swide	Analyst: ALN (Continued erski/Kate Buckle
Metals - Low Method: EP. Batch ID: Copper, E Sample: Analyte Metals - Low Method: EP. Batch ID: Copper, E	Level by 1600 Series Methods A 1640 W2D0065 Dissolved C-REF-1-W16 2C09095-14RE1 (Sea Water) Level by 1600 Series Methods A 1640 W2D0065	Preparation: EPA 1640#Preconcentration 5.6 Result Preparation: EPA 1640#Preconcentration	0.0038 MDL	Instr: ICPMS03 Prepared: 04/0 0.010 Si MRL Instr: ICPMS03 Prepared: 04/0	11/22 16:20 ug/l ampled: 03/08 Units	1 3/22 9:25 b	04/01/22 y Marisa Swide Analyzed	Analyst: ALN (Continued erski/Kate Buckle Qualifie Analyst: ALN
Metals - Low Method: EPA Batch ID: Copper, E Sample: Analyte Metals - Low Method: EPA Batch ID: Copper, E	Level by 1600 Series Methods A 1640 W2D0065 Dissolved C-REF-1-W16 2C09095-14RE1 (Sea Water) Level by 1600 Series Methods A 1640 W2D0065 Dissolved	Preparation: EPA 1640#Preconcentration 5.6 Result Preparation: EPA 1640#Preconcentration	0.0038 MDL	Instr: ICPMS03 Prepared: 04/0 0.010 Si MRL Instr: ICPMS03 Prepared: 04/0 0.010	ug/l ug/l ampled: 03/08 Units 01/22 16:20 ug/l	1 3/22 9:25 b Dil	04/01/22 y Marisa Swide Analyzed 04/01/22	Analyst: ALN (Continued erski/Kate Buckle Qualifie Analyst: ALN (Continued
Method: EPA Batch ID: Copper, E Sample: Analyte Method: EPA Batch ID: Copper, E Copper, E	Level by 1600 Series Methods A 1640 W2D0065 Dissolved C-REF-1-W16 2C09095-14RE1 (Sea Water) Level by 1600 Series Methods A 1640 W2D0065 Dissolved Cmple Results	Preparation: EPA 1640#Preconcentration 5.6 Result Preparation: EPA 1640#Preconcentration	0.0038 MDL	Instr: ICPMS03 Prepared: 04/0 0.010 Si MRL Instr: ICPMS03 Prepared: 04/0 0.010	ug/l ug/l ampled: 03/08 Units 01/22 16:20 ug/l	1 3/22 9:25 b Dil	04/01/22 y Marisa Swide Analyzed 04/01/22	Qualifie Analyst: ALN (Continued rski/Kate Buckle Qualifie Analyst: ALN (Continued

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0.0038

Preparation: EPA 1640#Preconcentration

2.1

Instr: ICPMS03

0.010

Prepared: 04/01/22 16:20

ug/l



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 04/05/2022 15:54

Project Manager: Marisa Swiderski

X	S
Samp	le:

Sample Results

(Continued)

Sample: FB-W16			Sa	ampled: 03/08	3/22 9:00 b	y Marisa Swide	rski/Kate Buckle
2C09095-16 (Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
letals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2C1293	Preparation: EPA 1640#Preconcentration		Prepared: 03/1	7/22 16:04			Analyst: AL
Copper, Dissolved	ND	0.0038	0.010	ug/l	1	03/22/22	
Sample Results							(Continue
Sample: N3-ER-W16			Sa	ampled: 03/08	3/22 9:05 b	y Marisa Swide	rski/Kate Buckl
2C09095-17 (Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualif
letals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2C1293	Preparation: EPA 1640#Preconcentration		Prepared: 03/1	7/22 16:04			Analyst: Al
Copper, Dissolved	ND	0.0038	0.010	ug/l	1	03/22/22	
Sample Results							(Continued
Sample: E-14-W16			Sa	mpled: 03/08,	/22 11:50 b	y Marisa Swide	rski/Kate Buckl
2C09095-18 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualif
letals - Low Level by 1600 Series Methods							
Method: EPA 1640			Instr: ICPMS03				
Batch ID: W2C1293	Preparation: EPA 1640#Preconcentration		Prepared: 03/1	7/22 16:04			Analyst: AL
Copper, Dissolved	7.5	0.0038	0.010	ug/l	1	03/22/22	
Sample Results							(Continued
Sample: E-15-W16			Sa	mpled: 03/08,	/22 11:10 b	y Marisa Swide	rski/Kate Buckl
2C09095-19 (Sea Water)							
Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifi
Metals - Low Level by 1600 Series Methods							

