APPENDIX A

SIYB DISSOLVED COPPER TMDL MONITORING PLAN (REVISION 8)

FINAL
SHELTER ISLAND YACHT BASIN
DISSOLVED COPPER TOTAL MAXIMUM DAILY LOAD
MONITORING PLAN (REVISION 8)

Prepared for:
California Regional Water Quality Control Board,
San Diego Region

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ACRONYMS AND ABBREVIATIONS

AMEC	AMEC Environment & Infrastructure, Inc.
APHA	American Public Health Association
Basin Plan	*Water Quality Control Plan for the San Diego Basin – Region 9*
BMP	best management practice
COC	chain-of-custody
COVID-19	Coronavirus Disease 2019
CTD	conductivity, temperature, and depth profiler
CTR	California Toxics Rule
DO	dissolved oxygen
DOC	dissolved organic carbon
DPR	Department of Pesticide Regulation
EC_{50}	median effect concentration
ELAP	California Environmental Laboratory Accreditation Program
Implementation Plan	SIYB Dissolved Copper TMDL Implementation Plan
Investigative Order	Investigative Order No. R9-2011-0036
L_h	annual dissolved copper loading from hull cleaning
L_p	annual dissolved copper loading from passive leaching
L_v	average annual dissolved copper loading per vessel
LC_{50}	median lethal concentration
MAR	marine habitat beneficial use
Monitoring Plan	SIYB Dissolved Copper TMDL Monitoring Plan
N/A	not applicable
NELAP	National Environmental Laboratory Accreditation Program
N_v	number of vessels
OAL	Office of Administrative Law
PDF	Portable Document Format
Port	Port of San Diego
QA	quality assurance
QAPP	Quality Assurance Project Plan
QC	quality control
RHMP	Regional Harbor Monitoring Program
Regional Board	San Diego Regional Water Quality Control Board
SBE	SeaBird Electronics
SCCWRP	Southern California Coastal Water Research Project
SIML	Shelter Island Master Leaseholders
SIYB	Shelter Island Yacht Basin
SM	Standard Method
SOP	standard operating procedure
SWAMP	Surface Water Ambient Monitoring Program
State Board	California State Water Resources Control Board
TIE	toxicity identification evaluation
TMDL	total maximum daily load
TOC	total organic carbon
TSS	total suspended solids
TST	Test of Significant Toxicity
USEPA	United States Environmental Protection Agency
Weston	Weston Solutions, Inc.
WILD	wildlife habitat beneficial use
Wood	Wood Environment & Infrastructure Solutions, Inc.
WQO	water quality objective
YSI	YSI Incorporated

UNITS OF MEASURE

°C	degrees Celsius
<	less than
≤	less than or equal to
µg/cm²/day	microgram(s) per square centimeter per day
µg/L	microgram(s) per liter
µm	micrometer(s)
%	percent
±	plus or minus
kg/yr	kilogram(s) per year
mg/L	milligram(s) per liter
mL	milliliter(s)
ppt	part(s) per thousand

1.0 INTRODUCTION

The *Shelter Island Yacht Basin (SIYB) Dissolved Copper Total Maximum Daily Load (TMDL) Monitoring Plan* (Monitoring Plan) describes the approach for assessing load reductions through tracking conversion of vessels from copper to non-copper hull paints to determine compliance with TMDL load reduction targets. The Monitoring Plan also details the specific elements of the water quality monitoring program that are performed in SIYB to quantify ambient dissolved copper concentrations and toxicity. Water quality monitoring is used to evaluate annual basin-wide improvements in dissolved copper concentrations and toxicity levels, and to determine progress towards compliance with the numeric and narrative objectives of the final TMDL.

The original Monitoring Plan was submitted to the San Diego Regional Water Quality Control Board (Regional Board) in May 2011 in response to a requirement specified in Resolution No. R9-2005-0019 (in which the Regional Board incorporated the dissolved copper TMDL into the *Water Quality Control Plan for the San Diego Basin – Region 9 [Basin Plan]*) (Regional Board, 2005).

Revision 1 was submitted in 2013 and included program modifications that were made as recommendations to the Regional Board in the *2012 SIYB Dissolved Copper TMDL Monitoring and Progress Report* (AMEC Environment & Infrastructure, Inc. [AMEC], 2013). The modifications presented in Revision 1 were:

- Addition of the “aged-copper paint” category to the vessel classification template
- Modifications to the methods used to collect annual vessel census information
- Discontinuation of conducting *in situ* free copper analyses
- Analytical and data analysis method revisions

Revision 2 was submitted in March 2016 and incorporated an additional paint tracking category into the annual SIYB vessel census. Department of Pesticide Regulation (DPR) Category I (low leach) was added as a paint tracking category for 2015. The Port of San Diego (Port) recommended that Category I paint be added as a tracking category during a 2015 project status meeting with the Regional Board held on October 5. This modification was approved by the Regional Board.[1] In addition, beginning in the 2015 monitoring year, the copper load contributions from passive leaching and in-water hull cleaning were presented separately. This is consistent with the loads provided in Appendix 2 of the SIYB TMDL (Regional Board, 2005). The vessel tracking template was also adjusted to include more relevant information for vessel tracking purposes.

Revision 3, submitted in August 2017, included the modification of several field procedures for the annual TMDL water quality monitoring program, as follows:

- Field filtration of samples collected for dissolved copper and zinc analyses, in agreement with the United States Environmental Protection Agency (USEPA) 1640 protocol

[1] Per E-mail correspondence between the Regional Board and Port dated October 21 and November 9, 2015.

- Performing a top-to-bottom vertical water quality profile (using a conductivity, temperature, and depth [CTD] profiler) at each station to evaluate temperature, salinity, pH, dissolved oxygen (DO), and light transmittance with depth in the water column
- Addition of total suspended solids (TSS) analyses

Revision 4, submitted in July 2018, updated the language regarding the compliance schedule (Section 1.1), as the second compliance period concluded in 2017. Modifications in Revision 4 of the Monitoring Plan were informational and did not require a response from the Regional Board.

Revision 5 was submitted in July 2019 and included updates to the toxicity testing program. Due to unexplained toxicity observed during the 2018 monitoring program, toxicity testing methods (Section 4.1.6.1) were updated to include conditions that may necessitate a toxicity identification evaluation (TIE).

Revision 6, submitted in August 2020, included additions to the TMDL water quality monitoring program to supplement compliance monitoring as follows:

- Addition of a second reference site (SIYB-REF-2) to the water quality monitoring locations
- Addition of a second water quality monitoring event to be conducted during the winter
- Addition of language detailing safety measures enacted to address the COVID-19 pandemic

Revision 7, submitted in August 2021, includes additional updates to the toxicity testing program. Chronic toxicity to mussel embryos has been observed consistently at the innermost sampling location in SIYB (Station SIYB-1) since the monitoring program began. For the 2021 monitoring program, toxicity testing methods (Section 4.1.6.1) were updated to include performing a Phase I TIE at Station SIYB-1 concurrently with standard compliance chronic toxicity testing.

Because there were no toxic effects to bivalve larvae observed at SIYB-1 during the 2021 summer monitoring event, the TIE could not be fully executed during the 2021 monitoring program. As such, Revision 8 to the Monitoring Plan (August 2022), includes updates to the toxicity testing program to perform the same concurrent chronic toxicity testing and Phase I TIE approach during the 2022 summer monitoring event. In addition, due to challenges with Pacific topsmelt supply and organism health in previous monitoring years, Revision 8 also includes the addition of acute toxicity testing using the inland silverside (*Menidia beryllina*) for the 2022 summer monitoring event. The inland silverside is commonly used as an alternate test species for Pacific topsmelt in environmental compliance testing. Supplemental tests using the inland silverside will be conducted concurrently with the routine compliance tests using Pacific topsmelt to evaluate the inland silverside as a potential alternate test species for future toxicity testing in SIYB (see Section 4.1.6.2).

This Monitoring Plan meets the requirements of Investigative Order No. R9-2011-0036 (Investigative Order), which directs the Port to develop and submit a Monitoring Plan to track the progress of implementing the TMDL, and to revise the plan as needed. In addition, the project-specific Quality Assurance Project Plan (QAPP) is revised annually (prior to the annual compliance monitoring event). The QAPP defines project-specific objectives and organization, monitoring activities, data quality objectives, and quality assurance and quality control (QA/QC) procedures in compliance with the California State Water Resources Control Board (State Board) *Surface Water Ambient Monitoring Program* (SWAMP) protocols.

1.1 Compliance Schedule

Under Resolution R9-2005-0019, the SIYB Dissolved Copper TMDL (herein referred to as "SIYB TMDL") requires that loading of dissolved copper into the water column be reduced by 76 percent (%) to 567 kilograms per year (kg/yr) over a 17-year period (Regional Board, 2005). Based on the official TMDL approval date[2], this time period is scheduled to end in 2022. No reductions in dissolved copper loading were required during the initial two-year orientation period (2005–2007). The subsequent 15-year period requires incremental reductions of dissolved copper loading: a 10% reduction within seven years; a 40% reduction within 12 years; and a 76% reduction within 17 years (Table 1-1).

Table 1-1.
Loading Targets for SIYB TMDL Attainment

Stage	Time Period	Target Reduction from SIYB TMDL Estimated Loading	Reduction To Be Attained by End of Year	Estimated Target Loading (kg/yr of Dissolved Copper)
1	2005–2007	0%	N/A	N/A
2	2008–2012	10%[a]	2012 (7 years)	1,900
3	2013–2017	40%[b]	2017 (12 years)	1,300
4	2018–2022	76%	2022 (17 years)	567

Notes:
a. Loading calculations in the *2012 SIYB Dissolved Copper TMDL Monitoring and Progress Report* showed that a 17% load reduction had been achieved. Compliance with the 2012 load reduction goal of 10% or greater was confirmed by the Regional Board in a letter to the Port dated July 26, 2013.
b. Loading calculations presented in the *2017 SIYB Dissolved Copper TMDL Monitoring and Progress Report* showed that a 40% load reduction had been achieved. Compliance with the 2017 load reduction goal of 40% or greater was confirmed by the Regional Board October 10, 2018 Executive Officer's Report as part of the monthly Regional Board meeting.
% = percent; kg/yr = kilogram(s) per year; N/A = not applicable; SIYB = Shelter Island Yacht Basin; TMDL = Total Maximum Daily Load

The first compliance year for the TMDL was 2012. Loading reduction estimates presented in the *2012 SIYB Dissolved Copper TMDL Monitoring and Progress Report* (AMEC, 2013) indicated that dissolved copper loading to SIYB by the end of compliance year (2012) had been reduced by 17%, exceeding the 10% target. In a letter dated July 26, 2013, the Regional Board stated the following, "*Based on the data submitted and information provided in the Report [2012 SIYB TMDL Monitoring and Progress Report], the 10 percent reduction in dissolved copper loading required to demonstrate compliance with the SIYB TMDL by the December 1, 2012 compliance date was achieved*" (Regional Board, 2013).

The second compliance period began in January 2013 and concluded in December 2017. Based on the results of the *2017 SIYB Dissolved Copper TMDL Monitoring and Progress Report* (Amec Foster Wheeler, 2018), the 40% reduction in dissolved copper loading required by December 31, 2017 was achieved. In a letter to the Port dated September 11, 2018, the Regional Board stated, *"The Port District's 2017 Report marks the end of Stage 3 of the interim loading targets, and suggests that overall the Yacht Basin is meeting the 40 percent reduction target as a result of improved use of best management practices and vessel conversions to less toxic hull coatings*"

2 For a TMDL to be incorporated into the Basin Plan, it must be approved by the Regional Board, State Board, Office of Administrative Law (OAL), and USEPA Region 9. The official TMDL approval date is the date of OAL approval.

(Regional Board, 2018). At the October 10, 2018 Regional Board Monthly Meeting, the Executive Officer's Report confirmed and memorialized that the SIYB TMDL efforts had successfully achieved the 2017 compliance requirement.

The final compliance period began in January 2018 and requires a 76% reduction in loading of dissolved copper into SIYB by the end of 2022.

1.2 TMDL Implementation Plan

The *2011 SIYB TMDL Implementation Plan* (Implementation Plan; Weston Solutions, Inc. [Weston], 2011) is the Named Parties' implementation strategy to reduce the loading of copper into the water column of SIYB, as directed by the SIYB TMDL and the Investigative Order. The Implementation Plan describes the approach to reducing copper loading into SIYB to preserve and restore water quality and beneficial uses of marine habitat (MAR) and wildlife habitat (WILD). The Implementation Plan takes a solutions-oriented approach of establishing and implementing best management practices (BMPs) that directly and indirectly help reduce copper loading into the basin to meet the SIYB TMDL interim and final dissolved copper loading compliance thresholds.

The Port has reviewed the BMP initiatives that were detailed in the SIYB TMDL Implementation Plan (Weston, 2011). Based upon this review, the strategic approach to planning and implementing copper reduction BMPs has not changed. The ongoing copper reduction program being implemented by the Port and the marinas and yacht clubs is following the same adaptive management strategy and concept for selecting BMPs as was outlined in the Implementation Plan. The Port and the marinas and yacht clubs provide updates on the BMP program in each annual monitoring and progress report submitted to the Regional Board. Consequently, no revisions to the Implementation Plan are necessary at this time.

1.3 Sources of Dissolved Copper

Based on the Regional Board's source analysis in the TMDL, the total mass load of dissolved copper to SIYB was estimated to be 2,163 kg/yr, of which 98% of inputs were attributable to passive leaching of copper from copper-based hull paints on vessels, and to hull cleaning activities (Table 1-2).

Table 1-2.
Sources of Dissolved Copper to SIYB per the TMDL

Source	Estimated Mass Load to SIYB (kg/yr)	Contribution to SIYB (% Dissolved Copper)
Passive Leaching	2,000	93%
Hull Cleaning	100	5%
Urban Runoff	30	1%
Background	30	1%
Direct Atmospheric Deposition	3	<1%
Sediment	0	0
Total	2,163	100%

Notes:
< = less than; % = percent; kg/yr = kilogram(s) per year; SIYB = Shelter Island Yacht Basin; TMDL = Total Maximum Daily Load

1.4 Water Quality Objective Criteria

The numeric water quality objective (WQO) for dissolved copper in SIYB is equal to the USEPA National Recommended Water Quality Criteria for Aquatic Life and California Toxics Rule (CTR) water quality criteria for dissolved copper in marine environments (USEPA, 2000). Continuous or chronic exposures may not exceed 3.1 micrograms per liter (µg/L) over a 4-day average; acute exposures may not exceed 4.8 µg/L over a 1-hour average. In addition, numeric WQOs must not be exceeded more than once every three years. Based on these numeric targets and existing monitoring data available at the time when the TMDL was implemented, the final waste load allocation was estimated to be 567 kg/yr. This includes a 10% margin of safety calculated to be 57 kg/yr.

In addition to numeric WQOs, the Basin Plan established narrative WQOs for toxicity and pesticides (Regional Board, 1994) as follows:

Toxicity Objective – *All waters shall be maintained free of toxic substances in concentrations that are toxic to, or that produce detrimental physiological responses in human, plant, animal, or aquatic life. Compliance with this objective will be determined by use of indicator organisms, analyses of species diversity, population density, growth anomalies, bioassays of appropriate duration, or other appropriate methods as specified by the Regional Board.*

Pesticide Objective – *No individual pesticide or combination of pesticides shall be present in the water column, sediments or biota at concentration(s) that adversely affect beneficial uses. Pesticides shall not be present at levels which will bioaccumulate in aquatic organisms to levels which are harmful to human health, wildlife or aquatic organisms.*

Beneficial uses within SIYB threatened by elevated dissolved copper concentrations are MAR and WILD. The Regional Board indicated that if numeric WQOs are met for dissolved copper, then narrative WQOs will also be considered to be met.

1.5 Monitoring Purpose

Results of the vessel tracking program will be used to assess both interim and final compliance with the TMDL loading reduction requirements for dissolved copper into SIYB. Water quality monitoring will be used to assess dissolved copper concentrations and toxicity levels, and also to determine progress towards final numeric and narrative objectives. These objectives are defined in Resolution No. R9-2005-0019, in which the Regional Board incorporated the dissolved copper TMDL into the Basin Plan (Regional Board, 2005). By annually tracking vessels and monitoring water quality, the program may eventually be able to evaluate the relationship between reducing loads and improving water quality. Additionally, this approach will provide the data needed to assess the overall effectiveness of the TMDL implementation in attaining both loading reductions and numeric WQOs that protect the basin's MAR and WILD beneficial uses.

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2.0 BEST MANAGEMENT PRACTICE IMPLEMENTATION FOR SIYB

The Port has incorporated an adaptive management approach to reducing copper loads in SIYB and throughout San Diego Bay. This process is outlined in the SIYB TMDL Implementation Plan. The five elements of the Port's program are: (1) alternative hull paint testing and research, (2) hull paint transition, (3) policy development and legislation (e.g., required permits for in-water hull cleaning businesses), (4) education of and outreach to boaters, and (5) monitoring and data assessment.

In addition to ongoing Port management efforts, marina and yacht club facilities located in SIYB have also developed and overseen the implementation of BMPs. BMP programs have been developed by the Shelter Island Master Leaseholders (SIML) TMDL Group, as well as individual marinas and yacht club facilities, to reduce dissolved copper loading to SIYB.

Over the course of developing the TMDL, multiple additional BMPs have been integrated to build on previous knowledge and to facilitate effective implementation of the SIYB TMDL program. Additional measures include meetings between the Port and other stakeholders in SIYB about the TMDL; increased scrutiny of water quality data and analytical methods; reassessment of field sampling techniques, including additional oversight of field procedures; and review of methods to track the type of hull paints on vessels in SIYB. These measures were intended to collect relevant, quality data; enhance communication among all involved parties; and develop an iterative and collaborative process that provides both transparency to the process and a known and scientifically defensible dataset to support the TMDL compliance objectives.

The Port has developed a comprehensive copper reduction program and maintains a cumulative list of copper reduction BMPs implemented in support of the TMDL since 2007. In addition, the marinas and yacht clubs are involved in selecting and implementing BMPs that contribute to the dissolved copper load reductions in SIYB. In compliance with Investigative Order reporting requirements, the marinas and yacht clubs submit information annually to the Port detailing the BMPs and actions implemented throughout the year to reduce dissolved copper loads to SIYB. The various Port and marina and yacht club BMP activities undertaken throughout the year will be tracked and reported in detail in the annual monitoring and progress report. In addition, any updates regarding the copper reduction BMP strategies outlined in the TMDL Implementation Plan will be included in an appendix to the annual monitoring and progress report.

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3.0 TRACKING VESSEL CONVERSIONS

Based on the Regional Board's TMDL source analysis, the vast majority (98%) of copper loading to SIYB was attributed to antifouling paints on vessels moored within the basin.

3.1 Vessel Tracking

Annual reduction of copper loading will be assessed by (a) tracking conversions of hull paints from copper to non-copper or lower copper (either DPR Category I paints or paints containing less than 40% copper) products, (b) identifying vessels with aged-copper paints, and (c) estimating the resultant contribution from in-water hull cleaning of copper paints for vessels moored within SIYB.

3.1.1 Tracking Approach

On an annual basis, marina and yacht club owners/operators are responsible for soliciting pertinent information from SIYB boat owners of the percent of time slips in their facilities are unoccupied or are occupied by vessels with copper, non-copper, lower copper paints, aged copper, and unknown hull paints. The information will be gathered by distributing a survey form prepared by the SIML TMDL Group to the SIYB yacht club and marina operators. It will be the responsibility of the operators to ensure the survey form is disseminated to individual vessel owners. The SIML TMDL Group and marina and yacht club operators will collect and compile the completed survey forms into a database. If no initial response is received, the marina and yacht club operators will follow up with telephone calls and emails to gather the requested information. An example of the current survey form is in Attachment A.

After compiling the information, the SIML TMDL Group and other individual marinas and yacht clubs will submit the vessel tracking information to the Port annually, no later than January 15 for the previous calendar year. The vessel tracking data requested is listed in Table 3-1. The tracking reports will be submitted to the Regional Board as an appendix to the annual monitoring and progress report.

Table 3-1.
Required Vessel Tracking Data

Vessel Tracking Data Fields	
1.	Name of marina or yacht club
2.	Date of report
3.	Slip/Mooring reference number
4.	Slip/mooring occupation data (percent of year occupied)
5.	Vessel-specific information
	a. Vessel type (sail, power, multi-hull, etc.)
	b. Vessel length
	c. Vessel beam width
6.	Paint Type (copper, low copper, non-copper, no paint, etc.)

As a data QA/QC and confirmation check, additional information on paint type will be required for vessels reported to have lower copper (either DPR Category I paints or paints containing less than 40% copper) or non-copper hull paints (Table 3-2).

Table 3-2.
Required Lower Copper and Non-Copper Hull Paint Vessel Data

Vessel Tracking Data Fields	
1.	Paint brand name
2.	Product number
3.	USEPA Registration Number (if applicable)
4.	Name of boatyard that applied paint or purchase date
5.[a]	Painting date (month and year)
6.	Percent copper

Notes:
USEPA = United States Environmental Protection Agency
a. This information is required for determining whether a vessel has aged-copper paint.

The Port will evaluate the vessel tracking data from the marinas and yacht clubs to determine the percentage of time that slips are unoccupied or are occupied by vessels with copper, lower copper, aged-copper paint, non-copper, or unknown hull paints as required by the Investigative Order (Table 3-3). These data will be used to calculate the annual dissolved copper load to SIYB from vessels, the number of vessels converted from copper to lower copper or non-copper hull paints, and the reduction in dissolved copper loading achieved annually, as described in Section 3.2 (Annual Dissolved Copper Load Analysis). Estimates of the reductions in basin-wide loading and annual loading reductions will be presented in the annual monitoring and progress reports.

Table 3-3.
Vessel Tracking Data for Annual Monitoring
as Required in Investigative Order

Vessel Tracking Data Fields	
1.	Total number of slips or buoys in facility available to be occupied by vessels
2.	Number of unoccupied slips or buoys and length of time unoccupied during each year
3.	Number of vessels confirmed with copper-based hull paints and approximate length of time occupying a slip or buoy in facility each year
4.[a]	Number of vessels confirmed with aged-copper hull paints and approximate length of time occupying a slip or buoy in facility each year
5.[b]	Number of vessels confirmed with DPR Category I or low-copper paints and approximate length of time occupying a slip or buoy in facility each year
6.	Number of vessels confirmed with alternative hull paints, by hull paint type, and approximate length of time occupying a slip or buoy in facility each year
7.	Number of vessels with unconfirmed information about hull paints and approximate length of time occupying a slip or buoy in facility each year
8.	Estimate of the dissolved copper load reduction achieved for the year (kg/yr and percent)

Notes:
DPR = Department of Pesticide Regulation; kg/yr = kilogram(s) per year
a. This vessel tracking category was not included in the Investigative Order, but was added as a recommendation in the 2012 Monitoring and Progress Report. The recommendation was approved in a July 26, 2013 letter signed by David Gibson, executive officer of the Regional Board, titled, "Comments on 2012 Shelter Island Yacht Basin Total Maximum Daily Load Monitoring and Progress Report."
b. This vessel tracking category was not included in the Investigative Order, but was added in 2015 response to the DPR's February 23, 2015 list of hull paints by leach rate category. The Regional Board approved the modification in email correspondence with the Port dated October 21 and November 9, 2015.

3.1.2 Tracking Templates

The marina and yacht club owners and operators are responsible for soliciting pertinent vessel information from SIYB boat owners. This includes tracking the number and paint types of all vessels moored at the respective marinas and/or yacht clubs within SIYB (if known and reported). The Port will be responsible for collecting vessel tracking information for the Port-operated facilities in SIYB, including the Harbor Police dock, transient dock, and weekend anchorage. Vessel data submitted in the annual report will consist of (a) the information provided by the marina and yacht club owners and operators, and (b) the information gathered by the Port for the facilities it operates.

The vessel tracking templates are in a spreadsheet format and contain fields for required vessel tracking information such as facility name, slip reference number, type and size of vessel, boatyard used for hull painting, type of hull paint (brand, product number, USEPA registration number, and percent copper, if applicable), the date (month and year) the hull was last painted (this information will be used to determine whether the vessel qualifies as having aged-copper paint), and approximate percentage of time occupying a slip in SIYB during the monitoring year. An example of the vessel tracking template is provided in Attachment A.

3.2 Annual Dissolved Copper Load Analysis

Compliance with interim and final TMDL loading reduction goals will be assessed through basin-wide vessel tracking. Annual dissolved copper loading will be assessed through tracking the number of vessel hulls with copper paint, lower copper paint, aged-copper paint, or non-copper paint, the number of slips using BMPs to isolate hulls from water (i.e., slip liners, HydroHoists®), as well as the number of vacant slips in SIYB and input from in-water hull cleaning. Vessels that have aged-copper paint are considered to be in the low-copper category, but will be tracked separately.

This annual assessment will incorporate the following assumptions that were used by the Regional Board in determining loading allocations (Regional Board 2005, Appendix 2).

- All 2,363 SIYB slips or buoys were occupied by vessels (N_v).
- All 2,363 recreational vessels moored within SIYB have copper-based paints 100% of the time.
- Annual loading from passive leaching basin-wide (L_p) equals 2,000 kg/yr.
- Annual loading from hull cleaning (L_h) equals 100 kg/yr[3].
- Average annual loading per vessel (L_v) with copper hull paint equals 0.9 kg/yr, where: $L_v = (L_p + L_h)/N_v$.

Based on the Regional Board assumptions in determining dissolved copper loading via passive leaching and hull cleaning combined, there will be an average loading reduction of 0.9 kg/yr for every vessel in SIYB that converts from copper-based to non-copper-based paint (a reduction of

[3] The TMDL assumed that 50% of the in-water hull cleaning in SIYB would be conducted using BMPs. The Port's hull cleaning ordinance requires 100% use of BMPs; therefore, the load calculations assume that 100% of in-water hull cleaning is conducted using BMPs.

0.86 kg/yr from passive leaching, and 0.04 kg/yr from the cleaning load). Beginning in 2015, the Regional Board recognized the use of DPR Category I hull paints (i.e., paints with leach rates less than or equal to (≤) 9.5 micrograms per square centimeter per day [μg/cm²/day]) as a viable means of reducing copper to the basin. This category coincides with the use of low-copper hull paints (i.e., hull coatings with less than 40% copper but leach rates greater than 9.5 μg/cm²/day). Category I hull paints and low-copper hull paints are grouped together to represent the lower copper group. This loading reduction analysis assumes that each vessel transitioned to low-copper hull paint will reduce (on average) annual dissolved copper loading by 0.45 kg/yr. Aged-copper paints (boat hulls that have not been repainted as of the cutoff date [Table 3-4]) will be considered to have low-copper hull paint (i.e., 0.45 kg/yr per vessel). Calculations of annual dissolved copper loading will be based on the assumptions listed in Table 3-4.[4]

The annual tracking program will use a conservative approach to estimating loading reductions. If the most recent painting date is unknown, the vessel will be assumed to be painted recently, and if the occupancy time of a slip or mooring is not reported, the slip or mooring will be assumed to be occupied 100% of the time (i.e., 365 days).

In addition, if the hull paint name and type are unknown or cannot be confirmed, the paint will be assumed to be copper-based. The DPR Rule went into effect on July 1, 2018, establishing a maximum leach rate of 9.5 μg/cm²/day for copper-based antifouling paints registered through the DPR and sold in California. As a result of the implementation of the DPR Rule, a majority of vessels painted since July 2018 should have DPR Category I paints. However, it should be noted that the existing stock of paints with leach rates exceeding the DPR maximum leach rate criterion were approved by the DPR for sale until June 30, 2021. As such, these high copper (i.e., non-DPR Category I paints) will not be completely phased out in California until three years following the end of the DPR Rule transition period (i.e., June 30, 2024). To account for the potential remaining non-DPR Category I paints, estimated dissolved copper loading for any unknown or unconfirmed paints will be calculated using two different approaches:

1) Original Conservative Approach: Any vessels painted with unknown or unconfirmed paints will be conservatively assumed to have high copper paint (0.9 kg/yr/vessel).

2) Non-DPR Category I Paint Phase-Out Approach Following DPR Rule Implementation: Any vessels painted with unknown or unconfirmed paints will be assumed to have low-leach copper paint (0.45 kg/yr/vessel) as a result of the implementation of the DPR Rule.

Annual loading will be calculated for each slip by multiplying the reported annual dissolved copper loading for a given hull paint category by the percent of time a slip is reported to be occupied (e.g., the product of 0.9 kg/yr for copper hull paints and 90% occupancy results in an annual loading of 0.81 kg/yr). In the case of the weekend anchorage and transient dock, data on the length of stay indicated by each permit will be used to calculate annual occupancy and loading. Annual dissolved copper loading for the weekend anchorage and transient dock will be calculated by multiplying the annual dissolved copper load by the average number of vessels occupying the anchorage or transient dock and the average percentage of time slips are occupied.

[4] Other loading calculation scenarios may also be assessed to evaluate loading assumptions related to factors such as paint age, vessel size, etc.

Table 3-4.
Dissolved Copper Loading Calculation Assumptions

Dissolved Copper Loading Assumptions	
1.	All vessels moored in SIYB at the enactment of the TMDL had copper hull paints.
2.	Average annual dissolved copper load from a vessel with copper paint equals 0.9 kg/yr.
	a. The passive leaching load from a vessel with copper paint equals 0.86 kg/yr.
	b. The cleaning load from a vessel with copper paint equals 0.04 kg/yr.
3.	Annual dissolved copper load for vessels with unknown or unconfirmed hull paints will be calculated using two different approaches:
	a. Original Conservative Approach: Any vessels painted with unknown or unconfirmed paints will be conservatively assumed to have high copper paint (0.9 kg/yr/vessel).
	b. Non-DPR Category I Paint Phase-Out Approach Following DPR Rule Implementation: Any vessels painted with unknown or unconfirmed paints will be assumed to have low-leach copper paint (0.45 kg/yr/vessel) as a result of the implementation of the DPR Rule.
4.	Slips/moorings for which occupancy data are not provided are considered to be 100% occupied.
5.	Annual dissolved copper load from a vessel with non-copper hull paint equals 0 kg/yr.
6.	DPR Category I paints are paints with leach rates ≤9.5 μg/cm²/day. These paints are considered as lower copper.
7.	Low-copper hull paints are paints with less than 40% copper. These paints are also considered as lower copper.
8.	Average annual dissolved copper load from a vessel with lower copper paint equals 0.45 kg/yr
	a. The passive leaching load from a vessel with lower copper paint equals 0.43 kg/yr.
	b. The cleaning load from a vessel with lower copper paint equals 0.02 kg/yr.
9	Vessels determined to have aged-copper paint (i.e., copper paint applied to a vessel hull prior to December 31, 2019[a]) will have an annual dissolved copper load equal to 0.45 kg/yr.
10.	Annual loads will be normalized by the percent of time vessels are docked in SIYB.

Notes:
≤ = less than or equal to; μg/cm²/day = microgram(s) per square centimeter per day; % = percent; DPR = Department of Pesticide Regulation; kg/yr = kilogram(s) per year; SIYB = Shelter Island Yacht Basin; TMDL = Total Maximum Daily Load
a. December 31, 2019 is the cutoff date for vessels to be considered to have aged-copper paint for the 2022 annual monitoring and progress report load calculation. This cutoff date will advance by one year for each subsequent annual load calculation.
μg/cm²/day = micrograms per square-centimeter per day; ≤ = less than or equal to; DPR = Department of Pesticide Regulation; kg/yr = kilogram(s) per year; SIYB = Shelter Island Yacht Basin; TMDL = total maximum daily load

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4.0 WATER QUALITY MONITORING

Water quality will be assessed to determine the average concentration of dissolved copper and toxicity levels in SIYB using a spatially representative sampling design. Water quality monitoring will supplement vessel tracking studies to assess long-term improvements in dissolved copper concentrations and toxicity levels that occur as a consequence of loading reductions throughout the interim stages. Water quality monitoring will also be used to determine attainment of final WQOs.

4.1 Water Quality Sampling and Analyses

For TMDL compliance monitoring, water quality will be sampled annually throughout SIYB during the summer to determine the average concentration of dissolved copper in the basin and to assess water quality trends over time. The monitoring will use methods consistent with prior studies conducted by the Regional Board within SIYB (Appendix 6 of the TMDL, Regional Board, 2005). To be consistent with studies conducted by the Regional Board, this monitoring program will include sampling at six stations in SIYB and two[5] reference stations (SIYB-REF-1 and SIYB-REF-2) in the main channel of San Diego Bay adjacent to SIYB. These station locations are similar to those sampled by the Regional Board for development of the TMDL and meet the Investigative Order requirement of spatially representing dissolved copper concentrations in SIYB.

Based on an assessment of water quality data collected between 2005 and 2008 in SIYB from the Regional Harbor Monitoring Program (RHMP) Pilot Study (Weston, 2008), the 2008 RHMP (Weston, 2010), and the Neira et al. study (2009), surface water dissolved copper concentrations ranged from 3.4–13.5 μg/L, and the average concentration was 8.28 $\pm$ 1.36 μg/L (mean $\pm$ standard error). This average concentration was determined by using the surface water dissolved copper monitoring data collected from six stations in the immediate vicinity of the sampling stations that comprise the monitoring network.

To supplement the TMDL compliance monitoring, a second water quality monitoring event will be conducted in the winter (i.e., January, February, or March 2023[6]) using the same sampling and analysis methodologies as the compliance monitoring event performed in the summer. This winter water quality monitoring event may provide a better understanding of the seasonal variability of dissolved copper levels in SIYB and at the reference locations during a period of cooler water temperatures and lower frequency of hull cleaning and vessel usage relative to the summer months.

4.1.1 SIYB Sample Locations

From 2011–2019, the annual compliance monitoring program was conducted at six stations within SIYB and one reference station (SIYB-REF-1[7]) in the main channel of San Diego Bay (Table 4-1 and Figure 4-1). Starting in 2020, a supplemental second reference station (SIYB-REF-2), located

[5] To supplement the TMDL compliance monitoring, a second reference station (SIYB-REF-2) was added to the sampling locations starting in 2020 (further described in Section 4.1.1).

[6] Results from the winter water quality monitoring event will be included in the 2023 monitoring report.

[7] Previously identified as “SIYB-REF”

farther from the mouth of SIYB, was added as a sample location. The addition of a second reference station farther away from SIYB may provide a better understanding of the gradient of dissolved copper levels in San Diego Bay moving away from the mouth of SIYB, as well as a better understanding of the background conditions within San Diego Bay outside of SIYB. The eight sampling stations that will be monitored are listed in Table 4-1 and shown in Figure 4-1.

Table 4-1.
SIYB TMDL Sampling Location Coordinates

Station	Target Coordinates	
	Latitude	Longitude
SIYB-1	32.71821	-117.22601
SIYB-2	32.71412	-117.22921
SIYB-3	32.71550	-117.22989
SIYB-4	32.71683	-117.23203
SIYB-5	32.71217	-117.23297
SIYB-6	32.70858	-117.23514
SIYB-REF-1	32.70406	-117.23232
SIYB-REF-2	32.70926	-117.22544

Notes: REF = reference; SIYB= Shelter Island Yacht Basin

4.1.2 Frequency of Sampling

Sampling will be conducted at the eight water quality stations twice per year—once during the summer (i.e., in August or September) to satisfy compliance monitoring requirements and once during the winter (i.e., in January, February, or March) to supplement compliance monitoring. By sampling in the summer for compliance monitoring, dissolved copper concentrations are likely to be at their highest level in the water column because the release rates of copper from antifouling paints is higher at warmer sea surface temperatures and with a greater frequency of hull cleaning. As a consequence, this sampling design will provide the most conservative estimate for dissolved copper concentrations in SIYB. In addition, monitoring during the summer will facilitate integration with the RHMP, which includes sampling of a broader range of chemical and biological parameters once every five years during the summer.

In contrast, dissolved copper concentrations are expected to be lower in the winter due to the cooler sea surface temperatures and the lower frequency of hull cleaning and boat usage. Monitoring in both the summer and winter may provide a better understanding of the seasonal variability of dissolved copper levels in SIYB and at the reference locations.

Sampling to bracket the slack high tide at the same station locations and time of year for compliance monitoring will allow repeated measurements and temporal trend analyses to determine changes in dissolved copper concentrations with time[8]. Revisiting the same spatially representative stations allows for basin-wide assessments of water quality, facilitating better detection of trends. Additionally, correlation analyses can be used to assess relationships between estimated loading reductions from vessel conversions with surface water dissolved copper concentrations to track progress of the TMDL.

[8] Sampling schedule is adjusted annually to ensure that station SIYB-4 is sampled during the slack high tide and to ensure consistency between monitoring years.

4.1.3 Sample Collection

Sample collection will start at the second reference station (SIYB-REF-2) followed by the first reference station (SIYB-REF-1), both located in the main channel of San Diego Bay. After collection at the reference stations, sampling will continue northward to Station SIYB-1 located near the head of basin. Samples will be collected in the following order: SIYB-REF-2, SIYB-REF-1, SIYB-6, SIYB-5, SIYB-4, SIYB-3, SIYB-2, and SIYB-1. Collection of the samples will be timed so that the midpoint of the collection (SIYB-4) will occur as close to the slack high tide as possible. This sample collection approach will be followed for all water quality monitoring events to ensure consistency and repeatability. In addition, a 72-hour dry period (i.e., <0.1-inch of rain and minimal flow) will be required prior to sampling during the winter to minimize the effects of stormwater runoff on the sample results.

Discrete water samples will be collected at each station using the "clean hands" techniques with a Niskin bottle deployed from a sampling vessel. In addition, the field manager will ensure that the sample collection boat is painted with a non-copper or non-zinc-containing hull paint. All stations will be located using the Global Positioning System. Samples will be collected within one meter of the surface. Upon collection, water samples will be transferred to labeled containers for analysis of total and dissolved copper and zinc, total organic carbon (TOC), dissolved organic carbon (DOC), TSS, and toxicity testing[9]. Water samples collected for dissolved metals analyses will be filtered in the field and preserved immediately upon arrival to the analytical laboratory. DOC samples will be filtered in the field into a bottle with hydrochloric acid. Field measurements of temperature, salinity, pH, and DO of the surface water at each station (i.e., within 1 meter of the surface) will be made using a YSI water quality meter according to manufacturer's specifications.

Following the collection and preservation of water samples, a water column profile will be captured at each[10] station using a CTD instrument equipped with a DO sensor, a pH meter, and a laser transmissometer. The water quality characteristics collected by the CTD will be used for informational purposes only. For example, the CTD data can show how water quality parameters, such as water temperature and clarity, vary from top to bottom, at different locations in the basin, and from year to year.

All water samples will be logged on a chain-of-custody (COC) form (Attachment B) and placed in a cooler on ice. Samples will be stored at 4 degrees Celsius (°C) in the dark until delivered to the appropriate laboratory for analysis.

4.1.4 Equipment Decontamination and Cleaning

The Niskin bottle will be cleaned prior to sampling using clean soapy water and thoroughly rinsed with deionized water. Upon deployment, the Niskin bottle will be rinsed with site water prior to sample collection. After collection, water samples will be transferred from the Niskin bottle to laboratory-certified, contaminant-free bottles that are of the appropriate type and contain the appropriate preservative for the required analyses.

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[9] Because the sample from SIYB-REF-2 is only being collected to assess variability in dissolved copper levels at the reference stations, this sample will not be tested for toxicity.

[10] No CTD cast will be performed at station SIYB-REF-2; due to time constraints, only surface water quality readings will be taken.

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Figure 4-1. SIYB TMDL Sampling Locations

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4.1.5 Chemical Analysis

Water samples will be analyzed for total and dissolved copper, total and dissolved zinc, TOC, DOC, and TSS (Table 4-2). Zinc is commonly used as an alternative biocide in antifouling paints; therefore, total and dissolved zinc levels will be measured to assess changes in the ambient zinc levels in SIYB as vessels are converted from copper-based to non-copper-based paints.

Surface water characteristics (salinity, temperature, pH, DO, and visual observations of water clarity) will be collected to compare ambient conditions from year to year. All analytical methods will follow USEPA or Standard Methods (SM) of the American Public Health Association (APHA; 1998). Required analytical methods and target method detection and reporting limits are presented in Table 4-2.

Table 4-2.
Laboratory Analytical Methods and Detection Limits

Water Quality Measurement	Method	Target Method Detection Limit	Target Reporting Limit	Instrument Sensitivity
Total Copper	USEPA 1640	0.0038 µg/L	0.010 µg/L	N/A
Dissolved Copper	USEPA 1640	0.0038 µg/L	0.010 µg/L	N/A
Total Zinc	USEPA 1640	0.036 µg/L	0.20 µg/L	N/A
Dissolved Zinc	USEPA 1640	0.036 µg/L	0.20 µg/L	N/A
TOC	SM 5310B	0.096 mg/L	0.10 mg/L	N/A
DOC	SM 5310B	0.016 mg/L	0.10 mg/L	N/A
TSS	SM 2540D	1.0 mg/L	5.0 mg/L	N/A
Salinity	SBE CTD and YSI ProDSS	N/A	N/A	± 0.1 ppt
Temperature	SBE CTD and YSI ProDSS	N/A	N/A	± 0.1 °C
pH	SBE CTD and YSI ProDSS	N/A	N/A	± 0.1 pH unit
Dissolved Oxygen	SBE CTD and YSI ProDSS	N/A	N/A	± 0.1 mg/L
Light Transmissivity	SBE CTD	N/A	N/A	± 0.1%

Notes:
°C = degrees Celsius; µg/L = microgram(s) per liter; % = percent; ± = plus or minus; CTD = conductivity, temperature, and depth profiler; DOC = dissolved organic carbon; mg/L = milligram(s) per liter; N/A = not applicable; ppt = part(s) per thousand; SBE = SeaBird Electronics; SM = Standard Method; TOC = total organic carbon; TSS = total suspended solids; USEPA = United States Environmental Protection Agency; YSI = YSI Incorporated

4.1.6 Toxicity Testing

Water column toxicity will be assessed at the six SIYB sampling stations and one[11] reference station (SIYB-REF-1). Toxicity testing will consist of a 96-hour acute bioassay test using Pacific topsmelt (*Atherinops affinis*)[12], consistent with the TMDL guidance (Regional Board, 2005). Additionally, a 48-hour chronic bioassay test using a mussel (*Mytilus galloprovincialis*) will also be conducted because previous studies have used the 48-hour mussel chronic test as the primary indicator of toxicity. Both tests will be used to assess the narrative toxicity objective described in

[11] Because the sample from SIYB-REF-2 is only being collected to assess variability in dissolved copper levels at the reference stations, this sample will not be tested for toxicity.

[12] For the 2022 summer monitoring event, the 96-hour acute bioassay will also be performed with the inland silverside (*Menidia beryllina*), which is commonly used as an alternate test species for Pacific topsmelt.