Sample Results

(Continued)

03/22/22

Sampled: 03/08/22 10:30 by Marisa Swiderski/Kate Buckley

Analyst: ALN

Sample: E-16-W16

Batch ID: W2C1293

Copper, Dissolved

2C09095-20 (Sea Water) MDL MRL Analyzed Qualifier

0.0038

Prepared: 03/17/22 16:04

ug/l

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Preparation: EPA 1640#Preconcentration

Batch ID: W2C1293 Preparation: EPA 1640#Preconcentration Prepared: 03/17/22 16:04 Analyst: ALN Copper, Dissolved 0.010 03/22/22 0.0038 ug/l

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FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123

Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

04/05/2022 15:54

(Continued)

Reported:

Qualifier

(Continued)

Project Manager: Marisa Swiderski

Sa	ample Results
Sample:	E-17-W16
	2C09095-21 (Sea Water)
Analyte	
Motals Low	Lovel by 1600 Series Methods

Sampled: 03/08/22 11:15 by Marisa Swiderski/Kate Buckley

Analyzed

Analyte		Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low L	evel by 1600 Series Methods							
Method: EPA	1640			Instr: ICPMS03				
Batch ID: W2C1293		Preparation: EPA 1640#Preconcentration		Prepared: 03/1	7/22 16:04			Analyst: ALN
Copper, Di	issolved	8.0	0.0038	0.010	ug/l	1	03/22/22	
Sa	mple Results							(Continued)
Sample:	E-18-W16			Sa	ampled: 03/08	3/22 9:50 b	y Marisa Swidei	ski/Kate Buckley

2C09095-22 (Sea Water) Result MDL MRL Units Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03 Batch ID: W2C1293 Preparation: EPA 1640#Preconcentration Prepared: 03/17/22 16:04 Analyst: ALN

0.0038 0.010 03/22/22 Copper, Dissolved ug/l



E-19-W16 Sampled: 03/08/22 10:10 by Marisa Swiderski/Kate Buckley

2C09095-23 (Sea Water)

Result MDL MRL Units Analyzed Qualifier Analyte Metals - Low Level by 1600 Series Methods Method: EPA 1640 Instr: ICPMS03

Batch ID: W2C1293 Prepared: 03/17/22 16:04 Preparation: EPA 1640#Preconcentration Copper, Dissolved 0.0038 0.010 03/22/22

Analyst: ALN

(Continued)

(Continued)

Qualifier

Sample Results E-19-DUP-W16 Sample:

Sampled: 03/08/22 10:20 by Marisa Swiderski/Kate Buckley 2C09095-24 (Sea Water)

MRI

Units

MDL

Analyte Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03

Batch ID: W2C1293 Preparation: EPA 1640#Preconcentration Prepared: 03/17/22 16:04 Analyst: ALN 0.0038 03/22/22 Copper, Dissolved ug/l

Result

Sample Results

Sample:

Sampled: 03/08/22 9:50 by Marisa Swiderski/Kate Buckley

Analyzed

E-20-W16 2C09095-25 (Sea Water)

MRL Analyzed Qualifier

Metals - Low Level by 1600 Series Methods

Method: EPA 1640 Instr: ICPMS03 Batch ID: W2C1293

Prepared: 03/17/22 16:04 Analyst: ALN Preparation: EPA 1640#Preconcentration 0.010 Copper, Dissolved 0.0038 03/22/22 ug/l

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FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 **Project Number:** SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 04/05/2022 15:54

Project Manager: Marisa Swiderski

/ N/M/											
Metals - Low Level by 1600 Series Methods											
					Spike	Source		%REC		RPD	
Analyte	Result	MDL	MRL	Units	Level	Result	%REC	Limits	RPD	Limit	Qualifie
Batch: W2C1293 - EPA 1640											
Blank (W2C1293-BLK1)				Prei	pared: 03/17/2	2 Analyzed:	03/22/22	2			
Copper, Dissolved	ND	0.0038	0.010	ug/l		, , , , , ,					
LCS (W2C1293-BS1)				Prei	pared: 03/17/2	2 Analyzed:	03/22/22	•			
Copper, Dissolved		0.0038	0.010	ug/l	10.0	z maryzea.	97	70-130			
Matrix Spike (W2C1293-MS1)	Source: 2	.C09095-19		Prei	pared: 03/17/2	2 Analyzed:	03/22/22	•			
Copper, Dissolved			0.010	ug/l	10.0	6.61		70-130			
Matrix Spike Dup (W2C1293-MSD1)	Source: 2	C09095-19		Pres	pared: 03/17/2	2 Analyzed:	03/22/22	,			
Copper, Dissolved			0.010	ug/l	10.0	6.61	99	70-130	0.7	30	
Batch: W2D0065 - EPA 1640											
Blank (W2D0065-BLK1)					Prepared & A	malumadı 04//	11/22				
Copper, Dissolved	ND.	0.0038	0.010	ug/l	Prepared & Al	naiyzeu: 04/0	11/22				
Copper, Bissoived	The state of the s	0.0000	0.010	ugn							
LCS (W2D0065-BS1)					Prepared & A	nalyzed: 04/0	1/22				
Copper, Dissolved		0.0038	0.010	ug/l	10.0		98	70-130			
Matrix Spike (W2D0065-MS1)	Source: 2	C09095-14	RE1		Prepared & A	nalyzed: 04/0	1/22				
Copper, Dissolved	11.9	0.0038	0.010	ug/l	10.0	1.92	100	70-130			
Matrix Spike (W2D0065-MS2)	Source: 2	C09095-15	RE1		Prepared & A	nalyzed: 04/0	1/22				
Copper, Dissolved	11.8	0.0038	0.010	ug/l	10.0	2.08	97	70-130			
Matrix Spike Dup (W2D0065-MSD1)	Source: 2	C09095-14	RE1		Prepared & A	nalyzed: 04/0	1/22				
Copper, Dissolved	11.8	0.0038	0.010	ug/l	10.0	1.92	99	70-130	1	30	
Matrix Spike Dup (W2D0065-MSD2)	Source: 2	C09095-15	RE1		Prepared & A	nalyzed: 04/0	1/22				
Copper, Dissolved	12.1	0.0038	0.010	ug/l	10.0	2.08	100	70-130	2	30	



FINAL REPORT

Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123 Project Number: SIYB IWHC Pause Pilot (Port of San Diego)

Reported: 04/05/2022 15:54

Project Manager: Marisa Swiderski



Item

Notes and Definitions

%REC	Percent Recovery
Dil	Dilution
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

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Weck Laboratories, Inc. Analytical Laboratory Services - Since 1964

CHAIN OF CUSTODY RECORD

14859 East Clark Avenue: Industry: CA 91745

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Tel 626-336-2139	• Fax 626	-336-2634	♦ WWV	w.weckiabs.com													Page	<u> </u>	<u>UI_</u>	<u></u> ು
CLIENT NAME: PROJECT:							ANALYSES REQUESTED SPECIAL HANDLING													
Wood Environment of ADDRESS: 9177 Sky Park Ct. San Diego, CA 9212 PROJECT MANAGER		e Solutions,	Inc.	SIYB IWHC Pa (Port of Si PHONE: 858-300-40 FAX: 858-300-40 EMAIL: marisa.swide barry.snyder	an Dieg 324 301 erski@w	oodplc.co	<u>om</u>	er ^{1,2} 0 MDL 0.0038 µg/L, RL= 0.01										24 He 48-72 4 - 5 Rush 10 B	e Day Rush our Rush 10 ! Hour Rush Day Rush 3 Extractions usiness Day IC Data Pac	0% 175% 0% 50%
Marisa Swiderski				Marisa Swiderski (MS)	/ Kate	Buckley	(KB)	Copp 4 164								ı	Charges	will apply	for weeke	nds/holidays
ID# (For lab Use Only)	DATE SAMPLED	TIME SAMPLED	SMPL TYPE	SAMPLE IDENTIFICATION	I/SITE LC	CATION	# OF CONT.	Dissolved Method EP,								ŀ	Method o	•	nt:	
	03/08/22	11:35	seawater	C-1-W16			1	Х										······································		
	03/08/22	12:00	seawater	C-2-W16			1	Х												
	03/08/22	11:20	seawater	C-3-W16	ļ		1	Х												
	03/08/22	10:45		C-4-W16			1	Х												
	03/08/22	11:25	seawater	C-5-W16	1		1	Х												
	03/08/22	10:05	seawater	C-6-W16			1	Х										····		•••
	03/08/22	11:05		C-7-W16			1	Х												
	03/08/22	10:55	_	C-8-W16			1	X												
	03/08/22	10:47		C-9-W16			1	X												
	03/08/22	10:30		C-10-W16			1	Х												
	03/08/22	10:40		C-11-W16		<u></u>	1	Х												
Marina Awridershi 03,			7TIME 109/2022 0920 E/TIME 12:20 122	REG	CEIVED) BY		07-09-72 1220			го	Actua Rece Prese Evide	al Temp	erature 1 lce als Pre	Present Y/N			SAMPLE TYPE CODE: AQ=Aqueous NA= Non Aqueous SL = Sludge DW = Drinking Water WW = Waste Water RW = Rain Water GW = Ground Water		
				/ TIME		CEVED			Please :			se submit invoices			erved at)woodplc.	√ ر∕ا com and	SW = 8 OL = 0 OT = 0	Solid Waste il ether Matrix
1) LAB ACTION: PRES	SERVE Cu same	oles IMMEDIA	TELY. H	IDPE metals bottles have I	√O acid	(HNO3) is	n bottle		i	TOHOV	ving i	ntorma	ition :							