Section 1.4 (Water Quality Objective Criteria) because both species have ecological relevance to the marina environment and have previously been found to be sensitive to dissolved copper.

The 96-hour acute bioassay with topsmelt will be conducted in accordance with procedures described in *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms* (USEPA, 2002). Testing will be initiated within 36 hours of sample collection. Topsmelt will be exposed for 96 hours to three sample concentrations (25, 50, and 100%) and to a control.[13] Each concentration will be tested with six replicates and five topsmelt per replicate. Water quality will be analyzed daily and include measurements of DO, temperature, pH, and salinity. After 96 hours, percent survival will be calculated. The test will be considered acceptable if 90% or more of exposed fish survive in the controls. Test conditions are summarized in Table 4-3.

Table 4-3.
Conditions for the 96-Hour Pacific Topsmelt Bioassay

Test Conditions 96-Hour Acute Marine Fish Survival Bioassay		
Test Species		*Atherinops affinis*
Test Procedures		EPA/821/R-02/012 (USEPA, 2002)
Age at Test Initiation		7–15 days
Test Type and Duration		Acute survival/96-hour static-renewal
Sample Storage Conditions		4°C, dark, minimal head space
Holding Time		36 hours
Control Water Source		Scripps Pier seawater, 20-µm filtered
Recommended Water Quality Parameters	Temperature	21 ± 1°C
	Salinity	34 ± 2 ppt
	Dissolved Oxygen	>4.0 mg/L
	pH	Monitor for pH drift
Photoperiod		16 hours light, 8 hours dark
Test Chamber		400-mL beaker or plastic cup
Concentrations		3 (25, 50, and 100%) and a control[13]
Number of Replicates per Sample		6
Number of Organisms per Replicate		5
Exposure Volume		250 mL
Aeration		None, unless DO falls below 4.0 mg/L
Feeding		once daily with *Artemia* nauplii
Water Renewal		48 hours
Statistical Analysis		Test of Significant Toxicity (TST) - Control and test sample comparisons

Notes:
°C = degrees Celsius; > = greater than; µm = micrometer; % = percent; ± = plus or minus; DO = dissolved oxygen; mg/L = milligram(s) per liter; mL = milliliter(s); ppt = part(s) per thousand; USEPA = United States Environmental Protection Agency

A 96-hour reference toxicant test using copper chloride will be conducted concurrently with the SIYB project samples and using the same batch of test organisms to evaluate the relative

[13] If there is an insufficient number of test organisms available to perform testing on the full dilution series, one or more dilutions may be eliminated to allow for testing of the laboratory control and 100% sample concentration.

sensitivity of test organisms as well as the laboratory's proficiency with the test procedure. The topsmelt reference toxicant test will be conducted with copper concentrations of 0, 25, 50, 100, 200, and 400 µg/L. At test termination, the median lethal concentration (LC_{50}) will be calculated and compared to historical laboratory reference toxicant test data for this species. Test organisms will be considered to be responsive and appropriately sensitive if the test LC_{50} is within two standard deviations of the historical mean from the previous 20 tests.

The 48-hour bivalve larvae test will be performed in accordance with procedures outlined in *Short Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to West Coast Marine and Estuarine Organisms* (USEPA, 1995). Testing will be initiated within 36 hours of sample collection. The test will be run for 48 hours or up to 54 hours if necessary to ensure development of the bivalve larvae to the D-hinge stage in the control. Bivalves will be exposed to five sample concentrations (6.25, 12.5, 25, 50, and 100%), and a control. Each concentration will be run with five replicates and 150–300 larvae will be targeted for inoculation into each replicate. Water quality measurements will include DO, temperature, pH, and salinity at test initiation and termination. The test will be considered acceptable if at least 50% of larvae survived and an average of 90% of surviving larvae developed normally in the controls. A combined endpoint of normal surviving embryos will be reported. Test conditions are summarized in Table 4-4.

Table 4-4.
Conditions for the 48-Hour Chronic Bivalve Embryo Development Bioassay

Test Conditions 48-Hour Bivalve Embryo Development Bioassay		
Test Species		*Mytilus galloprovincialis*
Test Procedures		EPA/600/R-95/136 (USEPA, 1995)
Age at Test Initiation		<4-hour-old embryos
Test Type and Duration		Bivalve Larvae – Static/48 hours
Sample Storage Conditions		4°C, dark, minimal head space
Holding Time		36 hours
Control Water Source		Scripps Pier seawater, 20-µm filtered
Recommended Water Quality Parameters	Temperature	15 ± 1°C
	Salinity	34 ± 2 ppt
	Dissolved Oxygen	> 4.0 mg/L
	pH	Monitor for pH drift
Photoperiod		16 hours light, 8 hours dark
Test Chamber		26-mL glass shell vials
Concentrations		5 (6.25, 12.5, 25, 50, and 100%) and a control
Replicates and Sample		5
Number of Organisms/Replicate		150–300/replicate
Exposure Volume		10 mL
Feeding		None
Water Renewal		None
Statistical Analysis		TST – Control and test sample comparisons

Notes:
°C = degree(s) Celsius; > = greater than; < = less than; µm = micrometer(s); % = percent; ± = plus or minus; mg/L = milligram(s) per liter; mL = milliliter(s); ppt = part(s) per thousand; TST = Test of Significant Toxicity; USEPA = United States Environmental Protection Agency

A 48-hour reference toxicant test using copper chloride will be conducted concurrently with the SIYB project samples and using the same batch of test organisms; this test will evaluate the relative sensitivity of test organisms as well as the laboratory's proficiency with the test procedure. The bivalve reference toxicant test will be conducted with copper concentrations of 0, 2.5, 5.0, 10, 20 and 40 µg/L. At test termination, the median effect concentration (EC_{50}) will be calculated and compared to historical laboratory reference toxicant test data for this species. Test organisms will be considered to be responsive and appropriately sensitive if the test EC_{50} is within two standard deviations of the respective historical laboratory mean. At the termination of the study, survival and shell development will be compared between the control and test concentrations to determine whether significant mortality or reduction in normality exists.

A close look at the test receiving waters for any potentially interfering algal species is recommended prior to initiating tests with *Mytilus* embryos. If algae are prevalent and densities appear to be of concern, filtration of a subsample of water from each site through a 1 to 2-micrometer (µm) mesh filter to remove the algae is highly recommended. This filtered sample is then tested side-by-side to the unfiltered sample for comparison purposes.

4.1.6.1 Toxicity Identification Evaluation

A toxicity identification evaluation (TIE) is a laboratory-based investigation to evaluate the potential cause of toxicity observed in a sample. The end point of a standard toxicity test can only indicate that an effect was observed but not what caused the effect. A complete TIE approach uses a series of sample manipulations in the laboratory, chemical/physical measurements, and associated toxicity tests in a stepwise process to identify the specific cause of toxicity in a sample with observed effects.

A study performed by the Southern California Coastal Water Research Project (SCCWRP) in 2005 examined the extent and magnitude of copper contamination in marinas in the San Diego region, including SIYB (Schiff et al., 2007). As part of the SCCWRP study, a Phase I TIE was conducted on water samples from SIYB to identify the class of chemicals that were likely causing the observed toxicity. The TIE indicated that the toxicity observed in SIYB-collected samples was largely due to trace metals. The study identified copper as the most likely cause of toxicity because increasing dissolved copper concentrations correlated with increasing toxicity and copper concentrations were high enough to account for virtually all of the observed toxicity.

Since the 2005 study by SCCWRP (Schiff et al., 2007), the SIYB Monitoring Program has consistently[14] observed a toxic effect to bivalve larvae at the innermost station in SIYB (Station SIYB-1), but the specific cause of the observed toxicity is unknown. It is unknown whether the effect observed in the recent toxicity testing in SIYB is still due to trace metals, or some other toxicant. To address this unknown, the 2022 SIYB TMDL summer monitoring program will include a concurrent Phase I TIE component to re-evaluate the likely class(es) of contaminants causing toxicity should an effect be observed.[15] Based upon the findings of the Phase I TIE, further

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[14] No chronic toxicity was observed at Station SIYB-1 during the 2021 summer monitoring event.

[15] A Phase I TIE was initiated concurrently with the compliance chronic toxicity tests on water from Station SIYB-1 in 2021. However, there were no toxic effects on bivalve larvae observed at Station SIYB-1 during the 2021 monitoring event. Therefore, the Phase I TIE could not be fully executed. The same concurrent chronic toxicity testing and TIE approach will be performed for the 2022 summer monitoring event.

investigation (i.e., Phase II/III TIE) may be conducted in the future to identify and verify potential toxicant(s) if warranted.

The site-specific TIE approach for the SIYB Monitoring Program is outlined in Attachment C. This approach was developed using guidelines for conducting TIEs published by the USEPA (USEPA 1991, 1996).

4.1.6.2 Alternate Species Testing for 96-hour Acute Bioassay

In previous monitoring years, there have been many challenges with using Pacific topsmelt for toxicity testing including limited test organism supply and availability, as well as poor organism health and sensitivity, due to difficulties culturing these organisms in a laboratory setting. The SIYB TMDL Monitoring Program does not currently include an alternate test species to use if issues are encountered with the primary test species (i.e., Pacific topsmelt). However, the inland silverside (*Menidia beryllina*) is an EPA-approved alternate test species for Pacific topsmelt that is commonly used in environmental compliance testing nationwide.

To evaluate the inland silverside as a potential alternate test species for future toxicity testing in SIYB, the acute toxicity testing for the 2022 summer monitoring event will be conducted using both Pacific topsmelt and inland silverside. Testing with the inland silverside will be conducted concurrently with the Pacific topsmelt tests using the same test procedures (EPA/821/R-02/012). The specific SOP for the 96-hour acute inland silverside survival test is included in Attachment D for reference.

4.1.7 Water Quality Analysis

4.1.7.1 Water Chemistry

The basin-wide dissolved copper results (excluding the reference stations) will be used to calculate an average dissolved copper concentration. This average will be used to determine basin-wide compliance with the CTR dissolved copper chronic target (3.1 µg/L) or a potential site-specific objective. Because the same station locations will be revisited each year, repeated measurements will be used to evaluate reductions in dissolved copper levels with time. As previously mentioned, water quality results from the winter monitoring event will be presented in the 2023 monitoring report to supplement the compliance monitoring conducted during the summer.

4.1.7.2 Toxicity

Toxicity will be statistically assessed using the software program Comprehensive Environmental Toxicity Information System™ from Tidepool Scientific Software. With this software, survival of fish and normal development of surviving mussel embryos in each test dilution from SIYB are compared to organism performance observed in control exposures to filtered clean seawater collected from the end of the pier at Scripps Institution of Oceanography in La Jolla, California. Results are used to determine LC_{50} and EC_{50} values. If fish survival and normal bivalve embryo development in the controls do not differ significantly from that of the treatments, then conditions are considered to be non-toxic at the station. The USEPA Test of Significant Toxicity (TST)[16] (USEPA, 2010) approach will be used to determine statistically significant effects for this study.

4.2 Field and Analytical QA/QC Procedures

Strict QA/QC procedures will be employed throughout the entire study, from mobilization through delivery of samples to the laboratories. Extra care will be taken to minimize the possibility of compromising sample integrity. The sample collection team will be trained in, and follow, field sampling standard operating procedures (SOPs), as described in the SIYB QAPP (Wood Environment & Infrastructure Solutions, Inc. [Wood], 2022). As part of the field collection procedures identified in the 2012 and 2013 QAPP updates, a QA/QC reviewer from both the Port and the field contractor will be present onboard the sampling vessel at all times to review each step of the sample and data collection process. Additionally, Port-approved field and QA/QC checklists will be used throughout the sampling event to ensure that all procedures are consistent at each location; samples are collected in the same manner at every station; and all required field data are recorded correctly and completely.

Field staff members will take care to avoid contamination of samples at all times by employing the “clean hands” technique and will wear powder-free nitrile gloves during sample collection. In addition, the field manager will ensure that the sample collection boat is painted with a non-copper or non-zinc containing hull paint. All samples will be collected in laboratory-supplied, laboratory-certified, contaminant-free sample bottles containing the correct preservative (if applicable). The sampling team will be provided the updated QAPP and field sampling SOPs to ensure all sampling personnel are trained accordingly. Additionally, the field staff will be made aware of the significance of the project’s detection limits and the requirement to avoid contamination of samples at all times. Field measurement equipment will be checked and calibrated for operation in accordance with the manufacturer’s specifications (calibration records will be recorded and maintained) and will be inspected for damage prior to use and when returned from use. Observations of activities surrounding the sampling area will be recorded on field data sheets at each station and during movement between stations (e.g., vessel hull cleaning).

As required by SWAMP protocols, the monitoring program will include the addition of a field replicate. The field replicate sample will consist of a second complete set of samples collected at one of the monitoring locations and will be analyzed for chemical constituents only (no toxicity analyses will be conducted on the field replicate sample). The purpose of the field replicate is to assess variability in sampling procedures as well as ambient conditions. In addition to the field replicate, each batch of samples that is submitted to the laboratories for analyses will be accompanied by an equipment rinse blank and field blank, as specified under SWAMP.

Chemistry and toxicity samples will be uniquely identified with sample labels in indelible ink. All sample containers will be identified with the project title, appropriate identification number, date and time of sample collection, and preservation method. Sample labels are inspected by Port and field contractor QA reviewers before and after bottles are filled at each station to ensure that every sample and analysis type are labeled correctly before moving to the next station; this information

[16] A recommendation was made by the Port to the Regional Board in the 2012 monitoring report to begin using this new statistical method in place of previous statistical tests. The Regional Board agreed with this recommendation in its July 26, 2013 letter regarding SIYB TMDL progress. The TST method was used to identify any samples that exhibited a statistically significant difference from the control.

will be recorded on the field QA checklist. All samples will be kept on ice from the time of sample collection until delivery to the analytical laboratory for analysis within method-specified holding times (Table 4-5). Samples will be delivered by courier to the analytical laboratories within 24 hours of sampling event completion. All analyses will be conducted by laboratories that are accredited by the National Environmental Laboratory Accreditation Program (NELAP) and/or California Environmental Laboratory Accreditation Program (ELAP) for the specific tests that are required to be performed at the time they are conducted.

Table 4-5.
Sample Holding Times

Analyte	Holding Time
TOC	28 days
DOC	28 days[a]
Total Copper	180 days[b]
Dissolved Copper	48 hours[c]
Total Zinc	180 days[b]
Dissolved Zinc	48 hours[c]
Total Suspended Solids	7 days
48-hour Chronic Bioassay	36 hours
96-hour Acute Bioassay	36 hours

Notes:
a. The holding time is applicable to preserved sample. The sample will be filtered in the field into a bottle with HCl preservative for DOC analysis.
b. The holding time for total metals after preservation is 180 days. The total fraction samples will be preserved at the laboratory immediately upon receipt from the courier, the next day after sample collection.
c. The holding time for metals after preservation is 180 days. The dissolved fraction will be filtered in the field through a 0.45-µm glass fiber filter using a bottle top vacuum filtration system. Samples will be preserved at the laboratory immediately upon receipt from the courier, the next day after sample collection.
µm = micrometer(s); DOC = dissolved organic carbon; HCl = hydrochloric acid; TOC = total organic carbon

The annual TMDL monitoring program will include the following QA/QC elements:

- ✓ QAPP and SOP updates
- ✓ Verification of laboratory certifications
- ✓ Field mobilization and equipment checklists
- ✓ Field sampling QA/QC checklists
- ✓ Field equipment calibrations records
- ✓ Observations of water clarity
- ✓ Staff training on QAPP-required field procedures
- ✓ Field conditions and water quality data sheets
- ✓ On-board QA/QC oversight
- ✓ Observations for hull cleaning or other water-quality-impacting activities near sample collection locations

The analytical laboratory will (a) be certified to conduct the analyses for the constituents of concern for the SIYB TMDL study, (b) be certified for the specific analysis methods required for this program, and (c) hold a valid ELAP certificate at the time the monitoring program is initiated and the samples are analyzed. The QA objectives for chemical analysis to be followed by the participating analytical laboratories are detailed in their laboratory QA manuals and the QAPP. The objectives for accuracy and precision involve all aspects of the testing process, including the following:

- Methods and SOPs
- Calibration methods and frequency
- Data analysis, validation, and reporting
- Internal QC
- Preventive maintenance
- Procedures to ensure data accuracy and completeness

Results of all laboratory QC analyses will be reported with the final data. Any QC samples that fail to meet the specified QC criteria in the methodology or QAPP will be identified, and the corresponding data will be appropriately qualified in the final report. The final report will include a separate section that discusses any QA/QC issues encountered during the monitoring event, as well as the corrective actions taken to satisfactorily address any issues.

All QA/QC records of the various testing programs will be kept on file for review by regulatory agency personnel.

4.3 Chain-of-Custody Procedures

Proper COC procedures will be used throughout the sample collection, transport, and analytical process. The principal documents used to identify samples and to document possession are COC records, field logbooks, checklists, and field tracking forms. The COC process is initiated during sample collection. A COC record will be provided with each sample or group of samples. Each employee who has custody of the samples will sign the form and ensure that the samples are not left unattended and are properly secured. COC forms are provided in Attachment B.

Documentation of sample handling and custody include the following:

- Client and project name
- Sample identifier
- Sample collection date and time
- Any special notations on sample characteristics or analysis
- Initials of the person collecting the sample
- Date the sample was sent to the analytical laboratory
- Shipping company and waybill information (if applicable)

Completed COC forms will be placed into a plastic envelope and kept inside the cooler containing the samples. Samples will be delivered by courier to the analytical laboratories within 24 hours of sample collection completion. This level of effort will ensure that all holding times are met. Upon delivery to the analytical laboratory, the COC form will be signed by the person receiving the samples. Copies of the COC records will be included in the final reports prepared by the analytical laboratories.

4.4 Health and Safety

Because sampling will be conducted from a boat, dangerous situations can arise. Field personnel need to be aware of safety hazards and take appropriate precautions. A health and safety tailgate meeting will be held prior to any on-site activity. During this meeting, site-specific hazards will be discussed and addressed appropriately.

4.4.1 Use of Boats and Working over Water

Work will be conducted from a boat over and around SIYB; therefore, special considerations are required. All watercraft will be operated according to the applicable navigational rules and regulations. The boat will be operated by a certified captain with United States Coast Guard small vessel training. Personnel working on the boat will be trained according to internal SOPs. The hazards associated with the operation and use of boats include drowning and injuries from falling. An approved personal flotation device must be available for each person onboard. Wet conditions increase the chances of slipping; therefore, engineering controls such as guardrails will be used.

The compliance monitoring event will be conducted in the summer, which increases the risk of heat stress. To reduce this risk, plenty of water will be made available to field staff and wearing short pants will be acceptable. Field staff may be exposed to cooler temperatures during the winter monitoring event. To reduce the risk of cold stress, field staff will wear layers of clothing appropriate for potentially cold, wet, and windy conditions. A weather forecast will be reviewed prior to field sampling. High winds may pose potentially hazardous conditions within the harbor.

A float plan will be prepared for each monitoring event and submitted to the safety officer or project manager. At a minimum, it will include the destination, expected time of return, personnel on board, and description of the vessel. The float plan will be used if the field crew does not return or notify the shore contact at a specified time and a rescue is needed.

4.4.2 COVID-19 Safety Precautions

Wood staff will adhere to local, state, and federal guidelines, as well as corporate policy, to prevent the spread of Coronavirus Disease 2019 (COVID-19) during all monitoring efforts. Given the ever-evolving nature of the COVID-19 pandemic, the site-specific Health and Safety Plan will be updated with the most up-to-date information regarding COVID-19 prevention strategies prior to each sampling event.

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5.0 DATA REVIEW AND MANAGEMENT

Field and laboratory data will be reviewed for completeness and accuracy prior to analysis and reporting and will be stored in a database, as described in the following sections.

5.1 Data Review

After each survey, field data sheets and checklists will be checked for completeness and accuracy by the field crew and the QA reviewer(s). In addition, all sample COCs will be checked against sample labels at the end of the day prior to samples being transported to the laboratories. In the laboratory, technicians will document sample receipt and sample preparation activities in laboratory logbooks or on bench sheets.

Data validation will include dated and signed entries by technicians on the data sheets and logbooks used for samples, the use of sample tracking and numbering systems to track the progress of samples through the laboratory, and the use of QC criteria to reject or accept specific data. Data for laboratory analyses will be entered directly onto data sheets. Data sheets will be filled out in ink and signed by the technician, who is responsible for checking the sheet to ensure completeness and accuracy. The technician who generated the data will have the primary responsibility for the accuracy and completeness of the data.

Each technician will review the data to ensure the following:

- Sample description information is correct and complete
- Analysis information is correct and complete
- Results are correct and complete
- Documentation is complete

All data will be reviewed and verified by participating team laboratories to determine whether data quality objectives have been met and that appropriate corrective actions have been taken, when necessary, as detailed in the QAPP.

5.2 Data Management

The chemistry and toxicity laboratories will supply analytical results in Portable Document Format (PDF). Laboratories will have the responsibility of ensuring that data is accurate. After completion of the data review by participating team laboratories, data will be maintained in the project files and imported into a database system. Additional details regarding data management are provided in the project-specific QAPP.

5.3 Laboratory Quality Assurance and Quality Control

Analytical laboratories will provide a QA/QC narrative that describes the results of the standard QA/QC protocols that accompany analysis of field samples. All electronic copies of results will be maintained in the project files. In addition, back-up copies of results generated by each laboratory will be maintained at their respective facilities. At a minimum, the laboratory reports will contain results of the laboratory analysis, QA/QC results, all protocols and any deviations from the project Monitoring Plan, and a case narrative of COC details.

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6.0 REPORTING

Reporting under the SIYB TMDL will include annual monitoring and progress reports to be submitted to the Regional Board by the Port no later than March 31 of each year. The purpose of the report is to document the methods and results of annual vessel tracking surveys and water quality monitoring. Reports will detail the number of vessels converted to non-copper or lower copper paints within SIYB to calculate loading reductions. Additionally, annual progress reports will describe water quality conditions, specifically focused on the concentrations of dissolved copper within the basin and observed toxicity levels.

At a minimum, the following information will be included in annual monitoring and progress reports.

SIYB TMDL Implementation: An evaluation, interpretation, and tabulation of data and information on SIYB Dissolved Copper TMDL activities undertaken by the Named Parties.

1. *Vessel Conversions.* Assess vessel conversions from copper-based antifouling paints to non-copper and lower copper hull paints, including:
   a. Total number of slips or buoys in SIYB available to be occupied by vessels
   b. Number of unoccupied slips or buoys and length of time unoccupied during each year
   c. Number of vessels confirmed with copper-based hull paint and approximate length of time occupying a slip or buoy in SIYB during each year
   d. Number of vessels confirmed with lower copper hull paint and approximate length of time occupying a slip or buoy in SIYB during each year
   e. Number of vessels confirmed with alternative hull paints, by alternative hull paint type, and approximate length of time occupying a slip or buoy in SIYB during each year
   f. Number of vessels with aged-copper paint and approximate length of time occupying a slip or buoy in SIYB during each year
   g. Number of vessels with unconfirmed information about hull paint and approximate length of time occupying a slip or buoy in SIYB during each year
   h. An estimate of the dissolved copper load reduction achieved, in terms of kilograms and percent, for the year
   i. Any other data or information relevant to annual tracking of vessels in SIYB occupying slips or buoys and conversions from copper-based hull paints to alternative (non-copper or lower copper) hull paints.

SIYB BMP Implementation. Describe BMPs or other actions that have been implemented by the Named Parties to reduce dissolved copper discharges from boat hulls into SIYB. BMPs and other actions implemented and required to be implemented by in-water hull cleaners are also described in the BMP section of the annual monitoring and progress report. In addition, any updates of the copper reduction BMP strategies outlined in the TMDL Implementation Plan will be included in an appendix to the annual monitoring and progress report.

San Diego Baywide BMP Implementation. Describe BMPs or other actions that can be, will be, or have been implemented by the Port to reduce dissolved copper discharges from boat hulls into harbors or marinas, other than SIYB, within San Diego Bay.

SIYB TMDL Monitoring. An evaluation, interpretation, and tabulation of water quality sampling and analysis data, including:

1. *Sampling Locations and Numbers*. The locations, type, and number of samples must be identified and shown on a site map.
2. *Sample Analyses*. The sample collection and laboratory analytical methods, QA/QC results, time and date of sample collection, and other pertinent information must be described.
3. *QA/QC Summary.* Discusses the adherence to project-specific QAPP requirements, QA/QC issues that needed to be addressed, and any necessary corrective actions.
4. *Water Quality Trends.* Interpretations and conclusions, as to whether the "trajectory" of the measured water quality values points toward attainment of the dissolved copper water quality objectives, must be provided.

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ATTACHMENT A

VESSEL TRACKING DATABASE TEMPLATE

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Attachment A
SIYB Dissolved Copper TMDL
Vessel Tracking Template Form

Facility (Marina or Yacht Club)	Slip/Mooring Reference Number	Percent of Time Occupied	Vessel Type (Power or Sail)	Vessel Length	Vessel Beam	Paint Type (Copper, Low, or Non, No Paint)	Paint Product Name	Product Number	Boatyard Name or Purchase Date	Painting Date Month (mm)	Painting Date Year (yyyy)	% Copper	USEPA Registration Number

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ATTACHMENT B

CHAIN-OF-CUSTODY FORMS

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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

CLIENT NAME: Wood E & I Solutions, Inc.

PROJECT: SIYB Dissolved Copper TMDL Monitoring

ADDRESS:
9177 Sky Park Court
San Diego, CA 92123

PHONE:
FAX:
EMAIL:

PROJECT MANAGER

SAMPLER

ANALYSES REQUESTED

ID# (For lab Use Only)	DATE SAMPLED	TIME SAMPLED	SMPL TYPE	SAMPLE IDENTIFICATION/SITE LOCATION	# OF CONT.	**Total Copper**[1] Method EPA 1640 MDL 0.0038 µg/L, RL= 0.01 µg/L	**Dissolved Copper**[1,2] Method EPA 1640 MDL 0.0038 µg/L, RL= 0.01 µg/L	**Total Zinc**[1] Method EPA 1640 MDL 0.036 µg/L, RL= 0.20 µg/L	**Dissolved Zinc**[1,2] Method EPA 1640 MDL 0.036 µg/L, RL= 0.20 µg/L	**Total Organic Carbon (TOC)** Method USEPA 5310B MDL = 0.016 mg/L, RL = 0.10 mg/L	**Dissolved Organic Carbon (DOC)**[3] Method USEPA 5310B MDL = 0.016 mg/L, RL = 0.10 mg/L	**Total Suspended Solids** Method USEPA 2540 D, MDL = 1 mg/L, RL = 5 mg/L				COMMENTS

SPECIAL HANDLING

- ☐ Same Day Rush 150%
- ☐ 24 Hour Rush 100%
- ☐ 48-72 Hour Rush 75%
- ☐ 4 - 5 Day Rush 30%
- ☐ Rush Extractions 50%
- ☑ 10 Business Days
- ☐ QA/QC Data Package

Charges will apply for weekends/holidays

Method of Shipment:

RELINQUISHED BY	DATE / TIME	RECEIVED BY
RELINQUISHED BY	DATE / TIME	RECEIVED BY
RELINQUISHED BY	DATE / TIME	RECEIVED BY

SAMPLE CONDITION:

Actual Temperature:

Received On Ice	Y / N
Preserved	Y / N
Evidence Seals Present	Y / N
Container Intact	Y / N
Preserved at Lab	Y / N

SAMPLE TYPE CODE:
AQ=Aqueous
NA= Non Aqueous
SL = Sludge
DW = Drinking Water
WW = Waste Water
RW = Rain Water
GW = Ground Water
SO = Soil
SW = Solid Waste
OL = Oil
OT = Other Matrix

SPECIAL REQUIREMENTS / BILLING INFORMATION

1) <u>LAB ACTION</u>: PRESERVE Cu/Zn IMMEDIATELY. HDPE Metals bottles have NO acid in bottle; 2) Diss. metals were field filtered using 0.45 um bottletop filt. system;
3) DOC samples were field filtered through 0.45 um Nylon filters; 4) FB = Field Blank; 5) ER = Equipment Rinsate (Equipment Blank);
6) Organic carbon will be measured by Weck using High Temperature Combustion Method (SM 5310 B); 7) Preserve extra of each sample for total and dissolved metals to archive;
8) SPIKE level at the following amounts: Copper = 10 ug/L, Zinc = 30 ug/L, TOC/DOC = 2.0 mg/L; 9) WECK will contact Wood PM within 24 hours if any sample anomalies are found;
10) Select pages from Wood QAPP included for reference.

Wood Aquatic Toxicology Lab
4905 Morena Blvd, Ste. 1304
San Diego, CA 92117
Phone: (858) 299-5368

Chain of Custody Form

Client/Send Report To:

Company: Wood E & I Solutions, Inc.
Address: 9177 Sky Park Court
San Diego, CA 92123
Contact/PM: ______
Phone Number: ______
Email Address: ______

Project Information (if needed):

Project Name: SIYB Dissolved Copper TMDL Monitoring
Project No. ______
PO Number ______

Personal Cooler Shipped:
Return Requested: YES____ NO____.

Analysis Requested (write out or use codes below)

Sample ID	Collection Date	Collection Time	Sample Volume	Sample Type: Grab/Comp.	Sample Number (for lab use)	Aa-a	Mg-dv						Receipt Temp (°C)

Samples Collected By:

Additional Comments:
Concurrent reference toxicant test for both species.

Samples Shipped via:
Condition Upon Receipt:

Relinquished/Shipped By:	Received By:	Relinquished By:	Received By:
Signature:	Signature:	Signature:	Signature:
Print Name:	Print Name:	Print Name:	Print Name:
Date/Time:	Date/Time:	Date/Time:	Date/Time:

Test Codes (marine):

Mp-c: Chronic Kelp
Hr-dv: Chronic Abalone
Aa-a: Acute Topsmelt
Aa-c: Chronic Topsmelt
Mb-a: Acute Menidia/Silverside
Mb-c: Chronic Menidia/Silverside
Ab-a: Acute Mysid Shrimp
Ab-c: Chronic Mysid Shrimp
Sp-c: Chronic Urchin Fertilization
Sp-dv: Chronic Urchin Development
Mg-dv: Chronic Mussel Development
Other: Write out the test organism

Test Codes (freshwater):

Cd-a: Acute Ceriodaphnia
Cd-c: Chronic Ceriodaphnia
Pp-a: Acute Fathead Minnow
Pp-c: Chronic Fathead Minno
Sc-c: Chronic Green Algae
Ha-a: Acute Hyalella amphipod
Ha-c: Chronic Hyalella amphipod
T-22: CA Title 22 Hazardous Waste

ATTACHMENT C

TOXICITY IDENTIFICATION EVALUATION APPROACH

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Shelter Island Yacht Basin Copper TMDL Monitoring
Toxicity Identification Evaluation (TIE) Methods Summary
2022 Summer Monitoring Event

This memo provides a brief summary of a proposed approach to conduct a Phase I Toxicity Identification Evaluation (TIE) for ambient waters that have been found to cause toxicity to mussel embryos at the inner portion of the Shelter Island Yacht Basin (SIYB) in northern San Diego Bay. These observations have been documented during routine monitoring in support of the SIYB Dissolved Copper Total Maximum Daily Load (TMDL).

A TIE is a laboratory-based investigation in which the cause of toxicity is determined through a series of sample manipulations and associated toxicity tests. The initial step of a TIE (Phase I) comprises of a number of physical/ chemical manipulations of a sample to isolate or change the potency of different groups of toxicants. The manner in which the toxicity changes in response to each of the treatments provides an indication of the type of constituent responsible for toxicity. Once the general characteristics of the toxicant have been elucidated during Phase I (e.g., pH-sensitive, divalent cationic metal, non-polar organic chemical, etc.), the toxicant is further isolated and tentatively identified through the process of additional selective sample manipulations and chemical analyses (Phase II), and the identity then verified through a rigorous confirmation process (Phase III). The nature of a TIE, therefore, is progressive and later phases are based upon information developed during early stages. Guidelines for conducting TIEs have been published by the USEPA (1991, 1993a, 1993b, 1996, 2007). However, it should be noted that, while these guidelines provide a comprehensive framework and overall process for identifying unknown toxicants, recent innovations and alternative processes for achieving the same objectives also exist. These procedures may also be customized based on site-specific considerations and goals as described herein for SIYB.

A study performed by the Southern California Coastal Water Research Project (SCCWRP) in 2005 examined the extent and magnitude of copper contamination in marinas in the San Diego region, including SIYB (Schiff et al., 2007). As part of the SCCWRP study, a Phase I TIE was conducted on water samples from SIYB to identify the class of chemicals that were likely causing the observed toxicity. The TIE indicated that the toxicity observed in SIYB-collected samples was largely due to trace metals. The study identified copper as the most likely cause of toxicity because increasing dissolved copper concentrations correlated with increasing toxicity and copper concentrations were high enough to account for virtually all of the observed toxicity.

Since the 2005 study by SCCWRP (Schiff et al., 2007), the SIYB Monitoring Program has consistently[1] observed a toxic effect to bivalve larvae at the innermost station in SIYB (Station SIYB-1), but the specific cause of the observed toxicity is unknown. It is unknown whether the effect observed in the recent toxicity testing in SIYB is still due to trace metals, or some other toxicant(s). To address this unknown, the 2022 SIYB TMDL summer monitoring program will include a concurrent Phase I TIE component to re-evaluate the likely class(es) of contaminants

[1] No chronic toxicity was observed at Station SIYB-1 during the 2021 summer monitoring event.

causing toxicity should an effect be observed.[2] Based upon the findings of the Phase I TIE, further investigation (i.e., Phase II/III TIE) may be conducted in the future to identify and verify potential toxicant(s) if warranted.

Phase I TIE Approach – Toxicant Characterization

The proposed Phase I treatments follow standard EPA protocols and cover broad classes of potential inorganic and organic compounds to capture effects related not only to copper but other possible unmonitored toxicants as well. Phase I TIE methods involve the systematic examination and elimination of specific classes of contaminants responsible for toxicity. This procedure narrows the list of potential causes of toxicity in a complex sample by identifying specific chemical and physical characteristics of contaminants responsible for toxicity. Results provide an indication of the class to which problematic constituents belong. The proposed treatments for SIYB and classes of compounds they address are summarized in **Table 1.**

Table 1. Phase I Toxicant Characterization

Phase I Procedure	Primary Compounds Addressed/ Purpose
Baseline (unmanipulated sample)	None. Used for treatment effectiveness comparison
Filtration (0.45 μm) or Centrifugation	Pollutants associated with particles, and algae and/or microorganism effects
Aeration	Volatile or oxidizable compounds; surfactants
C8 or C18 Column Solid-Phase Extraction	Non-polar organics and metal chelates. *These columns can remove some metals, so this step helps verify metals vs organics.
C8 or C18 Column Solvent Elution	Recovers toxicity due to non-polar organics
Cation Exchange Column	Removes cationic compounds including various trace metals
Oxidant Reduction (STS Addition) – 10 and 25 mg/L	Constituents reduced by sodium thiosulfate; also chelates some cationic trace metals
Metal Chelation (EDTA Addition) – 10 and 25 mg/L	Divalent cationic metals

Based on the history of consistent toxic effects in SIYB at inner harbor location (SIYB-1), we propose initiating the Phase I TIE concurrent to the routine compliance-based tests. Enough sample will be collected at SIYB-1 to conduct both the compliance testing and all proposed Phase I TIE treatments. TIEs are most successful when there is a strong enough toxic response

[2] A Phase I TIE was initiated concurrently with the compliance chronic toxicity tests on water from Station SIYB-1 in 2021. However, there were no toxic effects on bivalve larvae observed at Station SIYB-1 during the 2021 monitoring event. Therefore, the Phase I TIE could not be fully executed. The same concurrent chronic toxicity testing and TIE approach will be performed for the 2022 summer monitoring event.

with which to tease out treatment effectiveness. Our recommendation is a minimum 25% effect relative to the control for a TIE.

A summary of the overall proposed Phase I TIE approach for SIYB is provided in Figure 1.

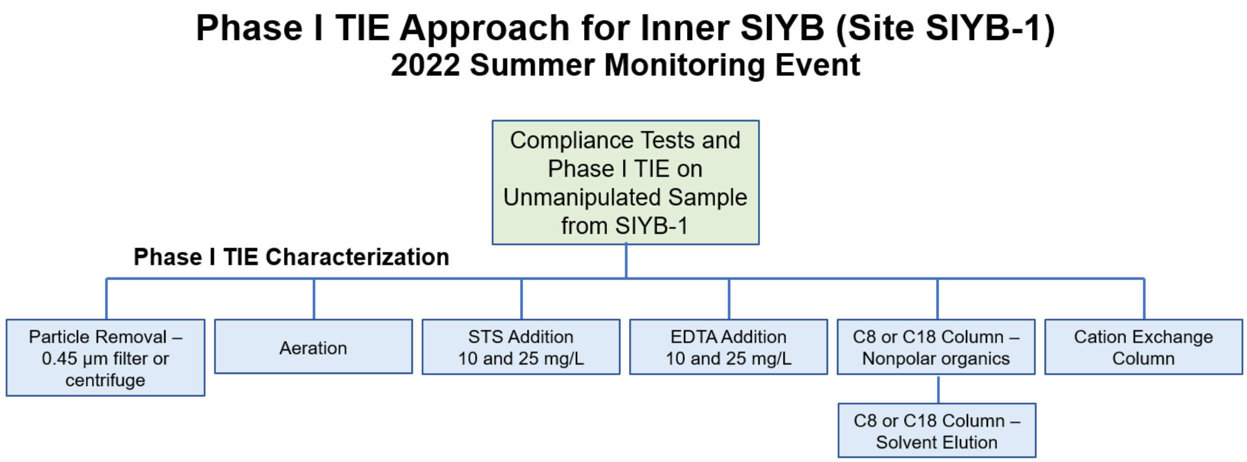

Figure 1. Summary of the Phase I TIE Approach for Site SIYB-1 – 2022 Summer Monitoring Event

References

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US EPA. 1993a. Methods for Aquatic Toxicity Identification Evaluations - Phase II Toxicity Identification Procedures for Samples Exhibiting Acute and Chronic Toxicity. (EPA/600/R-92/080).

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ATTACHMENT D

STANDARD OPERATING PROCEDURE FOR THE 96-HOUR ACUTE INLAND SILVERSIDE SURVIVAL TEST

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Standard Operating Procedure
96-hr Acute Inland Silverside Survival Test

1.0 Introduction

1.1 The 96-hr acute Inland Silverside survival test is conducted in accordance with EPA 821/R-02/012, "*Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms*".

1.2 The Inland Silverside *Menidia beryllina* (9 to 14 days old post-hatch) is exposed to a static-renewal system for a 96-hour test period.

1.3 The test endpoint is mean percent survival in the effluent sample as compared to the control.

2.0 Test Organisms

2.1 The marine fish are purchased from Aquatic Biosystems in Fort Collins, CO (or other commercial supplier) to initiate tests at a post-hatch age of 9 to 14 days old. For ideal conditions, fish should be ordered in advance to allow at least one or two days to acclimate in-house prior to test start.

2.2 Fish are received by overnight delivery service and acclimated to testing temperature and salinity conditions. Temperatures should not be adjusted at a rate >3°C per 12-hour period and salinity levels should not be adjusted at a rate >5 parts per thousand (ppt) during a 24-hour period.

2.3 Upon receipt of the fish, the temperature, pH, dissolved oxygen, and salinity of the shipping water is measured and recorded in the Animal Receipt Log. The condition of the fish and any mortalities are also recorded. If the fish are held longer than a day, the Animal Acclimation Log should also be filled in with daily water quality measurements and observed mortalities.

2.4 Fish are fed newly hatched (<24-hour old) *Artemia* nauplii throughout the acclimation period and throughout the test (see below).

3.0 Test Initiation

3.1 Tests are conducted in a temperature-controlled chamber set at 25 ± 1°C with a 16-hr light: 8-hr dark photoperiod.

3.2 Tests are conducted in 16-ounce disposable plastic cups filled with a 250-mL of test volume.

3.3 The test cups are labeled with a sample ID, concentration, and replicate number. Each test batch of cups are placed together on a shelve in the environmental chamber, thereby maintaining similar lighting and temperature conditions. The daily final water quality measurements will be measured in the "A" replicate of each test concentration.

3.4 Test dilutions will be dictated based on Permit-specific requirements.[1] Standard dilution water and control water will consist of natural filtered (minimum of 20µm) seawater from Scripps Institution of Oceanography (SIO). Serial dilution series and individual test concentrations are made using graduated cylinders, volumetric or automatic pipets and volumetric flasks. If samples require salting, dilution water and a secondary "method" control will comprise of laboratory salted water (Crystal Sea® marinemix and DI water).

3.5 A reference toxicant test is conducted monthly or simultaneously with each bioassay depending on Permit-specific requirements.[2] Reference toxicant samples are made using reagent grade copper. A certified copper stock solution (1,000 mg/L as copper) is purchased from Environmental Resource Associates. This is diluted with DI water in a volumetric flask to a lab working stock of 100,000 µg/L to be used in preparing test dilutions. Add 8 mL of the copper stock to 2,000 mL of control water to prepare the 400 µg/L copper concentration. Mix well and pour off 1,000 mL into a beaker. The remaining 1,000 mL will continue to be diluted with control water to prepare the remaining serial dilution series of 200, 100, 50, and 25 ug/L copper concentrations. The final Lab Control concentration will have no copper added and will be used for comparison when the final data is analyzed.

Reference Toxicant Dilution Preparation

Treatment	Cu Stock (mL)	Final Volume (mL)
Lab Control	0.0	1,000
25 µg/L	0.25	1,000
50 µg/L	0.5	1,000
100 µg/L	1.0	1,000
200 µg/L	2.0	1,000
400 µg/L	4.0	1,000

3.6 Once test solutions have been prepared, they will be placed in a warm water bath to adjust the temperature to approximately 25°C. The initial pH, temperature, dissolved oxygen, and salinity are then measured and recorded on the datasheet prior to introduction of the fish.

3.7 Obtain the holding bowl of fish that have been acclimating and siphon the water down to a reasonable level, which will allow easy removal of the organisms with a

[1] For the Shelter Island Yacht Basin (SIYB) Dissolved Copper Total Maximum Daily Load (TMDL) Monitoring Program, tests will be conducted with 0% (i.e., laboratory control), 25%, 50%, and 100% sample concentrations.
[2] For the SIYB TMDL Monitoring Program, a reference toxicant test using copper chloride will be conducted concurrently with the project samples.