- 2) Dissolved metals were field filtered using 0.45 um bottletop filt. system.
- 3) Preserve any extra volume of each sample for dissolved metals to archive.
- 4) SPIKE level at the following amounts: Copper = 10 ug/L
- 5) WECK will contact Wood PM within 24 hours if any sample anomalies are found.

- (1) Project #: 2015100113.0002A.WECK
- (2) PO #: C015102008
- (3) Org: 3151
- (4) GL: 573000

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Analytical Laboratory Services - Since 1964 14859 East Clark Avenue: Industry: CA 91745								STANDARD 2009095							5			
Tel 626-336-2139	♦ Fax 626	-336-2634	♦ wwv								COTE							
CLIENT NAME:				PROJECT:				AN	ALYSE	S REQU	ESTEL)		produ				
٠				SIYB IWHC Paus	se Pilot Study		5							Same	Day Rush 150%			
Wood Environment	& Infrastructur	e Solutions,	Inc.	(Port of Sar	Diego)		RL= 0.01							24 Ho	ur Rush 100%			
ADDRESS:				PHONE: 858-300-432	24		Ä.			1			l l r	48-72	Hour Rush 75%			
9177 Sky Park Ct.				FAX: 858-300-430)1		P 2							~~ 4 - 5 ⊑	ay Rush 30%			
San Diego, CA 9212	23			EMAIL: <u>marisa.swider</u> :	ski@woodplc.co	<u>om</u>	88						r	Rush	Extractions 50%			
				barry.snyder@	woodplc.com								l K	7 10 Bu	siness Days			
PROJECT MANAGER				SAMPLER			∯ 04 M						ľ	QA/Q(C Data Package			
Marisa Swiderski				Marisa Swiderski (MS) / Kate Buckley (KB)									Charg	es will apply	for weekends/holid			
ID#	DATE	TIME	SMPL			# OF	Wed C						Metho	d of Shipmer	nt:			
(For lab Use Only)	SAMPLED	SAMPLED	TYPE	SAMPLE IDENTIFICATION/S	SITE LOCATION	CONT.	Disso						COMM	IENTS				
4	03/08/22	9:40	seawater	C-12-W16		1	Х											
*	03/08/22	9:20	seawater	C-13-W16		1	X								•			
	03/08/22	9:25	seawater	C-REF-1-W16		1	X											
	03/08/22	9:10	seawater	C-REF-2-W16		1	Х	_										
	03/08/22	9:00	DI	FB-W16		1	X					-						
	03/08/22	9:05	DI	N3-ER-W16		1	Х			_				٠				
	03/08/22	11:50	seawater	E-14-W16		1	X											
	03/08/22	11:10		E-15-W16		1	Х											
	03/08/22	10:30		E-16-W16		1	X											
	03/08/22	11:15		E-17-W16	<u> </u>	1	Х											
	03/08/22	9:50		E-18-W16		1	LXA											
RELINQUISHED B	3Y		DATE	/ TIME	RECEIVE) BY	(,	1					LE CONDITION		SAMPLE TYPE CO AQ=Aqueous			
Maria.	Awiden	4	03/	109/2022 0920		لال	\bigcup	\mathcal{L}	<u>) </u>		Act	ual Temp	perature: 5.6 239	È	NA= Non Aqueou SL = Sludge			
RELINQUISHED E	3Y /)	DATE	TIME 20	RECEIVED	O BY		- 0.23				ceived O	n Ice	Ø/ N	DW = Drinking W			
1 X a	, (,			Halaa'	Ja		ala	122		1220	Evi	eserved dence Se ntainer Ir	eals Present	Y / N Y / N	RW = Rain Water			
			DATE	7 T T T T T T T T T T T T T T T T T T T	DE 651/F	2.07	- 7	IL		1000		serveq s		Y / N	1 1			
RELINQUISHED E	3 Y	1	DATE	/TIME	RECEIVE	ום כ								(/ 14	SW = Solid Waste			
											l				OL = Oil			
SPECIAL REQUIREM	ENITS / BILLING	INEODMATI	ON		<u> </u>		<u>.</u>	Plea	se suhi	nit invoic	es to Al	Invoice	e.US@wood	olc.com and	OT = Other Matrix include the			
				JDDE motale battles have N		in battle				formation								
				HDPE metals bottles have No	o auu (HNO3)	ii DUUIE				: 2015100		2A.WE	CK					
2) Dissolved metals we		-	-							15102008	3							
Preserve any extra \ SPIKE level at the force.				ictais to archive.				9'')rg: 315 SL: 5730									
5) WECK will contact V				anomalies are found				1,7,6	5700									