5-mL wide-bore disposable transfer pipet with the tip cut off. Randomly select five fish from the holding bowl and place in a 1-ounce plastic transfer cup with a small volume of control water added. Continue counting out cups of 5 fish each until you have enough to add one cup to each replicate within a test batch. Fish should not be held in these cups for no more than approximately 15 minutes. A second technician (other than the person counting out the organisms) should then observe and do a QC check of each cup. Each cup should be observed to ensure there are 5 healthy fish. Any signs of stress, damage, or mortality and the organism should be removed and replaced.

3.8 Once there are enough transfer cups populated with 5 healthy fish to initiate a single test, gently pour them out of the cup and into the replicate to be initiated. Observe the cup after each initiation to ensure all 5 fish have been removed. Continue this process until all replicates have been initiated.

4.0 Renewal and Observations during the Test

4.1 After test initiation, any remaining effluent sample should be held in a container with no head space and stored between 0 – 6 °C for the 48-hour renewal. Effluent samples need to be first used within 36 hours of collection. The sample holding time starts when the sampling is completed (at the end of the composite). Receiving water samples can be held in cold storage for up to two weeks.

4.2 Newly hatched *Artemia* nauplii are fed to each replicate once daily in the morning. See the procedural SOP for hatching *Artemia* and feeding organisms. To produce a feeding stock, use a disposable transfer pipet to collect 1-mL of concentrated *Artemia* and add this to 100-mL of seawater. Continue to stir this cup to maintain an even mix and add 1-mL of this stock to each replicate. Observe the cups to prevent overfeeding, as this can result in lowered dissolved oxygen levels. Therefore, any replicate that has more than 50% mortality should be marked with label tape and fed half (0.5-mL stock).

4.3 At the 48-hour point of the test period, test container volumes should be renewed by 80% with fresh sample water. Remove the remaining sample from cold storage and warm it up to a temperature of 25 ±1°C. Before the renewal process takes place, water quality parameters should be measured in both the “final” test chambers, as well as the “initial” renewal solutions.

4.4 To perform the renewal, place the replicates in order by concentration on to a utility cart. Then, perform the renewal from low (control) to high concentrations taking care to avoid transferring contaminants from one solution to another. Conduct the renewal one concentration at a time. Place all four replicates of the concentration on to a light board and perform the renewal.

4.5 Use siphon tubing with a mesh-screen tip to siphon out 80% from each replicate into a plastic beaker or waste bucket. Care should be taken so that fish are not accidentally removed or injured during the renewal process. Try to remove any debris, dead *Artemia*, or test organisms at the bottom of the cups. Record the number of surviving test organisms on the datasheet. Also, record any unusual observations or test procedure deviations made during the test period.

4.6 Fresh test solutions should then be gently poured (tilt the cup and pour along the walls) into each test container until each replicate is refilled to 250 mL. Care should be taken to minimize any disturbance or injury to the fish.

5.0 Water Quality

5.1 At test initiation and then daily, the temperature, salinity, pH, and dissolved oxygen are measured in the "A" replicate of each test concentration, as well as in the control. The same water quality parameters are measured before and after the 48-hour renewal. Survival counts should be recorded daily.

5.2 For salinity, all reference toxicant tests should be conducted at a salinity of 30 ppt for consistency and tracking historical control chart performance. For effluent samples, the control and dilution water should match the salinity of the effluent sample. The fish should also be acclimated to the testing salinity prior to the start of testing.

5.3 Aeration is used only if the dissolved oxygen level drops below 4.0 mg/L in any of the treatments. If aeration is required, all test containers must be treated in the same manner by aerating at a rate of 100 bubbles/min.

6.0 Test Termination

6.1 The test is terminated after 96-hours of exposure (±2 hours from start time). At termination, the number of surviving fish in each test container is recorded, as well as final water quality measurements.

7.0 Analysis and Criteria for Acceptance

7.1 Comprehensive Environmental Toxicity Information System (CETIS) software (Tidepool Software, McKinleyville, CA) is used for all statistical analyses. The data are analyzed in accordance with the EPA protocol's flowcharts for statistical analysis, hypothesis testing, and point estimates for the survival endpoint.

7.2 The criterion for test acceptability is mean control survival of 90% or greater.

Table 1. Summary of test conditions and test acceptability criteria for the 96-hour acute survival test with the Inland Silverside, *Menidia beryllina*, for 2022 SIYB TMDL Monitoring Program

1. Test type:	Static-renewal
2. Test duration:	96-hours (± 2hr)
3. Temperature:	25°C ± 1°C
4. Light quality:	Ambient laboratory illumination
5. Light intensity:	Ambient laboratory levels
6. Photoperiod:	16 h light, 8 h darkness (recommended)
7. Test chamber size:	400 mL (16-ounce cups)
8. Test solution volume:	250 mL
9. Renewal of test solution:	At 48-hours
10. Age of test organisms:	9-14 days post-hatch (at test start)
11. No. organisms per test chamber:	5
12. Number of replicate chambers per concentration:	6
13. No. organisms per concentration:	30
14. Feeding regime:	Feed 1-mL *Artemia* stock (1-mL concentrated *Artemia* in 100-mL seawater) per replicate once daily in the morning
15. Test chamber cleaning	Siphon at 48-hours (80% solution exchange)
16. Test chamber aeration:	None, unless DO concentration falls below 4.0mg/L; rate should not exceed 100 bubbles/min (recommended)
17. Dilution water:	Scripps Pier seawater
18. Test concentrations:	0 (laboratory control), 25, 50, and 100% sample concentration
19. Endpoints:	Survival at 96-hours
20. Sampling and sample holding requirements:	First use of sample within 36 hours of collection; keep in cold storage for 48-hour renewal
21. Sample volume required:	4 L minimum (for initiation and renewal)
22. Test acceptability criteria:	90% or greater mean survival in controls

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APPENDIX B

BEST MANAGEMENT PRACTICE PLANS

SAN DIEGO UNIFIED PORT DISTRICT
BMP PLAN IMPLEMENTATION

BMP TYPE	PROJECT NAME/ DESCRIPTION	LOCATION	PURPOSE(S)	TARGETED OUTCOME(S)	ASSESSMENT MECHANISM	SCHEDULE/STATUS	FINDINGS/ACCOMPLISHMENTS
Defined Projects for Stage 4 (2018–2022)							
Policy/ Regulation	***Copper Hull Paint Legislation Assembly Bill (AB) 425 (Atkins): The Port is involved in the development of state legislation that will require the Department of Pesticide Regulation (DPR) to adopt a leach rate that is protective of aquatic environments.***	***State-wide***	***This bill supports the Port's efforts to reduce copper pollution in San Diego Bay marinas by controlling copper loading throughout the state.***	***Completeness: Adoption of bill*** ***Load Reduction:*** ***(1) establish leach rate that is protective of aquatic environments.*** ***(2) Limit paints to only those meeting the leach rate.***		***Start Date: Feb 2013*** ***Completion Date:*** ***(1) Bill Complete – October 2013*** ***(2) Establish Leach Rate – February 2014*** ***Status: Legislation Complete***	• ***AB425 was signed in October 2013.*** • ***The final DPR report was completed, and leach rates were established on January 30, 2014:*** ○ ***Maximum Leach Rate of 9.5 µg/cm²/day for paints cleaned monthly with soft carpet.*** • ***7 additional mitigation measures identified to be implemented.***
Policy/ Regulation	***Support for DPR Paint Reformulation***	***State-wide***	***Establish timeline to phase out high-leach copper paint.***	***Completeness***	***Removal of high-leach products from the market***	***Start Date: 2018*** ***Status: Completed June 30, 2021***	• ***This DPR regulation set a maximum leach rate rule of 9.5 µg/cm²/day for copper-based hull paints and became effective July 1, 2018.*** • ***The 2018 regulation was the result of efforts associated with AB425.*** • ***June 30, 2021 marked the end of the grace period for all high-copper paints that were in stock at stores and boatyards. It is understood that after June 30, 2021, high-copper paints are no longer available in California.***
Policy/ Regulation	In-water Hull Cleaning Regulations – New Permits Issued	Bay-wide	In-Water Hull Cleaning regulations are intended to reduce or eliminate copper pollution caused by hull cleaning activities in San Diego Bay.	Completeness: Issue Permits to 100% of In-Water Hull Cleaning businesses operating in San Diego Bay. Load reduction: All hull cleaning businesses operating on Port Tidelands have obtained permits & use BMPs.	# of permitted in-water hull cleaning businesses / total in-water hull cleaning businesses known to operate.	Start Date: FY10 Status: Ongoing Annually	• 113 companies were issued permits since the onset of regulation. There are currently 61 active permits as of December 2022. • 5 hull cleaning permits were issued in 2022.
Policy/ Regulation	In-water Hull Cleaning – Permit Renewals	Bay-wide	In-Water Hull Cleaning Permit renewals are required every two years. A regular renewal process is intended to ensure divers stay up to date on education and training.	Completeness: Permit renewals issued Load reduction: All hull cleaning businesses operating on Port Tidelands possess valid permits & use BMPs.	# of permitted in-water hull cleaning businesses having permits expiring in 2022 / total # in-water hull cleaning businesses	Start Date: January 2013 Completion Date: Annually Status: Ongoing annually	• 0 permits expired in 2022. • Overall, 46 permits have expired since the onset of the regulation due to either companies going out of business or being sold to another already permitted in-water hull cleaning company.

Shelter Island Yacht Basin Dissolved Copper Total Maximum Daily Load BMP Workplan – San Diego Unified Port District
Summary of efforts completed/in progress (January–December 2022)

BMP TYPE	PROJECT NAME/ DESCRIPTION	LOCATION	PURPOSE(S)	TARGETED OUTCOME(S)	ASSESSMENT MECHANISM	SCHEDULE/STATUS	FINDINGS/ACCOMPLISHMENTS
Policy/ Regulation	In-water Hull Cleaning – Diver/Marina Inspections	Bay-wide	Inspections for in-water hull cleaning (IWHC) activities and review of marinas' check-in practices verify whether businesses are complying with permit requirements. In general, compliance with permit requirements is indicative of divers using BMPs and controlling their pollution.	Completeness: compliance with regulations confirmed through visual inspections. Load reduction: All hull cleaning businesses operating on Port Tidelands have obtained permits & use BMPs.	# of inspections conducted / # of citations/warnings issued	Start Date: FY10 Status: Ongoing Annually	• 225 In-Water Hull Cleaning Inspections completed in 2022. • 36 Marina Inspections completed in 2022. • 0 Citations issued in 2022.
Policy/ Regulation	In-water Hull Cleaning – Ordinance and Permit Program Review	Bay-wide	To amend the Port's In-Water Hull Cleaning Ordinance and Permit as necessary to address loading from In-Water Hull Cleaning.	Water Quality Improvement Load Reduction Behavior Change	Water Quality Monitoring Improved direct load reduction calculations	New Initiative Start Date: August 2019 Status: Ongoing	• 2019 efforts identified a data gap related to in-water hull cleaning's effects on water quality. • Stakeholder feedback requested addressing this data gap prior to additional Ordinance or Permit changes. • Hull Cleaning Pause and water quality monitoring completed in 2022. • Conditional program remains in place while TMDL evaluation conducted.
Policy/ Regulation	***New Initiative: Hull Cleaning Pause***	***SIYB***	***Implement a temporary pause of in-water hull cleaning of copper-based antifouling paint in Shelter Island Yacht Basin (SIYB) to evaluate the effects of in-water hull cleaning and water quality in SIYB.***	***Water Quality Improvement (Reduced copper in SIYB waters)*** ***Fill Data Gap (Collect water quality data)***	***Weekly Water Quality Sampling for copper*** ***In-Water Hull Cleaning Inspections: # Inspections conducted / # inspections where IWHC of copper paint observed*** ***# Citations issued***	***New Initiative*** ***Start Date: November 2021*** ***Status: Completed September 2022***	• ***Article 4.14 of Port Code amended to prohibit all in-water hull cleaning of copper-based antifouling paint in SIYB during the Pause period (December 19, 2021–February 9, 2022)*** • ***Weekly water quality testing program for 16 weeks (pre-, during, and post-pause).*** • ***A total of 217 inspections were conducted during the pause period and 0 citations were issued.*** • ***San Diego Regional Water Quality Control Board partnered with the Port on this project.*** • ***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).*** • ***Final report available at: https://pantheonstorage.blob.core.windows.net/environment/Hull-Cleaning-Pause-WQ-Monitoring-Tech-Report-with-Appendices_2022-09-16-Final.pdf***
Policy/ Regulation	Correspondence with State & Federal Agencies	State-wide	Promote consistency in requirements being developed across the state; discuss strategies for implementation activities, lessons learned, and build upon successful activity models.	Completeness: submittal of letters; response to request(s); public meeting comments	# of letters sent / # of requests satisfied/# of Port comments on regulatory items	Ongoing Annually • 2021: 3 initiatives	• Port and DPR staff continued an ongoing collaborative partnership by holding multiple conference calls to discuss copper-related issues and the DPR special study (throughout 2022). • Submitted letter to Regional Board discussing continued commitment to implementing the TMDL past the final TMDL year (January 2023).

BMP TYPE	PROJECT NAME/ DESCRIPTION	LOCATION	PURPOSE(S)	TARGETED OUTCOME(S)	ASSESSMENT MECHANISM	SCHEDULE/STATUS	FINDINGS/ACCOMPLISHMENTS
Policy/ Regulation	Coordination with other Regions on Copper TMDLs/impairments	State-wide	Promote consistency in requirements being developed across the state; discuss lessons learned, strategies for implementation activities, etc.	Consistency in regulations	Assessment mechanism is dependent on information being considered.	As-needed coordination	• Port continued to hold regularly scheduled calls with Los Angeles County Department of Beaches and Harbors to discuss respective TMDL programs and identify areas for collaboration on copper reduction efforts at both a regional and state level.
Policy/ Regulation	Legislative or Policy Efforts	State-wide	Seek options for additional state controls on copper through legislative efforts.	Completeness: Adoption of bill Load Reduction: TBD dependent on bill content		Start Date: TBD Completion Date: TBD Status: As-Needed	• Will be analyzed and coordinated as needed.
Policy/ Regulation	Policy Efforts as deemed applicable and appropriate	SIYB/ Bay-wide	Evaluate potential policy efforts locally and state-wide, as deemed appropriate.	Completeness: Adoption of policy Load Reduction: TBD dependent on policy content		Start Date: TBD Completion Date: TBD Status: As-Needed	• Will be analyzed and coordinated as needed.
Testing and Research	***Hull Paint Research Grants***	***State-wide***	***Projects advance the understanding of available alternative technologies; 3 new technologies being tested (nanotechnology, surface adhesion, natural antifouling compounds).***	***Completeness: Development of test products***	***Deliverable of final report and ability to test product in Port panel testing***	***Start Date: FY11*** ***Completion Date: FY13*** ***Status: Completed***	• ***ePaint – Completed 2012*** • ***University of Washington – Completed March 2013*** • ***Xurex – Completed July 2013***
Testing and Research	***Hull Paint Testing Program: Development of a testing program to evaluate new and emerging coatings***	***SIYB***	***The objective of the project was to identify effective non-copper antifouling paints through panel testing.***	***Completeness/Change in Awareness***	***Identification of alternative hull paints that are comparable to copper hull paints***	***Start Date: FY09*** ***Status: Complete*** ***Annual Totals:*** • ***2011: Five of 17 non-copper hull paints identified to be effective*** • ***2010: Four of 21 non-copper hull paints identified to be effective.***	• ***Paint testing efforts have been completed; no new work anticipated for the paint testing program.***
Testing and Research	Blue Economy Incubator (BEI): Testing New Innovation and Technologies	SIYB	Utilize the Port's Blue Economy Incubator (BEI) to discover, test, and implement, where applicable, new and innovative copper reduction and/or water quality improvement technologies.	Water Quality Improvement Commercial acceptance of technology	Testing of copper concentrations in the water column inside and outside of Boatwash basin Completeness: Businesses have invested in the technology / # of businesses using the technology	Start Date: 2017 Status: Ongoing	• The Rentunder Boatwash uses a semi-enclosed technology that offers an alternative to current in-slip hull cleaning practices. The pilot project consists of two phases that test the technology: ○ Phase 1 initiated in 2018 and water quality component tested. ○ Phase 2 is intended to test commercialization opportunities. • The January 15, 2022 tsunami caused significant damage to the technology, delaying the start of Phase 2.

Shelter Island Yacht Basin Dissolved Copper Total Maximum Daily Load BMP Workplan – San Diego Unified Port District
Summary of efforts completed/in progress (January–December 2022)

BMP TYPE	PROJECT NAME/ DESCRIPTION	LOCATION	PURPOSE(S)	TARGETED OUTCOME(S)	ASSESSMENT MECHANISM	SCHEDULE/STATUS	FINDINGS/ACCOMPLISHMENTS
Testing and Research	Hull Paint Testing Program: Implementation of a testing program to evaluate new and emerging coatings	SIYB	The objective of the project is to identify effective non-copper antifouling paints through panel testing or other processes.	Completeness/Change in Awareness	A standardized protocol for testing the effectiveness of new coatings has been developed.	Implementation: Program will be implemented as needed for new products and as budget allows	• In 2022, Port staff met with representatives from four alternative coating companies (SeaCoat, CeRam-Kote, Imperion Coatings, and Coval) to discuss progress in product development for recreational vessels.
Hull Paint Transition	***Transition of Port Fleet to Non-copper Hull Paints***	***SIYB/ Bay-wide***	***To facilitate the reduction of copper loading to SIYB in compliance with interim and final loading reduction targets.***	***Load reduction: 100% of fleet transitioned to non-copper hull paints Completeness: conversion of entire Port fleet***	***# converted / total***	***Start Date: FY09 Completion Date: FY11 Status: Complete 15 of 15 converted***	***• All 15 Port boats remain converted, resulting in a 13.5 kg/yr load reduction for 2022. • The project was completed in 2011, the full fleet remains copper free through 2023.***
Hull Paint Transition	***Vessel Tracking Templates***	***SIYB/ Bay-wide***	***Excel-based data sheets for marinas and yacht clubs to use to track hull paint in a consistent manner for reporting purposes.***	***Completeness/Change in Behavior***	***# of facilities using templates and tracking hull paint information***	***Start Date: FY11 Completion Date: FY13 Status: Complete***	***• The Port and all 11 facilities are currently using the template to track hull paint.***
Hull Paint Transition	***Web-based Vessel Tracking System***	***SIYB/ Bay-wide***	***A web-based database to track vessel paint information for District and tenant facilities.***	***Completeness/Change in Behavior***	***Presence/absence of usable/accessible online vessel tracking database that calculates annual loading reductions***	***Start Date: FY12 Completion Date: FY13 Status: Database complete***	***• No new work was conducted on the database. The database is not currently in use.***
Grant Funding/ Incentives	***319h Hull Paint Conversion Project***	***SIYB***	***The project is designed to reduce the levels of copper in SIYB by incentivizing boaters to switch from copper to non-biocide hull paint.***	***Load reduction targets (as of 2012 cost reallocation): 107 vessels converted to non-toxic hull paints (an estimated 96.3 kg/yr copper load reduction)***	***# of vessels converted and loading reduction as compared to targets***	***Start Date: FY11 Completion Date: May 30, 2015 Status: Completed***	***• 7 boats converted in 2015 • 41 vessels converted overall • 2015 Load reduction = 6.3 kg/yr • Overall load reduction = 36.9 kg/yr • Final report submitted to State Board on May 30, 2015 • Report posted to website at: https://www.portofsandiego.org/environment/copper-reduction-program/hull-paint-transition.html***
Education/ Outreach	***In-Water Hull Cleaning Public On-line Surveys***	***SIYB/ Bay-wide***	***This project is designed to gather data on how vessels are being cleaned in SIYB and San Diego Bay.***	***Fill Data Gap Change in Awareness/Change in Behavior***	***Number of surveys completed on-line by the boating community***	***Start Date: February 9, 2021 Completion Date: March 21, 2021 Status: Completed***	***• 450 survey respondents including boaters, in-water hull cleaners, and marina/yacht club managers • Responses provided diverse and representative perspectives on a range of in-water hull cleaning information including vessel hull paint, current management procedures, vessel cleaning practices, and in-water hull cleaning tools utilized for cleaning. • Survey results available online: https://www.portofsandiego.org/environment/environmental-protection/copper-reduction-program.***

BMP TYPE	PROJECT NAME/ DESCRIPTION	LOCATION	PURPOSE(S)	TARGETED OUTCOME(S)	ASSESSMENT MECHANISM	SCHEDULE/STATUS	FINDINGS/ACCOMPLISHMENTS

Education/ Outreach	Workshops/seminars to boating community & Stakeholders	SIYB/ Bay-wide	Educate boat owners on environmental impacts of copper-based hull paints; provide information on alternative hull paints; inform boat owners of the Hull Paint Conversion Project; inform stakeholders of programs or policies.	Change in Awareness/Change in Behavior	# of people attending; results from public opinion/awareness surveys or pre/post-tests (as applicable)	Start Date: FY 09
						
						Status: Ongoing
						
						Past Annual Totals:
						• 2021 – 8 events
						• 2020 – 9 events
						• 2019 – 11 events
						• 2018 – 12 events
						• 2017 – 7 events
						• 2016 – 6 events
						• 2015 – 5 events
						• 2014 – 6 events
						• 2013 – 1 event
						• 2012 – 3 events
						• 2011 – 2 events
						• 2010 – 1 event
							<u>2022 Events and Activities</u>
							• Guest Speaker Invitations:
							  ○ Marina Interagency Coordinating Committee (MIACC)- Gave an overview of the recent study that evaluated copper levels in the water while hull cleaning was paused for eight weeks and discussed copper reduction efforts and next steps for the TMDL from a regulated party's perspective (July 28, 2022). Approximately 46 people attended.
							• Port Board Memorandums
							  ○ 1 Board Memorandum
							    ▪ Submittal of the 2021 SIYB Dissolved Copper TMDL Annual Monitoring and Progress Report (April 14, 2022).
							• Port Board Meeting Agendas
							  ○ 1 Board Agenda and Presentation
							    ▪ Status update on the SIYB Dissolved Copper TMDL, Direction to Staff on Initiating an In-Water Hull Cleaning Pilot Study and Direction to Staff on an Implementation Approach (July 12, 2022).
							• San Diego Regional Water Quality Control Board Meetings
							  ○ 1 Board Presentation
							    ▪ Port staff presented alongside Regional Board Staff on Informational Item titled "A Sediment Cleanup and Navy Dredging Update for San Diego Bay (August 10, 2022).

Education/ Outreach	Booths at Outreach Events	SIYB/ Bay-wide	The Port makes efforts to host a booth at various boating-related events. The purpose is to educate the boating community on environmental impacts of copper-based hull paints; provide information on alternative hull paints; inform boat owners of the Hull Paint Conversion Project (2013–2015).	Change in Awareness/Change in Behavior	# of attendees; # of posted advertisements or pamphlets distributed Results from public opinion/awareness surveys (as applicable)	Start Date: FY 09 Status: Ongoing Past Annual Totals: • 2021 – 0 events (COVID) • 2020 – 0 events due to COVID-19 • 2019 –1 event • 2018 – 1 event • 2017 – 0 events • 2016 – 6 events • 2015 – 6 events • 2014 – 5 events • 2013 – 5 events • 2012 – 4 events • 2011 – 4 events • 2010 – 1 event • 2009 – 1 event	• Due to limited event opportunities related to COVID-19, this initiative was unable to be utilized for 2022.

BMP TYPE	PROJECT NAME/ DESCRIPTION	LOCATION	PURPOSE(S)	TARGETED OUTCOME(S)	ASSESSMENT MECHANISM	SCHEDULE/STATUS	FINDINGS/ACCOMPLISHMENTS
Education/ Outreach	Develop Partnerships/ Collaboration	SIYB/ Bay-wide	Identify opportunities to collaborate with tenants, academia, and other agencies to develop and provide outreach, testing opportunities, funding opportunities, and policies.	Change in Awareness/Change in Behavior	# of partnerships developed	Start Date: FY 09 Completion Date: Ongoing Status: In progress	• Coordination with SIMLG and SIYB TMDL Stakeholders on SIYB TMDL annual report and copper reduction efforts. • Regular participation in state-led Marina Interagency Coordinating Committee (MIACC) meetings for antifouling and marina-related topics (January 27, 2022, July 28, 2022, December 6, 2022). • Regular meetings with SIMLG and other SIYB TMDL stakeholders to discuss copper reduction efforts and TMDL status. ○ In October 2022, the Port organized a meeting with the tenants and Regional Board to discuss next steps for the TMDL. • Meetings with Regional Board to discuss TMDL progress and source control (October 18 and October 24, 2022).
Education/ Outreach	Website Development	SIYB/ Bay-wide	Be an information source for staying up to date with boating trends, news, events and environmental issues. Provide tenants, stakeholders, and public information on copper hull paint-related projects, policies and other items.	Change in Awareness/Change in Behavior	Web pages created and posted. Periodic updates to webpages (as necessary)	Start Date: FY 10 Status: Ongoing Past Annual Totals: • 2021 – 33 updates • 2020 – 26 updates • 2019 – 25 updates • 2018 – 40 updates • 2017 – 36 updates • 2016 – 2 updates • 2015 – 2 updates • 2014 – 1 update • 2013 – 2 updates • 2012 – 2 updates • 2011 – 1 update	<u>**2022 Activities**</u> • The website was routinely checked to ensure content was available to the public and that information remained current and easy to find. • 7 website updates were performed in 2022: Updates were provided to the public regarding up-to-date information on the Hull Cleaning Pause, the public comment period for the Hull Cleaning Pause draft report, as well as the posting of the final report. • Approximately 11 updates were made to the In-Water Hull Cleaning permitted divers list (the list is updated and distributed to marinas and yacht clubs weekly, unless there are no changes to the list from the previous week). • A dedicated email address continued to be utilized for stakeholders to facilitate correspondence and questions and answers for In-Water Hull Cleaning related inquiries (hullcleaning@portofsandiego.org).
Education/ Outreach	Literature Development: (brochures, handouts, print materials)	Bay-wide	Development and distribution of brochures and other educational materials for the public addressing the bay's copper problems and providing information on non-copper alternative hull paints.	Change in awareness	# of brochures or pamphlets created	Start Date: FY 10 Past Annual Totals: • 2021 – 0 items • 2020 – 0 items • 2019 – 1 item • 2018 – 1 item • 2017 – 0 items • 2016 – 1 item • 2015 – 1 item • 2014 – 2 items • 2013 – 4 items • 2012 – 1 item • 2011 – 2 items	• There were no new educational materials produced in 2022. The 2019 update to the Boater's Guide to Hull Paints in California remained available on the Copper Reduction Program website.

BMP TYPE	PROJECT NAME/ DESCRIPTION	LOCATION	PURPOSE(S)	TARGETED OUTCOME(S)	ASSESSMENT MECHANISM	SCHEDULE/STATUS	FINDINGS/ACCOMPLISHMENTS
Education/ Outreach	Media Development: (Videos, Web tools, Testimonials, Press releases)	SIYB/ Bay-wide	Development and distribution of information for the public addressing the bay's copper problems, non-copper hull paints, policies, and testimonials from boaters/tenants using non-copper hull paints.	Change in awareness	# of press releases or videos created	Start Date: FY 09 Status: Ongoing Past Annual Totals: • 2021 – 5 items completed • 2020 – 1 item completed • 2019 – 3 items completed • 2018 – 1 item completed • 2017 – 1 press release; 1 item completed • 2016 – 1 press release; 3 items completed • 2015 – 1 press release; 2 items completed • 2014 – 7 press releases; 1 item completed • 2013 – 5 press releases; 3 items completed • 2012 – 9 press releases; 1 video, 2 posters • 2011 – 7 press releases • 2010 – 5 press releases • 2009 – 2 press releases	**2022 Activities** • The Log Newspaper article ○ Article discussing water quality results from both annual monitoring and the recent in-water hull cleaning study titled "Sixteen-week Water Quality Survey Shows No Difference in Copper Reduction Following Eight-Week Pause on In-Water Hull Cleaning" (July 21, 2022). https://www.thelog.com/news-departments/sixteen-week-water-quality-survey-shows-no-difference-in-copper-reduction-following-eight-week-pause-on-in-water-hull-cleaning/
Agency-Wide Activities	Construction Site Inspections	Bay-wide	Construction inspections ensure that sites undergoing (re-)development control pollution and prevent discharges. For construction sites and facilities that do not comply, the Port will take enforcement action.	Change in Behavior	Total # of sites, # of Inspections, # of follow-up inspections	Status: Ongoing	• 18 construction projects bay-wide. • 166 inspections and 5 violations. *Notes:* *Data presented for construction site inspections reflect a calendar year reporting period (January 1, 2022–December 31, 2022) as to stay consistent with previous SIYB BMP workplan submittals.*

BMP TYPE	PROJECT NAME/ DESCRIPTION	LOCATION	PURPOSE(S)	TARGETED OUTCOME(S)	ASSESSMENT MECHANISM	SCHEDULE/STATUS	FINDINGS/ACCOMPLISHMENTS
Agency-Wide Activities	Commercial Business Inspections Program	Bay-wide	The Port inspects commercial facilities per the Municipal Permit in SIYB and bay-wide. One component, the Port's marina inspection program, has been an effort to educate boat owners about pollution prevention, focusing on visual observations designed to identify sources of pollution and the pollution prevention practices being implemented at the marinas.	Change in Behavior	Total # Inspections; # of follow-up inspections	Status: Ongoing	• Bay-wide, 39 commercial facility inspections were conducted through the Existing Development Management Program. Six follow-up inspections were required. • Bay-wide, no commercial facilities received an administrative citation. • No SIYB commercial facilities received administrative citations or written warnings. • Bay-wide, 99 commercial facilities completed stormwater training and submitted BMP implementation certifications. Of the 99 commercial facilities, 14 are located within SIYB. *Notes:* *Data is gathered from the Jurisdictional Runoff Management Program (JRMP), which has a permit-required data collection period of July 1, 2021–June 30, 2022. To stay consistent with previous SIYB BMP workplan reporting, these dates were used for this report.*
Structural BMP Implementation	Priority Development Project (PDP) Regulations	Bay-wide	The Port incorporates PDP requirements on applicable development and redevelopment projects bay-wide. Depending on the type and size of the projects, PDP requirements could include site design, source controls, and treatment controls such as LID.	Change in Behavior: Compliance	# of projects having metals as priority pollutant / # of completed PDP BMPs / # acres (sq. ft)	Status: Ongoing	• No new projects occurred in SIYB in 2022 having metals as a priority pollutant. *Notes:* *Data presented for PDP implementation reflect a calendar year reporting period (January 1, 2022–December 31, 2022) as to stay consistent with previous SIYB BMP workplan submittals.*
Monitoring/ Reporting	***SIYB Special Study – Time Series Special Study***	***SIYB***	***Gain a better understanding on the effects tidal variations may have on concentrations of dissolved copper in surface waters at SIYB.***	***Change in SIYB water quality concentrations during different stages of a full mixed semidiurnal tidal cycle***	***Completeness: Assess water quality monitoring data and compare to previous water quality and modeling efforts.***	***Status: Completed***	• ***3 Special Study sites throughout SIYB were sampled every 2 hours for an entire mixed semidiurnal tidal cycle (26 hours).*** • ***Samples collected in January 2018 at mouth, mid-basin, and back-basin.*** • ***Findings submitted as part of the 2017 Annual SIYB TMDL Report (March 2018)***
Monitoring/ Reporting	Conduct annual SIYB TMDL Water Quality Monitoring	SIYB	Assess water quality in SIYB; determine when vessel conversion starts to show water quality improvements.	Completeness	Completed Report	Status: 2022 Monitoring Complete	• For 2022: Basin average for dissolved copper was 6.1 µg/L. • In March 2022 and January 2023, winter monitoring events were conducted to sample the TMDL compliance stations, evaluating potential seasonal differences in dissolved copper concentrations in SIYB. • Monitoring and Reporting for this TMDL have been completed. Future revisions to SIYB monitoring efforts and basin analyses will be developed and implemented as directed by the Regional Board.

BMP TYPE	PROJECT NAME/ DESCRIPTION	LOCATION	PURPOSE(S)	TARGETED OUTCOME(S)	ASSESSMENT MECHANISM	SCHEDULE/STATUS	FINDINGS/ACCOMPLISHMENTS
Monitoring/ Reporting	Revisions to QAPP & Monitoring Plan	SIYB	Develop a water sampling and vessel tracking program to 1) use annually to assess conditions in SIYB, and 2) determine compliance with the TMDL.	Completeness	Submittal of plan updates	Start Date: Ongoing Annually Status: Monitoring Plan updates completed for TMDL	• 2022 revisions included the addition of TIE methods and acute *Menidia* toxicity testing. • The Monitoring Plan and QAPP have been completed for this TMDL. Future revisions to SIYB monitoring efforts and basin analyses will be developed and implemented as directed by the Regional Board.
Monitoring/ Reporting	***Updates to SIYB TMDL Conceptual Model (as-needed)***	***SIYB***	***Update model using accepted modeling techniques that can predict current conditions and copper loading changes as paints are transitioned from current leach rates to AB425 Category 1 leach rates. Updates would include list of data inputs and comparisons to existing modeling efforts and data.***	***Completeness; annual review and update (when applicable)***	***Completed report; updates as needed***	***Start Date: March 2013*** ***Completion Date: By March 2016*** ***Status: Completed***	• ***Data from DPR Report was included in conceptual model.*** • ***SIYB-Specific MAMPEC model study completed; Identification of recent studies to fill data gaps and uncertainties completed.*** • ***Information provided in the SIYB 2015 Annual Report as Appendix E (March 2016; see link below).*** ***https://www.portofsandiego.org/environment/copper-reduction-program/monitoring-and-data-assessment/shelter-island-yacht-basin-tmdl-annual-reports/7286-shelter-island-yacht-basin-tmdl-annual-report-2015.html*** • The conceptual model has been completed for this TMDL. Future modeling, monitoring efforts, and basin analyses will be developed and implemented as directed by the Regional Board.
Monitoring/ Reporting	***Conceptual Model Technical Review***	***SIYB***	***Update model using accepted modeling techniques that predict current conditions and copper loading changes as paints are transitioned from current leach rates to AB425 Category 1 leach rates and the contributions of In-Water Hull Cleaning from cleaning frequencies.***	***Completeness***	***Completed report; updates as needed***	***Start Date: August 2019*** ***Completion Date: September 2019*** ***Status: Completed***	• ***The Technical Review of the conceptual model reassessed the 2005 SIYB TMDL's loading assumptions to determine whether the SIYB TMDL copper targets may be achieved by reducing the frequency of, or eliminating, in-water hull cleaning.*** • ***Key findings suggest adaptive management measures to vessel hull cleaning frequency and adjustments to implementation practices may lead to copper load reductions and water quality improvements.***
Monitoring/ Reporting	Support DPR Special Water Quality Study to evaluate effectiveness of Category 1 Paints	State-wide	Establish baseline and perform bi-annual subsequent sampling to determine if Category 1 paints are improving water quality around the state.	Currently impaired basins meeting Water Quality Objectives as the Category 1 Paint Rule is fully recognized	Water quality measurements compared to WQOs	Started: 2019 Completion Expected: TBD	• In 2019, the Port was approached by the DPR to include SIYB in their special study to evaluate the Category 1 paints and their effect on water quality in impaired basins over time. • In 2022, Port staff continued this collaboration by providing a sampling vessel and sharing annual monitoring results for the DPR's 2022 SIYB sampling efforts.
Monitoring/ Reporting	Regional Harbor Monitoring Program (RHMP): 2023 Core Monitoring Program	Bay-wide	Assesses conditions in San Diego Bay based on comparisons of historical data and contaminant concentrations to known water and sediment thresholds.	Completeness	Water, sediment, & fish sampling in bay; Report on findings of the study	Start Date: FY23 Completion Date: FY28 Status: Ongoing	• Planning for the 2023 RHMP began with Port staff attending Bight Regional Monitoring scoping meetings held by the Southern California Coastal Water Research Project (SCCWRP).

Shelter Island Yacht Basin Dissolved Copper Total Maximum Daily Load BMP Workplan – San Diego Unified Port District
Summary of efforts completed/in progress (January–December 2022)

BMP TYPE	PROJECT NAME/ DESCRIPTION	LOCATION	PURPOSE(S)	TARGETED OUTCOME(S)	ASSESSMENT MECHANISM	SCHEDULE/STATUS	FINDINGS/ACCOMPLISHMENTS
Monitoring/ Reporting	***Regional Harbor Monitoring Program (RHMP): 2018 Core Monitoring Program***	***Bay-wide***	***Assesses conditions in San Diego Bay based on comparisons of historical data and contaminant concentrations to known water and sediment thresholds.***	***Completeness***	***Water, sediment, & fish sampling in bay; Report on findings of the study***	***Start Date: FY17*** ***Completion Date: FY22*** ***Status: Completed***	• ***Revised final report completed August 2021 (see link below)*** ***https://pantheonstorage.blob.core.windows.net/environment/San-Diego-Regional-Harbor-Monitoring-Program-2018-FINAL-REPORT-REVISED.pdf***
Monitoring/ Reporting	***Regional Harbor Monitoring Program (RHMP): 2013 Core Monitoring Program***	***Bay-wide***	***Assesses conditions in San Diego Bay based on comparisons of historical data and contaminant concentrations to known water and sediment thresholds.***	***Completeness***	***Water, sediment, & fish sampling in bay; Report on findings of the study***	***Start Date: FY11*** ***Completion Date: FY16*** ***Status: 2013 Completed***	• ***Final report completed January 2016 (see link below)*** ***https://www.portofsandiego.org/document/environment/regional-harbor-monitoring-program/rhmp-2013.html***
Monitoring/ Reporting	***SIYB Hydrology Study***	***SIYB***	***Evaluate the potential for enhanced flushing of SIYB by adding culverts or pipes through to America's Cup Harbor or directly to the bay's main channel. Develop a preliminary engineering feasibility and cost assessment for the modeled scenarios.***	***Completeness***	***Completed report***	***Start Date: FY11*** ***Completion Date: FY13*** ***Status: Completed Feb 2013***	• ***A culvert between SIYB and America's Cup Harbor was modeled to provide the greatest benefit in reducing copper in SIYB. The study predicted a potential 17% reduction on average throughout the basin and 21% reduction at the head (or enclosed end) of the basin.***

* This list is subject to modification based on the availability of resources and results from other projects.

**Projects in bold italics denote projects completed during or prior to this reporting period

SHELTER ISLAND MASTER LEASEHOLDERS TMDL GROUP BMP PLAN IMPLEMENTATION

BMP Type	Project Name Description	Purpose	Partiticpant	Manager	Start Date	Assessment Mechanism	Results	Modifications	End Date	time expended
education	SIMLG Monthly Meetings	Liaise with and update management	Group Members	Chair	Jan-10	participation	on-going	TBD	Annual	68
education	Posting of Diving RQs	Bring awareness to boaters	Group Members	Standing Committee		none	posted	TBD	None	5
education	Presentation to Exective Staff	Liaise with and update management	ChemMetrics	Lead Scientist	-	third party review	executed	TBD	Does Not Apply	5
outreach	MIAPP meetings	Gain statewide perspective	Group Members	None	-	group consensus	on-going	TBD	Unknown	6
outreach	RBOC meetings	Prospect for Colaboration and funding opportunties	ChemMetrics	Chair	-	goal achievement	on-going	TBD	Unknown	3
outreach	RWQCB Presentation	Healthy Bay Iniative	Group Members	Chair	-	none	improved underestand ing	TBD	Does Not Apply	10
program improvement	RWQCB, SD	Pespective on Healthy Bay Initiative	ChemMetrics	Chair	-	group consensus	on-going	TBD	Unknown	15
program improvement	Dock Walk, activity log	Correlate Dockside Activities with water monitoring	Ad Hoc Group	Chair	-	none	observation recorded	TBD	Unknown	6
program improvement	review and comment on 2021 Port report	Improve Scientifc basis of compliance	ChemMetrics	Lead Scientist	-	third party review	submitted	TBD	Does Not Apply	19
program improvement	Compile and present Hull Survey	Meet Compliance	ChemMetrics	Lead Scientist	-	third party review	submitted	TBD	Does Not Apply	82

BMP Type	Project Name Description	Purpose	Partiticpant	Manager	Start Date	Assessment Mechanism	Results	Modifications	End Date	time expended
program improvement	Respond to and meet regarding diving ban	Improve Scientifc basis of compliance	ChemMetrics	Lead Scientist	-	third party review	submitted	TBD	Does Not Apply	16
program improvement	BMP program description	Improve Compliance	ChemMetrics	Chair	-	third party review	submitted	TBD	Does Not Apply	10
program improvement	NonPoint Source Program review and comment	Improve Scientifc basis of compliance	ChemMetrics	Lead Scientist	-	third party review	submitted	TBD	Does Not Apply	10
technical improvement	Fish and Wildlife Consults	Planning possible Mitigation Projects	ChemMetrics	Standing Committee	Jun-20	group consensus	on-going	TBD	Unknown	4
technical improvement	Devlop Mitigation Projects	Healthy Waters Iniative	ChemMetrics	Chair	-	third party review	submitted	TBD	Does Not Apply	7
technical improvement	Bacterial Toxicity in Basin	Healthy Waters Iniative	ChemMetrics	Chair	-	third party review	ongoing	TBD	Does Not Apply	18

Shelter Island Yacht Basin
Master Leaseholders
TMDL Group

VIA EMAIL

February 21, 2023

David Gibson, Executive Officer
California Regional Water Quality Control Board, Region 9
2375 Northside Drive, Suite 100
San Diego, CA 92108-2700

RE: CW-879375

Dear Mr. Gibson:

The Shelter Island Master Leaseholder Group (SIMLG) thanks you for your October 5, 2022, letter related to the Shelter Island Yacht Basin Copper Total Maximum Daily Load (TMDL) compliance date.

Our group has been pleased to work diligently with the Port of San Diego toward achieving the copper loading reduction detailed in the TMDL. We have devoted a great deal of energy to comply with Investigative Order No. R9-2011-0036 to document the efforts made by boat-owners and marinas in SIYB. We are especially gratified that you acknowledge and appreciate the efforts that have been made.

Naturally, we are disappointed that we fell somewhat short of the goals for copper loading reduction. By some measures we have come tantalizingly close to compliance if we adjust some copper source assumptions. We have sketched out some of our ideas as a Path Forward. For example, we believe that it would be useful to establish a Technical Work Group to bring in a variety of perspectives. Alternatively, or in conjunction, perhaps we could establish a National Estuary Program (NEP). This EPA program seems well aligned with our goals and could be a source for funding if needed. https://www.epa.gov/nep/overview-national-estuary-program.

Of course, our group remains committed to the goal of long-term ecological health for SIYB and, indeed for the entirety of San Diego Bay. Clearly, the anti-fouling paint reformulation by the Department of Pesticide Regulation has been a key part of what has been achieved in Shelter Island and has resulted in a decline in copper loading for every part of the bay. We are heartened by studies published since issuance of the Investigative Order, which indicate that bioavailable copper levels in the basin are extremely low and unlikely to affect marine life.

SIMLG, 2091 Shelter Island Drive, San Diego, CA 92106

It is encouraging to know that you will center your review on an assessment of the aquatic life beneficial uses in the basin rather than reviewing dissolved copper concentrations. As you have observed, those concentrations have been stubbornly unchanging despite copper loading reductions from AFP. Our group has worked diligently for over ten years trying to meet a numerical copper standard although the RWQCB has acknowledged that the standard could be modified for site-specific objectives. There are indications that such a study might support our belief that our basin is a healthy environment.

We take to heart and strongly support the approach you advocate based upon a Practical Vision and its core values. The Strategy for a Healthy San Diego Bay with a focus upon the key beneficial uses in the basin resonates strongly with us. The biological integrity of the basin is a significant concern. Our group has developed a program with High Tech High to assay biological indicators in SIYB. We think this "Citizen Science" initiative can help reinforce the Healthy Bay approach. The recent survey of oyster and mussel populations in San Diego Bay further helps to demonstrate this. Similarly, the white seabass hatchery in the basin is a striking example of the vibrancy of the habitat in the basin.

The restricted hydrologic circulation in SIYB is a significantly constraining factor. Perhaps plans to improve that can be revisited. Poor water circulation was identified in the original TMDL document as a cause of elevated copper levels.

SIMLG recognizes that a new phase is beginning. We are optimistic that useful and constructive outcomes can be achieved. Our group will continue its collaborative relationship with the Regional Board and the Port of San Diego and all other agencies. We are hopeful that we can jointly devise a less burdensome method to measure results. Perhaps a more generalized dataset can be constructed to avoid the intensely detailed acquisition of individual boat data.

Again, thank you for your letter. We support all of the points you have addressed.

Sincerely,

Cleve Hardaker
Chairman
Shelter Island Master Leaseholders Group

Cc. <u>Port of San Diego</u>
Joe Stuyvesant, Executive Director,
Karen Holman, Director, Environmental Protection,
Kelly Tait
Jason Giffen

California Regional Water Quality Control Board, Region 9
Jeremy Haas, Environmental Program Manager
San Diego Working Waterfront
Sharon Cloward, President,
John Laun, Chairman
Bill Kraus, CeRam-Kote Coatings
California Department of Pesticide Regulation
Anson Main, Environmental Program Manager,
Pedro Lima, Environmental Scientist
All Members of SIMLG
John Adriany, Chem-Metrics

Memo: The effective lifetime of antifouling coatings as a determinant of loading
Date: March 30, 2023
Attention: Ms. Karen Holman

Dear Karen,

This memo responds to your request for documentation on spent copper antifouling paints.

The lifetime of antifouling coatings are relatively short. Once applied, an antifouling coating has a limited lifetime: it cannot leach more copper than contained in the coating.

A lifetime of the coating is limited by the amount of copper in the paint matrix. Effective leach rates vary over the life of the coating governed by a diffusional rate of copper migration through the paint matrix: a rate limited process, which slows over time due to an increased path to the paint surface that copper molecules must migrate.

The following lifetimes are cited in the regulatory literature:

- Potential antifouling lifetimes range from 24 to 36 months for hard coatings, up to 36 months for controlled depletion polymer systems or ablative coatings (EPA 800-R-11-004 November 2011).
- It has been generally assumed that antifouling coatings are renewed every two to three years. The Carson Report projected that coatings would be reapplied every 2.5 years (Carson *et al.*, 2002). A three-year lifecycle for antifouling paints was projected in other studies (Earley et. al, 2013).
- A five-year lifespan for copper antifouling paints is defined by ISO 1890:2010-Modeling of Biocide Release Rates by Mass Balance Calculation, the method required by The Department of Pesticide Regulation from registrants of antifouling coatings. California Code of Regulations (Title 3. Food and Agriculture) Division 6. Pesticides and Pest Control Operations, Section 6190). The method projects that copper levels are depleted in the coating at its lifetime date.

Lifetimes are considered a dependable descriptor of leach rates and loading into receiving waters. Specifically, DPR required registrants of copper-based AFPs to submit an estimated copper leach rate for each product calculated using the International Organization for Standardization (ISO) method 10890:2010, as well as the supporting data used for the calculation. The ISO method describes a mass-balance calculation that estimates the mean biocide leach rate over the lifetime of an AFP, based on product specific data provided in the safety data sheet, technical data sheet, or confidential statement of formulation.

APPENDIX C

VESSEL TRACKING DATA

DATA FOR THE HARBOR POLICE DOCK, TRANSIENT DOCK, AND WEEKEND ANCHORAGE

Port Fleet Hull Paint Information

Facility	Slip / Mooring Number	Percent of Time Occupied	Vessel Document # or Registration #	Vessel Type	Vessel Length	Vessel Beam	Paint Type	Paint Name	Product Number	Boatyard	Painting Date	% Copper
HPD		100	Marine 1 (# 9157)	P - Fire Boat	39.1'	13'	Org	Interspeed 5640	BZA646	Marine Group	2021	N/A
HPD		100	Marine 2 (#9162)	P - Fire Boat	39.1'	13'	Org	Interspeed 5640	BZA646	Marine Group	2021	N/A
HPD		100	Marine 3 (# 9139)	P - Fire Boat	39.1'	13'	Org	Interspeed 5640	BZA646	Marine Group	2021	N/A
HPD		100	Marine 4 (# 9138)	P - Fire Boat	39.1'	13'	Org	Interspeed 5640	BZA646	Marine Group	2021	N/A
HPD		100	Marine 5 (#9163)	P - Fire Boat	39.1'	13'	Org	Interspeed 5640	BZA646	Marine Group	2021	N/A
HPD		100	Marine 6 (# 7762)	P - Patrol Boat	31'	10'	Org	Interspeed 5640	BZA646	Marine Group	2021	N/A
HPD		100	Marine 7 (# 7763)	P - Patrol Boat	31'	10'	Org	Interspeed 5640	BZA646	Marine Group	2021	N/A
HPD		100	Marine 8 (# 9066)	P - Patrol Boat	36'	10'	Org	Interspeed 5640	BZA646	Marine Group	2021	N/A
HPD	24	100	Coral Reef (# 7708)	P - GS Work Boat	40'	14'	Org	Intersleek 900	FXA972/A	Marine Group	2021	N/A
HPD		on trailer	Marine 10 (9079)	P - Patrol Boat	22'		Non	No bottom paint	N/A	N/A	N/A	N/A
GST		100	Tsunamii II (# 9144)	P - GS Boat	20'	6'	Non	Interspeed 5640	BZA646	Marine Group	2020	N/A
HPD		100	Marine 9 (#9229)	P - Patrol Boat	39'	11'	Org	Interspeed 5640	BZA646	Marine Group	2019	N/A
HPD		100	Tuff Boat (# 9274)	P - GS Work Boat	16'		Org	Interspeed 5640	BZA646	Marine Group	2020	N/A
HPD	23	100	Munson (# 9305)	P - GS Boat	38'	13'	Org	Intersleek 900	FXA972/A	Munson	2019	N/A
HPD		100	Metal Shark (# 9315)	P - ENV. Boat	21'	8.5	Org	Interspeed 5640	BZA646	Marine Group	2021	N/A

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	21	12/9/2021	WEBSITE	Confirmed	12/23/2021	1/5/2022	65'	13
Guest Dock	8	12/24/2021	WEBSITE	Confirmed	12/24/2021	1/3/2022	42'	10
Guest Dock	22	12/22/2021	WEBSITE	Confirmed	12/29/2021	1/3/2022	60'	5
Guest Dock	19	12/18/2021	WEBSITE	Confirmed	12/30/2021	1/9/2022	46'	10
Guest Dock	6	12/27/2021	WEBSITE	Confirmed	12/30/2021	1/3/2022	32'	4
Guest Dock	20	12/18/2021	WEBSITE	Confirmed	12/30/2021	1/9/2022	47'	10
Guest Dock	15	12/19/2021	WEBSITE	Confirmed	12/31/2021	1/2/2022	36'	2
Guest Dock	2	12/31/2021	WEBSITE	Confirmed	12/31/2021	1/2/2022	44'	2
Guest Dock	11	12/31/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022	42'	3
Guest Dock	16	12/28/2021	WEBSITE	Confirmed	12/31/2021	1/2/2022	45'	2
Guest Dock	18	12/24/2021	WEBSITE	Confirmed	12/31/2021	1/4/2022	50'	4
Guest Dock	3	12/30/2021	WEBSITE	Confirmed	1/1/2022	1/16/2022	45'	15
Guest Dock	27	12/31/2021	WEBSITE	Confirmed	1/1/2022	1/2/2022	39'	1
Guest Dock	7	1/1/2022	WEBSITE	Confirmed	1/1/2022	1/2/2022	31'	1
Guest Dock	12	1/1/2022	WEBSITE	Confirmed	1/1/2022	1/2/2022	31'	1
Guest Dock	4	12/31/2021	WEBSITE	Confirmed	1/2/2022	1/3/2022	44'	1
Guest Dock	14	1/2/2022	WEBSITE	Confirmed	1/2/2022	1/4/2022	34'	2
Guest Dock	8	12/24/2021	WEBSITE	Confirmed	1/3/2022	1/4/2022	42'	1
Guest Dock	28	12/29/2021	WEBSITE	Confirmed	1/3/2022	1/6/2022	40'	3
Guest Dock	6	12/30/2021	WEBSITE	Confirmed	1/3/2022	1/5/2022	32'	2
Guest Dock	12	1/2/2022	WEBSITE	Confirmed	1/3/2022	1/5/2022	29'	2
Guest Dock	11	1/3/2022	WEBSITE	Confirmed	1/3/2022	1/5/2022	34'	2
Guest Dock	16	12/23/2021	WEBSITE	Confirmed	1/4/2022	1/7/2022		3
Guest Dock	18	12/30/2021	WEBSITE	Confirmed	1/4/2022	1/6/2022	50'	2
Guest Dock	8	1/3/2022	WEBSITE	Confirmed	1/4/2022	1/9/2022	42'	5
Guest Dock	14	1/4/2022	WEBSITE	Confirmed	1/4/2022	1/11/2022	40'	7
Guest Dock	12	1/4/2022	WEBSITE	Confirmed	1/5/2022	1/7/2022	29'	2
Guest Dock	27	1/4/2022	WEBSITE	Confirmed	1/5/2022	1/9/2022	39'	4
Guest Dock	21	1/4/2022	WEBSITE	Confirmed	1/5/2022	1/6/2022	65'	1
Guest Dock	10	1/5/2022	WEBSITE	Confirmed	1/5/2022	1/20/2022	38'	15
Guest Dock	18	1/2/2022	WEBSITE	Confirmed	1/6/2022	1/9/2022	50'	3
Guest Dock	4	1/3/2022	WEBSITE	Confirmed	1/6/2022	1/7/2022	39'	1
Guest Dock	21	1/5/2022	WEBSITE	Confirmed	1/6/2022	1/7/2022	65'	1
Guest Dock	22	1/6/2022	WEBSITE	Confirmed	1/6/2022	1/7/2022	47'	1
Guest Dock	15	1/5/2022	WEBSITE	Confirmed	1/7/2022	1/9/2022	22'	2
Guest Dock	21	1/7/2022	WEBSITE	Confirmed	1/7/2022	1/10/2022	65'	3
Guest Dock	18	1/7/2022	WEBSITE	Confirmed	1/9/2022	1/10/2022	50'	1
Guest Dock	20	1/7/2022	WEBSITE	Confirmed	1/9/2022	1/13/2022	47'	4
Guest Dock	19	1/8/2022	WEBSITE	Confirmed	1/9/2022	1/12/2022		3
Guest Dock	27	1/8/2022	WEBSITE	Confirmed	1/9/2022	1/10/2022	39'	1
Guest Dock	7	1/8/2022	WEBSITE	Confirmed	1/9/2022	1/12/2022	36'	3
Guest Dock	16	1/9/2022	WEBSITE	Confirmed	1/9/2022	1/10/2022	34'	1
Guest Dock	6	1/5/2022	WEBSITE	Confirmed	1/10/2022	1/25/2022	26'	15
Guest Dock	2	1/6/2022	WEBSITE	Confirmed	1/10/2022	1/15/2022	19'	5
Guest Dock	28	1/7/2022	WEBSITE	Confirmed	1/10/2022	1/13/2022	38'	3
Guest Dock	12	1/8/2022	WEBSITE	Confirmed	1/10/2022	1/13/2022	29'	3
Guest Dock	16	1/10/2022	WEBSITE	Confirmed	1/10/2022	1/11/2022	34'	1
Guest Dock	8	1/10/2022	WEBSITE	Confirmed	1/10/2022	1/11/2022	34'	1
Guest Dock	5	1/2/2022	WEBSITE	Confirmed	1/11/2022	1/14/2022	30'	3
Guest Dock	14	1/10/2022	WEBSITE	Confirmed	1/11/2022	1/18/2022	38'	7
Guest Dock	8	1/10/2022	WEBSITE	Confirmed	1/11/2022	1/18/2022	40'	7
Guest Dock	15	1/11/2022	WEBSITE	Confirmed	1/11/2022	1/13/2022	34'	2
Guest Dock	16	1/1/2022	WEBSITE	Confirmed	1/12/2022	1/14/2022		2
Guest Dock	7	1/10/2022	WEBSITE	Confirmed	1/12/2022	1/15/2022	36'	3
Guest Dock	9	1/12/2022	WEBSITE	Confirmed	1/12/2022	1/13/2022	42'	1
Guest Dock	12	1/11/2022	WEBSITE	Confirmed	1/13/2022	1/14/2022	29'	1
Guest Dock	15	1/12/2022	WEBSITE	Confirmed	1/13/2022	1/14/2022	25'	1
Guest Dock	28	1/12/2022	WEBSITE	Confirmed	1/13/2022	1/14/2022	34'	1

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	26	1/13/2022	WEBSITE	Confirmed	1/13/2022	1/14/2022	34'	1
Guest Dock	27	1/13/2022	WEBSITE	Confirmed	1/13/2022	1/14/2022	37'	1
Guest Dock	15	12/31/2021	WEBSITE	Confirmed	1/14/2022	1/15/2022	37'	1
Guest Dock	16	1/3/2022	WEBSITE	Confirmed	1/14/2022	1/15/2022		1
Guest Dock	26	1/10/2022	WEBSITE	Confirmed	1/14/2022	1/15/2022	40'	1
Guest Dock	27	1/11/2022	WEBSITE	Confirmed	1/14/2022	1/21/2022	36'	7
Guest Dock	13	1/12/2022	WEBSITE	Confirmed	1/14/2022	1/15/2022	26'	1
Guest Dock	12	1/13/2022	WEBSITE	Confirmed	1/14/2022	1/15/2022	34'	1
Guest Dock	28	1/13/2022	WEBSITE	Confirmed	1/14/2022	1/15/2022	46'	1
Guest Dock	12	1/1/2022	WEBSITE	Confirmed	1/15/2022	1/19/2022	44'	4
Guest Dock	16	1/2/2022	WEBSITE	Confirmed	1/15/2022	1/16/2022	26'	1
Guest Dock	7	1/14/2022	WEBSITE	Confirmed	1/15/2022	1/18/2022	43'	3
Guest Dock	2	1/14/2022	WEBSITE	Confirmed	1/15/2022	1/17/2022	18'	2
Guest Dock	28	1/15/2022	WEBSITE	Confirmed	1/15/2022	1/16/2022	46'	1
Guest Dock	13	1/15/2022	WEBSITE	Confirmed	1/15/2022	1/16/2022	34'	1
Guest Dock	26	1/11/2022	WEBSITE	Confirmed	1/16/2022	1/18/2022	39'	2
Guest Dock	15	1/12/2022	WEBSITE	Confirmed	1/16/2022	1/19/2022	45'	3
Guest Dock	16	1/14/2022	WEBSITE	Confirmed	1/16/2022	1/17/2022	26'	1
Guest Dock	5	1/14/2022	WEBSITE	Confirmed	1/16/2022	1/17/2022	36'	1
Guest Dock	19	1/16/2022	WEBSITE	Confirmed	1/16/2022	1/20/2022	45'	4
Guest Dock	13	1/16/2022	WEBSITE	Confirmed	1/16/2022	1/17/2022	34'	1
Guest Dock	3	1/3/2022	WEBSITE	Confirmed	1/17/2022	1/27/2022	36'	10
Guest Dock	2	1/3/2022	WEBSITE	Confirmed	1/17/2022	1/27/2022	33'	10
Guest Dock	16	1/13/2022	WEBSITE	Confirmed	1/17/2022	1/18/2022	37'	1
Guest Dock	13	1/15/2022	WEBSITE	Confirmed	1/17/2022	1/19/2022	10'	2
Guest Dock	28	1/16/2022	WEBSITE	Confirmed	1/17/2022	1/19/2022	30'	2
Guest Dock	20	1/17/2022	WEBSITE	Confirmed	1/17/2022	1/18/2022	34'	1
Guest Dock	16	1/9/2022	WEBSITE	Confirmed	1/18/2022	1/21/2022		3
Guest Dock	26	1/16/2022	WEBSITE	Confirmed	1/18/2022	1/21/2022	34'	3
Guest Dock	7	1/17/2022	WEBSITE	Confirmed	1/18/2022	1/19/2022	43'	1
Guest Dock	14	1/17/2022	WEBSITE	Confirmed	1/18/2022	1/19/2022	37'	1
Guest Dock	11	1/18/2022	WEBSITE	Confirmed	1/18/2022	1/19/2022	25'	1
Guest Dock	8	1/18/2022	WEBSITE	Confirmed	1/18/2022	1/19/2022	32'	1
Guest Dock	12	1/15/2022	WEBSITE	Confirmed	1/19/2022	1/21/2022	50'	2
Guest Dock	28	1/17/2022	WEBSITE	Confirmed	1/19/2022	1/22/2022	39'	3
Guest Dock	8	1/18/2022	WEBSITE	Confirmed	1/19/2022	1/20/2022	30'	1
Guest Dock	7	1/18/2022	WEBSITE	Confirmed	1/19/2022	1/20/2022	32'	1
Guest Dock	14	1/19/2022	WEBSITE	Confirmed	1/19/2022	1/20/2022	37'	1
Guest Dock	19	1/19/2022	WEBSITE	Confirmed	1/20/2022	1/21/2022	45'	1
Guest Dock	8	1/20/2022	WEBSITE	Confirmed	1/20/2022	1/21/2022	30'	1
Guest Dock	13	1/20/2022	WEBSITE	Confirmed	1/20/2022	1/23/2022	37'	3
Guest Dock	5	1/13/2022	WEBSITE	Confirmed	1/21/2022	1/24/2022	38'	3
Guest Dock	8	1/19/2022	WEBSITE	Confirmed	1/21/2022	1/24/2022	22'	3
Guest Dock	22	1/20/2022	WEBSITE	Confirmed	1/21/2022	1/24/2022	46'	3
Guest Dock	12	1/20/2022	WEBSITE	Confirmed	1/21/2022	1/23/2022	25'	2
Guest Dock	16	1/21/2022	WEBSITE	Confirmed	1/21/2022	1/22/2022	37'	1
Guest Dock	26	1/21/2022	WEBSITE	Confirmed	1/21/2022	1/22/2022	34'	1
Guest Dock	27	1/21/2022	WEBSITE	Confirmed	1/21/2022	1/22/2022	31'	1
Guest Dock	16	1/13/2022	WEBSITE	Confirmed	1/22/2022	1/24/2022	22'	2
Guest Dock	28	1/19/2022	WEBSITE	Confirmed	1/22/2022	1/23/2022	39'	1
Guest Dock	10	1/20/2022	WEBSITE	Confirmed	1/22/2022	1/23/2022	27'	1
Guest Dock	11	1/20/2022	WEBSITE	Confirmed	1/22/2022	1/23/2022	34'	1
Guest Dock	26	1/21/2022	WEBSITE	Confirmed	1/22/2022	1/26/2022	38'	4
Guest Dock	27	1/22/2022	WEBSITE	Confirmed	1/22/2022	1/24/2022	30'	2
Guest Dock	28	1/20/2022	WEBSITE	Confirmed	1/23/2022	1/24/2022	38'	1
Guest Dock	12	1/21/2022	WEBSITE	Confirmed	1/23/2022	1/24/2022	25'	1
Guest Dock	11	1/22/2022	WEBSITE	Confirmed	1/23/2022	1/24/2022	30'	1
Guest Dock	13	1/23/2022	WEBSITE	Confirmed	1/23/2022	1/25/2022	37'	2

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	11	1/16/2022	WEBSITE	Confirmed	1/24/2022	1/26/2022	30'	2
Guest Dock	12	1/24/2022	WEBSITE	Confirmed	1/24/2022	1/25/2022	25'	1
Guest Dock	16	1/17/2022	WEBSITE	Confirmed	1/25/2022	1/28/2022		3
Guest Dock	12	1/18/2022	WEBSITE	Confirmed	1/25/2022	1/28/2022	44'	3
Guest Dock	10	1/24/2022	WEBSITE	Confirmed	1/25/2022	1/28/2022	17'	3
Guest Dock	19	1/24/2022	WEBSITE	Confirmed	1/25/2022	1/28/2022	56'	3
Guest Dock	14	1/25/2022	WEBSITE	Confirmed	1/25/2022	1/27/2022	25'	2
Guest Dock	7	1/25/2022	WEBSITE	Confirmed	1/25/2022	1/27/2022	34'	2
Guest Dock	8	1/25/2022	WEBSITE	Confirmed	1/25/2022	2/1/2022	30'	7
Guest Dock	15	1/25/2022	WEBSITE	Confirmed	1/25/2022	1/27/2022	29'	2
Guest Dock	4	1/25/2022	WEBSITE	Confirmed	1/25/2022	1/30/2022	36'	5
Guest Dock	13	1/25/2022	WEBSITE	Confirmed	1/25/2022	1/26/2022	37'	1
Guest Dock	6	1/28/2022	WEBSITE	Confirmed	1/25/2022	1/29/2022	26'	4
Guest Dock	26	1/24/2022	WEBSITE	Confirmed	1/26/2022	1/28/2022	38'	2
Guest Dock	13	1/25/2022	WEBSITE	Confirmed	1/26/2022	1/27/2022	37'	1
Guest Dock	11	1/26/2022	WEBSITE	Confirmed	1/26/2022	2/1/2022	28'	6
Guest Dock	2	1/20/2022	WEBSITE	Confirmed	1/27/2022	1/31/2022	26'	4
Guest Dock	5	1/26/2022	WEBSITE	Confirmed	1/27/2022	1/28/2022	25'	1
Guest Dock	9	1/26/2022	WEBSITE	Confirmed	1/27/2022	1/28/2022	34'	1
Guest Dock	14	1/26/2022	WEBSITE	Confirmed	1/27/2022	1/28/2022	25'	1
Guest Dock	3	1/27/2022	WEBSITE	Confirmed	1/27/2022	1/28/2022	36'	1
Guest Dock	22	1/27/2022	WEBSITE	Confirmed	1/27/2022	2/11/2022		15
Guest Dock	3	1/17/2022	WEBSITE	Confirmed	1/28/2022	1/30/2022	21'	2
Guest Dock	5	1/19/2022	WEBSITE	Confirmed	1/28/2022	1/31/2022	42'	3
Guest Dock	28	1/27/2022	WEBSITE	Confirmed	1/28/2022	1/31/2022	38'	3
Guest Dock	18	1/27/2022	WEBSITE	Confirmed	1/28/2022	2/12/2022	60'	15
Guest Dock	9	1/28/2022	WEBSITE	Confirmed	1/28/2022	1/29/2022	34'	1
Guest Dock	16	1/26/2022	WEBSITE	Confirmed	1/29/2022	1/30/2022	39'	1
Guest Dock	9	1/29/2022	WEBSITE	Confirmed	1/29/2022	1/30/2022	34'	1
Guest Dock	16	1/28/2022	WEBSITE	Confirmed	1/30/2022	1/31/2022	27'	1
Guest Dock	26	1/29/2022	WEBSITE	Confirmed	1/30/2022	1/31/2022	30'	1
Guest Dock	20	1/24/2022	WEBSITE	Confirmed	1/31/2022	2/7/2022	58'	7
Guest Dock	26	1/24/2022	WEBSITE	Confirmed	1/31/2022	2/2/2022	30'	2
Guest Dock	28	1/25/2022	WEBSITE	Confirmed	1/31/2022	2/4/2022	36'	4
Guest Dock	10	1/26/2022	WEBSITE	Confirmed	1/31/2022	2/10/2022	41'	10
Guest Dock	21	1/28/2022	WEBSITE	Confirmed	1/31/2022	2/1/2022	65'	1
Guest Dock	12	1/29/2022	WEBSITE	Confirmed	1/31/2022	2/4/2022	34'	4
Guest Dock	3	1/30/2022	WEBSITE	Confirmed	1/31/2022	2/3/2022	36'	3
Guest Dock	2	1/30/2022	WEBSITE	Confirmed	1/31/2022	2/4/2022	38'	4
Guest Dock	14	1/30/2022	WEBSITE	Confirmed	1/31/2022	2/2/2022	30'	2
Guest Dock	16	1/30/2022	WEBSITE	Confirmed	1/31/2022	2/1/2022	34'	1
Guest Dock	27	1/31/2022	WEBSITE	Confirmed	1/31/2022	2/2/2022	37'	2
Guest Dock	16	1/23/2022	WEBSITE	Confirmed	2/2/2022	2/4/2022		2
Guest Dock	14	1/31/2022	WEBSITE	Confirmed	2/2/2022	2/4/2022	30'	2
Guest Dock	27	2/1/2022	WEBSITE	Confirmed	2/2/2022	2/3/2022	37'	1
Guest Dock	8	2/1/2022	WEBSITE	Confirmed	2/3/2022	2/7/2022	21'	4
Guest Dock	9	2/3/2022	WEBSITE	Confirmed	2/3/2022	2/4/2022	25'	1
Guest Dock	27	2/3/2022	WEBSITE	Confirmed	2/3/2022	2/4/2022	37'	1
Guest Dock	11	2/3/2022	WEBSITE	Confirmed	2/3/2022	2/4/2022		1
Guest Dock	3	2/3/2022	WEBSITE	Confirmed	2/3/2022	2/4/2022	36'	1
Guest Dock	4	1/26/2022	WEBSITE	Confirmed	2/4/2022	2/17/2022	38'	13
Guest Dock	11	2/1/2022	WEBSITE	Confirmed	2/4/2022	2/6/2022	38'	2
Guest Dock	28	2/2/2022	WEBSITE	Confirmed	2/4/2022	2/6/2022	40'	2
Guest Dock	12	2/4/2022	WEBSITE	Confirmed	2/4/2022	2/5/2022	27'	1
Guest Dock	2	2/4/2022	WEBSITE	Confirmed	2/4/2022	2/5/2022		1
Guest Dock	16	2/4/2022	WEBSITE	Confirmed	2/5/2022	2/6/2022	23'	1
Guest Dock	13	2/5/2022	WEBSITE	Confirmed	2/5/2022	2/6/2022	28'	1
Guest Dock	14	2/5/2022	WEBSITE	Confirmed	2/5/2022	2/7/2022	42'	2

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	11	1/28/2022	WEBSITE	Confirmed	2/6/2022	2/7/2022	44'	1
Guest Dock	12	2/6/2022	WEBSITE	Confirmed	2/6/2022	2/8/2022	28'	2
Guest Dock	3	2/6/2022	WEBSITE	Confirmed	2/6/2022	2/8/2022	59'	2
Guest Dock	11	1/28/2022	WEBSITE	Confirmed	2/7/2022	2/11/2022	44'	4
Guest Dock	20	2/4/2022	WEBSITE	Confirmed	2/7/2022	2/8/2022	58'	1
Guest Dock	27	2/5/2022	WEBSITE	Confirmed	2/7/2022	2/8/2022	30'	1
Guest Dock	27	2/5/2022	WEBSITE	Confirmed	2/8/2022	2/9/2022	30'	1
Guest Dock	13	2/8/2022	WEBSITE	Confirmed	2/8/2022	2/9/2022	28'	1
Guest Dock	15	2/8/2022	WEBSITE	Confirmed	2/8/2022	2/10/2022	27'	2
Guest Dock	16	1/31/2022	WEBSITE	Confirmed	2/9/2022	2/11/2022		2
Guest Dock	20	2/7/2022	WEBSITE	Confirmed	2/9/2022	2/10/2022	56'	1
Guest Dock	12	2/9/2022	WEBSITE	Confirmed	2/9/2022	2/10/2022	28'	1
Guest Dock	15	2/9/2022	WEBSITE	Confirmed	2/10/2022	2/15/2022		5
Guest Dock	2	2/9/2022	WEBSITE	Confirmed	2/10/2022	2/11/2022	18'	1
Guest Dock	3	2/9/2022	WEBSITE	Confirmed	2/10/2022	2/11/2022	29'	1
Guest Dock	12	2/10/2022	WEBSITE	Confirmed	2/10/2022	2/11/2022	28'	1
Guest Dock	6	2/10/2022	WEBSITE	Confirmed	2/10/2022	2/13/2022	30'	3
Guest Dock	14	2/10/2022	WEBSITE	Confirmed	2/10/2022	2/14/2022	23'	4
Guest Dock	3	2/1/2022	WEBSITE	Confirmed	2/11/2022	2/12/2022	40'	1
Guest Dock	12	2/9/2022	WEBSITE	Confirmed	2/11/2022	2/14/2022	41'	3
Guest Dock	27	2/9/2022	WEBSITE	Confirmed	2/11/2022	2/13/2022		2
Guest Dock	11	2/9/2022	WEBSITE	Confirmed	2/11/2022	2/16/2022	41'	5
Guest Dock	2	2/10/2022	WEBSITE	Confirmed	2/11/2022	2/13/2022	29'	2
Guest Dock	13	2/11/2022	WEBSITE	Confirmed	2/11/2022	2/12/2022	28'	1
Guest Dock	5	2/11/2022	WEBSITE	Confirmed	2/11/2022	2/12/2022	10'	1
Guest Dock	9	2/11/2022	WEBSITE	Confirmed	2/11/2022	2/14/2022		3
Guest Dock	19	2/10/2022	WEBSITE	Confirmed	2/12/2022	2/14/2022	49'	2
Guest Dock	28	2/10/2022	WEBSITE	Confirmed	2/12/2022	2/13/2022	36'	1
Guest Dock	26	2/11/2022	WEBSITE	Confirmed	2/12/2022	2/15/2022	40'	3
Guest Dock	16	2/11/2022	WEBSITE	Confirmed	2/12/2022	2/13/2022	42'	1
Guest Dock	3	2/12/2022	WEBSITE	Confirmed	2/12/2022	2/13/2022	16'	1
Guest Dock	13	2/12/2022	WEBSITE	Confirmed	2/12/2022	2/13/2022	28'	1
Guest Dock	6	2/13/2022	WEBSITE	Confirmed	2/13/2022	2/14/2022	30'	1
Guest Dock	13	2/13/2022	WEBSITE	Confirmed	2/13/2022	2/14/2022	27'	1
Guest Dock	28	2/12/2022	WEBSITE	Confirmed	2/14/2022	2/18/2022	34'	4
Guest Dock	3	2/13/2022	WEBSITE	Confirmed	2/14/2022	2/21/2022	29'	7
Guest Dock	16	2/13/2022	WEBSITE	Confirmed	2/14/2022	2/16/2022	37'	2
Guest Dock	12	2/14/2022	WEBSITE	Confirmed	2/14/2022	2/16/2022	42'	2
Guest Dock	15	2/14/2022	WEBSITE	Confirmed	2/15/2022	2/18/2022	19'	3
Guest Dock	9	2/14/2022	WEBSITE	Confirmed	2/15/2022	2/25/2022	31'	10
Guest Dock	16	2/6/2022	WEBSITE	Confirmed	2/16/2022	2/18/2022		2
Guest Dock	11	2/9/2022	WEBSITE	Confirmed	2/16/2022	2/17/2022	41'	1
Guest Dock	5	2/15/2022	WEBSITE	Confirmed	2/16/2022	2/17/2022	38'	1
Guest Dock	27	2/15/2022	WEBSITE	Confirmed	2/16/2022	2/17/2022	46'	1
Guest Dock	8	2/16/2022	WEBSITE	Confirmed	2/16/2022	2/17/2022	30'	1
Guest Dock	6	2/16/2022	WEBSITE	Confirmed	2/16/2022	2/18/2022	32'	2
Guest Dock	27	2/16/2022	WEBSITE	Confirmed	2/17/2022	2/18/2022		1
Guest Dock	8	2/17/2022	WEBSITE	Confirmed	2/17/2022	2/18/2022	30'	1
Guest Dock	18	2/17/2022	WEBSITE	Confirmed	2/17/2022	2/18/2022	64'	1
Guest Dock	16	2/18/2022	WEBSITE	Confirmed	2/18/2022	2/20/2022	40'	2
Guest Dock	4	2/7/2022	WEBSITE	Confirmed	2/19/2022	2/20/2022	22'	1
Guest Dock	26	2/17/2022	WEBSITE	Confirmed	2/19/2022	2/21/2022	34'	2
Guest Dock	15	2/19/2022	WEBSITE	Confirmed	2/19/2022	2/21/2022	34'	2
Guest Dock	5	2/19/2022	WEBSITE	Confirmed	2/19/2022	2/20/2022	35'	1
Guest Dock	2	2/13/2022	WEBSITE	Confirmed	2/20/2022	2/22/2022	38'	2
Guest Dock	6	2/17/2022	WEBSITE	Confirmed	2/20/2022	2/28/2022	36'	8
Guest Dock	28	2/18/2022	WEBSITE	Confirmed	2/20/2022	2/21/2022	37'	1
Guest Dock	27	2/19/2022	WEBSITE	Confirmed	2/20/2022	2/21/2022	30'	1

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	14	2/14/2022	WEBSITE	Confirmed	2/21/2022	2/24/2022		3
Guest Dock	5	2/16/2022	WEBSITE	Confirmed	2/21/2022	2/22/2022	38'	1
Guest Dock	28	2/18/2022	WEBSITE	Confirmed	2/21/2022	2/24/2022	37'	3
Guest Dock	15	2/20/2022	WEBSITE	Confirmed	2/21/2022	2/23/2022	34'	2
Guest Dock	4	2/20/2022	WEBSITE	Confirmed	2/21/2022	2/22/2022	29'	1
Guest Dock	12	2/20/2022	WEBSITE	Confirmed	2/22/2022	2/25/2022	44'	3
Guest Dock	4	2/22/2022	WEBSITE	Confirmed	2/22/2022	2/23/2022	29'	1
Guest Dock	2	2/23/2022	Moorings	Confirmed	2/22/2022	2/23/2022	38'	1
Guest Dock	19	2/10/2022	WEBSITE	Confirmed	2/23/2022	2/24/2022	65'	1
Guest Dock	27	2/14/2022	WEBSITE	Confirmed	2/23/2022	2/24/2022	30'	1
Guest Dock	7	2/20/2022	WEBSITE	Confirmed	2/23/2022	2/26/2022	42'	3
Guest Dock	2	2/23/2022	Moorings	Confirmed	2/23/2022	3/2/2022	38'	7
Guest Dock	8	2/23/2022	WEBSITE	Confirmed	2/23/2022	2/24/2022	34'	1
Guest Dock	14	2/15/2022	WEBSITE	Confirmed	2/24/2022	2/25/2022		1
Guest Dock	27	2/16/2022	WEBSITE	Confirmed	2/24/2022	2/25/2022	30'	1
Guest Dock	26	2/23/2022	WEBSITE	Confirmed	2/24/2022	2/26/2022	34'	2
Guest Dock	19	2/23/2022	WEBSITE	Confirmed	2/24/2022	2/25/2022	65'	1
Guest Dock	4	2/23/2022	WEBSITE	Confirmed	2/24/2022	2/25/2022	38'	1
Guest Dock	28	2/23/2022	WEBSITE	Confirmed	2/24/2022	2/25/2022	37'	1
Guest Dock	8	2/23/2022	WEBSITE	Confirmed	2/24/2022	2/25/2022	34'	1
Guest Dock	11	2/24/2022	WEBSITE	Confirmed	2/24/2022	2/26/2022	17'	2
Guest Dock	16	2/24/2022	WEBSITE	Confirmed	2/24/2022	2/25/2022	30'	1
Guest Dock	27	2/22/2022	WEBSITE	Confirmed	2/25/2022	2/26/2022	30'	1
Guest Dock	7	2/24/2022	WEBSITE	Confirmed	2/26/2022	2/28/2022	42'	2
Guest Dock	22	2/24/2022	WEBSITE	Confirmed	2/26/2022	2/27/2022	46'	1
Guest Dock	28	2/26/2022	WEBSITE	Confirmed	2/26/2022	3/2/2022	36'	4
Guest Dock	12	2/27/2022	WEBSITE	Confirmed	2/27/2022	2/28/2022	36'	1
Guest Dock	3	2/27/2022	WEBSITE	Confirmed	2/27/2022	2/28/2022	46'	1
Guest Dock	14	2/27/2022	WEBSITE	Confirmed	2/27/2022	3/2/2022	45'	3
Guest Dock	4	2/16/2022	WEBSITE	Confirmed	2/28/2022	3/4/2022	36'	4
Guest Dock	5	2/22/2022	WEBSITE	Confirmed	2/28/2022	3/1/2022	40'	1
Guest Dock	11	2/25/2022	WEBSITE	Confirmed	2/28/2022	3/4/2022	44'	4
Guest Dock	8	2/25/2022	WEBSITE	Confirmed	2/28/2022	3/5/2022	20'	5
Guest Dock	10	2/26/2022	WEBSITE	Confirmed	2/28/2022	3/2/2022	30'	2
Guest Dock	12	2/27/2022	WEBSITE	Confirmed	2/28/2022	3/2/2022	37'	2
Guest Dock	7	2/27/2022	WEBSITE	Confirmed	2/28/2022	3/4/2022	36'	4
Guest Dock	16	2/27/2022	WEBSITE	Confirmed	2/28/2022	3/1/2022	38'	1
Guest Dock	26	2/27/2022	WEBSITE	Confirmed	2/28/2022	3/1/2022	30'	1
Guest Dock	27	2/11/2022	WEBSITE	Confirmed	3/1/2022	3/7/2022	32'	6
Guest Dock	16	2/20/2022	WEBSITE	Confirmed	3/1/2022	3/4/2022		3
Guest Dock	26	2/26/2022	WEBSITE	Confirmed	3/1/2022	3/2/2022	30'	1
Guest Dock	15	2/28/2022	WEBSITE	Confirmed	3/1/2022	3/2/2022	38'	1
Guest Dock	2	2/23/2022	Moorings	Confirmed	3/2/2022	3/11/2022	38'	9
Guest Dock	15	3/1/2022	WEBSITE	Confirmed	3/2/2022	3/3/2022	38'	1
Guest Dock	9	3/1/2022	WEBSITE	Confirmed	3/2/2022	3/12/2022	17'	10
Guest Dock	26	3/2/2022	WEBSITE	Confirmed	3/2/2022	3/4/2022		2
Guest Dock	18	2/22/2022	WEBSITE	Confirmed	3/4/2022	3/5/2022	65'	1
Guest Dock	28	3/2/2022	WEBSITE	Confirmed	3/4/2022	3/7/2022	36'	3
Guest Dock	19	3/2/2022	WEBSITE	Confirmed	3/4/2022	3/19/2022	45'	15
Guest Dock	5	3/3/2022	WEBSITE	Confirmed	3/4/2022	3/7/2022	36'	3
Guest Dock	7	3/4/2022	WEBSITE	Confirmed	3/4/2022	3/6/2022	30'	2
Guest Dock	6	3/4/2022	WEBSITE	Confirmed	3/4/2022	3/7/2022	36'	3
Guest Dock	18	3/3/2022	WEBSITE	Confirmed	3/5/2022	3/6/2022	65'	1
Guest Dock	4	3/1/2022	WEBSITE	Confirmed	3/6/2022	3/8/2022	30'	2
Guest Dock	16	3/5/2022	WEBSITE	Confirmed	3/6/2022	3/7/2022	30'	1
Guest Dock	12	3/6/2022	WEBSITE	Confirmed	3/6/2022	3/7/2022	40'	1
Guest Dock	22	2/26/2022	WEBSITE	Confirmed	3/7/2022	3/8/2022	47'	1
Guest Dock	28	2/26/2022	WEBSITE	Confirmed	3/7/2022	3/11/2022	36'	4