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Weck Laboratories, Inc.

CHAIN OF CUSTODY RECORD

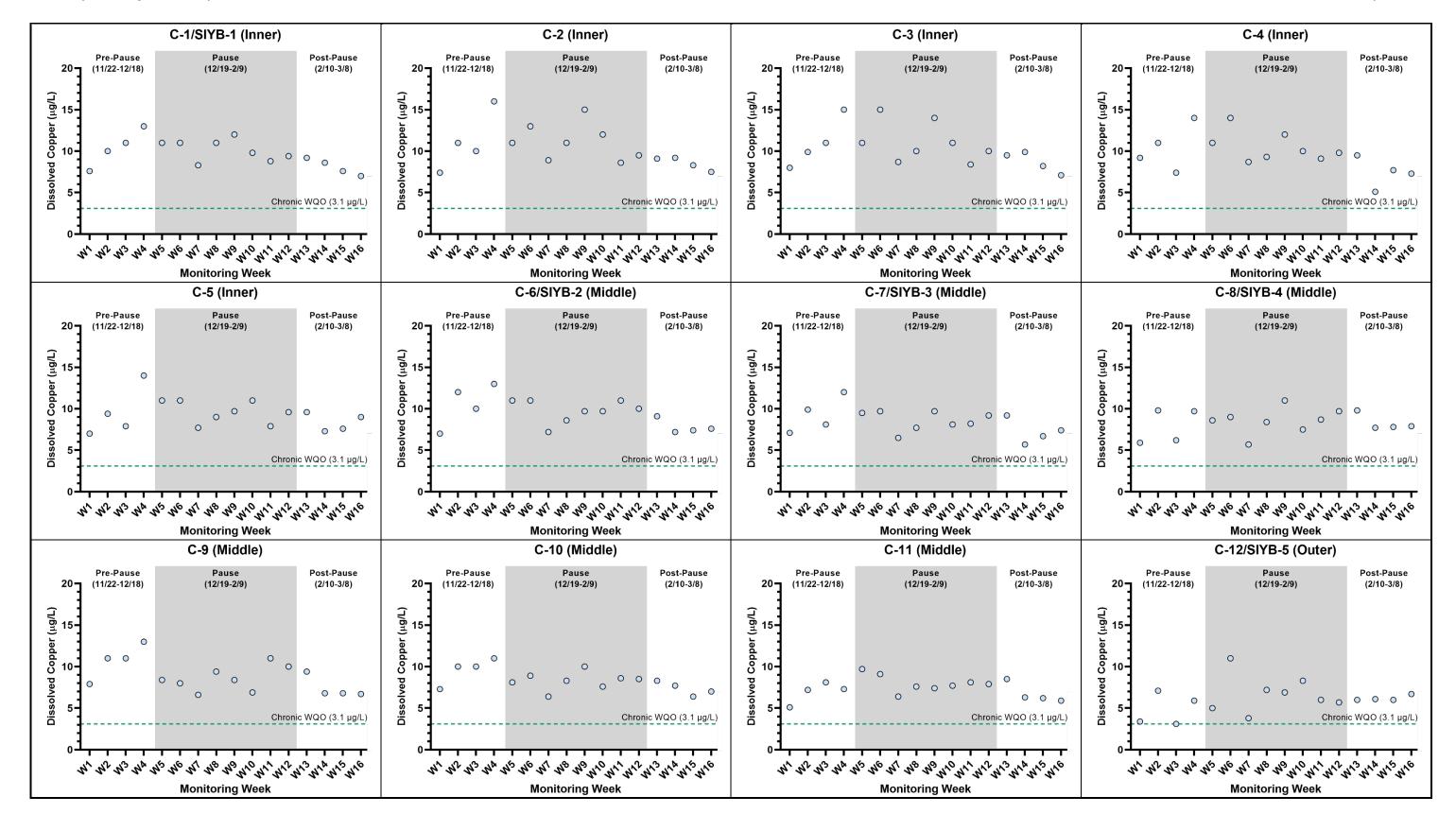
Analytical Laboratory Services - Since 1964 14859 East Clark Avenue: Industry: CA 91745 Tel 626-336-2139 ♦ Fax 626-336-2634 ♦ www.wecklabs.com										STA	NDA	۱RD)			2001095					
	♦ Fax 626-	336-2634	♦ wwv		com.											<u>Page 3 Of 3</u>					
CLIENT NAME:				PROJECT:						ANA	ALYSI	ES F	REQUE	STED			SPEC	IAL HA	NDLIN	3	
Wood Environment & ADDRESS:	SIYB IWHC Pause Pilot Study (Port of San Diego) PHONE: 858-300-4324				L, RL= 0.01									r	24 Hou	Day Rush r Rush 10 Iour Rush	0%				
9177 Sky Park Ct. Sán Diego, CA 92123				FAX: 858-300-4301 EMAIL: marisa.swiderski@woodplc.com barry.snyder@woodplc.com													r	Rush E	ny Rush 3 xtractions iness Day	50%	
PROJECT MANAGER				SAMPLER				pper ¹									<u> </u>		Data Pac		
Marisa Swiderski				Marisa Sw	iderski (MS) /	Kate Buckley	<u>` </u>	P S S												nds/holidays	
ID# (For lab Use Only)	DATE SAMPLED	TIME SAMPLED	SMPL	SAMPLE	ENTIFICATION/S	SITE LOCATION	# OF CONT.	Dissolved Method El									Method of COMMENT				
Paris Control	03/08/22	10:10	seawater	E-19-W16			1	Х									extra vol.	analyze	sample	MS/MSD	