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	11	3/6/2022	WEBSITE	Confirmed	3/7/2022	3/11/2022	38'	4
Guest Dock	26	3/6/2022	WEBSITE	Confirmed	3/7/2022	3/8/2022	36'	1
Guest Dock	12	3/7/2022	WEBSITE	Confirmed	3/7/2022	3/8/2022	29'	1
Guest Dock	16	3/7/2022	WEBSITE	Confirmed	3/7/2022	3/8/2022	30'	1
Guest Dock	15	3/7/2022	WEBSITE	Confirmed	3/7/2022	3/8/2022	45'	1
Guest Dock	4	3/4/2022	WEBSITE	Confirmed	3/8/2022	3/9/2022	30'	1
Guest Dock	14	3/7/2022	WEBSITE	Confirmed	3/8/2022	3/11/2022	43'	3
Guest Dock	10	3/7/2022	WEBSITE	Confirmed	3/8/2022	3/10/2022	29'	2
Guest Dock	8	3/8/2022	WEBSITE	Confirmed	3/8/2022	3/9/2022	34'	1
Guest Dock	27	3/8/2022	WEBSITE	Confirmed	3/8/2022	3/10/2022	35'	2
Guest Dock	26	3/8/2022	WEBSITE	Confirmed	3/8/2022	3/10/2022	36'	2
Guest Dock	5	2/25/2022	WEBSITE	Confirmed	3/9/2022	3/11/2022	38'	2
Guest Dock	16	2/27/2022	WEBSITE	Confirmed	3/9/2022	3/11/2022		2
Guest Dock	13	3/9/2022	WEBSITE	Confirmed	3/9/2022	3/10/2022	45'	1
Guest Dock	8	3/9/2022	WEBSITE	Confirmed	3/9/2022	3/11/2022	34'	2
Guest Dock	15	3/10/2022	WEBSITE	Confirmed	3/10/2022	3/11/2022	45'	1
Guest Dock	3	3/10/2022	WEBSITE	Confirmed	3/10/2022	3/11/2022	46'	1
Guest Dock	11	3/5/2022	WEBSITE	Confirmed	3/11/2022	3/15/2022	43'	4
Guest Dock	5	3/11/2022	WEBSITE	Confirmed	3/11/2022	3/14/2022	38'	3
Guest Dock	10	3/11/2022	WEBSITE	Confirmed	3/11/2022	3/25/2022	24'	14
Guest Dock	4	3/9/2022	WEBSITE	Confirmed	3/12/2022	3/13/2022	21'	1
Guest Dock	9	3/12/2022	WEBSITE	Confirmed	3/12/2022	3/13/2022	17'	1
Guest Dock	28	3/1/2022	WEBSITE	Confirmed	3/14/2022	3/18/2022	36'	4
Guest Dock	5	3/4/2022	WEBSITE	Confirmed	3/14/2022	3/18/2022	38'	4
Guest Dock	20	3/12/2022	WEBSITE	Confirmed	3/14/2022	3/15/2022	47'	1
Guest Dock	16	3/12/2022	WEBSITE	Confirmed	3/14/2022	3/16/2022	34'	2
Guest Dock	26	3/13/2022	WEBSITE	Confirmed	3/14/2022	3/15/2022	30'	1
Guest Dock	27	3/13/2022	WEBSITE	Confirmed	3/14/2022	3/16/2022	36'	2
Guest Dock	12	3/13/2022	WEBSITE	Confirmed	3/14/2022	3/18/2022	38'	4
Guest Dock	14	3/13/2022	WEBSITE	Confirmed	3/14/2022	3/15/2022		1
Guest Dock	9	3/14/2022	WEBSITE	Confirmed	3/14/2022	3/16/2022	37'	2
Guest Dock	13	3/14/2022	WEBSITE	Confirmed	3/14/2022	3/17/2022	34'	3
Guest Dock	20	3/13/2022	WEBSITE	Confirmed	3/15/2022	3/16/2022	47'	1
Guest Dock	6	3/13/2022	WEBSITE	Confirmed	3/15/2022	3/17/2022	42'	2
Guest Dock	26	3/14/2022	WEBSITE	Confirmed	3/15/2022	3/17/2022	30'	2
Guest Dock	16	3/6/2022	WEBSITE	Confirmed	3/16/2022	3/18/2022		2
Guest Dock	20	3/14/2022	WEBSITE	Confirmed	3/16/2022	3/18/2022	47'	2
Guest Dock	9	3/15/2022	WEBSITE	Confirmed	3/16/2022	3/17/2022	37'	1
Guest Dock	27	3/16/2022	WEBSITE	Confirmed	3/16/2022	3/23/2022	36'	7
Guest Dock	14	3/16/2022	WEBSITE	Confirmed	3/16/2022	3/17/2022	34'	1
Guest Dock	7	3/16/2022	WEBSITE	Confirmed	3/16/2022	3/18/2022	36'	2
Guest Dock	11	3/16/2022	WEBSITE	Confirmed	3/16/2022	3/18/2022	45'	2
Guest Dock	13	3/17/2022	WEBSITE	Confirmed	3/17/2022	3/18/2022	34'	1
Guest Dock	14	3/17/2022	WEBSITE	Confirmed	3/17/2022	3/18/2022	34'	1
Guest Dock	15	3/17/2022	WEBSITE	Confirmed	3/17/2022	3/20/2022	46'	3
Guest Dock	26	3/17/2022	WEBSITE	Confirmed	3/17/2022	3/18/2022	30'	1
Guest Dock	28	3/17/2022	WEBSITE	Confirmed	3/18/2022	3/21/2022	34'	3
Guest Dock	13	3/17/2022	WEBSITE	Confirmed	3/18/2022	3/19/2022	34'	1
Guest Dock	12	3/18/2022	WEBSITE	Confirmed	3/18/2022	3/19/2022	38'	1
Guest Dock	8	3/18/2022	WEBSITE	Confirmed	3/18/2022	3/21/2022	22'	3
Guest Dock	20	3/5/2022	WEBSITE	Confirmed	3/19/2022	3/24/2022	65'	5
Guest Dock	6	3/14/2022	WEBSITE	Confirmed	3/19/2022	3/21/2022	40'	2
Guest Dock	7	3/15/2022	WEBSITE	Confirmed	3/19/2022	3/25/2022	20'	6
Guest Dock	4	3/11/2022	WEBSITE	Confirmed	3/20/2022	3/22/2022	30'	2
Guest Dock	3	3/19/2022	WEBSITE	Confirmed	3/20/2022	3/21/2022	46'	1
Guest Dock	26	3/20/2022	WEBSITE	Confirmed	3/20/2022	3/22/2022		2
Guest Dock	8	3/20/2022	WEBSITE	Confirmed	3/21/2022	3/24/2022	22'	3
Guest Dock	2	3/20/2022	WEBSITE	Confirmed	3/21/2022	3/26/2022	17'	5

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	14	3/20/2022	WEBSITE	Confirmed	3/21/2022	3/23/2022	37'	2
Guest Dock	5	3/20/2022	WEBSITE	Confirmed	3/21/2022	3/23/2022	40'	2
Guest Dock	12	3/20/2022	WEBSITE	Confirmed	3/21/2022	3/22/2022	38'	1
Guest Dock	6	3/20/2022	WEBSITE	Confirmed	3/21/2022	3/22/2022	34'	1
Guest Dock	9	3/20/2022	WEBSITE	Confirmed	3/21/2022	3/22/2022		1
Guest Dock	16	3/21/2022	WEBSITE	Confirmed	3/21/2022	3/22/2022	36'	1
Guest Dock	13	3/21/2022	WEBSITE	Confirmed	3/21/2022	3/22/2022	15'	1
Guest Dock	15	3/21/2022	WEBSITE	Confirmed	3/21/2022	3/24/2022	29'	3
Guest Dock	3	3/21/2022	WEBSITE	Confirmed	3/21/2022	3/22/2022	46'	1
Guest Dock	28	3/21/2022	WEBSITE	Confirmed	3/21/2022	3/22/2022	34'	1
Guest Dock	3	3/16/2022	WEBSITE	Confirmed	3/22/2022	3/23/2022	40'	1
Guest Dock	6	3/16/2022	WEBSITE	Confirmed	3/22/2022	3/24/2022	15'	2
Guest Dock	4	3/17/2022	WEBSITE	Confirmed	3/22/2022	3/23/2022	30'	1
Guest Dock	9	3/19/2022	WEBSITE	Confirmed	3/22/2022	3/24/2022	42'	2
Guest Dock	19	3/20/2022	WEBSITE	Confirmed	3/22/2022	3/24/2022	47'	2
Guest Dock	28	3/21/2022	WEBSITE	Confirmed	3/22/2022	4/6/2022	36'	15
Guest Dock	26	3/21/2022	WEBSITE	Confirmed	3/22/2022	3/24/2022	34'	2
Guest Dock	13	3/21/2022	WEBSITE	Confirmed	3/22/2022	3/27/2022	42'	5
Guest Dock	18	3/22/2022	WEBSITE	Confirmed	3/22/2022	3/23/2022		1
Guest Dock	12	3/22/2022	WEBSITE	Confirmed	3/22/2022	3/23/2022	34'	1
Guest Dock	16	3/22/2022	WEBSITE	Confirmed	3/22/2022	3/23/2022		1
Guest Dock	4	3/16/2022	WEBSITE	Confirmed	3/23/2022	3/24/2022	30'	1
Guest Dock	16	3/17/2022	WEBSITE	Confirmed	3/23/2022	3/25/2022		2
Guest Dock	12	3/19/2022	WEBSITE	Confirmed	3/23/2022	3/24/2022	47'	1
Guest Dock	18	3/22/2022	WEBSITE	Confirmed	3/23/2022	3/24/2022		1
Guest Dock	3	3/23/2022	WEBSITE	Confirmed	3/23/2022	3/24/2022	40'	1
Guest Dock	12	3/21/2022	WEBSITE	Confirmed	3/24/2022	3/30/2022	44'	6
Guest Dock	18	3/24/2022	WEBSITE	Confirmed	3/24/2022	3/25/2022		1
Guest Dock	15	3/24/2022	WEBSITE	Confirmed	3/24/2022	3/25/2022	29'	1
Guest Dock	19	3/24/2022	WEBSITE	Confirmed	3/24/2022	3/25/2022	47'	1
Guest Dock	11	3/16/2022	WEBSITE	Confirmed	3/25/2022	3/26/2022	38'	1
Guest Dock	4	3/19/2022	WEBSITE	Confirmed	3/25/2022	3/26/2022	30'	1
Guest Dock	21	3/22/2022	WEBSITE	Confirmed	3/25/2022	4/4/2022	50'	10
Guest Dock	26	3/23/2022	WEBSITE	Confirmed	3/25/2022	3/27/2022	34'	2
Guest Dock	7	3/23/2022	WEBSITE	Confirmed	3/25/2022	3/27/2022	20'	2
Guest Dock	16	3/25/2022	WEBSITE	Confirmed	3/25/2022	3/27/2022	29'	2
Guest Dock	14	3/22/2022	WEBSITE	Confirmed	3/26/2022	3/28/2022	26'	2
Guest Dock	4	3/23/2022	WEBSITE	Confirmed	3/26/2022	4/1/2022	30'	6
Guest Dock	2	3/24/2022	WEBSITE	Confirmed	3/26/2022	3/28/2022	32'	2
Guest Dock	9	3/25/2022	WEBSITE	Confirmed	3/26/2022	3/27/2022	43'	1
Guest Dock	6	3/26/2022	WEBSITE	Confirmed	3/26/2022	3/28/2022	34'	2
Guest Dock	10	3/26/2022	WEBSITE	Confirmed	3/26/2022	3/28/2022	36'	2
Guest Dock	11	3/26/2022	WEBSITE	Confirmed	3/27/2022	3/30/2022		3
Guest Dock	3	3/26/2022	WEBSITE	Confirmed	3/27/2022	3/29/2022	42'	2
Guest Dock	8	3/27/2022	WEBSITE	Confirmed	3/27/2022	3/28/2022	43'	1
Guest Dock	26	3/27/2022	WEBSITE	Confirmed	3/27/2022	3/28/2022	48'	1
Guest Dock	16	3/17/2022	WEBSITE	Confirmed	3/28/2022	3/30/2022		2
Guest Dock	6	3/24/2022	WEBSITE	Confirmed	3/28/2022	3/30/2022	26'	2
Guest Dock	26	3/26/2022	WEBSITE	Confirmed	3/28/2022	3/30/2022	30'	2
Guest Dock	2	3/27/2022	WEBSITE	Confirmed	3/28/2022	3/29/2022	32'	1
Guest Dock	10	3/27/2022	WEBSITE	Confirmed	3/28/2022	3/30/2022	36'	2
Guest Dock	8	3/27/2022	WEBSITE	Confirmed	3/28/2022	3/29/2022	44'	1
Guest Dock	27	3/27/2022	WEBSITE	Confirmed	3/28/2022	3/31/2022	48'	3
Guest Dock	7	3/27/2022	WEBSITE	Confirmed	3/28/2022	3/29/2022	34'	1
Guest Dock	18	3/29/2022	WEBSITE	Confirmed	3/29/2022	3/30/2022	45'	1
Guest Dock	13	3/29/2022	Moorings	Confirmed	3/29/2022	3/31/2022	34'	2
Guest Dock	11	3/20/2022	WEBSITE	Confirmed	3/30/2022	4/2/2022	43'	3
Guest Dock	12	3/25/2022	WEBSITE	Confirmed	3/30/2022	4/1/2022	44'	2

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	7	3/26/2022	WEBSITE	Confirmed	3/30/2022	3/31/2022	40'	1
Guest Dock	5	3/28/2022	WEBSITE	Confirmed	3/30/2022	3/31/2022	30'	1
Guest Dock	14	3/28/2022	WEBSITE	Confirmed	3/30/2022	4/1/2022	40'	2
Guest Dock	2	3/29/2022	WEBSITE	Confirmed	3/30/2022	4/1/2022	29'	2
Guest Dock	9	3/29/2022	WEBSITE	Confirmed	3/30/2022	4/1/2022	37'	2
Guest Dock	10	3/29/2022	WEBSITE	Confirmed	3/30/2022	4/2/2022	42'	3
Guest Dock	26	3/29/2022	WEBSITE	Confirmed	3/30/2022	3/31/2022	30'	1
Guest Dock	8	3/29/2022	WEBSITE	Confirmed	3/30/2022	3/31/2022	42'	1
Guest Dock	22	3/30/2022	WEBSITE	Confirmed	3/30/2022	4/1/2022	64'	2
Guest Dock	18	3/30/2022	WEBSITE	Confirmed	3/30/2022	3/31/2022		1
Guest Dock	6	3/27/2022	WEBSITE	Confirmed	3/31/2022	4/3/2022	48'	3
Guest Dock	5	3/28/2022	WEBSITE	Confirmed	3/31/2022	4/1/2022	30'	1
Guest Dock	19	3/28/2022	WEBSITE	Confirmed	3/31/2022	4/1/2022	45'	1
Guest Dock	7	3/29/2022	WEBSITE	Confirmed	3/31/2022	4/1/2022	30'	1
Guest Dock	8	3/30/2022	WEBSITE	Confirmed	3/31/2022	4/1/2022	40'	1
Guest Dock	16	3/30/2022	WEBSITE	Confirmed	3/31/2022	4/3/2022	36'	3
Guest Dock	3	3/30/2022	WEBSITE	Confirmed	3/31/2022	4/1/2022	42'	1
Guest Dock	26	3/30/2022	WEBSITE	Confirmed	3/31/2022	4/1/2022	30'	1
Guest Dock	13	3/31/2022	WEBSITE	Confirmed	3/31/2022	4/1/2022	34'	1
Guest Dock	27	3/31/2022	WEBSITE	Confirmed	3/31/2022	4/1/2022	31'	1
Guest Dock	19	3/28/2022	WEBSITE	Confirmed	4/1/2022	4/2/2022	65'	1
Guest Dock	27	3/31/2022	WEBSITE	Confirmed	4/1/2022	4/3/2022		2
Guest Dock	3	4/1/2022	WEBSITE	Confirmed	4/1/2022	4/4/2022	52'	3
Guest Dock	4	4/1/2022	WEBSITE	Confirmed	4/1/2022	4/2/2022	42'	1
Guest Dock	9	4/1/2022	WEBSITE	Confirmed	4/1/2022	4/6/2022	29'	5
Guest Dock	2	4/1/2022	WEBSITE	Confirmed	4/1/2022	4/2/2022	32'	1
Guest Dock	13	3/19/2022	WEBSITE	Confirmed	4/2/2022	4/7/2022	43'	5
Guest Dock	12	3/20/2022	WEBSITE	Confirmed	4/2/2022	4/11/2022	43'	9
Guest Dock	2	3/24/2022	WEBSITE	Confirmed	4/2/2022	4/8/2022	26'	6
Guest Dock	10	3/29/2022	WEBSITE	Confirmed	4/2/2022	4/3/2022	42'	1
Guest Dock	18	4/1/2022	WEBSITE	Confirmed	4/2/2022	4/3/2022	46'	1
Guest Dock	4	4/2/2022	WEBSITE	Confirmed	4/2/2022	4/3/2022	42'	1
Guest Dock	18	3/30/2022	WEBSITE	Confirmed	4/3/2022	4/4/2022	45'	1
Guest Dock	10	4/2/2022	WEBSITE	Confirmed	4/3/2022	4/4/2022	42'	1
Guest Dock	6	4/2/2022	WEBSITE	Confirmed	4/3/2022	4/6/2022	40'	3
Guest Dock	20	4/2/2022	WEBSITE	Confirmed	4/3/2022	4/4/2022	46'	1
Guest Dock	4	4/3/2022	WEBSITE	Confirmed	4/3/2022	4/4/2022	42'	1
Guest Dock	16	3/26/2022	WEBSITE	Confirmed	4/4/2022	4/7/2022		3
Guest Dock	27	3/28/2022	WEBSITE	Confirmed	4/4/2022	4/5/2022	30'	1
Guest Dock	11	3/31/2022	WEBSITE	Confirmed	4/4/2022	4/6/2022	44'	2
Guest Dock	3	4/3/2022	WEBSITE	Confirmed	4/4/2022	4/5/2022	52'	1
Guest Dock	26	4/3/2022	WEBSITE	Confirmed	4/4/2022	4/6/2022	36'	2
Guest Dock	8	4/4/2022	WEBSITE	Confirmed	4/4/2022	4/5/2022	34'	1
Guest Dock	27	3/29/2022	WEBSITE	Confirmed	4/5/2022	4/6/2022	30'	1
Guest Dock	10	4/4/2022	WEBSITE	Confirmed	4/5/2022	4/6/2022	42'	1
Guest Dock	3	4/5/2022	WEBSITE	Confirmed	4/5/2022	4/8/2022	52'	3
Guest Dock	4	4/5/2022	WEBSITE	Confirmed	4/5/2022	4/6/2022	27'	1
Guest Dock	4	4/2/2022	WEBSITE	Confirmed	4/6/2022	4/7/2022	18'	1
Guest Dock	26	4/4/2022	WEBSITE	Confirmed	4/6/2022	4/8/2022	30'	2
Guest Dock	9	4/4/2022	WEBSITE	Confirmed	4/6/2022	4/9/2022	29'	3
Guest Dock	5	4/5/2022	WEBSITE	Confirmed	4/6/2022	4/7/2022	27'	1
Guest Dock	15	4/5/2022	WEBSITE	Confirmed	4/6/2022	4/11/2022	23'	5
Guest Dock	6	4/6/2022	WEBSITE	Confirmed	4/6/2022	4/9/2022	40'	3
Guest Dock	4	3/24/2022	WEBSITE	Confirmed	4/7/2022	4/8/2022	38'	1
Guest Dock	21	3/24/2022	WEBSITE	Confirmed	4/7/2022	4/8/2022		1
Guest Dock	14	4/4/2022	WEBSITE	Confirmed	4/7/2022	4/9/2022	49'	2
Guest Dock	4	3/25/2022	WEBSITE	Confirmed	4/8/2022	4/10/2022	39'	2
Guest Dock	7	4/7/2022	WEBSITE	Confirmed	4/8/2022	4/9/2022	33'	1

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	5	4/8/2022	WEBSITE	Confirmed	4/8/2022	4/9/2022	41'	1
Guest Dock	3	3/28/2022	WEBSITE	Confirmed	4/9/2022	4/10/2022	53'	1
Guest Dock	7	3/29/2022	WEBSITE	Confirmed	4/9/2022	4/11/2022	26'	2
Guest Dock	6	4/7/2022	WEBSITE	Confirmed	4/9/2022	4/11/2022	37'	2
Guest Dock	22	4/7/2022	WEBSITE	Confirmed	4/9/2022	4/10/2022	46'	1
Guest Dock	20	4/8/2022	WEBSITE	Confirmed	4/9/2022	4/13/2022	49'	4
Guest Dock	9	4/8/2022	WEBSITE	Confirmed	4/9/2022	4/12/2022	29'	3
Guest Dock	10	4/9/2022	WEBSITE	Confirmed	4/9/2022	4/12/2022	40'	3
Guest Dock	26	4/2/2022	WEBSITE	Confirmed	4/10/2022	4/12/2022	30'	2
Guest Dock	3	4/7/2022	WEBSITE	Confirmed	4/10/2022	4/14/2022	50'	4
Guest Dock	8	4/7/2022	WEBSITE	Confirmed	4/10/2022	4/23/2022	34'	13
Guest Dock	22	4/10/2022	WEBSITE	Confirmed	4/10/2022	4/13/2022	46'	3
Guest Dock	27	3/28/2022	WEBSITE	Confirmed	4/11/2022	4/15/2022	36'	4
Guest Dock	14	4/7/2022	WEBSITE	Confirmed	4/11/2022	4/13/2022	37'	2
Guest Dock	21	4/8/2022	WEBSITE	Confirmed	4/11/2022	4/14/2022	49'	3
Guest Dock	11	4/9/2022	WEBSITE	Confirmed	4/11/2022	4/15/2022	38'	4
Guest Dock	12	4/10/2022	WEBSITE	Confirmed	4/11/2022	4/13/2022	23'	2
Guest Dock	16	4/2/2022	WEBSITE	Confirmed	4/12/2022	4/15/2022		3
Guest Dock	26	4/3/2022	WEBSITE	Confirmed	4/12/2022	4/13/2022	30'	1
Guest Dock	10	4/9/2022	WEBSITE	Confirmed	4/12/2022	4/16/2022	40'	4
Guest Dock	2	4/10/2022	WEBSITE	Confirmed	4/12/2022	4/14/2022	30'	2
Guest Dock	9	4/12/2022	WEBSITE	Confirmed	4/12/2022	4/13/2022	29'	1
Guest Dock	18	4/3/2022	WEBSITE	Confirmed	4/13/2022	4/14/2022	53'	1
Guest Dock	6	4/8/2022	WEBSITE	Confirmed	4/13/2022	4/15/2022	41'	2
Guest Dock	20	4/10/2022	WEBSITE	Confirmed	4/13/2022	4/14/2022	63'	1
Guest Dock	12	4/10/2022	WEBSITE	Confirmed	4/13/2022	4/16/2022	43'	3
Guest Dock	22	4/10/2022	WEBSITE	Confirmed	4/13/2022	4/14/2022	50'	1
Guest Dock	14	4/10/2022	WEBSITE	Confirmed	4/13/2022	4/16/2022	26'	3
Guest Dock	26	4/11/2022	WEBSITE	Confirmed	4/13/2022	4/15/2022	36'	2
Guest Dock	9	4/13/2022	WEBSITE	Confirmed	4/13/2022	4/15/2022	23'	2
Guest Dock	3	3/31/2022	WEBSITE	Confirmed	4/14/2022	4/17/2022	42'	3
Guest Dock	2	3/31/2022	WEBSITE	Confirmed	4/14/2022	4/18/2022	27'	4
Guest Dock	22	4/13/2022	WEBSITE	Confirmed	4/14/2022	4/19/2022	49'	5
Guest Dock	4	4/2/2022	WEBSITE	Confirmed	4/15/2022	4/17/2022	39'	2
Guest Dock	27	4/3/2022	WEBSITE	Confirmed	4/15/2022	4/21/2022	36'	6
Guest Dock	5	4/7/2022	WEBSITE	Confirmed	4/15/2022	4/17/2022	41'	2
Guest Dock	28	4/14/2022	WEBSITE	Confirmed	4/15/2022	4/18/2022	40'	3
Guest Dock	6	4/14/2022	WEBSITE	Confirmed	4/15/2022	4/16/2022	39'	1
Guest Dock	26	4/5/2022	WEBSITE	Confirmed	4/16/2022	4/17/2022	37'	1
Guest Dock	10	4/12/2022	WEBSITE	Confirmed	4/16/2022	4/18/2022	23'	2
Guest Dock	16	4/15/2022	WEBSITE	Confirmed	4/16/2022	4/19/2022	27'	3
Guest Dock	14	4/15/2022	WEBSITE	Confirmed	4/16/2022	4/17/2022	38'	1
Guest Dock	12	4/15/2022	WEBSITE	Confirmed	4/16/2022	4/18/2022	37'	2
Guest Dock	13	4/16/2022	WEBSITE	Confirmed	4/16/2022	4/18/2022	46'	2
Guest Dock	11	4/16/2022	WEBSITE	Confirmed	4/16/2022	4/17/2022	29'	1
Guest Dock	11	4/6/2022	WEBSITE	Confirmed	4/17/2022	4/21/2022	44'	4
Guest Dock	4	4/12/2022	WEBSITE	Confirmed	4/17/2022	4/18/2022	24'	1
Guest Dock	3	4/4/2022	Moorings	Confirmed	4/18/2022	4/20/2022	48'	2
Guest Dock	2	4/14/2022	WEBSITE	Confirmed	4/18/2022	4/21/2022	32'	3
Guest Dock	7	4/15/2022	WEBSITE	Confirmed	4/18/2022	4/19/2022	23'	1
Guest Dock	26	4/16/2022	WEBSITE	Confirmed	4/18/2022	4/21/2022	36'	3
Guest Dock	5	4/17/2022	WEBSITE	Confirmed	4/18/2022	4/20/2022	45'	2
Guest Dock	14	4/17/2022	WEBSITE	Confirmed	4/18/2022	4/22/2022	38'	4
Guest Dock	6	4/17/2022	WEBSITE	Confirmed	4/18/2022	4/19/2022	41'	1
Guest Dock	12	4/18/2022	WEBSITE	Confirmed	4/18/2022	4/19/2022	34'	1
Guest Dock	16	4/8/2022	WEBSITE	Confirmed	4/19/2022	4/21/2022		2
Guest Dock	20	4/16/2022	WEBSITE	Confirmed	4/19/2022	4/23/2022	49'	4
Guest Dock	15	4/17/2022	WEBSITE	Confirmed	4/19/2022	4/22/2022	27'	3

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	12	4/18/2022	WEBSITE	Confirmed	4/19/2022	4/22/2022	26'	3
Guest Dock	7	4/18/2022	WEBSITE	Confirmed	4/19/2022	4/22/2022		3
Guest Dock	28	4/19/2022	WEBSITE	Confirmed	4/19/2022	4/20/2022	34'	1
Guest Dock	6	4/19/2022	WEBSITE	Confirmed	4/19/2022	4/20/2022	42'	1
Guest Dock	9	4/19/2022	WEBSITE	Confirmed	4/19/2022	4/24/2022	36'	5
Guest Dock	10	4/19/2022	WEBSITE	Confirmed	4/19/2022	4/20/2022	41'	1
Guest Dock	19	4/6/2022	WEBSITE	Confirmed	4/20/2022	4/22/2022	47'	2
Guest Dock	28	4/17/2022	WEBSITE	Confirmed	4/20/2022	4/21/2022	32'	1
Guest Dock	5	4/19/2022	WEBSITE	Confirmed	4/20/2022	4/21/2022	45'	1
Guest Dock	6	4/20/2022	WEBSITE	Confirmed	4/20/2022	4/21/2022	34'	1
Guest Dock	10	4/20/2022	WEBSITE	Confirmed	4/20/2022	4/21/2022	41'	1
Guest Dock	6	4/17/2022	WEBSITE	Confirmed	4/21/2022	4/24/2022	30'	3
Guest Dock	26	4/20/2022	WEBSITE	Confirmed	4/21/2022	4/22/2022	36'	1
Guest Dock	28	4/20/2022	WEBSITE	Confirmed	4/21/2022	4/24/2022	40'	3
Guest Dock	5	4/20/2022	WEBSITE	Confirmed	4/21/2022	4/22/2022	45'	1
Guest Dock	21	4/21/2022	WEBSITE	Confirmed	4/21/2022	4/22/2022	46'	1
Guest Dock	27	4/21/2022	WEBSITE	Confirmed	4/21/2022	4/22/2022	34'	1
Guest Dock	16	4/21/2022	WEBSITE	Confirmed	4/21/2022	4/22/2022	37'	1
Guest Dock	10	4/21/2022	WEBSITE	Confirmed	4/21/2022	4/22/2022	41'	1
Guest Dock	5	4/10/2022	WEBSITE	Confirmed	4/22/2022	4/23/2022	38'	1
Guest Dock	22	4/15/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	52'	3
Guest Dock	16	4/19/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	43'	3
Guest Dock	15	4/20/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	27'	3
Guest Dock	26	4/22/2022	WEBSITE	Confirmed	4/22/2022	4/23/2022		1
Guest Dock	8	4/14/2022	WEBSITE	Confirmed	4/23/2022	4/25/2022	34'	2
Guest Dock	2	4/15/2022	WEBSITE	Confirmed	4/23/2022	4/27/2022	26'	4
Guest Dock	27	4/16/2022	WEBSITE	Confirmed	4/23/2022	4/24/2022	36'	1
Guest Dock	14	4/18/2022	WEBSITE	Confirmed	4/23/2022	4/24/2022	22'	1
Guest Dock	26	4/19/2022	WEBSITE	Confirmed	4/23/2022	4/26/2022	33'	3
Guest Dock	19	4/21/2022	WEBSITE	Confirmed	4/23/2022	4/25/2022	47'	2
Guest Dock	5	4/22/2022	WEBSITE	Confirmed	4/23/2022	4/25/2022	33'	2
Guest Dock	7	4/23/2022	WEBSITE	Confirmed	4/23/2022	4/24/2022	45'	1
Guest Dock	11	4/23/2022	WEBSITE	Confirmed	4/23/2022	4/24/2022	37'	1
Guest Dock	12	4/23/2022	WEBSITE	Confirmed	4/23/2022	4/24/2022	36'	1
Guest Dock	14	4/18/2022	WEBSITE	Confirmed	4/24/2022	4/27/2022	37'	3
Guest Dock	9	4/19/2022	WEBSITE	Confirmed	4/24/2022	4/25/2022	36'	1
Guest Dock	7	4/23/2022	WEBSITE	Confirmed	4/24/2022	4/26/2022	45'	2
Guest Dock	12	4/24/2022	WEBSITE	Confirmed	4/24/2022	4/25/2022	36'	1
Guest Dock	3	4/11/2022	WEBSITE	Confirmed	4/25/2022	4/26/2022	46'	1
Guest Dock	28	4/16/2022	WEBSITE	Confirmed	4/25/2022	4/29/2022	36'	4
Guest Dock	9	4/19/2022	WEBSITE	Confirmed	4/25/2022	4/26/2022	36'	1
Guest Dock	15	4/23/2022	WEBSITE	Confirmed	4/25/2022	4/28/2022	27'	3
Guest Dock	18	4/24/2022	WEBSITE	Confirmed	4/25/2022	4/29/2022	51'	4
Guest Dock	27	4/24/2022	WEBSITE	Confirmed	4/25/2022	4/27/2022	30'	2
Guest Dock	12	4/24/2022	WEBSITE	Confirmed	4/25/2022	4/29/2022	38'	4
Guest Dock	4	4/24/2022	WEBSITE	Confirmed	4/25/2022	4/26/2022	36'	1
Guest Dock	19	4/25/2022	WEBSITE	Confirmed	4/25/2022	4/26/2022	47'	1
Guest Dock	11	4/25/2022	WEBSITE	Confirmed	4/25/2022	5/10/2022	34'	15
Guest Dock	13	4/25/2022	WEBSITE	Confirmed	4/25/2022	4/27/2022	37'	2
Guest Dock	16	4/25/2022	WEBSITE	Confirmed	4/25/2022	4/26/2022	34'	1
Guest Dock	16	4/16/2022	WEBSITE	Confirmed	4/26/2022	4/28/2022		2
Guest Dock	26	4/22/2022	WEBSITE	Confirmed	4/26/2022	4/27/2022		1
Guest Dock	10	4/23/2022	WEBSITE	Confirmed	4/26/2022	4/30/2022	44'	4
Guest Dock	7	4/25/2022	WEBSITE	Confirmed	4/26/2022	4/27/2022	45'	1
Guest Dock	3	4/25/2022	WEBSITE	Confirmed	4/26/2022	4/27/2022	41'	1
Guest Dock	9	4/26/2022	WEBSITE	Confirmed	4/26/2022	4/27/2022	40'	1
Guest Dock	7	4/26/2022	WEBSITE	Confirmed	4/27/2022	4/28/2022	45'	1
Guest Dock	8	4/27/2022	WEBSITE	Confirmed	4/27/2022	4/30/2022	17'	3

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	14	4/27/2022	WEBSITE	Confirmed	4/27/2022	4/28/2022	37'	1
Guest Dock	13	4/27/2022	WEBSITE	Confirmed	4/27/2022	4/30/2022	29'	3
Guest Dock	15	4/26/2022	WEBSITE	Confirmed	4/28/2022	5/1/2022	27'	3
Guest Dock	7	4/27/2022	WEBSITE	Confirmed	4/28/2022	4/29/2022	45'	1
Guest Dock	19	4/28/2022	WEBSITE	Confirmed	4/28/2022	4/29/2022	50'	1
Guest Dock	2	4/26/2022	WEBSITE	Confirmed	4/29/2022	5/2/2022	25'	3
Guest Dock	28	4/28/2022	WEBSITE	Confirmed	4/29/2022	5/7/2022	36'	8
Guest Dock	7	4/28/2022	WEBSITE	Confirmed	4/29/2022	4/30/2022	45'	1
Guest Dock	18	4/29/2022	WEBSITE	Confirmed	4/29/2022	5/1/2022	46'	2
Guest Dock	12	4/29/2022	WEBSITE	Confirmed	4/29/2022	4/30/2022	38'	1
Guest Dock	19	4/29/2022	WEBSITE	Confirmed	4/29/2022	5/1/2022	45'	2
Guest Dock	6	4/29/2022	WEBSITE	Confirmed	4/30/2022	5/4/2022	44'	4
Guest Dock	7	4/29/2022	WEBSITE	Confirmed	4/30/2022	5/2/2022	45'	2
Guest Dock	16	4/30/2022	WEBSITE	Confirmed	4/30/2022	5/3/2022		3
Guest Dock	4	4/30/2022	WEBSITE	Confirmed	4/30/2022	5/2/2022	44'	2
Guest Dock	5	4/30/2022	WEBSITE	Confirmed	4/30/2022	5/2/2022	27'	2
Guest Dock	15	4/29/2022	WEBSITE	Confirmed	5/1/2022	5/4/2022	27'	3
Guest Dock	19	4/30/2022	WEBSITE	Confirmed	5/1/2022	5/5/2022	45'	4
Guest Dock	21	5/1/2022	WEBSITE	Confirmed	5/1/2022	5/2/2022	55'	1
Guest Dock	26	5/1/2022	WEBSITE	Confirmed	5/1/2022	5/3/2022	36'	2
Guest Dock	3	5/1/2022	WEBSITE	Confirmed	5/1/2022	5/7/2022	35'	6
Guest Dock	18	4/26/2022	WEBSITE	Confirmed	5/2/2022	5/11/2022	58'	9
Guest Dock	7	5/1/2022	WEBSITE	Confirmed	5/2/2022	5/3/2022	45'	1
Guest Dock	4	5/2/2022	WEBSITE	Confirmed	5/2/2022	5/4/2022	27'	2
Guest Dock	16	4/24/2022	WEBSITE	Confirmed	5/3/2022	5/5/2022		2
Guest Dock	26	5/3/2022	WEBSITE	Confirmed	5/3/2022	5/4/2022	36'	1
Guest Dock	5	4/23/2022	WEBSITE	Confirmed	5/4/2022	5/6/2022	26'	2
Guest Dock	15	5/3/2022	WEBSITE	Confirmed	5/4/2022	5/7/2022	29'	3
Guest Dock	4	5/4/2022	WEBSITE	Confirmed	5/4/2022	5/5/2022	27'	1
Guest Dock	2	4/25/2022	WEBSITE	Confirmed	5/5/2022	5/8/2022	30'	3
Guest Dock	16	4/28/2022	WEBSITE	Confirmed	5/5/2022	5/6/2022		1
Guest Dock	8	4/29/2022	WEBSITE	Confirmed	5/5/2022	5/8/2022	36'	3
Guest Dock	12	5/2/2022	WEBSITE	Confirmed	5/5/2022	5/6/2022	37'	1
Guest Dock	4	5/2/2022	WEBSITE	Confirmed	5/5/2022	5/6/2022		1
Guest Dock	19	5/5/2022	WEBSITE	Confirmed	5/5/2022	5/14/2022	45'	9
Guest Dock	27	5/5/2022	WEBSITE	Confirmed	5/5/2022	5/6/2022	34'	1
Guest Dock	7	5/5/2022	WEBSITE	Confirmed	5/5/2022	5/6/2022	27'	1
Guest Dock	6	5/5/2022	WEBSITE	Confirmed	5/5/2022	5/6/2022	38'	1
Guest Dock	22	5/5/2022	WEBSITE	Confirmed	5/5/2022	5/10/2022		5
Guest Dock	21	5/5/2022	WEBSITE	Confirmed	5/5/2022	5/10/2022	50'	5
Guest Dock	5	4/23/2022	WEBSITE	Confirmed	5/6/2022	5/9/2022	42'	3
Guest Dock	7	5/6/2022	WEBSITE	Confirmed	5/6/2022	5/7/2022	27'	1
Guest Dock	4	5/3/2022	WEBSITE	Confirmed	5/7/2022	5/8/2022	30'	1
Guest Dock	28	5/5/2022	WEBSITE	Confirmed	5/7/2022	5/14/2022	36'	7
Guest Dock	9	5/6/2022	WEBSITE	Confirmed	5/7/2022	5/9/2022	36'	2
Guest Dock	6	5/6/2022	WEBSITE	Confirmed	5/7/2022	5/8/2022	38'	1
Guest Dock	27	5/7/2022	WEBSITE	Confirmed	5/7/2022	5/8/2022	39'	1
Guest Dock	7	4/27/2022	WEBSITE	Confirmed	5/8/2022	5/9/2022	26'	1
Guest Dock	6	5/4/2022	WEBSITE	Confirmed	5/8/2022	5/12/2022	31'	4
Guest Dock	4	5/8/2022	WEBSITE	Confirmed	5/8/2022	5/10/2022	42'	2
Guest Dock	13	5/2/2022	WEBSITE	Confirmed	5/9/2022	5/12/2022	37'	3
Guest Dock	5	5/5/2022	WEBSITE	Confirmed	5/9/2022	5/13/2022	26'	4
Guest Dock	4	5/10/2022	WEBSITE	Confirmed	5/10/2022	5/11/2022	42'	1
Guest Dock	16	5/2/2022	WEBSITE	Confirmed	5/11/2022	5/13/2022		2
Guest Dock	18	5/7/2022	WEBSITE	Confirmed	5/11/2022	5/26/2022	65'	15
Guest Dock	15	5/10/2022	WEBSITE	Confirmed	5/11/2022	5/14/2022	47'	3
Guest Dock	21	5/11/2022	WEBSITE	Confirmed	5/11/2022	5/13/2022	50'	2
Guest Dock	4	5/9/2022	WEBSITE	Confirmed	5/12/2022	5/13/2022		1

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	26	5/10/2022	WEBSITE	Confirmed	5/12/2022	5/13/2022	36'	1
Guest Dock	6	5/11/2022	WEBSITE	Confirmed	5/12/2022	5/14/2022	31'	2
Guest Dock	14	5/11/2022	WEBSITE	Confirmed	5/12/2022	5/14/2022	43'	2
Guest Dock	13	5/12/2022	WEBSITE	Confirmed	5/12/2022	5/14/2022	26'	2
Guest Dock	10	5/12/2022	WEBSITE	Confirmed	5/12/2022	5/13/2022	34'	1
Guest Dock	11	5/12/2022	WEBSITE	Confirmed	5/12/2022	5/13/2022	37'	1
Guest Dock	8	5/12/2022	WEBSITE	Confirmed	5/12/2022	5/17/2022	30'	5
Guest Dock	16	5/4/2022	WEBSITE	Confirmed	5/13/2022	5/14/2022	36'	1
Guest Dock	3	5/9/2022	WEBSITE	Confirmed	5/13/2022	5/15/2022	50'	2
Guest Dock	2	5/10/2022	WEBSITE	Confirmed	5/13/2022	5/16/2022	25'	3
Guest Dock	10	5/13/2022	WEBSITE	Confirmed	5/13/2022	5/14/2022	34'	1
Guest Dock	10	5/5/2022	WEBSITE	Confirmed	5/14/2022	5/17/2022	34'	3
Guest Dock	11	5/14/2022	WEBSITE	Confirmed	5/14/2022	5/15/2022	34'	1
Guest Dock	9	5/14/2022	WEBSITE	Confirmed	5/14/2022	5/15/2022	18'	1
Guest Dock	16	5/14/2022	WEBSITE	Confirmed	5/14/2022	5/15/2022	27'	1
Guest Dock	13	5/14/2022	WEBSITE	Confirmed	5/14/2022	5/17/2022	37'	3
Guest Dock	22	5/12/2022	WEBSITE	Confirmed	5/15/2022	5/17/2022		2
Guest Dock	11	5/15/2022	WEBSITE	Confirmed	5/15/2022	5/17/2022	42'	2
Guest Dock	16	5/15/2022	WEBSITE	Confirmed	5/15/2022	5/17/2022	47'	2
Guest Dock	9	5/15/2022	WEBSITE	Confirmed	5/15/2022	5/16/2022	34'	1
Guest Dock	4	5/15/2022	WEBSITE	Confirmed	5/15/2022	5/16/2022	27'	1
Guest Dock	26	5/15/2022	WEBSITE	Confirmed	5/15/2022	5/17/2022	30'	2
Guest Dock	4	5/2/2022	WEBSITE	Confirmed	5/16/2022	5/22/2022	26'	6
Guest Dock	7	5/10/2022	WEBSITE	Confirmed	5/16/2022	5/19/2022	26'	3
Guest Dock	20	5/16/2022	WEBSITE	Confirmed	5/16/2022	5/19/2022	56'	3
Guest Dock	9	5/16/2022	WEBSITE	Confirmed	5/16/2022	5/17/2022	34'	1
Guest Dock	3	5/16/2022	WEBSITE	Confirmed	5/16/2022	5/18/2022	41'	2
Guest Dock	6	5/16/2022	WEBSITE	Confirmed	5/16/2022	5/17/2022	27'	1
Guest Dock	10	5/10/2022	WEBSITE	Confirmed	5/17/2022	5/20/2022	34'	3
Guest Dock	16	5/16/2022	WEBSITE	Confirmed	5/17/2022	5/18/2022	47'	1
Guest Dock	8	5/16/2022	WEBSITE	Confirmed	5/17/2022	5/20/2022	30'	3
Guest Dock	11	5/17/2022	WEBSITE	Confirmed	5/17/2022	5/18/2022	42'	1
Guest Dock	15	5/17/2022	WEBSITE	Confirmed	5/17/2022	5/19/2022	37'	2
Guest Dock	14	5/17/2022	WEBSITE	Confirmed	5/17/2022	5/27/2022	27'	10
Guest Dock	28	5/17/2022	WEBSITE	Confirmed	5/17/2022	5/18/2022	34'	1
Guest Dock	5	5/9/2022	WEBSITE	Confirmed	5/18/2022	5/20/2022	30'	2
Guest Dock	16	5/10/2022	WEBSITE	Confirmed	5/18/2022	5/20/2022		2
Guest Dock	2	5/11/2022	WEBSITE	Confirmed	5/18/2022	6/2/2022	29'	15
Guest Dock	3	5/17/2022	WEBSITE	Confirmed	5/18/2022	5/19/2022	41'	1
Guest Dock	28	5/17/2022	WEBSITE	Confirmed	5/18/2022	5/19/2022	34'	1
Guest Dock	19	5/18/2022	WEBSITE	Confirmed	5/18/2022	5/19/2022	47'	1
Guest Dock	7	5/15/2022	WEBSITE	Confirmed	5/19/2022	5/20/2022	26'	1
Guest Dock	19	5/18/2022	WEBSITE	Confirmed	5/19/2022	5/24/2022	56'	5
Guest Dock	6	5/18/2022	WEBSITE	Confirmed	5/19/2022	5/20/2022		1
Guest Dock	3	5/19/2022	WEBSITE	Confirmed	5/19/2022	5/20/2022	41'	1
Guest Dock	28	5/19/2022	WEBSITE	Confirmed	5/19/2022	5/20/2022	34'	1
Guest Dock	15	5/19/2022	WEBSITE	Confirmed	5/19/2022	5/20/2022	37'	1
Guest Dock	26	5/19/2022	WEBSITE	Confirmed	5/19/2022	5/20/2022	36'	1
Guest Dock	20	5/19/2022	WEBSITE	Confirmed	5/19/2022	5/20/2022	47'	1
Guest Dock	11	5/19/2022	WEBSITE	Confirmed	5/19/2022	5/20/2022	37'	1
Guest Dock	11	5/6/2022	WEBSITE	Confirmed	5/20/2022	5/21/2022	44'	1
Guest Dock	5	5/13/2022	WEBSITE	Confirmed	5/20/2022	5/21/2022	30'	1
Guest Dock	16	5/18/2022	WEBSITE	Confirmed	5/20/2022	5/21/2022	47'	1
Guest Dock	3	5/18/2022	Moorings	Confirmed	5/20/2022	5/22/2022	41'	2
Guest Dock	8	5/20/2022	WEBSITE	Confirmed	5/20/2022	5/21/2022	30'	1
Guest Dock	12	5/20/2022	WEBSITE	Confirmed	5/20/2022	5/21/2022	47'	1
Guest Dock	28	5/20/2022	WEBSITE	Confirmed	5/20/2022	5/23/2022	36'	3
Guest Dock	21	5/11/2022	WEBSITE	Confirmed	5/21/2022	5/22/2022	58'	1