	03/08/22	10:20		E-19-Dup-	W16		1	Х													
	03/08/22	9:50	seawater	E-20-W16			1	Х													
						····						-									
						<u> </u>															
SELINALIA IES E			ID A TE			IDEAD VEC	 	\Box	$\overline{}$										CAMPI	E TYPE CORE	
RELINQUISHED E	widen	-	03.	8/09/2022 0920 REDEIVED BY										Actu	SAMPI Ial Temp T~7	peratu	ONDITION: Te: G		SAMPLE TYPE COD AQ≔Aqueous NA= Non Aqueous SL ≃ Sludge	ueous n Aqueous	
RELINQUISHED E		· ·	DATE	TE / TIME 12 RECEIVED BY					3/9/22 1220					Pres Evid	eived O served ence Se tainer In	eals Pi	resent	* * * * * * * * * * * * * * * * * * *		rinking Water Vaste Water ain Water Fround Water	
RECINQUISHED BY DAT				E / TIME RECEIVED BY											Preserved at Lab Y / N SO = Sol SW = Sol OL = Oil					oll olid Waste I ther Matrix	
SPECIAL REQUIREME 1) LAB ACTION: PRES 2) Dissolved metals we 3) Preserve any extra v 4) SPIKE level at the fo	SERVE Cu samp re field filtered u rolume of each s illowing amounts	oles IMMEDIA sing 0.45 um ample for diss :: Copper = 10	ATELY. F bottletop solved m) ug/L	o filt. system. netals to arch	ve.	D acid (HNO3) i⊧	n bottle			follow (1) Pro (2) PC (3) Or	ving in	form #: 20 01510 61	ation 151001			-	@woodplc.c	om and i	nclude t	ne	

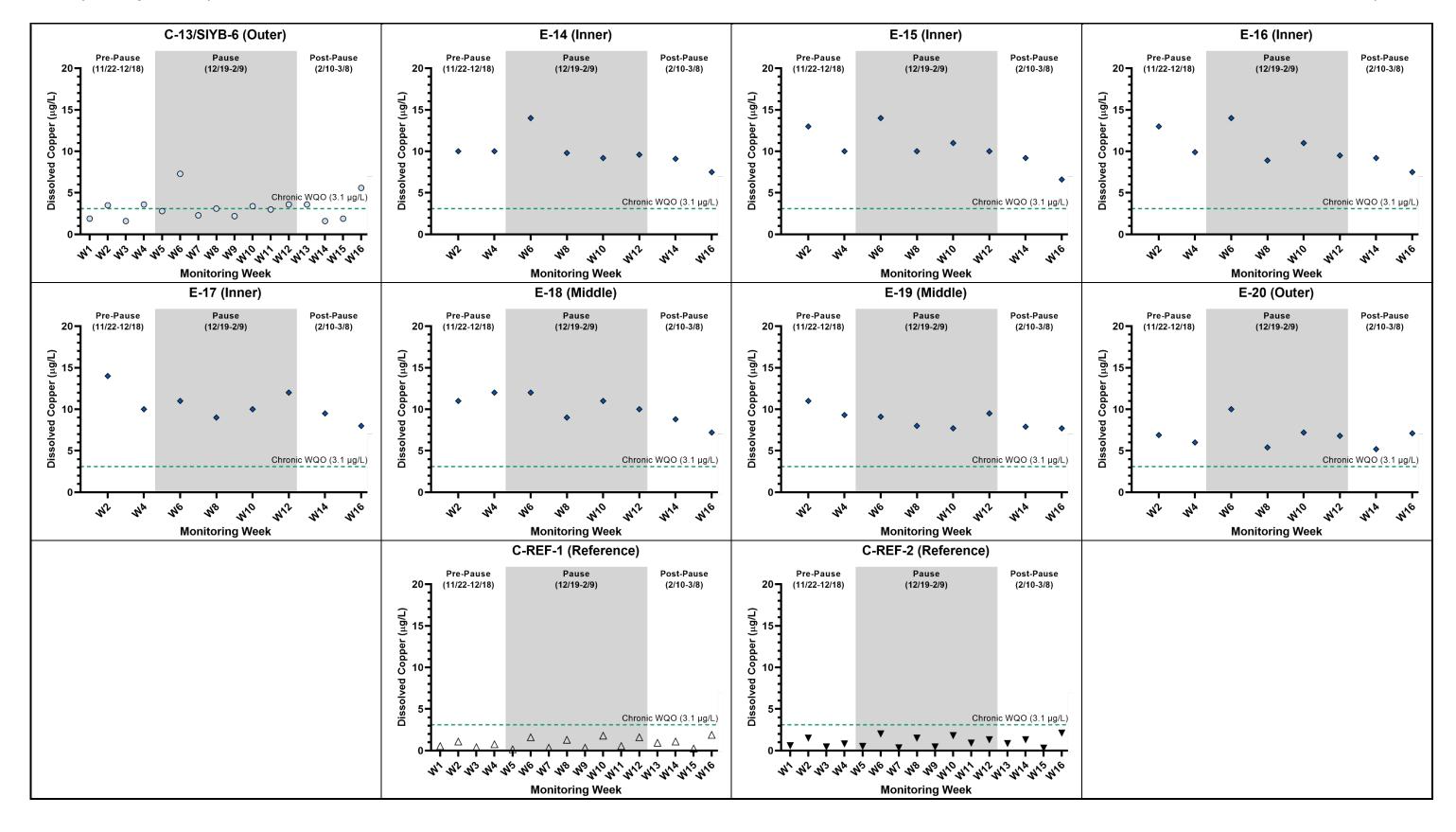
APPENDIX D SUPPLEMENTAL DATA ANALYSIS AND GRAPHS



September 2022

In-Water Hull Cleaning Pause Water Quality Monitoring
Dissolved Copper Concentrations by Monitoring Station Over Time





In-Water Hull Cleaning Pause Water Quality Monitoring Dissolved Copper Concentrations by Monitoring Week