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	20	5/11/2022	WEBSITE	Confirmed	5/21/2022	5/22/2022	46'	1
Guest Dock	5	5/16/2022	WEBSITE	Confirmed	5/21/2022	5/23/2022	30'	2
Guest Dock	11	5/19/2022	WEBSITE	Confirmed	5/21/2022	5/24/2022	44'	3
Guest Dock	8	5/20/2022	WEBSITE	Confirmed	5/21/2022	5/22/2022	30'	1
Guest Dock	16	5/21/2022	WEBSITE	Confirmed	5/21/2022	5/23/2022	47'	2
Guest Dock	22	5/21/2022	WEBSITE	Confirmed	5/21/2022	5/24/2022	53'	3
Guest Dock	10	5/10/2022	WEBSITE	Confirmed	5/22/2022	5/25/2022	36'	3
Guest Dock	4	5/13/2022	WEBSITE	Confirmed	5/22/2022	5/24/2022	26'	2
Guest Dock	9	5/20/2022	WEBSITE	Confirmed	5/22/2022	5/25/2022	17'	3
Guest Dock	26	5/21/2022	WEBSITE	Confirmed	5/22/2022	5/24/2022	38'	2
Guest Dock	27	5/22/2022	WEBSITE	Confirmed	5/22/2022	5/29/2022		7
Guest Dock	12	5/14/2022	WEBSITE	Confirmed	5/23/2022	5/25/2022	37'	2
Guest Dock	7	5/18/2022	WEBSITE	Confirmed	5/23/2022	5/26/2022	26'	3
Guest Dock	6	5/21/2022	WEBSITE	Confirmed	5/23/2022	5/24/2022	30'	1
Guest Dock	8	5/23/2022	WEBSITE	Confirmed	5/23/2022	5/26/2022		3
Guest Dock	13	5/23/2022	WEBSITE	Confirmed	5/23/2022	5/24/2022	36'	1
Guest Dock	16	5/23/2022	WEBSITE	Confirmed	5/23/2022	5/24/2022	34'	1
Guest Dock	11	5/17/2022	WEBSITE	Confirmed	5/24/2022	5/27/2022	44'	3
Guest Dock	19	5/17/2022	WEBSITE	Confirmed	5/24/2022	5/25/2022	65'	1
Guest Dock	4	5/21/2022	WEBSITE	Confirmed	5/24/2022	5/27/2022	22'	3
Guest Dock	6	5/22/2022	WEBSITE	Confirmed	5/24/2022	5/27/2022	37'	3
Guest Dock	21	5/23/2022	WEBSITE	Confirmed	5/24/2022	5/27/2022	56'	3
Guest Dock	13	5/24/2022	WEBSITE	Confirmed	5/24/2022	5/25/2022	36'	1
Guest Dock	22	5/24/2022	WEBSITE	Confirmed	5/24/2022	5/27/2022	53'	3
Guest Dock	20	5/24/2022	WEBSITE	Confirmed	5/24/2022	5/25/2022	65'	1
Guest Dock	3	5/24/2022	WEBSITE	Confirmed	5/24/2022	5/29/2022	36'	5
Guest Dock	16	5/24/2022	WEBSITE	Confirmed	5/24/2022	5/25/2022	47'	1
Guest Dock	10	5/12/2022	WEBSITE	Confirmed	5/25/2022	5/26/2022	36'	1
Guest Dock	19	5/18/2022	WEBSITE	Confirmed	5/25/2022	5/26/2022	47'	1
Guest Dock	16	5/20/2022	WEBSITE	Confirmed	5/25/2022	5/27/2022		2
Guest Dock	26	5/23/2022	WEBSITE	Confirmed	5/25/2022	5/27/2022	40'	2
Guest Dock	9	5/24/2022	WEBSITE	Confirmed	5/25/2022	5/26/2022	17'	1
Guest Dock	28	5/24/2022	WEBSITE	Confirmed	5/25/2022	5/26/2022	39'	1
Guest Dock	13	5/25/2022	WEBSITE	Confirmed	5/25/2022	5/26/2022	36'	1
Guest Dock	12	5/25/2022	WEBSITE	Confirmed	5/25/2022	5/27/2022	26'	2
Guest Dock	18	5/18/2022	WEBSITE	Confirmed	5/26/2022	5/27/2022	47'	1
Guest Dock	15	5/20/2022	WEBSITE	Confirmed	5/26/2022	5/30/2022	22'	4
Guest Dock	28	5/20/2022	WEBSITE	Confirmed	5/26/2022	5/30/2022	32'	4
Guest Dock	5	5/23/2022	WEBSITE	Confirmed	5/26/2022	5/27/2022	29'	1
Guest Dock	8	5/23/2022	WEBSITE	Confirmed	5/26/2022	5/27/2022		1
Guest Dock	7	5/23/2022	WEBSITE	Confirmed	5/26/2022	5/27/2022	26'	1
Guest Dock	13	5/26/2022	WEBSITE	Confirmed	5/26/2022	5/27/2022	36'	1
Guest Dock	19	5/26/2022	WEBSITE	Confirmed	5/26/2022	5/27/2022	46'	1
Guest Dock	9	5/26/2022	WEBSITE	Confirmed	5/26/2022	5/27/2022	29'	1
Guest Dock	10	5/26/2022	WEBSITE	Confirmed	5/26/2022	5/27/2022	23'	1
Guest Dock	8	5/14/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	25'	3
Guest Dock	16	5/16/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	23'	3
Guest Dock	5	5/17/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	22'	3
Guest Dock	7	5/17/2022	WEBSITE	Confirmed	5/27/2022	5/29/2022	27'	2
Guest Dock	18	5/22/2022	WEBSITE	Confirmed	5/27/2022	5/29/2022	50'	2
Guest Dock	10	5/22/2022	WEBSITE	Confirmed	5/27/2022	6/6/2022		10
Guest Dock	13	5/23/2022	Moorings	Confirmed	5/27/2022	5/30/2022	38'	3
Guest Dock	11	5/23/2022	Moorings	Confirmed	5/27/2022	6/6/2022	24'	10
Guest Dock	4	5/24/2022	WEBSITE	Confirmed	5/27/2022	5/28/2022	38'	1
Guest Dock	6	5/26/2022	WEBSITE	Confirmed	5/27/2022	5/28/2022	40'	1
Guest Dock	21	5/26/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	50'	3
Guest Dock	12	5/27/2022	WEBSITE	Confirmed	5/27/2022	5/28/2022	29'	1
Guest Dock	14	5/27/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	37'	3

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	22	5/27/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	53'	3
Guest Dock	4	5/16/2022	WEBSITE	Confirmed	5/28/2022	5/30/2022	24'	2
Guest Dock	6	5/18/2022	WEBSITE	Confirmed	5/28/2022	5/30/2022	39'	2
Guest Dock	20	5/20/2022	WEBSITE	Confirmed	5/28/2022	5/30/2022	58'	2
Guest Dock	12	5/20/2022	WEBSITE	Confirmed	5/28/2022	5/29/2022	46'	1
Guest Dock	9	5/25/2022	WEBSITE	Confirmed	5/28/2022	5/29/2022	24'	1
Guest Dock	27	5/27/2022	WEBSITE	Confirmed	5/29/2022	6/3/2022		5
Guest Dock	9	5/28/2022	WEBSITE	Confirmed	5/29/2022	5/31/2022	30'	2
Guest Dock	5	5/16/2022	WEBSITE	Confirmed	5/30/2022	6/2/2022	19'	3
Guest Dock	20	5/20/2022	WEBSITE	Confirmed	5/30/2022	6/3/2022	58'	4
Guest Dock	22	5/26/2022	WEBSITE	Confirmed	5/30/2022	6/3/2022	64'	4
Guest Dock	28	5/27/2022	WEBSITE	Confirmed	5/30/2022	5/31/2022	32'	1
Guest Dock	6	5/27/2022	WEBSITE	Confirmed	5/30/2022	6/4/2022	37'	5
Guest Dock	21	5/30/2022	WEBSITE	Confirmed	5/30/2022	6/2/2022	53'	3
Guest Dock	26	5/30/2022	WEBSITE	Confirmed	5/30/2022	6/3/2022	34'	4
Guest Dock	8	5/31/2022	Moorings	Confirmed	5/30/2022	6/1/2022	40'	2
Guest Dock	7	5/25/2022	WEBSITE	Confirmed	5/31/2022	6/1/2022	26'	1
Guest Dock	16	5/25/2022	WEBSITE	Confirmed	5/31/2022	6/2/2022		2
Guest Dock	15	5/26/2022	WEBSITE	Confirmed	5/31/2022	6/3/2022	44'	3
Guest Dock	14	5/30/2022	WEBSITE	Confirmed	5/31/2022	6/1/2022	42'	1
Guest Dock	19	5/31/2022	WEBSITE	Confirmed	5/31/2022	6/3/2022	46'	3
Guest Dock	28	5/31/2022	WEBSITE	Confirmed	5/31/2022	6/3/2022	37'	3
Guest Dock	9	5/30/2022	WEBSITE	Confirmed	6/1/2022	6/4/2022	40'	3
Guest Dock	14	5/31/2022	WEBSITE	Confirmed	6/1/2022	6/2/2022	24'	1
Guest Dock	18	6/1/2022	WEBSITE	Confirmed	6/1/2022	6/2/2022	45'	1
Guest Dock	13	6/1/2022	WEBSITE	Confirmed	6/1/2022	6/2/2022	48'	1
Guest Dock	13	5/20/2022	WEBSITE	Confirmed	6/2/2022	6/13/2022	25'	11
Guest Dock	14	5/22/2022	WEBSITE	Confirmed	6/2/2022	6/8/2022	46'	6
Guest Dock	16	5/26/2022	WEBSITE	Confirmed	6/2/2022	6/3/2022		1
Guest Dock	8	5/28/2022	WEBSITE	Confirmed	6/2/2022	6/5/2022	20'	3
Guest Dock	7	5/30/2022	WEBSITE	Confirmed	6/2/2022	6/5/2022	24'	3
Guest Dock	2	5/31/2022	WEBSITE	Confirmed	6/2/2022	6/6/2022	32'	4
Guest Dock	4	6/1/2022	WEBSITE	Confirmed	6/2/2022	6/3/2022	45'	1
Guest Dock	5	6/2/2022	WEBSITE	Confirmed	6/2/2022	6/3/2022	29'	1
Guest Dock	4	5/20/2022	WEBSITE	Confirmed	6/3/2022	6/5/2022	26'	2
Guest Dock	5	6/1/2022	WEBSITE	Confirmed	6/3/2022	6/4/2022	19'	1
Guest Dock	21	6/2/2022	WEBSITE	Confirmed	6/3/2022	6/6/2022	46'	3
Guest Dock	28	6/2/2022	WEBSITE	Confirmed	6/3/2022	6/4/2022	36'	1
Guest Dock	26	6/2/2022	WEBSITE	Confirmed	6/3/2022	6/5/2022	30'	2
Guest Dock	27	6/2/2022	WEBSITE	Confirmed	6/3/2022	6/5/2022		2
Guest Dock	12	6/3/2022	WEBSITE	Confirmed	6/3/2022	6/6/2022	31'	3
Guest Dock	15	6/3/2022	WEBSITE	Confirmed	6/3/2022	6/6/2022	29'	3
Guest Dock	18	6/3/2022	WEBSITE	Confirmed	6/3/2022	6/8/2022	50'	5
Guest Dock	9	6/4/2022	WEBSITE	Confirmed	6/4/2022	6/9/2022	37'	5
Guest Dock	3	6/4/2022	WEBSITE	Confirmed	6/4/2022	6/7/2022	57'	3
Guest Dock	27	5/30/2022	WEBSITE	Confirmed	6/5/2022	6/11/2022	39'	6
Guest Dock	19	5/31/2022	WEBSITE	Confirmed	6/5/2022	6/10/2022	45'	5
Guest Dock	26	6/2/2022	WEBSITE	Confirmed	6/5/2022	6/6/2022		1
Guest Dock	7	6/3/2022	WEBSITE	Confirmed	6/5/2022	6/9/2022	36'	4
Guest Dock	28	6/4/2022	WEBSITE	Confirmed	6/5/2022	6/10/2022	30'	5
Guest Dock	12	5/31/2022	WEBSITE	Confirmed	6/6/2022	6/8/2022	37'	2
Guest Dock	6	6/2/2022	WEBSITE	Confirmed	6/6/2022	6/8/2022	30'	2
Guest Dock	10	6/2/2022	WEBSITE	Confirmed	6/6/2022	6/11/2022		5
Guest Dock	26	6/2/2022	WEBSITE	Confirmed	6/6/2022	6/8/2022		2
Guest Dock	5	6/2/2022	WEBSITE	Confirmed	6/6/2022	6/7/2022	29'	1
Guest Dock	15	6/5/2022	WEBSITE	Confirmed	6/6/2022	6/9/2022	29'	3
Guest Dock	22	6/6/2022	WEBSITE	Confirmed	6/6/2022	6/21/2022	58'	15
Guest Dock	3	5/30/2022	WEBSITE	Confirmed	6/7/2022	6/14/2022	40'	7

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	8	6/6/2022	WEBSITE	Confirmed	6/7/2022	6/10/2022	36'	3
Guest Dock	4	5/26/2022	WEBSITE	Confirmed	6/9/2022	6/10/2022	36'	1
Guest Dock	7	5/27/2022	WEBSITE	Confirmed	6/9/2022	6/10/2022	26'	1
Guest Dock	26	6/4/2022	WEBSITE	Confirmed	6/9/2022	6/11/2022	30'	2
Guest Dock	11	6/6/2022	WEBSITE	Confirmed	6/9/2022	6/11/2022	38'	2
Guest Dock	9	6/7/2022	WEBSITE	Confirmed	6/9/2022	6/13/2022	30'	4
Guest Dock	2	6/7/2022	WEBSITE	Confirmed	6/9/2022	6/11/2022	25'	2
Guest Dock	6	6/8/2022	WEBSITE	Confirmed	6/9/2022	6/12/2022	31'	3
Guest Dock	12	6/8/2022	WEBSITE	Confirmed	6/9/2022	6/13/2022	37'	4
Guest Dock	14	6/8/2022	WEBSITE	Confirmed	6/9/2022	6/10/2022	36'	1
Guest Dock	15	6/9/2022	WEBSITE	Confirmed	6/9/2022	6/12/2022		3
Guest Dock	7	6/1/2022	WEBSITE	Confirmed	6/11/2022	6/13/2022	38'	2
Guest Dock	19	6/6/2022	WEBSITE	Confirmed	6/11/2022	6/15/2022	45'	4
Guest Dock	27	6/8/2022	WEBSITE	Confirmed	6/11/2022	6/13/2022	30'	2
Guest Dock	2	6/10/2022	WEBSITE	Confirmed	6/11/2022	6/12/2022	25'	1
Guest Dock	26	6/10/2022	WEBSITE	Confirmed	6/11/2022	6/18/2022	39'	7
Guest Dock	8	6/10/2022	WEBSITE	Confirmed	6/11/2022	6/15/2022	28'	4
Guest Dock	10	6/10/2022	WEBSITE	Confirmed	6/11/2022	6/14/2022	38'	3
Guest Dock	2	5/31/2022	WEBSITE	Confirmed	6/12/2022	6/15/2022	27'	3
Guest Dock	15	6/9/2022	WEBSITE	Confirmed	6/12/2022	6/13/2022		1
Guest Dock	4	6/11/2022	WEBSITE	Confirmed	6/12/2022	6/13/2022	32'	1
Guest Dock	11	6/4/2022	WEBSITE	Confirmed	6/13/2022	6/18/2022	44'	5
Guest Dock	16	6/5/2022	WEBSITE	Confirmed	6/13/2022	6/15/2022		2
Guest Dock	18	6/8/2022	WEBSITE	Confirmed	6/13/2022	6/18/2022	64'	5
Guest Dock	27	6/10/2022	WEBSITE	Confirmed	6/13/2022	6/14/2022	30'	1
Guest Dock	20	6/11/2022	WEBSITE	Confirmed	6/13/2022	6/14/2022	46'	1
Guest Dock	15	6/12/2022	WEBSITE	Confirmed	6/13/2022	6/15/2022	30'	2
Guest Dock	4	6/12/2022	WEBSITE	Confirmed	6/13/2022	6/14/2022	29'	1
Guest Dock	7	6/13/2022	WEBSITE	Confirmed	6/13/2022	6/14/2022		1
Guest Dock	9	6/13/2022	WEBSITE	Confirmed	6/13/2022	6/14/2022	36'	1
Guest Dock	12	6/13/2022	WEBSITE	Confirmed	6/13/2022	6/14/2022	45'	1
Guest Dock	28	6/13/2022	WEBSITE	Confirmed	6/13/2022	6/14/2022	34'	1
Guest Dock	4	6/2/2022	WEBSITE	Confirmed	6/14/2022	6/17/2022	30'	3
Guest Dock	20	6/10/2022	WEBSITE	Confirmed	6/14/2022	6/16/2022	61'	2
Guest Dock	10	6/13/2022	WEBSITE	Confirmed	6/14/2022	6/15/2022	38'	1
Guest Dock	3	6/13/2022	WEBSITE	Confirmed	6/14/2022	6/16/2022	56'	2
Guest Dock	28	6/13/2022	WEBSITE	Confirmed	6/14/2022	6/15/2022	40'	1
Guest Dock	5	6/13/2022	WEBSITE	Confirmed	6/14/2022	6/15/2022	29'	1
Guest Dock	7	6/14/2022	WEBSITE	Confirmed	6/14/2022	6/15/2022		1
Guest Dock	12	6/14/2022	WEBSITE	Confirmed	6/14/2022	6/15/2022	45'	1
Guest Dock	9	6/14/2022	WEBSITE	Confirmed	6/14/2022	6/15/2022	36'	1
Guest Dock	7	6/8/2022	WEBSITE	Confirmed	6/15/2022	6/18/2022	18'	3
Guest Dock	9	6/10/2022	WEBSITE	Confirmed	6/15/2022	6/20/2022	17'	5
Guest Dock	12	6/13/2022	WEBSITE	Confirmed	6/15/2022	6/18/2022	44'	3
Guest Dock	10	6/14/2022	WEBSITE	Confirmed	6/15/2022	6/16/2022	38'	1
Guest Dock	5	6/14/2022	WEBSITE	Confirmed	6/15/2022	6/17/2022	23'	2
Guest Dock	8	6/14/2022	WEBSITE	Confirmed	6/15/2022	6/16/2022		1
Guest Dock	2	6/14/2022	WEBSITE	Confirmed	6/15/2022	6/17/2022	30'	2
Guest Dock	16	6/14/2022	WEBSITE	Confirmed	6/15/2022	6/16/2022	29'	1
Guest Dock	28	6/14/2022	WEBSITE	Confirmed	6/15/2022	6/17/2022	36'	2
Guest Dock	19	6/15/2022	WEBSITE	Confirmed	6/15/2022	6/16/2022		1
Guest Dock	27	6/15/2022	WEBSITE	Confirmed	6/15/2022	6/16/2022	36'	1
Guest Dock	21	6/15/2022	WEBSITE	Confirmed	6/15/2022	6/16/2022	45'	1
Guest Dock	20	6/2/2022	WEBSITE	Confirmed	6/16/2022	6/20/2022	45'	4
Guest Dock	3	6/2/2022	WEBSITE	Confirmed	6/16/2022	6/19/2022	51'	3
Guest Dock	13	6/10/2022	WEBSITE	Confirmed	6/16/2022	7/1/2022	38'	15
Guest Dock	10	6/15/2022	WEBSITE	Confirmed	6/16/2022	6/17/2022	38'	1
Guest Dock	19	6/15/2022	WEBSITE	Confirmed	6/16/2022	6/17/2022	56'	1

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	14	6/15/2022	WEBSITE	Confirmed	6/16/2022	6/17/2022	29'	1
Guest Dock	21	6/16/2022	WEBSITE	Confirmed	6/16/2022	6/17/2022		1
Guest Dock	27	6/16/2022	WEBSITE	Confirmed	6/16/2022	6/17/2022	27'	1
Guest Dock	2	6/3/2022	WEBSITE	Confirmed	6/17/2022	6/26/2022	35'	9
Guest Dock	6	6/8/2022	WEBSITE	Confirmed	6/17/2022	6/22/2022	25'	5
Guest Dock	4	6/12/2022	WEBSITE	Confirmed	6/17/2022	6/20/2022	35'	3
Guest Dock	14	6/13/2022	WEBSITE	Confirmed	6/17/2022	6/19/2022	40'	2
Guest Dock	27	6/16/2022	WEBSITE	Confirmed	6/17/2022	6/18/2022	37'	1
Guest Dock	10	6/16/2022	WEBSITE	Confirmed	6/17/2022	7/1/2022	27'	14
Guest Dock	21	6/17/2022	WEBSITE	Confirmed	6/17/2022	6/18/2022		1
Guest Dock	19	6/17/2022	WEBSITE	Confirmed	6/17/2022	6/20/2022	53'	3
Guest Dock	21	6/5/2022	WEBSITE	Confirmed	6/18/2022	6/19/2022	46'	1
Guest Dock	7	6/16/2022	WEBSITE	Confirmed	6/18/2022	6/19/2022	40'	1
Guest Dock	8	6/16/2022	WEBSITE	Confirmed	6/18/2022	6/19/2022	15'	1
Guest Dock	15	6/16/2022	WEBSITE	Confirmed	6/18/2022	6/19/2022	29'	1
Guest Dock	26	6/18/2022	WEBSITE	Confirmed	6/18/2022	6/19/2022		1
Guest Dock	5	6/18/2022	WEBSITE	Confirmed	6/18/2022	6/19/2022	27'	1
Guest Dock	27	6/18/2022	WEBSITE	Confirmed	6/18/2022	6/19/2022	36'	1
Guest Dock	3	6/8/2022	WEBSITE	Confirmed	6/19/2022	7/4/2022	58'	15
Guest Dock	8	6/16/2022	WEBSITE	Confirmed	6/19/2022	6/20/2022	15'	1
Guest Dock	12	6/17/2022	WEBSITE	Confirmed	6/19/2022	6/21/2022	40'	2
Guest Dock	26	6/19/2022	WEBSITE	Confirmed	6/19/2022	6/20/2022		1
Guest Dock	15	6/19/2022	WEBSITE	Confirmed	6/19/2022	6/20/2022	29'	1
Guest Dock	27	6/19/2022	WEBSITE	Confirmed	6/19/2022	6/20/2022	36'	1
Guest Dock	5	6/19/2022	WEBSITE	Confirmed	6/19/2022	6/20/2022	27'	1
Guest Dock	16	6/6/2022	WEBSITE	Confirmed	6/20/2022	6/23/2022		3
Guest Dock	4	6/6/2022	WEBSITE	Confirmed	6/20/2022	6/27/2022	24'	7
Guest Dock	7	6/16/2022	WEBSITE	Confirmed	6/20/2022	6/23/2022	18'	3
Guest Dock	27	6/17/2022	WEBSITE	Confirmed	6/20/2022	6/23/2022	39'	3
Guest Dock	26	6/19/2022	WEBSITE	Confirmed	6/20/2022	6/21/2022	30'	1
Guest Dock	14	6/19/2022	Moorings	Confirmed	6/20/2022	6/23/2022	45'	3
Guest Dock	11	6/19/2022	WEBSITE	Confirmed	6/20/2022	6/22/2022	38'	2
Guest Dock	15	6/20/2022	WEBSITE	Confirmed	6/20/2022	6/21/2022	29'	1
Guest Dock	28	6/20/2022	WEBSITE	Confirmed	6/20/2022	6/21/2022	36'	1
Guest Dock	5	6/20/2022	WEBSITE	Confirmed	6/20/2022	6/21/2022		1
Guest Dock	9	6/20/2022	WEBSITE	Confirmed	6/20/2022	6/21/2022	27'	1
Guest Dock	5	6/7/2022	WEBSITE	Confirmed	6/21/2022	6/26/2022	23'	5
Guest Dock	26	6/19/2022	WEBSITE	Confirmed	6/21/2022	6/22/2022	37'	1
Guest Dock	8	6/20/2022	WEBSITE	Confirmed	6/21/2022	6/24/2022	36'	3
Guest Dock	15	6/21/2022	WEBSITE	Confirmed	6/21/2022	6/23/2022	29'	2
Guest Dock	20	6/21/2022	WEBSITE	Confirmed	6/21/2022	6/22/2022	50'	1
Guest Dock	9	6/21/2022	WEBSITE	Confirmed	6/21/2022	6/22/2022	27'	1
Guest Dock	28	6/22/2022	WEBSITE	Confirmed	6/22/2022	6/23/2022	37'	1
Guest Dock	9	6/22/2022	WEBSITE	Confirmed	6/22/2022	6/23/2022	27'	1
Guest Dock	16	6/9/2022	WEBSITE	Confirmed	6/23/2022	6/24/2022		1
Guest Dock	9	6/18/2022	WEBSITE	Confirmed	6/23/2022	6/27/2022	30'	4
Guest Dock	14	6/20/2022	WEBSITE	Confirmed	6/23/2022	6/24/2022	40'	1
Guest Dock	27	6/20/2022	WEBSITE	Confirmed	6/23/2022	6/25/2022	39'	2
Guest Dock	11	6/22/2022	WEBSITE	Confirmed	6/23/2022	6/24/2022	29'	1
Guest Dock	7	6/22/2022	WEBSITE	Confirmed	6/23/2022	7/1/2022	40'	8
Guest Dock	11	6/10/2022	WEBSITE	Confirmed	6/24/2022	6/26/2022	26'	2
Guest Dock	6	6/19/2022	WEBSITE	Confirmed	6/24/2022	6/27/2022	25'	3
Guest Dock	20	6/21/2022	WEBSITE	Confirmed	6/24/2022	6/25/2022	50'	1
Guest Dock	14	6/22/2022	WEBSITE	Confirmed	6/24/2022	6/28/2022	31'	4
Guest Dock	12	6/23/2022	WEBSITE	Confirmed	6/24/2022	6/25/2022	29'	1
Guest Dock	18	6/24/2022	WEBSITE	Confirmed	6/24/2022	6/26/2022	47'	2
Guest Dock	8	6/24/2022	WEBSITE	Confirmed	6/24/2022	6/25/2022	30'	1
Guest Dock	28	6/24/2022	WEBSITE	Confirmed	6/24/2022	6/25/2022	40'	1

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	8	6/15/2022	WEBSITE	Confirmed	6/25/2022	6/26/2022	22'	1
Guest Dock	27	6/21/2022	WEBSITE	Confirmed	6/25/2022	6/26/2022	37'	1
Guest Dock	28	6/22/2022	WEBSITE	Confirmed	6/25/2022	6/27/2022	30'	2
Guest Dock	5	6/20/2022	WEBSITE	Confirmed	6/26/2022	6/29/2022	20'	3
Guest Dock	8	6/24/2022	WEBSITE	Confirmed	6/26/2022	7/1/2022	27'	5
Guest Dock	12	6/25/2022	WEBSITE	Confirmed	6/26/2022	7/1/2022	35'	5
Guest Dock	18	6/25/2022	WEBSITE	Confirmed	6/26/2022	6/27/2022	47'	1
Guest Dock	26	6/26/2022	WEBSITE	Confirmed	6/26/2022	6/27/2022	30'	1
Guest Dock	16	6/16/2022	WEBSITE	Confirmed	6/27/2022	7/1/2022	34'	4
Guest Dock	11	6/20/2022	WEBSITE	Confirmed	6/27/2022	7/5/2022	30'	8
Guest Dock	26	6/22/2022	WEBSITE	Confirmed	6/27/2022	6/28/2022	36'	1
Guest Dock	4	6/23/2022	WEBSITE	Confirmed	6/27/2022	6/28/2022	36'	1
Guest Dock	28	6/23/2022	WEBSITE	Confirmed	6/27/2022	6/28/2022	30'	1
Guest Dock	6	6/26/2022	WEBSITE	Confirmed	6/27/2022	6/30/2022	30'	3
Guest Dock	9	6/27/2022	WEBSITE	Confirmed	6/27/2022	6/30/2022	31'	3
Guest Dock	2	6/27/2022	WEBSITE	Confirmed	6/27/2022	6/29/2022	27'	2
Guest Dock	26	6/18/2022	WEBSITE	Confirmed	6/28/2022	6/29/2022	36'	1
Guest Dock	14	6/22/2022	WEBSITE	Confirmed	6/28/2022	7/1/2022	31'	3
Guest Dock	20	6/27/2022	WEBSITE	Confirmed	6/28/2022	7/2/2022	48'	4
Guest Dock	18	6/15/2022	WEBSITE	Confirmed	6/29/2022	7/5/2022	50'	6
Guest Dock	22	6/17/2022	WEBSITE	Confirmed	6/29/2022	7/1/2022	55'	2
Guest Dock	26	6/18/2022	WEBSITE	Confirmed	6/29/2022	6/30/2022		1
Guest Dock	28	6/21/2022	Moorings	Confirmed	6/29/2022	7/4/2022	18'	5
Guest Dock	27	6/21/2022	WEBSITE	Confirmed	6/29/2022	7/2/2022	39'	3
Guest Dock	5	6/27/2022	WEBSITE	Confirmed	6/29/2022	7/1/2022	38'	2
Guest Dock	4	6/15/2022	WEBSITE	Confirmed	6/30/2022	7/5/2022	41'	5
Guest Dock	2	6/16/2022	WEBSITE	Confirmed	6/30/2022	7/5/2022	24'	5
Guest Dock	9	6/19/2022	WEBSITE	Confirmed	6/30/2022	7/4/2022	34'	4
Guest Dock	21	6/21/2022	WEBSITE	Confirmed	6/30/2022	7/5/2022	46'	5
Guest Dock	15	6/24/2022	WEBSITE	Confirmed	6/30/2022	7/1/2022	42'	1
Guest Dock	6	6/27/2022	WEBSITE	Confirmed	6/30/2022	7/1/2022	31'	1
Guest Dock	26	6/28/2022	WEBSITE	Confirmed	6/30/2022	7/1/2022	36'	1
Guest Dock	19	6/30/2022	WEBSITE	Confirmed	6/30/2022	7/1/2022	56'	1
Guest Dock	7	6/17/2022	WEBSITE	Confirmed	7/1/2022	7/5/2022	21'	4
Guest Dock	8	6/17/2022	WEBSITE	Confirmed	7/1/2022	7/5/2022	23'	4
Guest Dock	6	6/17/2022	WEBSITE	Confirmed	7/1/2022	7/5/2022	23'	4
Guest Dock	12	6/21/2022	WEBSITE	Confirmed	7/1/2022	7/3/2022	22'	2
Guest Dock	10	6/21/2022	WEBSITE	Confirmed	7/1/2022	7/2/2022	26'	1
Guest Dock	5	6/27/2022	WEBSITE	Confirmed	7/1/2022	7/2/2022	31'	1
Guest Dock	15	6/27/2022	WEBSITE	Confirmed	7/1/2022	7/2/2022	42'	1
Guest Dock	22	6/27/2022	WEBSITE	Confirmed	7/1/2022	7/4/2022	50'	3
Guest Dock	16	6/29/2022	WEBSITE	Confirmed	7/1/2022	7/2/2022		1
Guest Dock	13	6/30/2022	WEBSITE	Confirmed	7/1/2022	7/3/2022	34'	2
Guest Dock	16	6/18/2022	WEBSITE	Confirmed	7/2/2022	7/5/2022	19'	3
Guest Dock	15	6/18/2022	WEBSITE	Confirmed	7/2/2022	7/5/2022	25'	3
Guest Dock	26	6/18/2022	WEBSITE	Confirmed	7/2/2022	7/3/2022		1
Guest Dock	27	6/19/2022	WEBSITE	Confirmed	7/2/2022	7/3/2022	37'	1
Guest Dock	20	6/20/2022	WEBSITE	Confirmed	7/2/2022	7/5/2022	48'	3
Guest Dock	5	6/29/2022	WEBSITE	Confirmed	7/2/2022	7/3/2022	35'	1
Guest Dock	10	6/30/2022	WEBSITE	Confirmed	7/2/2022	7/3/2022	20'	1
Guest Dock	5	6/16/2022	WEBSITE	Confirmed	7/3/2022	7/5/2022	45'	2
Guest Dock	12	6/20/2022	WEBSITE	Confirmed	7/3/2022	7/5/2022	26'	2
Guest Dock	14	6/20/2022	WEBSITE	Confirmed	7/3/2022	7/18/2022	27'	15
Guest Dock	26	6/20/2022	WEBSITE	Confirmed	7/3/2022	7/4/2022	30'	1
Guest Dock	27	6/21/2022	WEBSITE	Confirmed	7/3/2022	7/5/2022	30'	2
Guest Dock	10	6/29/2022	WEBSITE	Confirmed	7/3/2022	7/4/2022	35'	1
Guest Dock	13	6/30/2022	WEBSITE	Confirmed	7/3/2022	7/5/2022	22'	2
Guest Dock	19	7/3/2022	WEBSITE	Confirmed	7/3/2022	7/4/2022	47'	1

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	28	6/20/2022	WEBSITE	Confirmed	7/4/2022	7/5/2022	40'	1
Guest Dock	3	6/24/2022	WEBSITE	Confirmed	7/4/2022	7/5/2022	42'	1
Guest Dock	22	6/29/2022	WEBSITE	Confirmed	7/4/2022	7/5/2022	50'	1
Guest Dock	10	6/29/2022	WEBSITE	Confirmed	7/4/2022	7/5/2022		1
Guest Dock	19	7/2/2022	WEBSITE	Confirmed	7/4/2022	7/5/2022	46'	1
Guest Dock	26	7/2/2022	WEBSITE	Confirmed	7/4/2022	7/5/2022	30'	1
Guest Dock	9	7/4/2022	WEBSITE	Confirmed	7/4/2022	7/5/2022	25'	1
Guest Dock	26	6/21/2022	WEBSITE	Confirmed	7/5/2022	7/6/2022	40'	1
Guest Dock	16	6/21/2022	WEBSITE	Confirmed	7/5/2022	7/9/2022	22'	4
Guest Dock	7	6/25/2022	WEBSITE	Confirmed	7/5/2022	7/9/2022	38'	4
Guest Dock	12	6/26/2022	WEBSITE	Confirmed	7/5/2022	7/7/2022	36'	2
Guest Dock	6	6/28/2022	WEBSITE	Confirmed	7/5/2022	7/12/2022	31'	7
Guest Dock	15	7/1/2022	WEBSITE	Confirmed	7/5/2022	7/8/2022	34'	3
Guest Dock	18	7/1/2022	WEBSITE	Confirmed	7/5/2022	7/6/2022	50'	1
Guest Dock	2	7/3/2022	WEBSITE	Confirmed	7/5/2022	7/8/2022	24'	3
Guest Dock	8	7/4/2022	WEBSITE	Confirmed	7/5/2022	7/6/2022	30'	1
Guest Dock	10	7/5/2022	WEBSITE	Confirmed	7/5/2022	7/8/2022	43'	3
Guest Dock	11	7/5/2022	WEBSITE	Confirmed	7/5/2022	7/8/2022		3
Guest Dock	9	7/5/2022	WEBSITE	Confirmed	7/5/2022	7/8/2022	36'	3
Guest Dock	3	7/5/2022	WEBSITE	Confirmed	7/5/2022	7/6/2022	41'	1
Guest Dock	13	7/5/2022	WEBSITE	Confirmed	7/5/2022	7/6/2022	32'	1
Guest Dock	21	7/5/2022	WEBSITE	Confirmed	7/5/2022	7/8/2022	46'	3
Guest Dock	19	7/5/2022	WEBSITE	Confirmed	7/5/2022	7/7/2022	47'	2
Guest Dock	4	7/5/2022	WEBSITE	Confirmed	7/5/2022	7/7/2022	30'	2
Guest Dock	5	7/5/2022	WEBSITE	Confirmed	7/5/2022	7/7/2022	25'	2
Guest Dock	8	7/5/2022	WEBSITE	Confirmed	7/6/2022	7/8/2022	30'	2
Guest Dock	3	7/5/2022	WEBSITE	Confirmed	7/6/2022	7/7/2022	42'	1
Guest Dock	5	6/23/2022	WEBSITE	Confirmed	7/7/2022	7/8/2022	38'	1
Guest Dock	3	6/26/2022	WEBSITE	Confirmed	7/7/2022	7/11/2022	50'	4
Guest Dock	18	7/1/2022	WEBSITE	Confirmed	7/7/2022	7/8/2022	47'	1
Guest Dock	12	7/5/2022	WEBSITE	Confirmed	7/7/2022	7/9/2022	17'	2
Guest Dock	19	7/7/2022	WEBSITE	Confirmed	7/7/2022	7/8/2022	47'	1
Guest Dock	13	7/7/2022	WEBSITE	Confirmed	7/7/2022	7/8/2022	25'	1
Guest Dock	15	6/25/2022	WEBSITE	Confirmed	7/8/2022	7/10/2022	26'	2
Guest Dock	19	6/25/2022	WEBSITE	Confirmed	7/8/2022	7/13/2022	45'	5
Guest Dock	2	6/30/2022	WEBSITE	Confirmed	7/8/2022	7/15/2022	25'	7
Guest Dock	4	7/2/2022	WEBSITE	Confirmed	7/8/2022	7/11/2022	20'	3
Guest Dock	18	7/7/2022	WEBSITE	Confirmed	7/8/2022	7/15/2022	46'	7
Guest Dock	5	7/7/2022	WEBSITE	Confirmed	7/8/2022	7/10/2022	23'	2
Guest Dock	9	7/7/2022	WEBSITE	Confirmed	7/8/2022	7/13/2022	43'	5
Guest Dock	26	7/8/2022	WEBSITE	Confirmed	7/8/2022	7/9/2022	34'	1
Guest Dock	13	7/8/2022	WEBSITE	Confirmed	7/8/2022	7/9/2022	25'	1
Guest Dock	21	7/8/2022	WEBSITE	Confirmed	7/8/2022	7/10/2022	46'	2
Guest Dock	20	7/8/2022	WEBSITE	Confirmed	7/8/2022	7/9/2022	47'	1
Guest Dock	8	7/8/2022	WEBSITE	Confirmed	7/8/2022	7/11/2022	43'	3
Guest Dock	16	7/7/2022	WEBSITE	Confirmed	7/9/2022	7/10/2022	35'	1
Guest Dock	12	7/8/2022	WEBSITE	Confirmed	7/9/2022	7/10/2022	47'	1
Guest Dock	26	7/8/2022	WEBSITE	Confirmed	7/9/2022	7/10/2022	39'	1
Guest Dock	7	7/9/2022	WEBSITE	Confirmed	7/9/2022	7/10/2022	39'	1
Guest Dock	10	7/9/2022	WEBSITE	Confirmed	7/9/2022	7/11/2022	37'	2
Guest Dock	28	7/6/2022	WEBSITE	Confirmed	7/10/2022	7/12/2022	38'	2
Guest Dock	20	7/7/2022	WEBSITE	Confirmed	7/10/2022	7/14/2022	47'	4
Guest Dock	16	7/8/2022	WEBSITE	Confirmed	7/10/2022	7/11/2022	43'	1
Guest Dock	13	7/10/2022	WEBSITE	Confirmed	7/10/2022	7/14/2022	30'	4
Guest Dock	12	7/10/2022	WEBSITE	Confirmed	7/10/2022	7/11/2022	47'	1
Guest Dock	21	7/10/2022	WEBSITE	Confirmed	7/10/2022	7/12/2022	46'	2
Guest Dock	26	7/10/2022	WEBSITE	Confirmed	7/10/2022	7/11/2022	39'	1
Guest Dock	27	7/10/2022	WEBSITE	Confirmed	7/10/2022	7/11/2022	39'	1

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	7	6/29/2022	WEBSITE	Confirmed	7/11/2022	7/15/2022	39'	4
Guest Dock	26	6/29/2022	WEBSITE	Confirmed	7/11/2022	7/13/2022	36'	2
Guest Dock	5	7/3/2022	WEBSITE	Confirmed	7/11/2022	7/14/2022	30'	3
Guest Dock	16	7/6/2022	WEBSITE	Confirmed	7/11/2022	7/12/2022	43'	1
Guest Dock	27	7/7/2022	WEBSITE	Confirmed	7/11/2022	7/15/2022		4
Guest Dock	12	7/10/2022	WEBSITE	Confirmed	7/11/2022	7/12/2022	47'	1
Guest Dock	4	7/10/2022	WEBSITE	Confirmed	7/11/2022	7/12/2022	34'	1
Guest Dock	15	7/11/2022	WEBSITE	Confirmed	7/11/2022	7/14/2022	17'	3
Guest Dock	11	7/11/2022	WEBSITE	Confirmed	7/11/2022	7/12/2022	37'	1
Guest Dock	6	6/28/2022	WEBSITE	Confirmed	7/12/2022	7/14/2022	31'	2
Guest Dock	8	7/5/2022	WEBSITE	Confirmed	7/12/2022	7/19/2022	30'	7
Guest Dock	28	7/9/2022	WEBSITE	Confirmed	7/12/2022	7/27/2022	39'	15
Guest Dock	12	7/10/2022	WEBSITE	Confirmed	7/12/2022	7/16/2022	38'	4
Guest Dock	11	7/11/2022	WEBSITE	Confirmed	7/12/2022	7/15/2022	37'	3
Guest Dock	4	7/12/2022	WEBSITE	Confirmed	7/12/2022	7/13/2022	34'	1
Guest Dock	21	7/12/2022	WEBSITE	Confirmed	7/12/2022	7/13/2022	46'	1
Guest Dock	16	7/5/2022	WEBSITE	Confirmed	7/13/2022	7/18/2022	31'	5
Guest Dock	26	7/7/2022	WEBSITE	Confirmed	7/13/2022	7/14/2022	36'	1
Guest Dock	22	7/11/2022	WEBSITE	Confirmed	7/13/2022	7/14/2022	50'	1
Guest Dock	3	7/13/2022	WEBSITE	Confirmed	7/13/2022	7/14/2022	43'	1
Guest Dock	21	7/13/2022	WEBSITE	Confirmed	7/13/2022	7/14/2022	46'	1
Guest Dock	19	7/13/2022	WEBSITE	Confirmed	7/13/2022	7/15/2022	50'	2
Guest Dock	9	7/13/2022	WEBSITE	Confirmed	7/13/2022	7/14/2022	36'	1
Guest Dock	22	7/10/2022	WEBSITE	Confirmed	7/14/2022	7/15/2022	50'	1
Guest Dock	26	7/12/2022	WEBSITE	Confirmed	7/14/2022	7/15/2022	36'	1
Guest Dock	5	7/12/2022	WEBSITE	Confirmed	7/14/2022	7/16/2022	42'	2
Guest Dock	13	7/12/2022	WEBSITE	Confirmed	7/14/2022	7/18/2022	39'	4
Guest Dock	4	7/12/2022	WEBSITE	Confirmed	7/14/2022	7/15/2022	30'	1
Guest Dock	6	7/13/2022	WEBSITE	Confirmed	7/14/2022	7/16/2022	40'	2
Guest Dock	15	7/13/2022	WEBSITE	Confirmed	7/14/2022	7/15/2022	36'	1
Guest Dock	21	7/14/2022	WEBSITE	Confirmed	7/14/2022	7/15/2022	46'	1
Guest Dock	15	7/5/2022	WEBSITE	Confirmed	7/15/2022	7/19/2022	43'	4
Guest Dock	2	7/13/2022	WEBSITE	Confirmed	7/15/2022	7/18/2022	34'	3
Guest Dock	4	7/14/2022	WEBSITE	Confirmed	7/15/2022	7/16/2022		1
Guest Dock	11	7/15/2022	WEBSITE	Confirmed	7/15/2022	7/22/2022	24'	7
Guest Dock	27	7/15/2022	WEBSITE	Confirmed	7/15/2022	7/20/2022		5
Guest Dock	26	7/15/2022	WEBSITE	Confirmed	7/15/2022	7/16/2022	30'	1
Guest Dock	6	7/3/2022	WEBSITE	Confirmed	7/16/2022	7/18/2022	23'	2
Guest Dock	5	7/12/2022	WEBSITE	Confirmed	7/16/2022	7/17/2022	42'	1
Guest Dock	10	7/13/2022	WEBSITE	Confirmed	7/16/2022	7/18/2022	40'	2
Guest Dock	19	7/14/2022	WEBSITE	Confirmed	7/16/2022	7/17/2022	47'	1
Guest Dock	4	7/15/2022	WEBSITE	Confirmed	7/16/2022	7/17/2022	42'	1
Guest Dock	4	7/6/2022	WEBSITE	Confirmed	7/17/2022	7/21/2022	26'	4
Guest Dock	7	7/8/2022	WEBSITE	Confirmed	7/17/2022	7/19/2022	26'	2
Guest Dock	5	7/15/2022	WEBSITE	Confirmed	7/17/2022	7/20/2022	42'	3
Guest Dock	26	7/16/2022	WEBSITE	Confirmed	7/17/2022	7/18/2022	30'	1
Guest Dock	9	7/17/2022	WEBSITE	Confirmed	7/17/2022	7/18/2022	34'	1
Guest Dock	16	7/5/2022	WEBSITE	Confirmed	7/18/2022	7/20/2022	36'	2
Guest Dock	26	7/16/2022	WEBSITE	Confirmed	7/18/2022	7/19/2022	34'	1
Guest Dock	10	7/16/2022	WEBSITE	Confirmed	7/18/2022	7/23/2022	40'	5
Guest Dock	9	7/17/2022	WEBSITE	Confirmed	7/18/2022	7/20/2022	34'	2
Guest Dock	13	7/17/2022	WEBSITE	Confirmed	7/18/2022	7/20/2022	37'	2
Guest Dock	2	7/17/2022	WEBSITE	Confirmed	7/18/2022	7/19/2022	34'	1
Guest Dock	6	7/18/2022	WEBSITE	Confirmed	7/18/2022	7/19/2022	36'	1
Guest Dock	8	7/17/2022	WEBSITE	Confirmed	7/19/2022	7/20/2022	30'	1
Guest Dock	15	7/18/2022	WEBSITE	Confirmed	7/19/2022	7/21/2022	29'	2
Guest Dock	2	7/18/2022	WEBSITE	Confirmed	7/19/2022	7/20/2022	34'	1
Guest Dock	6	7/18/2022	WEBSITE	Confirmed	7/19/2022	7/20/2022	36'	1

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	7	7/18/2022	WEBSITE	Confirmed	7/19/2022	7/20/2022	26'	1
Guest Dock	13	7/12/2022	WEBSITE	Confirmed	7/20/2022	7/26/2022	39'	6
Guest Dock	7	7/18/2022	WEBSITE	Confirmed	7/20/2022	7/22/2022		2
Guest Dock	14	7/19/2022	WEBSITE	Confirmed	7/20/2022	7/21/2022	46'	1
Guest Dock	6	7/19/2022	WEBSITE	Confirmed	7/20/2022	7/23/2022	29'	3
Guest Dock	8	7/19/2022	WEBSITE	Confirmed	7/20/2022	7/23/2022	30'	3
Guest Dock	2	7/19/2022	WEBSITE	Confirmed	7/20/2022	7/21/2022	34'	1
Guest Dock	9	7/19/2022	WEBSITE	Confirmed	7/20/2022	7/21/2022	34'	1
Guest Dock	26	7/20/2022	WEBSITE	Confirmed	7/20/2022	7/21/2022	36'	1
Guest Dock	16	7/20/2022	WEBSITE	Confirmed	7/20/2022	7/21/2022	26'	1
Guest Dock	21	7/20/2022	WEBSITE	Confirmed	7/20/2022	7/23/2022	47'	3
Guest Dock	27	7/7/2022	WEBSITE	Confirmed	7/21/2022	7/26/2022	32'	5
Guest Dock	16	7/18/2022	WEBSITE	Confirmed	7/21/2022	7/23/2022	37'	2
Guest Dock	26	7/18/2022	WEBSITE	Confirmed	7/21/2022	7/23/2022	46'	2
Guest Dock	2	7/19/2022	WEBSITE	Confirmed	7/21/2022	7/22/2022	28'	1
Guest Dock	4	7/19/2022	WEBSITE	Confirmed	7/21/2022	7/22/2022	34'	1
Guest Dock	15	7/20/2022	WEBSITE	Confirmed	7/21/2022	7/22/2022	36'	1
Guest Dock	9	7/20/2022	WEBSITE	Confirmed	7/21/2022	7/23/2022	29'	2
Guest Dock	12	7/21/2022	WEBSITE	Confirmed	7/21/2022	7/22/2022	34'	1
Guest Dock	20	7/21/2022	WEBSITE	Confirmed	7/21/2022	7/22/2022	49'	1
Guest Dock	12	7/8/2022	WEBSITE	Confirmed	7/22/2022	7/24/2022	27'	2
Guest Dock	5	7/17/2022	WEBSITE	Confirmed	7/22/2022	7/23/2022	42'	1
Guest Dock	11	7/20/2022	WEBSITE	Confirmed	7/22/2022	7/29/2022	24'	7
Guest Dock	14	7/21/2022	WEBSITE	Confirmed	7/22/2022	7/24/2022	18'	2
Guest Dock	4	7/21/2022	WEBSITE	Confirmed	7/22/2022	7/27/2022	25'	5
Guest Dock	15	7/22/2022	WEBSITE	Confirmed	7/22/2022	7/23/2022	34'	1
Guest Dock	7	7/9/2022	WEBSITE	Confirmed	7/23/2022	7/30/2022	40'	7
Guest Dock	15	7/17/2022	WEBSITE	Confirmed	7/23/2022	7/24/2022	44'	1
Guest Dock	22	7/19/2022	WEBSITE	Confirmed	7/23/2022	7/25/2022	46'	2
Guest Dock	6	7/21/2022	WEBSITE	Confirmed	7/23/2022	7/26/2022	39'	3
Guest Dock	5	7/22/2022	WEBSITE	Confirmed	7/23/2022	7/24/2022	37'	1
Guest Dock	16	7/22/2022	WEBSITE	Confirmed	7/23/2022	7/25/2022	34'	2
Guest Dock	10	7/22/2022	WEBSITE	Confirmed	7/23/2022	7/26/2022	40'	3
Guest Dock	9	7/22/2022	WEBSITE	Confirmed	7/23/2022	7/24/2022	24'	1
Guest Dock	8	7/22/2022	WEBSITE	Confirmed	7/23/2022	7/28/2022	40'	5
Guest Dock	19	7/22/2022	WEBSITE	Confirmed	7/23/2022	7/24/2022	47'	1
Guest Dock	18	7/23/2022	WEBSITE	Confirmed	7/23/2022	7/28/2022	44'	5
Guest Dock	3	7/11/2022	WEBSITE	Confirmed	7/24/2022	8/6/2022	57'	13
Guest Dock	5	7/20/2022	WEBSITE	Confirmed	7/24/2022	7/26/2022	30'	2
Guest Dock	21	7/21/2022	WEBSITE	Confirmed	7/24/2022	7/25/2022	46'	1
Guest Dock	2	7/23/2022	WEBSITE	Confirmed	7/24/2022	7/25/2022	30'	1
Guest Dock	9	7/24/2022	WEBSITE	Confirmed	7/24/2022	7/25/2022	24'	1
Guest Dock	12	7/24/2022	WEBSITE	Confirmed	7/24/2022	7/27/2022	37'	3
Guest Dock	16	7/16/2022	WEBSITE	Confirmed	7/25/2022	7/26/2022	36'	1
Guest Dock	26	7/20/2022	WEBSITE	Confirmed	7/25/2022	7/29/2022	34'	4
Guest Dock	2	7/21/2022	WEBSITE	Confirmed	7/25/2022	7/29/2022	24'	4
Guest Dock	21	7/21/2022	WEBSITE	Confirmed	7/25/2022	7/30/2022	46'	5
Guest Dock	15	7/24/2022	WEBSITE	Confirmed	7/25/2022	7/26/2022		1
Guest Dock	14	7/24/2022	WEBSITE	Confirmed	7/25/2022	7/26/2022	36'	1
Guest Dock	19	7/24/2022	WEBSITE	Confirmed	7/25/2022	7/26/2022	47'	1
Guest Dock	27	7/24/2022	WEBSITE	Confirmed	7/26/2022	7/29/2022	38'	3
Guest Dock	15	7/25/2022	WEBSITE	Confirmed	7/26/2022	7/27/2022		1
Guest Dock	14	7/25/2022	WEBSITE	Confirmed	7/26/2022	7/27/2022	36'	1
Guest Dock	22	7/25/2022	WEBSITE	Confirmed	7/26/2022	7/29/2022	46'	3
Guest Dock	5	7/26/2022	WEBSITE	Confirmed	7/26/2022	7/28/2022	34'	2
Guest Dock	19	7/22/2022	WEBSITE	Confirmed	7/27/2022	7/28/2022	58'	1
Guest Dock	12	7/24/2022	WEBSITE	Confirmed	7/27/2022	7/29/2022	17'	2
Guest Dock	16	7/24/2022	WEBSITE	Confirmed	7/27/2022	7/28/2022	36'	1

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	4	7/26/2022	WEBSITE	Confirmed	7/27/2022	7/28/2022	25'	1
Guest Dock	15	7/26/2022	WEBSITE	Confirmed	7/27/2022	7/28/2022		1
Guest Dock	14	7/26/2022	WEBSITE	Confirmed	7/27/2022	7/28/2022	36'	1
Guest Dock	28	7/27/2022	WEBSITE	Confirmed	7/27/2022	7/28/2022	37'	1
Guest Dock	6	7/27/2022	WEBSITE	Confirmed	7/27/2022	7/30/2022	32'	3
Guest Dock	28	7/14/2022	WEBSITE	Confirmed	7/28/2022	8/1/2022	39'	4
Guest Dock	14	7/20/2022	WEBSITE	Confirmed	7/28/2022	7/31/2022	24'	3
Guest Dock	4	7/22/2022	WEBSITE	Confirmed	7/28/2022	7/29/2022	32'	1
Guest Dock	15	7/23/2022	WEBSITE	Confirmed	7/28/2022	8/3/2022	24'	6
Guest Dock	5	7/26/2022	WEBSITE	Confirmed	7/28/2022	7/30/2022	34'	2
Guest Dock	13	7/27/2022	Moorings	Confirmed	7/28/2022	8/7/2022	44'	10
Guest Dock	8	7/27/2022	WEBSITE	Confirmed	7/28/2022	7/29/2022	30'	1
Guest Dock	19	7/28/2022	WEBSITE	Confirmed	7/28/2022	7/29/2022		1
Guest Dock	18	7/28/2022	WEBSITE	Confirmed	7/28/2022	7/29/2022	50'	1
Guest Dock	4	7/15/2022	WEBSITE	Confirmed	7/29/2022	7/30/2022	34'	1
Guest Dock	27	7/20/2022	WEBSITE	Confirmed	7/29/2022	8/1/2022	30'	3
Guest Dock	16	7/20/2022	WEBSITE	Confirmed	7/29/2022	7/30/2022	30'	1
Guest Dock	8	7/21/2022	WEBSITE	Confirmed	7/29/2022	7/30/2022	28'	1
Guest Dock	12	7/22/2022	WEBSITE	Confirmed	7/29/2022	7/30/2022	44'	1
Guest Dock	11	7/27/2022	WEBSITE	Confirmed	7/29/2022	7/30/2022	26'	1
Guest Dock	26	7/27/2022	WEBSITE	Confirmed	7/29/2022	7/30/2022	40'	1
Guest Dock	9	7/28/2022	WEBSITE	Confirmed	7/29/2022	7/31/2022	38'	2
Guest Dock	18	7/29/2022	WEBSITE	Confirmed	7/29/2022	7/30/2022	50'	1
Guest Dock	4	7/18/2022	WEBSITE	Confirmed	7/30/2022	7/31/2022	28'	1
Guest Dock	12	7/26/2022	WEBSITE	Confirmed	7/30/2022	7/31/2022	34'	1
Guest Dock	7	7/29/2022	WEBSITE	Confirmed	7/30/2022	7/31/2022	24'	1
Guest Dock	8	7/29/2022	WEBSITE	Confirmed	7/30/2022	8/1/2022	34'	2
Guest Dock	20	7/30/2022	WEBSITE	Confirmed	7/30/2022	7/31/2022	46'	1
Guest Dock	6	7/30/2022	WEBSITE	Confirmed	7/30/2022	7/31/2022	40'	1
Guest Dock	22	7/25/2022	WEBSITE	Confirmed	7/31/2022	8/1/2022	46'	1
Guest Dock	12	7/27/2022	WEBSITE	Confirmed	7/31/2022	8/2/2022	18'	2
Guest Dock	26	7/27/2022	WEBSITE	Confirmed	7/31/2022	8/1/2022	30'	1
Guest Dock	7	7/28/2022	WEBSITE	Confirmed	7/31/2022	8/6/2022	23'	6
Guest Dock	4	7/29/2022	WEBSITE	Confirmed	7/31/2022	8/2/2022	34'	2
Guest Dock	18	7/30/2022	WEBSITE	Confirmed	7/31/2022	8/2/2022	55'	2
Guest Dock	16	7/31/2022	WEBSITE	Confirmed	7/31/2022	8/1/2022	34'	1
Guest Dock	14	7/31/2022	WEBSITE	Confirmed	7/31/2022	8/1/2022	36'	1
Guest Dock	11	7/31/2022	WEBSITE	Confirmed	7/31/2022	8/15/2022	43'	15
Guest Dock	16	7/27/2022	WEBSITE	Confirmed	8/1/2022	8/4/2022		3
Guest Dock	26	7/28/2022	WEBSITE	Confirmed	8/1/2022	8/2/2022	30'	1
Guest Dock	27	7/29/2022	WEBSITE	Confirmed	8/1/2022	8/3/2022	39'	2
Guest Dock	14	7/29/2022	WEBSITE	Confirmed	8/1/2022	8/2/2022	44'	1
Guest Dock	19	7/31/2022	WEBSITE	Confirmed	8/1/2022	8/2/2022	47'	1
Guest Dock	20	7/31/2022	WEBSITE	Confirmed	8/1/2022	8/4/2022	64'	3
Guest Dock	21	7/31/2022	WEBSITE	Confirmed	8/1/2022	8/2/2022	47'	1
Guest Dock	2	7/31/2022	WEBSITE	Confirmed	8/1/2022	8/2/2022	30'	1
Guest Dock	11	7/31/2022	WEBSITE	Confirmed	8/1/2022	8/2/2022	37'	1
Guest Dock	8	7/31/2022	WEBSITE	Confirmed	8/1/2022	8/2/2022	36'	1
Guest Dock	9	7/31/2022	WEBSITE	Confirmed	8/1/2022	8/2/2022		1
Guest Dock	28	8/1/2022	WEBSITE	Confirmed	8/1/2022	8/2/2022	34'	1
Guest Dock	28	7/27/2022	WEBSITE	Confirmed	8/2/2022	8/9/2022	32'	7
Guest Dock	12	8/1/2022	WEBSITE	Confirmed	8/2/2022	8/5/2022	39'	3
Guest Dock	18	8/1/2022	WEBSITE	Confirmed	8/2/2022	8/3/2022	55'	1
Guest Dock	8	8/1/2022	WEBSITE	Confirmed	8/2/2022	8/3/2022		1
Guest Dock	4	8/1/2022	WEBSITE	Confirmed	8/2/2022	8/3/2022	37'	1
Guest Dock	26	8/2/2022	WEBSITE	Confirmed	8/2/2022	8/3/2022	34'	1
Guest Dock	14	8/2/2022	WEBSITE	Confirmed	8/2/2022	8/4/2022	34'	2
Guest Dock	22	8/2/2022	WEBSITE	Confirmed	8/2/2022	8/3/2022	46'	1

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	21	8/2/2022	WEBSITE	Confirmed	8/2/2022	8/3/2022	47'	1
Guest Dock	22	8/1/2022	WEBSITE	Confirmed	8/3/2022	8/5/2022	46'	2
Guest Dock	27	8/2/2022	WEBSITE	Confirmed	8/3/2022	8/4/2022	39'	1
Guest Dock	26	8/2/2022	WEBSITE	Confirmed	8/3/2022	8/4/2022	34'	1
Guest Dock	8	8/2/2022	WEBSITE	Confirmed	8/3/2022	8/4/2022		1
Guest Dock	4	8/3/2022	WEBSITE	Confirmed	8/3/2022	8/4/2022	37'	1
Guest Dock	21	8/3/2022	WEBSITE	Confirmed	8/3/2022	8/4/2022	46'	1
Guest Dock	9	7/26/2022	WEBSITE	Confirmed	8/4/2022	8/5/2022	38'	1
Guest Dock	2	7/29/2022	WEBSITE	Confirmed	8/4/2022	8/5/2022	27'	1
Guest Dock	14	7/31/2022	WEBSITE	Confirmed	8/4/2022	8/6/2022	18'	2
Guest Dock	16	8/1/2022	WEBSITE	Confirmed	8/4/2022	8/5/2022		1
Guest Dock	19	8/1/2022	WEBSITE	Confirmed	8/4/2022	8/5/2022	50'	1
Guest Dock	20	8/2/2022	WEBSITE	Confirmed	8/4/2022	8/5/2022	64'	1
Guest Dock	15	8/2/2022	WEBSITE	Confirmed	8/4/2022	8/5/2022	34'	1
Guest Dock	18	8/2/2022	WEBSITE	Confirmed	8/4/2022	8/5/2022	50'	1
Guest Dock	27	8/3/2022	WEBSITE	Confirmed	8/4/2022	8/5/2022	39'	1
Guest Dock	10	8/3/2022	WEBSITE	Confirmed	8/4/2022	8/5/2022	36'	1
Guest Dock	8	8/3/2022	WEBSITE	Confirmed	8/4/2022	8/5/2022		1
Guest Dock	4	8/3/2022	WEBSITE	Confirmed	8/4/2022	8/5/2022	37'	1
Guest Dock	26	7/22/2022	WEBSITE	Confirmed	8/5/2022	8/7/2022	34'	2
Guest Dock	2	7/23/2022	WEBSITE	Confirmed	8/5/2022	8/7/2022	28'	2
Guest Dock	8	7/25/2022	WEBSITE	Confirmed	8/5/2022	8/6/2022	22'	1
Guest Dock	15	7/31/2022	WEBSITE	Confirmed	8/5/2022	8/6/2022	26'	1
Guest Dock	16	8/5/2022	WEBSITE	Confirmed	8/5/2022	8/6/2022	34'	1
Guest Dock	19	7/25/2022	WEBSITE	Confirmed	8/6/2022	8/7/2022	45'	1
Guest Dock	3	7/27/2022	WEBSITE	Confirmed	8/6/2022	8/15/2022	46'	9
Guest Dock	15	7/31/2022	WEBSITE	Confirmed	8/6/2022	8/7/2022	26'	1
Guest Dock	16	8/1/2022	WEBSITE	Confirmed	8/6/2022	8/8/2022	40'	2
Guest Dock	5	8/2/2022	WEBSITE	Confirmed	8/6/2022	8/7/2022	18'	1
Guest Dock	7	8/3/2022	WEBSITE	Confirmed	8/6/2022	8/7/2022	25'	1
Guest Dock	8	8/5/2022	WEBSITE	Confirmed	8/6/2022	8/8/2022	39'	2
Guest Dock	14	8/5/2022	WEBSITE	Confirmed	8/6/2022	8/7/2022	26'	1
Guest Dock	21	7/24/2022	WEBSITE	Confirmed	8/7/2022	8/11/2022	46'	4
Guest Dock	9	7/26/2022	WEBSITE	Confirmed	8/7/2022	8/12/2022	22'	5
Guest Dock	4	7/29/2022	WEBSITE	Confirmed	8/7/2022	8/10/2022	26'	3
Guest Dock	7	8/2/2022	WEBSITE	Confirmed	8/7/2022	8/9/2022	26'	2
Guest Dock	5	8/5/2022	WEBSITE	Confirmed	8/7/2022	8/9/2022	34'	2
Guest Dock	26	8/6/2022	WEBSITE	Confirmed	8/7/2022	8/10/2022		3
Guest Dock	18	7/25/2022	WEBSITE	Confirmed	8/8/2022	8/9/2022	50'	1
Guest Dock	12	8/2/2022	WEBSITE	Confirmed	8/8/2022	8/13/2022	26'	5
Guest Dock	14	8/4/2022	WEBSITE	Confirmed	8/8/2022	8/10/2022	36'	2
Guest Dock	16	8/4/2022	WEBSITE	Confirmed	8/8/2022	8/11/2022		3
Guest Dock	22	8/7/2022	WEBSITE	Confirmed	8/8/2022	8/10/2022	46'	2
Guest Dock	8	8/7/2022	WEBSITE	Confirmed	8/8/2022	8/9/2022	30'	1
Guest Dock	13	8/7/2022	WEBSITE	Confirmed	8/8/2022	8/10/2022	46'	2
Guest Dock	19	8/7/2022	WEBSITE	Confirmed	8/8/2022	8/10/2022	45'	2
Guest Dock	27	8/8/2022	WEBSITE	Confirmed	8/8/2022	8/9/2022		1
Guest Dock	18	8/2/2022	WEBSITE	Confirmed	8/9/2022	8/10/2022	50'	1
Guest Dock	18	8/6/2022	WEBSITE	Confirmed	8/10/2022	8/11/2022	50'	1
Guest Dock	22	8/8/2022	WEBSITE	Confirmed	8/10/2022	8/11/2022	46'	1
Guest Dock	19	8/9/2022	WEBSITE	Confirmed	8/10/2022	8/12/2022	45'	2
Guest Dock	18	7/28/2022	WEBSITE	Confirmed	8/11/2022	8/26/2022	58'	15
Guest Dock	16	7/28/2022	WEBSITE	Confirmed	8/11/2022	8/15/2022	22'	4
Guest Dock	7	7/31/2022	WEBSITE	Confirmed	8/11/2022	8/12/2022	40'	1
Guest Dock	6	8/1/2022	WEBSITE	Confirmed	8/11/2022	8/12/2022	22'	1
Guest Dock	26	8/4/2022	WEBSITE	Confirmed	8/11/2022	8/13/2022	30'	2
Guest Dock	22	8/9/2022	WEBSITE	Confirmed	8/11/2022	8/14/2022	46'	3
Guest Dock	5	8/10/2022	WEBSITE	Confirmed	8/11/2022	8/13/2022	24'	2

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	10	8/11/2022	WEBSITE	Confirmed	8/11/2022	8/12/2022	32'	1
Guest Dock	15	8/11/2022	WEBSITE	Confirmed	8/11/2022	8/12/2022	23'	1
Guest Dock	6	8/3/2022	WEBSITE	Confirmed	8/12/2022	8/14/2022	24'	2
Guest Dock	15	8/8/2022	Moorings	Confirmed	8/12/2022	8/19/2022	45'	7
Guest Dock	10	8/10/2022	WEBSITE	Confirmed	8/12/2022	8/16/2022	30'	4
Guest Dock	27	8/10/2022	WEBSITE	Confirmed	8/12/2022	8/14/2022	38'	2
Guest Dock	26	8/3/2022	WEBSITE	Confirmed	8/13/2022	8/14/2022	30'	1
Guest Dock	5	8/9/2022	WEBSITE	Confirmed	8/13/2022	8/15/2022	24'	2
Guest Dock	7	8/12/2022	WEBSITE	Confirmed	8/13/2022	8/16/2022	32'	3
Guest Dock	8	8/6/2022	WEBSITE	Confirmed	8/14/2022	8/16/2022	32'	2
Guest Dock	12	8/10/2022	WEBSITE	Confirmed	8/14/2022	8/27/2022	46'	13
Guest Dock	26	8/10/2022	WEBSITE	Confirmed	8/14/2022	8/15/2022	30'	1
Guest Dock	27	8/13/2022	WEBSITE	Confirmed	8/14/2022	8/17/2022	38'	3
Guest Dock	22	8/13/2022	WEBSITE	Confirmed	8/14/2022	8/15/2022	46'	1
Guest Dock	5	8/1/2022	WEBSITE	Confirmed	8/15/2022	8/18/2022	40'	3
Guest Dock	16	8/11/2022	WEBSITE	Confirmed	8/15/2022	8/17/2022		2
Guest Dock	26	8/13/2022	WEBSITE	Confirmed	8/15/2022	8/16/2022	37'	1
Guest Dock	14	8/13/2022	WEBSITE	Confirmed	8/15/2022	8/16/2022	43'	1
Guest Dock	20	8/14/2022	WEBSITE	Confirmed	8/15/2022	8/16/2022	45'	1
Guest Dock	28	8/15/2022	WEBSITE	Confirmed	8/15/2022	8/16/2022	34'	1
Guest Dock	11	8/15/2022	WEBSITE	Confirmed	8/15/2022	8/18/2022	36'	3
Guest Dock	13	8/15/2022	WEBSITE	Confirmed	8/15/2022	8/17/2022	41'	2
Guest Dock	20	8/13/2022	WEBSITE	Confirmed	8/16/2022	8/17/2022	51'	1
Guest Dock	10	8/14/2022	WEBSITE	Confirmed	8/16/2022	8/19/2022	30'	3
Guest Dock	21	8/14/2022	WEBSITE	Confirmed	8/16/2022	8/17/2022	45'	1
Guest Dock	13	8/7/2022	WEBSITE	Confirmed	8/17/2022	8/24/2022	24'	7
Guest Dock	3	8/15/2022	WEBSITE	Confirmed	8/17/2022	8/18/2022	46'	1
Guest Dock	9	8/16/2022	WEBSITE	Confirmed	8/17/2022	8/19/2022	28'	2
Guest Dock	27	8/16/2022	WEBSITE	Confirmed	8/17/2022	8/19/2022	38'	2
Guest Dock	21	8/16/2022	WEBSITE	Confirmed	8/17/2022	8/19/2022	45'	2
Guest Dock	8	8/16/2022	WEBSITE	Confirmed	8/17/2022	8/20/2022	17'	3
Guest Dock	14	8/17/2022	WEBSITE	Confirmed	8/17/2022	8/18/2022	41'	1
Guest Dock	19	8/17/2022	WEBSITE	Confirmed	8/17/2022	8/18/2022	46'	1
Guest Dock	3	8/5/2022	WEBSITE	Confirmed	8/18/2022	8/19/2022	46'	1
Guest Dock	5	8/17/2022	WEBSITE	Confirmed	8/18/2022	8/19/2022	30'	1
Guest Dock	14	8/18/2022	WEBSITE	Confirmed	8/18/2022	8/19/2022	41'	1
Guest Dock	6	8/18/2022	WEBSITE	Confirmed	8/18/2022	8/19/2022	30'	1
Guest Dock	28	8/18/2022	WEBSITE	Confirmed	8/18/2022	8/19/2022	32'	1
Guest Dock	5	8/5/2022	WEBSITE	Confirmed	8/19/2022	8/26/2022	44'	7
Guest Dock	16	8/5/2022	WEBSITE	Confirmed	8/19/2022	8/22/2022	37'	3
Guest Dock	15	8/5/2022	WEBSITE	Confirmed	8/19/2022	8/21/2022	26'	2
Guest Dock	19	8/15/2022	WEBSITE	Confirmed	8/19/2022	8/20/2022	51'	1
Guest Dock	10	8/16/2022	WEBSITE	Confirmed	8/19/2022	8/20/2022	23'	1
Guest Dock	9	8/16/2022	WEBSITE	Confirmed	8/19/2022	8/20/2022	28'	1
Guest Dock	26	8/17/2022	WEBSITE	Confirmed	8/19/2022	8/22/2022	34'	3
Guest Dock	3	8/17/2022	WEBSITE	Confirmed	8/19/2022	8/22/2022	50'	3
Guest Dock	6	8/18/2022	WEBSITE	Confirmed	8/19/2022	8/21/2022	18'	2
Guest Dock	27	8/18/2022	WEBSITE	Confirmed	8/19/2022	8/20/2022	38'	1
Guest Dock	11	8/18/2022	WEBSITE	Confirmed	8/19/2022	8/21/2022	50'	2
Guest Dock	10	8/15/2022	WEBSITE	Confirmed	8/20/2022	8/21/2022	30'	1
Guest Dock	14	8/17/2022	WEBSITE	Confirmed	8/20/2022	8/22/2022	26'	2
Guest Dock	28	8/17/2022	WEBSITE	Confirmed	8/20/2022	9/4/2022	30'	15
Guest Dock	19	8/19/2022	WEBSITE	Confirmed	8/20/2022	8/21/2022	59'	1
Guest Dock	8	8/19/2022	WEBSITE	Confirmed	8/20/2022	8/21/2022	27'	1
Guest Dock	27	8/19/2022	WEBSITE	Confirmed	8/20/2022	8/21/2022	38'	1
Guest Dock	10	8/20/2022	WEBSITE	Confirmed	8/21/2022	8/23/2022	30'	2
Guest Dock	27	8/20/2022	WEBSITE	Confirmed	8/21/2022	8/22/2022	38'	1
Guest Dock	20	8/21/2022	WEBSITE	Confirmed	8/21/2022	8/23/2022	51'	2

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	9	8/21/2022	WEBSITE	Confirmed	8/21/2022	8/22/2022	41'	1
Guest Dock	15	8/21/2022	WEBSITE	Confirmed	8/21/2022	8/27/2022	18'	6
Guest Dock	3	8/8/2022	WEBSITE	Confirmed	8/22/2022	8/26/2022	46'	4
Guest Dock	26	8/16/2022	WEBSITE	Confirmed	8/22/2022	8/24/2022	36'	2
Guest Dock	8	8/18/2022	WEBSITE	Confirmed	8/22/2022	8/23/2022	32'	1
Guest Dock	7	8/18/2022	WEBSITE	Confirmed	8/22/2022	8/26/2022	26'	4
Guest Dock	19	8/19/2022	WEBSITE	Confirmed	8/22/2022	8/23/2022	47'	1
Guest Dock	21	8/21/2022	WEBSITE	Confirmed	8/22/2022	8/25/2022	46'	3
Guest Dock	2	8/22/2022	WEBSITE	Confirmed	8/22/2022	8/25/2022	32'	3
Guest Dock	4	8/22/2022	WEBSITE	Confirmed	8/22/2022	8/23/2022	45'	1
Guest Dock	10	8/21/2022	WEBSITE	Confirmed	8/23/2022	8/24/2022	30'	1
Guest Dock	16	8/22/2022	WEBSITE	Confirmed	8/23/2022	8/25/2022	31'	2
Guest Dock	14	8/23/2022	WEBSITE	Confirmed	8/23/2022	8/24/2022	45'	1
Guest Dock	8	8/16/2022	WEBSITE	Confirmed	8/24/2022	8/31/2022	45'	7
Guest Dock	26	8/22/2022	WEBSITE	Confirmed	8/24/2022	8/25/2022	36'	1
Guest Dock	14	8/23/2022	WEBSITE	Confirmed	8/24/2022	8/26/2022	45'	2
Guest Dock	2	8/22/2022	WEBSITE	Confirmed	8/25/2022	8/26/2022	32'	1
Guest Dock	9	8/23/2022	WEBSITE	Confirmed	8/25/2022	8/26/2022	26'	1
Guest Dock	21	8/24/2022	WEBSITE	Confirmed	8/25/2022	8/26/2022	47'	1
Guest Dock	20	8/24/2022	WEBSITE	Confirmed	8/25/2022	8/26/2022	46'	1
Guest Dock	16	8/24/2022	WEBSITE	Confirmed	8/25/2022	8/26/2022	42'	1
Guest Dock	22	8/25/2022	WEBSITE	Confirmed	8/25/2022	8/27/2022	46'	2
Guest Dock	11	8/23/2022	WEBSITE	Confirmed	8/26/2022	8/29/2022	23'	3
Guest Dock	16	8/25/2022	WEBSITE	Confirmed	8/26/2022	8/28/2022	25'	2
Guest Dock	2	8/14/2022	WEBSITE	Confirmed	8/27/2022	8/28/2022	28'	1
Guest Dock	27	8/23/2022	WEBSITE	Confirmed	8/27/2022	8/28/2022	37'	1
Guest Dock	21	8/27/2022	WEBSITE	Confirmed	8/27/2022	8/28/2022	46'	1
Guest Dock	14	8/27/2022	WEBSITE	Confirmed	8/27/2022	8/30/2022	30'	3
Guest Dock	5	8/14/2022	WEBSITE	Confirmed	8/28/2022	8/29/2022	25'	1
Guest Dock	3	8/16/2022	WEBSITE	Confirmed	8/28/2022	9/2/2022	56'	5
Guest Dock	15	8/24/2022	WEBSITE	Confirmed	8/28/2022	8/29/2022	43'	1
Guest Dock	7	8/24/2022	WEBSITE	Confirmed	8/28/2022	9/3/2022	25'	6
Guest Dock	9	8/25/2022	WEBSITE	Confirmed	8/28/2022	8/29/2022	17'	1
Guest Dock	26	8/28/2022	WEBSITE	Confirmed	8/28/2022	8/29/2022	30'	1
Guest Dock	20	8/28/2022	WEBSITE	Confirmed	8/28/2022	8/29/2022	46'	1
Guest Dock	16	8/28/2022	WEBSITE	Confirmed	8/28/2022	8/29/2022	18'	1
Guest Dock	16	8/19/2022	WEBSITE	Confirmed	8/29/2022	8/31/2022	36'	2
Guest Dock	4	8/20/2022	WEBSITE	Confirmed	8/29/2022	8/30/2022	32'	1
Guest Dock	2	8/20/2022	WEBSITE	Confirmed	8/29/2022	8/31/2022	22'	2
Guest Dock	20	8/24/2022	WEBSITE	Confirmed	8/29/2022	9/2/2022	52'	4
Guest Dock	5	8/24/2022	WEBSITE	Confirmed	8/29/2022	9/2/2022	34'	4
Guest Dock	21	8/27/2022	WEBSITE	Confirmed	8/29/2022	8/30/2022	47'	1
Guest Dock	18	8/29/2022	WEBSITE	Confirmed	8/29/2022	8/31/2022	46'	2
Guest Dock	11	8/23/2022	WEBSITE	Confirmed	8/30/2022	8/31/2022	25'	1
Guest Dock	27	8/26/2022	WEBSITE	Confirmed	8/30/2022	9/2/2022		3
Guest Dock	9	8/26/2022	WEBSITE	Confirmed	8/30/2022	9/2/2022	36'	3
Guest Dock	12	8/29/2022	WEBSITE	Confirmed	8/30/2022	8/31/2022	37'	1
Guest Dock	18	8/17/2022	WEBSITE	Confirmed	8/31/2022	9/3/2022	50'	3
Guest Dock	10	8/17/2022	WEBSITE	Confirmed	8/31/2022	9/1/2022	26'	1
Guest Dock	2	8/17/2022	Moorings	Confirmed	8/31/2022	9/7/2022	30'	7
Guest Dock	4	8/17/2022	WEBSITE	Confirmed	8/31/2022	9/5/2022	29'	5
Guest Dock	8	8/29/2022	WEBSITE	Confirmed	8/31/2022	9/1/2022	44'	1
Guest Dock	14	8/30/2022	WEBSITE	Confirmed	8/31/2022	9/1/2022	20'	1
Guest Dock	19	8/30/2022	WEBSITE	Confirmed	8/31/2022	9/1/2022	46'	1
Guest Dock	15	8/22/2022	WEBSITE	Confirmed	9/1/2022	9/5/2022	37'	4
Guest Dock	12	8/30/2022	WEBSITE	Confirmed	9/1/2022	9/2/2022	26'	1
Guest Dock	11	8/31/2022	WEBSITE	Confirmed	9/1/2022	9/2/2022	37'	1
Guest Dock	19	8/31/2022	WEBSITE	Confirmed	9/1/2022	9/2/2022	46'	1

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	10	9/1/2022	WEBSITE	Confirmed	9/1/2022	9/2/2022	20'	1
Guest Dock	10	8/19/2022	WEBSITE	Confirmed	9/2/2022	9/5/2022	23'	3
Guest Dock	16	8/19/2022	WEBSITE	Confirmed	9/2/2022	9/6/2022	26'	4
Guest Dock	3	8/19/2022	WEBSITE	Confirmed	9/2/2022	9/4/2022	51'	2
Guest Dock	8	8/19/2022	WEBSITE	Confirmed	9/2/2022	9/6/2022	17'	4
Guest Dock	5	8/20/2022	WEBSITE	Confirmed	9/2/2022	9/11/2022	22'	9
Guest Dock	9	8/20/2022	WEBSITE	Confirmed	9/2/2022	9/8/2022	25'	6
Guest Dock	13	8/24/2022	WEBSITE	Confirmed	9/2/2022	9/5/2022	27'	3
Guest Dock	12	8/24/2022	WEBSITE	Confirmed	9/2/2022	9/4/2022	42'	2
Guest Dock	21	8/31/2022	WEBSITE	Confirmed	9/2/2022	9/3/2022	46'	1
Guest Dock	11	8/31/2022	WEBSITE	Confirmed	9/2/2022	9/3/2022	30'	1
Guest Dock	14	9/1/2022	WEBSITE	Confirmed	9/2/2022	9/3/2022	25'	1
Guest Dock	20	9/2/2022	WEBSITE	Confirmed	9/2/2022	9/6/2022		4
Guest Dock	7	8/20/2022	WEBSITE	Confirmed	9/3/2022	9/6/2022	22'	3
Guest Dock	14	8/23/2022	WEBSITE	Confirmed	9/3/2022	9/4/2022	39'	1
Guest Dock	11	8/24/2022	WEBSITE	Confirmed	9/3/2022	9/6/2022	24'	3
Guest Dock	21	8/30/2022	WEBSITE	Confirmed	9/3/2022	9/5/2022	42'	2
Guest Dock	12	8/24/2022	WEBSITE	Confirmed	9/4/2022	9/5/2022	42'	1
Guest Dock	14	8/25/2022	WEBSITE	Confirmed	9/4/2022	9/19/2022	40'	15
Guest Dock	28	8/31/2022	WEBSITE	Confirmed	9/4/2022	9/6/2022	34'	2
Guest Dock	19	8/31/2022	WEBSITE	Confirmed	9/4/2022	9/6/2022	46'	2
Guest Dock	3	9/2/2022	WEBSITE	Confirmed	9/4/2022	9/5/2022	50'	1
Guest Dock	22	9/4/2022	WEBSITE	Confirmed	9/4/2022	9/6/2022	51'	2
Guest Dock	27	9/4/2022	Moorings	Confirmed	9/4/2022	9/6/2022	24'	2
Guest Dock	4	8/23/2022	WEBSITE	Confirmed	9/5/2022	9/6/2022	32'	1
Guest Dock	10	8/28/2022	WEBSITE	Confirmed	9/5/2022	9/9/2022	22'	4
Guest Dock	12	8/31/2022	WEBSITE	Confirmed	9/5/2022	9/6/2022	33'	1
Guest Dock	15	9/1/2022	WEBSITE	Confirmed	9/5/2022	9/7/2022	26'	2
Guest Dock	18	8/23/2022	WEBSITE	Confirmed	9/6/2022	9/10/2022	50'	4
Guest Dock	16	8/28/2022	WEBSITE	Confirmed	9/6/2022	9/8/2022		2
Guest Dock	3	8/30/2022	WEBSITE	Confirmed	9/6/2022	9/7/2022	39'	1
Guest Dock	8	8/31/2022	WEBSITE	Confirmed	9/6/2022	9/9/2022	34'	3
Guest Dock	12	8/31/2022	WEBSITE	Confirmed	9/6/2022	9/7/2022	24'	1
Guest Dock	27	9/1/2022	WEBSITE	Confirmed	9/6/2022	9/9/2022		3
Guest Dock	28	9/4/2022	WEBSITE	Confirmed	9/6/2022	9/7/2022	32'	1
Guest Dock	13	9/5/2022	WEBSITE	Confirmed	9/6/2022	9/8/2022	21'	2
Guest Dock	26	8/31/2022	WEBSITE	Confirmed	9/7/2022	9/9/2022	39'	2
Guest Dock	3	9/6/2022	WEBSITE	Confirmed	9/7/2022	9/14/2022	50'	7
Guest Dock	11	9/6/2022	WEBSITE	Confirmed	9/7/2022	9/8/2022	24'	1
Guest Dock	4	9/6/2022	WEBSITE	Confirmed	9/7/2022	9/8/2022	30'	1
Guest Dock	15	9/7/2022	WEBSITE	Confirmed	9/7/2022	9/8/2022	45'	1
Guest Dock	28	9/7/2022	WEBSITE	Confirmed	9/7/2022	9/8/2022	37'	1
Guest Dock	4	8/31/2022	WEBSITE	Confirmed	9/8/2022	9/10/2022	26'	2
Guest Dock	16	9/3/2022	WEBSITE	Confirmed	9/8/2022	9/9/2022		1
Guest Dock	11	9/6/2022	WEBSITE	Confirmed	9/8/2022	9/11/2022	24'	3
Guest Dock	12	9/7/2022	WEBSITE	Confirmed	9/8/2022	9/9/2022	45'	1
Guest Dock	9	9/7/2022	WEBSITE	Confirmed	9/8/2022	9/12/2022	43'	4
Guest Dock	20	9/7/2022	WEBSITE	Confirmed	9/8/2022	9/11/2022	47'	3
Guest Dock	28	9/8/2022	WEBSITE	Confirmed	9/8/2022	9/9/2022	36'	1
Guest Dock	16	8/30/2022	WEBSITE	Confirmed	9/9/2022	9/12/2022	25'	3
Guest Dock	27	8/31/2022	WEBSITE	Confirmed	9/9/2022	9/11/2022	37'	2
Guest Dock	12	8/29/2022	WEBSITE	Confirmed	9/10/2022	9/17/2022	26'	7
Guest Dock	4	9/2/2022	WEBSITE	Confirmed	9/10/2022	9/11/2022	28'	1
Guest Dock	8	9/6/2022	WEBSITE	Confirmed	9/10/2022	9/13/2022	34'	3
Guest Dock	18	9/7/2022	WEBSITE	Confirmed	9/10/2022	9/11/2022	50'	1
Guest Dock	28	9/7/2022	WEBSITE	Confirmed	9/10/2022	9/11/2022	32'	1
Guest Dock	10	9/9/2022	WEBSITE	Confirmed	9/10/2022	9/11/2022	26'	1
Guest Dock	5	9/1/2022	WEBSITE	Confirmed	9/11/2022	9/12/2022	26'	1

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	21	9/7/2022	WEBSITE	Confirmed	9/11/2022	9/18/2022	46'	7
Guest Dock	28	9/7/2022	WEBSITE	Confirmed	9/11/2022	9/12/2022	32'	1
Guest Dock	27	9/8/2022	WEBSITE	Confirmed	9/11/2022	9/13/2022		2
Guest Dock	4	9/8/2022	WEBSITE	Confirmed	9/11/2022	9/13/2022	41'	2
Guest Dock	11	9/9/2022	WEBSITE	Confirmed	9/11/2022	9/14/2022	36'	3
Guest Dock	15	9/10/2022	WEBSITE	Confirmed	9/11/2022	9/14/2022	37'	3
Guest Dock	2	9/11/2022	WEBSITE	Confirmed	9/11/2022	9/14/2022	17'	3
Guest Dock	26	9/6/2022	WEBSITE	Confirmed	9/12/2022	9/14/2022	36'	2
Guest Dock	28	9/7/2022	WEBSITE	Confirmed	9/12/2022	9/13/2022	32'	1
Guest Dock	5	9/8/2022	WEBSITE	Confirmed	9/12/2022	9/13/2022	45'	1
Guest Dock	6	9/10/2022	WEBSITE	Confirmed	9/12/2022	9/16/2022	38'	4
Guest Dock	16	9/10/2022	WEBSITE	Confirmed	9/12/2022	9/14/2022	30'	2
Guest Dock	9	9/10/2022	WEBSITE	Confirmed	9/12/2022	9/16/2022	43'	4
Guest Dock	13	9/11/2022	WEBSITE	Confirmed	9/12/2022	9/16/2022	34'	4
Guest Dock	19	9/12/2022	WEBSITE	Confirmed	9/12/2022	9/15/2022	47'	3
Guest Dock	4	9/5/2022	WEBSITE	Confirmed	9/13/2022	9/15/2022	32'	2
Guest Dock	5	9/10/2022	WEBSITE	Confirmed	9/13/2022	9/14/2022	26'	1
Guest Dock	8	9/10/2022	WEBSITE	Confirmed	9/13/2022	9/14/2022	22'	1
Guest Dock	10	9/11/2022	WEBSITE	Confirmed	9/13/2022	9/15/2022	34'	2
Guest Dock	18	9/13/2022	WEBSITE	Confirmed	9/13/2022	9/14/2022	41'	1
Guest Dock	3	9/6/2022	WEBSITE	Confirmed	9/14/2022	9/19/2022	50'	5
Guest Dock	26	9/12/2022	WEBSITE	Confirmed	9/14/2022	9/16/2022		2
Guest Dock	5	9/14/2022	WEBSITE	Confirmed	9/14/2022	9/15/2022	41'	1
Guest Dock	16	9/14/2022	WEBSITE	Confirmed	9/14/2022	9/18/2022	36'	4
Guest Dock	15	9/14/2022	WEBSITE	Confirmed	9/14/2022	9/16/2022	37'	2
Guest Dock	28	9/14/2022	WEBSITE	Confirmed	9/14/2022	9/15/2022		1
Guest Dock	22	9/14/2022	WEBSITE	Confirmed	9/14/2022	9/15/2022	47'	1
Guest Dock	4	9/3/2022	WEBSITE	Confirmed	9/15/2022	9/16/2022	32'	1
Guest Dock	8	9/13/2022	WEBSITE	Confirmed	9/15/2022	9/19/2022	24'	4
Guest Dock	5	9/14/2022	WEBSITE	Confirmed	9/15/2022	9/16/2022	26'	1
Guest Dock	19	9/15/2022	WEBSITE	Confirmed	9/15/2022	9/16/2022	47'	1
Guest Dock	20	9/15/2022	WEBSITE	Confirmed	9/15/2022	9/16/2022	41'	1
Guest Dock	22	9/15/2022	WEBSITE	Confirmed	9/15/2022	9/19/2022	47'	4
Guest Dock	28	9/15/2022	WEBSITE	Confirmed	9/15/2022	9/16/2022	36'	1
Guest Dock	10	9/8/2022	WEBSITE	Confirmed	9/16/2022	9/18/2022	23'	2
Guest Dock	26	9/8/2022	WEBSITE	Confirmed	9/16/2022	9/29/2022	39'	13
Guest Dock	9	9/8/2022	WEBSITE	Confirmed	9/16/2022	9/18/2022	21'	2
Guest Dock	11	9/14/2022	WEBSITE	Confirmed	9/16/2022	9/18/2022	26'	2
Guest Dock	13	9/14/2022	WEBSITE	Confirmed	9/16/2022	9/19/2022	46'	3
Guest Dock	5	9/14/2022	WEBSITE	Confirmed	9/16/2022	9/18/2022	43'	2
Guest Dock	6	9/15/2022	WEBSITE	Confirmed	9/16/2022	9/17/2022	38'	1
Guest Dock	4	9/16/2022	WEBSITE	Confirmed	9/16/2022	9/18/2022	26'	2
Guest Dock	28	9/16/2022	WEBSITE	Confirmed	9/16/2022	9/17/2022	36'	1
Guest Dock	28	9/15/2022	WEBSITE	Confirmed	9/17/2022	9/19/2022	37'	2
Guest Dock	12	9/17/2022	WEBSITE	Confirmed	9/17/2022	9/18/2022	36'	1
Guest Dock	16	9/9/2022	WEBSITE	Confirmed	9/18/2022	9/26/2022	36'	8
Guest Dock	7	9/12/2022	WEBSITE	Confirmed	9/18/2022	9/20/2022	26'	2
Guest Dock	12	9/18/2022	WEBSITE	Confirmed	9/18/2022	9/19/2022	36'	1
Guest Dock	4	9/18/2022	WEBSITE	Confirmed	9/18/2022	9/20/2022	27'	2
Guest Dock	22	9/9/2022	WEBSITE	Confirmed	9/19/2022	9/20/2022	50'	1
Guest Dock	14	9/10/2022	WEBSITE	Confirmed	9/19/2022	9/21/2022		2
Guest Dock	2	9/15/2022	WEBSITE	Confirmed	9/19/2022	9/23/2022	26'	4
Guest Dock	12	9/18/2022	WEBSITE	Confirmed	9/19/2022	9/22/2022	26'	3
Guest Dock	28	9/18/2022	WEBSITE	Confirmed	9/19/2022	9/20/2022	37'	1
Guest Dock	20	9/18/2022	WEBSITE	Confirmed	9/19/2022	9/21/2022	47'	2
Guest Dock	27	9/19/2022	WEBSITE	Confirmed	9/19/2022	9/20/2022		1
Guest Dock	13	9/19/2022	WEBSITE	Confirmed	9/19/2022	9/20/2022	36'	1
Guest Dock	25	9/19/2022	WEBSITE	Confirmed	9/19/2022	9/20/2022	37'	1

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	27	9/19/2022	WEBSITE	Confirmed	9/20/2022	9/21/2022		1
Guest Dock	4	9/19/2022	WEBSITE	Confirmed	9/20/2022	9/22/2022	42'	2
Guest Dock	8	9/19/2022	WEBSITE	Confirmed	9/20/2022	9/23/2022	32'	3
Guest Dock	5	9/19/2022	WEBSITE	Confirmed	9/20/2022	9/21/2022	27'	1
Guest Dock	13	9/20/2022	WEBSITE	Confirmed	9/20/2022	9/21/2022	36'	1
Guest Dock	21	9/20/2022	WEBSITE	Confirmed	9/20/2022	9/23/2022	47'	3
Guest Dock	28	9/16/2022	WEBSITE	Confirmed	9/21/2022	9/22/2022	30'	1
Guest Dock	19	9/18/2022	WEBSITE	Confirmed	9/21/2022	9/23/2022	65'	2
Guest Dock	3	9/19/2022	WEBSITE	Confirmed	9/21/2022	9/22/2022	44'	1
Guest Dock	7	9/20/2022	WEBSITE	Confirmed	9/21/2022	9/22/2022	37'	1
Guest Dock	14	9/20/2022	WEBSITE	Confirmed	9/21/2022	9/22/2022		1
Guest Dock	13	9/20/2022	WEBSITE	Confirmed	9/21/2022	9/22/2022	36'	1
Guest Dock	10	9/20/2022	WEBSITE	Confirmed	9/21/2022	9/22/2022	36'	1
Guest Dock	18	9/8/2022	WEBSITE	Confirmed	9/22/2022	9/23/2022	50'	1
Guest Dock	28	9/13/2022	WEBSITE	Confirmed	9/22/2022	9/25/2022	32'	3
Guest Dock	4	9/14/2022	WEBSITE	Confirmed	9/22/2022	9/27/2022	36'	5
Guest Dock	7	9/18/2022	WEBSITE	Confirmed	9/22/2022	10/3/2022	19'	11
Guest Dock	13	9/20/2022	WEBSITE	Confirmed	9/22/2022	9/24/2022	26'	2
Guest Dock	15	9/20/2022	Moorings	Confirmed	9/22/2022	9/26/2022	45'	4
Guest Dock	5	9/22/2022	WEBSITE	Confirmed	9/22/2022	9/26/2022	25'	4
Guest Dock	10	9/22/2022	WEBSITE	Confirmed	9/22/2022	9/23/2022	36'	1
Guest Dock	12	9/22/2022	WEBSITE	Confirmed	9/22/2022	9/23/2022	36'	1
Guest Dock	3	9/22/2022	WEBSITE	Confirmed	9/22/2022	9/23/2022	46'	1
Guest Dock	3	9/9/2022	WEBSITE	Confirmed	9/23/2022	10/8/2022	57'	15
Guest Dock	19	9/10/2022	WEBSITE	Confirmed	9/23/2022	9/25/2022	65'	2
Guest Dock	12	9/12/2022	WEBSITE	Confirmed	9/23/2022	9/24/2022	42'	1
Guest Dock	21	9/19/2022	WEBSITE	Confirmed	9/23/2022	9/24/2022	58'	1
Guest Dock	14	9/20/2022	WEBSITE	Confirmed	9/23/2022	9/25/2022	50'	2
Guest Dock	10	9/22/2022	WEBSITE	Confirmed	9/23/2022	9/24/2022	36'	1
Guest Dock	2	9/23/2022	WEBSITE	Confirmed	9/23/2022	9/24/2022	34'	1
Guest Dock	6	9/22/2022	WEBSITE	Confirmed	9/24/2022	9/25/2022	33'	1
Guest Dock	13	9/22/2022	WEBSITE	Confirmed	9/24/2022	9/27/2022	26'	3
Guest Dock	2	9/23/2022	WEBSITE	Confirmed	9/24/2022	9/25/2022	15'	1
Guest Dock	28	9/21/2022	WEBSITE	Confirmed	9/25/2022	9/28/2022	40'	3
Guest Dock	14	9/23/2022	WEBSITE	Confirmed	9/25/2022	9/26/2022	26'	1
Guest Dock	12	9/24/2022	WEBSITE	Confirmed	9/25/2022	9/27/2022	50'	2
Guest Dock	14	9/15/2022	WEBSITE	Confirmed	9/26/2022	9/28/2022		2
Guest Dock	27	9/21/2022	WEBSITE	Confirmed	9/26/2022	10/11/2022	32'	15
Guest Dock	15	9/26/2022	WEBSITE	Confirmed	9/26/2022	9/27/2022	36'	1
Guest Dock	19	9/26/2022	WEBSITE	Confirmed	9/26/2022	9/27/2022	46'	1
Guest Dock	13	9/25/2022	WEBSITE	Confirmed	9/27/2022	9/30/2022	26'	3
Guest Dock	4	9/26/2022	WEBSITE	Confirmed	9/27/2022	9/30/2022	25'	3
Guest Dock	12	9/26/2022	WEBSITE	Confirmed	9/27/2022	9/28/2022	50'	1
Guest Dock	15	9/26/2022	WEBSITE	Confirmed	9/27/2022	9/29/2022	30'	2
Guest Dock	5	9/26/2022	WEBSITE	Confirmed	9/27/2022	9/28/2022	36'	1
Guest Dock	6	9/26/2022	WEBSITE	Confirmed	9/27/2022	9/28/2022	34'	1
Guest Dock	19	9/29/2022	WEBSITE	Confirmed	9/27/2022	9/30/2022	58'	3
Guest Dock	6	9/26/2022	WEBSITE	Confirmed	9/28/2022	9/29/2022	41'	1
Guest Dock	2	9/27/2022	WEBSITE	Confirmed	9/28/2022	9/29/2022	30'	1
Guest Dock	12	9/28/2022	WEBSITE	Confirmed	9/28/2022	9/29/2022	34'	1
Guest Dock	22	9/28/2022	WEBSITE	Confirmed	9/28/2022	9/30/2022	46'	2
Guest Dock	14	9/28/2022	WEBSITE	Confirmed	9/28/2022	10/5/2022	30'	7
Guest Dock	28	9/28/2022	WEBSITE	Confirmed	9/28/2022	9/29/2022	36'	1
Guest Dock	5	9/21/2022	WEBSITE	Confirmed	9/29/2022	10/7/2022	34'	8
Guest Dock	28	9/21/2022	WEBSITE	Confirmed	9/29/2022	9/30/2022	32'	1
Guest Dock	18	9/28/2022	WEBSITE	Confirmed	9/29/2022	10/1/2022	55'	2
Guest Dock	21	9/28/2022	WEBSITE	Confirmed	9/29/2022	9/30/2022	46'	1
Guest Dock	12	9/28/2022	WEBSITE	Confirmed	9/29/2022	9/30/2022	34'	1

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	16	9/29/2022	WEBSITE	Confirmed	9/29/2022	9/30/2022	36'	1
Guest Dock	26	9/29/2022	WEBSITE	Confirmed	9/29/2022	9/30/2022	39'	1
Guest Dock	6	9/29/2022	WEBSITE	Confirmed	9/29/2022	9/30/2022		1
Guest Dock	2	9/16/2022	WEBSITE	Confirmed	9/30/2022	10/4/2022	19'	4
Guest Dock	20	9/22/2022	WEBSITE	Confirmed	9/30/2022	10/2/2022	64'	2
Guest Dock	13	9/25/2022	WEBSITE	Confirmed	9/30/2022	10/3/2022	24'	3
Guest Dock	19	9/27/2022	WEBSITE	Confirmed	9/30/2022	10/1/2022	59'	1
Guest Dock	12	9/27/2022	WEBSITE	Confirmed	9/30/2022	10/2/2022	26'	2
Guest Dock	6	9/27/2022	WEBSITE	Confirmed	9/30/2022	10/3/2022	23'	3
Guest Dock	21	9/28/2022	WEBSITE	Confirmed	9/30/2022	10/1/2022	58'	1
Guest Dock	15	9/29/2022	WEBSITE	Confirmed	9/30/2022	10/4/2022	25'	4
Guest Dock	4	9/29/2022	WEBSITE	Confirmed	9/30/2022	10/2/2022	19'	2
Guest Dock	16	9/29/2022	WEBSITE	Confirmed	9/30/2022	10/3/2022	34'	3
Guest Dock	19	9/17/2022	WEBSITE	Confirmed	10/1/2022	10/16/2022	48'	15
Guest Dock	9	9/17/2022	WEBSITE	Confirmed	10/1/2022	10/6/2022	21'	5
Guest Dock	11	9/23/2022	WEBSITE	Confirmed	10/1/2022	10/2/2022	21'	1
Guest Dock	21	9/30/2022	WEBSITE	Confirmed	10/1/2022	10/2/2022	56'	1
Guest Dock	28	10/1/2022	WEBSITE	Confirmed	10/1/2022	10/3/2022	37'	2
Guest Dock	11	9/23/2022	WEBSITE	Confirmed	10/2/2022	10/4/2022	21'	2
Guest Dock	21	9/30/2022	WEBSITE	Confirmed	10/2/2022	10/3/2022	47'	1
Guest Dock	10	10/1/2022	WEBSITE	Confirmed	10/2/2022	10/4/2022	21'	2
Guest Dock	16	9/19/2022	WEBSITE	Confirmed	10/3/2022	10/5/2022		2
Guest Dock	4	9/23/2022	WEBSITE	Confirmed	10/3/2022	10/6/2022	20'	3
Guest Dock	6	10/3/2022	WEBSITE	Confirmed	10/3/2022	10/5/2022	36'	2
Guest Dock	21	10/3/2022	WEBSITE	Confirmed	10/3/2022	10/4/2022	47'	1
Guest Dock	22	10/3/2022	WEBSITE	Confirmed	10/3/2022	10/4/2022	43'	1
Guest Dock	7	10/3/2022	WEBSITE	Confirmed	10/4/2022	10/7/2022	17'	3
Guest Dock	21	10/3/2022	WEBSITE	Confirmed	10/4/2022	10/5/2022	47'	1
Guest Dock	10	10/3/2022	WEBSITE	Confirmed	10/4/2022	10/9/2022	21'	5
Guest Dock	14	10/3/2022	WEBSITE	Confirmed	10/5/2022	10/8/2022	30'	3
Guest Dock	16	10/4/2022	WEBSITE	Confirmed	10/5/2022	10/6/2022		1
Guest Dock	28	10/4/2022	WEBSITE	Confirmed	10/5/2022	10/7/2022	38'	2
Guest Dock	15	10/5/2022	WEBSITE	Confirmed	10/5/2022	10/6/2022	25'	1
Guest Dock	22	10/5/2022	WEBSITE	Confirmed	10/5/2022	10/6/2022	47'	1
Guest Dock	22	10/5/2022	WEBSITE	Confirmed	10/6/2022	10/7/2022	47'	1
Guest Dock	12	10/5/2022	WEBSITE	Confirmed	10/6/2022	10/7/2022	37'	1
Guest Dock	15	10/6/2022	WEBSITE	Confirmed	10/6/2022	10/7/2022	25'	1
Guest Dock	6	10/6/2022	WEBSITE	Confirmed	10/6/2022	10/8/2022	21'	2
Guest Dock	12	9/26/2022	WEBSITE	Confirmed	10/7/2022	10/9/2022	42'	2
Guest Dock	4	10/3/2022	WEBSITE	Confirmed	10/7/2022	10/8/2022	36'	1
Guest Dock	13	10/5/2022	Moorings	Confirmed	10/7/2022	10/11/2022	45'	4
Guest Dock	28	10/6/2022	WEBSITE	Confirmed	10/7/2022	10/8/2022	38'	1
Guest Dock	5	10/6/2022	WEBSITE	Confirmed	10/7/2022	10/8/2022	27'	1
Guest Dock	7	10/7/2022	WEBSITE	Confirmed	10/7/2022	10/8/2022	30'	1
Guest Dock	16	10/7/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022		3
Guest Dock	14	10/6/2022	WEBSITE	Confirmed	10/8/2022	10/10/2022	17'	2
Guest Dock	6	10/7/2022	WEBSITE	Confirmed	10/8/2022	10/9/2022	21'	1
Guest Dock	28	10/7/2022	WEBSITE	Confirmed	10/8/2022	10/12/2022	38'	4
Guest Dock	8	10/8/2022	WEBSITE	Confirmed	10/8/2022	10/13/2022	30'	5
Guest Dock	5	10/8/2022	WEBSITE	Confirmed	10/8/2022	10/9/2022	27'	1
Guest Dock	9	10/3/2022	WEBSITE	Confirmed	10/9/2022	10/13/2022	40'	4
Guest Dock	6	10/4/2022	WEBSITE	Confirmed	10/9/2022	10/10/2022	22'	1
Guest Dock	21	10/8/2022	WEBSITE	Confirmed	10/9/2022	10/14/2022	56'	5
Guest Dock	5	10/8/2022	WEBSITE	Confirmed	10/9/2022	10/10/2022	27'	1
Guest Dock	16	9/28/2022	WEBSITE	Confirmed	10/10/2022	10/12/2022		2
Guest Dock	11	10/7/2022	WEBSITE	Confirmed	10/10/2022	10/11/2022	35'	1
Guest Dock	3	10/8/2022	WEBSITE	Confirmed	10/10/2022	10/15/2022	40'	5
Guest Dock	26	10/9/2022	WEBSITE	Confirmed	10/10/2022	10/11/2022		1

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	10	10/9/2022	WEBSITE	Confirmed	10/10/2022	10/11/2022	21'	1
Guest Dock	12	10/9/2022	WEBSITE	Confirmed	10/10/2022	10/11/2022	36'	1
Guest Dock	7	10/9/2022	WEBSITE	Confirmed	10/10/2022	10/12/2022	37'	2
Guest Dock	15	10/10/2022	WEBSITE	Confirmed	10/10/2022	10/11/2022	25'	1
Guest Dock	2	10/10/2022	WEBSITE	Confirmed	10/10/2022	10/11/2022		1
Guest Dock	6	10/10/2022	WEBSITE	Confirmed	10/10/2022	10/12/2022	30'	2
Guest Dock	26	10/9/2022	WEBSITE	Confirmed	10/11/2022	10/14/2022		3
Guest Dock	12	10/9/2022	WEBSITE	Confirmed	10/11/2022	10/12/2022	36'	1
Guest Dock	11	10/10/2022	WEBSITE	Confirmed	10/11/2022	10/12/2022	35'	1
Guest Dock	2	10/10/2022	WEBSITE	Confirmed	10/11/2022	10/14/2022	27'	3
Guest Dock	10	10/10/2022	WEBSITE	Confirmed	10/11/2022	10/12/2022	41'	1
Guest Dock	13	10/10/2022	WEBSITE	Confirmed	10/11/2022	10/13/2022	21'	2
Guest Dock	15	10/11/2022	WEBSITE	Confirmed	10/11/2022	10/12/2022	25'	1
Guest Dock	5	10/11/2022	WEBSITE	Confirmed	10/11/2022	10/12/2022	27'	1
Guest Dock	4	10/11/2022	WEBSITE	Confirmed	10/11/2022	10/12/2022	30'	1
Guest Dock	16	10/9/2022	WEBSITE	Confirmed	10/12/2022	10/16/2022	45'	4
Guest Dock	28	10/11/2022	WEBSITE	Confirmed	10/12/2022	10/14/2022	38'	2
Guest Dock	11	10/11/2022	WEBSITE	Confirmed	10/12/2022	10/14/2022	35'	2
Guest Dock	12	10/11/2022	WEBSITE	Confirmed	10/12/2022	10/14/2022	36'	2
Guest Dock	18	9/29/2022	WEBSITE	Confirmed	10/13/2022	10/24/2022	50'	11
Guest Dock	22	9/29/2022	WEBSITE	Confirmed	10/13/2022	10/28/2022	53'	15
Guest Dock	4	9/30/2022	WEBSITE	Confirmed	10/13/2022	10/17/2022	42'	4
Guest Dock	13	10/12/2022	WEBSITE	Confirmed	10/13/2022	10/19/2022	35'	6
Guest Dock	10	10/12/2022	WEBSITE	Confirmed	10/13/2022	10/16/2022	32'	3
Guest Dock	15	10/13/2022	WEBSITE	Confirmed	10/13/2022	10/15/2022	21'	2
Guest Dock	6	10/13/2022	WEBSITE	Confirmed	10/13/2022	10/15/2022	19'	2
Guest Dock	2	9/30/2022	WEBSITE	Confirmed	10/14/2022	10/16/2022	23'	2
Guest Dock	5	10/4/2022	WEBSITE	Confirmed	10/14/2022	10/24/2022	42'	10
Guest Dock	9	10/10/2022	WEBSITE	Confirmed	10/14/2022	10/16/2022	22'	2
Guest Dock	11	10/11/2022	WEBSITE	Confirmed	10/14/2022	10/16/2022	26'	2
Guest Dock	6	10/1/2022	WEBSITE	Confirmed	10/15/2022	10/19/2022	41'	4
Guest Dock	7	10/1/2022	WEBSITE	Confirmed	10/15/2022	10/19/2022	41'	4
Guest Dock	15	10/12/2022	WEBSITE	Confirmed	10/15/2022	10/16/2022	29'	1
Guest Dock	12	10/14/2022	WEBSITE	Confirmed	10/15/2022	10/18/2022	47'	3
Guest Dock	19	10/2/2022	WEBSITE	Confirmed	10/16/2022	10/31/2022	47'	15
Guest Dock	16	10/2/2022	WEBSITE	Confirmed	10/16/2022	10/31/2022	46'	15
Guest Dock	3	10/4/2022	WEBSITE	Confirmed	10/16/2022	10/19/2022	60'	3
Guest Dock	14	10/12/2022	WEBSITE	Confirmed	10/16/2022	10/21/2022	32'	5
Guest Dock	28	10/15/2022	WEBSITE	Confirmed	10/16/2022	10/17/2022	37'	1
Guest Dock	26	10/4/2022	WEBSITE	Confirmed	10/17/2022	10/19/2022		2
Guest Dock	4	10/4/2022	WEBSITE	Confirmed	10/17/2022	10/31/2022	43'	14
Guest Dock	8	10/9/2022	WEBSITE	Confirmed	10/17/2022	10/18/2022	36'	1
Guest Dock	11	10/12/2022	WEBSITE	Confirmed	10/17/2022	10/18/2022	35'	1
Guest Dock	2	10/15/2022	WEBSITE	Confirmed	10/17/2022	10/21/2022	21'	4
Guest Dock	28	10/16/2022	WEBSITE	Confirmed	10/17/2022	10/18/2022	38'	1
Guest Dock	21	10/4/2022	WEBSITE	Confirmed	10/18/2022	10/30/2022	55'	12
Guest Dock	15	10/9/2022	WEBSITE	Confirmed	10/18/2022	10/31/2022	42'	13
Guest Dock	8	10/13/2022	WEBSITE	Confirmed	10/18/2022	10/19/2022	36'	1
Guest Dock	12	10/14/2022	WEBSITE	Confirmed	10/18/2022	10/21/2022	46'	3
Guest Dock	28	10/16/2022	WEBSITE	Confirmed	10/18/2022	10/19/2022	35'	1
Guest Dock	3	10/11/2022	WEBSITE	Confirmed	10/19/2022	10/21/2022		2
Guest Dock	26	10/12/2022	WEBSITE	Confirmed	10/19/2022	10/21/2022		2
Guest Dock	11	10/14/2022	WEBSITE	Confirmed	10/19/2022	10/25/2022	35'	6
Guest Dock	27	10/16/2022	WEBSITE	Confirmed	10/19/2022	10/23/2022	35'	4
Guest Dock	8	10/16/2022	WEBSITE	Confirmed	10/19/2022	10/21/2022	31'	2
Guest Dock	28	10/17/2022	WEBSITE	Confirmed	10/19/2022	10/21/2022	35'	2
Guest Dock	20	10/19/2022	WEBSITE	Confirmed	10/19/2022	10/20/2022	47'	1
Guest Dock	9	10/10/2022	WEBSITE	Confirmed	10/20/2022	10/27/2022	43'	7

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	20	10/19/2022	WEBSITE	Confirmed	10/20/2022	10/21/2022	46'	1
Guest Dock	10	10/19/2022	WEBSITE	Confirmed	10/20/2022	10/21/2022	37'	1
Guest Dock	10	10/7/2022	WEBSITE	Confirmed	10/21/2022	10/31/2022	43'	10
Guest Dock	7	10/7/2022	WEBSITE	Confirmed	10/21/2022	11/1/2022	38'	11
Guest Dock	2	10/7/2022	WEBSITE	Confirmed	10/21/2022	11/1/2022	31'	11
Guest Dock	3	10/11/2022	WEBSITE	Confirmed	10/21/2022	10/22/2022	40'	1
Guest Dock	13	10/12/2022	WEBSITE	Confirmed	10/21/2022	10/25/2022	32'	4
Guest Dock	14	10/17/2022	WEBSITE	Confirmed	10/21/2022	10/27/2022	41'	6
Guest Dock	28	10/19/2022	WEBSITE	Confirmed	10/21/2022	10/23/2022	32'	2
Guest Dock	26	10/20/2022	WEBSITE	Confirmed	10/21/2022	10/23/2022	37'	2
Guest Dock	3	10/8/2022	WEBSITE	Confirmed	10/22/2022	10/31/2022	40'	9
Guest Dock	8	10/22/2022	WEBSITE	Confirmed	10/22/2022	10/24/2022	42'	2
Guest Dock	27	10/9/2022	WEBSITE	Confirmed	10/23/2022	10/26/2022	35'	3
Guest Dock	28	10/11/2022	WEBSITE	Confirmed	10/23/2022	10/26/2022	39'	3
Guest Dock	12	10/22/2022	WEBSITE	Confirmed	10/23/2022	10/25/2022	48'	2
Guest Dock	8	10/10/2022	WEBSITE	Confirmed	10/24/2022	11/1/2022	41'	8
Guest Dock	18	10/10/2022	WEBSITE	Confirmed	10/24/2022	10/30/2022	56'	6
Guest Dock	5	10/10/2022	WEBSITE	Confirmed	10/24/2022	10/31/2022	39'	7
Guest Dock	11	10/11/2022	WEBSITE	Confirmed	10/25/2022	10/31/2022	35'	6
Guest Dock	13	10/13/2022	WEBSITE	Confirmed	10/25/2022	11/1/2022	48'	7
Guest Dock	12	10/23/2022	WEBSITE	Confirmed	10/25/2022	10/26/2022		1
Guest Dock	26	10/23/2022	WEBSITE	Confirmed	10/25/2022	10/26/2022	35'	1
Guest Dock	26	10/12/2022	WEBSITE	Confirmed	10/26/2022	10/28/2022	36'	2
Guest Dock	12	10/22/2022	WEBSITE	Confirmed	10/26/2022	10/28/2022	37'	2
Guest Dock	27	10/23/2022	WEBSITE	Confirmed	10/26/2022	10/27/2022		1
Guest Dock	9	10/18/2022	WEBSITE	Confirmed	10/27/2022	10/28/2022	43'	1
Guest Dock	27	10/19/2022	WEBSITE	Confirmed	10/27/2022	10/28/2022	37'	1
Guest Dock	14	10/26/2022	WEBSITE	Confirmed	10/27/2022	10/28/2022	43'	1
Guest Dock	9	10/14/2022	WEBSITE	Confirmed	10/28/2022	11/1/2022	36'	4
Guest Dock	22	10/14/2022	WEBSITE	Confirmed	10/28/2022	10/30/2022	57'	2
Guest Dock	27	10/14/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022	33'	3
Guest Dock	26	10/14/2022	WEBSITE	Confirmed	10/28/2022	10/29/2022	37'	1
Guest Dock	26	10/15/2022	WEBSITE	Confirmed	10/29/2022	10/31/2022	40'	2
Guest Dock	22	10/16/2022	WEBSITE	Confirmed	10/30/2022	10/31/2022	47'	1
Guest Dock	14	10/20/2022	WEBSITE	Confirmed	10/30/2022	10/31/2022	45'	1
Guest Dock	21	10/25/2022	WEBSITE	Confirmed	10/30/2022	10/31/2022	56'	1
Guest Dock	18	10/25/2022	WEBSITE	Confirmed	10/30/2022	10/31/2022	53'	1
Guest Dock	12	10/28/2022	WEBSITE	Confirmed	10/30/2022	10/31/2022	46'	1
Guest Dock	16	10/17/2022	WEBSITE	Confirmed	10/31/2022	11/2/2022	36'	2
Guest Dock	4	10/23/2022	WEBSITE	Confirmed	10/31/2022	11/1/2022	43'	1
Guest Dock	27	10/23/2022	WEBSITE	Confirmed	10/31/2022	11/1/2022	32'	1
Guest Dock	26	10/26/2022	WEBSITE	Confirmed	10/31/2022	11/2/2022		2
Guest Dock	6	10/27/2022	WEBSITE	Confirmed	10/31/2022	11/1/2022	37'	1
Guest Dock	21	10/27/2022	WEBSITE	Confirmed	10/31/2022	11/1/2022	47'	1
Guest Dock	3	10/18/2022	WEBSITE	Confirmed	11/1/2022	11/6/2022	56'	5
Guest Dock	28	10/23/2022	WEBSITE	Confirmed	11/1/2022	11/7/2022	32'	6
Guest Dock	18	10/26/2022	WEBSITE	Confirmed	11/1/2022	11/2/2022		1
Guest Dock	7	10/27/2022	WEBSITE	Confirmed	11/1/2022	11/4/2022	36'	3
Guest Dock	21	10/28/2022	WEBSITE	Confirmed	11/1/2022	11/3/2022	55'	2
Guest Dock	12	10/11/2022	Moorings	Confirmed	11/2/2022	11/5/2022	49'	3
Guest Dock	18	10/22/2022	WEBSITE	Confirmed	11/2/2022	11/4/2022	47'	2
Guest Dock	26	10/22/2022	WEBSITE	Confirmed	11/2/2022	11/4/2022	32'	2
Guest Dock	19	10/25/2022	WEBSITE	Confirmed	11/2/2022	11/5/2022	50'	3
Guest Dock	14	10/29/2022	WEBSITE	Confirmed	11/2/2022	11/6/2022	36'	4
Guest Dock	8	11/1/2022	WEBSITE	Confirmed	11/2/2022	11/4/2022	36'	2
Guest Dock	6	11/2/2022	WEBSITE	Confirmed	11/2/2022	11/3/2022	27'	1
Guest Dock	4	10/25/2022	WEBSITE	Confirmed	11/3/2022	11/7/2022	37'	4
Guest Dock	6	11/2/2022	WEBSITE	Confirmed	11/3/2022	11/4/2022	42'	1

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	10	11/3/2022	WEBSITE	Confirmed	11/3/2022	11/7/2022	35'	4
Guest Dock	18	11/2/2022	WEBSITE	Confirmed	11/4/2022	11/5/2022	55'	1
Guest Dock	13	11/2/2022	WEBSITE	Confirmed	11/4/2022	11/6/2022	48'	2
Guest Dock	7	11/3/2022	WEBSITE	Confirmed	11/4/2022	11/7/2022	44'	3
Guest Dock	26	11/3/2022	WEBSITE	Confirmed	11/4/2022	11/19/2022	36'	15
Guest Dock	21	11/4/2022	WEBSITE	Confirmed	11/4/2022	11/7/2022	51'	3
Guest Dock	20	11/4/2022	WEBSITE	Confirmed	11/4/2022	11/14/2022	37'	10
Guest Dock	12	10/11/2022	Moorings	Confirmed	11/5/2022	11/12/2022	49'	7
Guest Dock	5	10/25/2022	WEBSITE	Confirmed	11/5/2022	11/13/2022	22'	8
Guest Dock	11	10/27/2022	WEBSITE	Confirmed	11/5/2022	11/7/2022	16'	2
Guest Dock	16	11/4/2022	WEBSITE	Confirmed	11/5/2022	11/7/2022	34'	2
Guest Dock	18	11/1/2022	WEBSITE	Confirmed	11/6/2022	11/7/2022	45'	1
Guest Dock	22	11/2/2022	WEBSITE	Confirmed	11/6/2022	11/7/2022	55'	1
Guest Dock	3	11/4/2022	WEBSITE	Confirmed	11/6/2022	11/8/2022	56'	2
Guest Dock	8	11/4/2022	WEBSITE	Confirmed	11/6/2022	11/8/2022	35'	2
Guest Dock	16	10/26/2022	WEBSITE	Confirmed	11/7/2022	11/9/2022		2
Guest Dock	18	10/26/2022	WEBSITE	Confirmed	11/7/2022	11/9/2022	64'	2
Guest Dock	28	10/30/2022	WEBSITE	Confirmed	11/7/2022	11/22/2022	39'	15
Guest Dock	7	11/5/2022	WEBSITE	Confirmed	11/7/2022	11/10/2022	44'	3
Guest Dock	27	11/6/2022	WEBSITE	Confirmed	11/7/2022	11/10/2022	32'	3
Guest Dock	21	11/6/2022	WEBSITE	Confirmed	11/7/2022	11/8/2022	51'	1
Guest Dock	14	11/6/2022	WEBSITE	Confirmed	11/7/2022	11/9/2022	34'	2
Guest Dock	6	11/6/2022	WEBSITE	Confirmed	11/7/2022	11/9/2022	45'	2
Guest Dock	9	11/7/2022	WEBSITE	Confirmed	11/7/2022	11/8/2022	32'	1
Guest Dock	9	11/7/2022	WEBSITE	Confirmed	11/8/2022	11/12/2022	32'	4
Guest Dock	8	11/7/2022	WEBSITE	Confirmed	11/8/2022	11/9/2022	35'	1
Guest Dock	3	11/8/2022	WEBSITE	Confirmed	11/8/2022	11/9/2022	56'	1
Guest Dock	3	10/27/2022	WEBSITE	Confirmed	11/9/2022	11/11/2022	53'	2
Guest Dock	16	11/4/2022	WEBSITE	Confirmed	11/9/2022	11/10/2022	36'	1
Guest Dock	14	11/8/2022	WEBSITE	Confirmed	11/9/2022	11/10/2022	37'	1
Guest Dock	15	11/9/2022	WEBSITE	Confirmed	11/9/2022	11/11/2022	34'	2
Guest Dock	6	11/9/2022	WEBSITE	Confirmed	11/9/2022	11/10/2022	45'	1
Guest Dock	10	11/9/2022	WEBSITE	Confirmed	11/9/2022	11/15/2022	30'	6
Guest Dock	21	11/9/2022	WEBSITE	Confirmed	11/9/2022	11/10/2022	56'	1
Guest Dock	2	11/9/2022	WEBSITE	Confirmed	11/9/2022	11/10/2022	30'	1
Guest Dock	18	11/9/2022	WEBSITE	Confirmed	11/9/2022	11/10/2022	41'	1
Guest Dock	27	10/27/2022	WEBSITE	Confirmed	11/10/2022	11/15/2022	32'	5
Guest Dock	4	11/4/2022	WEBSITE	Confirmed	11/10/2022	11/13/2022	23'	3
Guest Dock	14	11/4/2022	WEBSITE	Confirmed	11/10/2022	11/14/2022	24'	4
Guest Dock	6	11/5/2022	WEBSITE	Confirmed	11/10/2022	11/13/2022	15'	3
Guest Dock	16	11/8/2022	WEBSITE	Confirmed	11/10/2022	11/11/2022	32'	1
Guest Dock	18	11/10/2022	WEBSITE	Confirmed	11/10/2022	11/11/2022	41'	1
Guest Dock	19	11/10/2022	WEBSITE	Confirmed	11/10/2022	11/11/2022	35'	1
Guest Dock	21	11/10/2022	WEBSITE	Confirmed	11/10/2022	11/11/2022	45'	1
Guest Dock	16	11/11/2022	WEBSITE	Confirmed	11/11/2022	11/12/2022	42'	1
Guest Dock	19	11/11/2022	WEBSITE	Confirmed	11/11/2022	11/12/2022	50'	1
Guest Dock	21	11/5/2022	WEBSITE	Confirmed	11/12/2022	11/20/2022	45'	8
Guest Dock	19	11/8/2022	WEBSITE	Confirmed	11/12/2022	11/15/2022	50'	3
Guest Dock	3	11/10/2022	WEBSITE	Confirmed	11/12/2022	11/13/2022	47'	1
Guest Dock	7	11/11/2022	WEBSITE	Confirmed	11/12/2022	11/14/2022	30'	2
Guest Dock	12	11/13/2022	WEBSITE	Confirmed	11/13/2022	11/18/2022	22'	5
Guest Dock	3	11/10/2022	WEBSITE	Confirmed	11/14/2022	11/16/2022	47'	2
Guest Dock	4	11/12/2022	WEBSITE	Confirmed	11/14/2022	11/15/2022	47'	1
Guest Dock	7	11/13/2022	WEBSITE	Confirmed	11/14/2022	11/16/2022	41'	2
Guest Dock	8	11/13/2022	WEBSITE	Confirmed	11/14/2022	11/15/2022	30'	1
Guest Dock	2	11/13/2022	WEBSITE	Confirmed	11/14/2022	11/15/2022	32'	1
Guest Dock	14	11/14/2022	WEBSITE	Confirmed	11/14/2022	11/17/2022	45'	3
Guest Dock	5	11/14/2022	WEBSITE	Confirmed	11/14/2022	11/15/2022	32'	1

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	9	11/14/2022	WEBSITE	Confirmed	11/14/2022	11/21/2022	43'	7
Guest Dock	6	11/14/2022	WEBSITE	Confirmed	11/14/2022	11/15/2022	37'	1
Guest Dock	5	11/12/2022	WEBSITE	Confirmed	11/15/2022	11/17/2022	37'	2
Guest Dock	27	11/13/2022	WEBSITE	Confirmed	11/15/2022	11/22/2022	36'	7
Guest Dock	8	11/13/2022	WEBSITE	Confirmed	11/15/2022	11/17/2022	30'	2
Guest Dock	19	11/14/2022	WEBSITE	Confirmed	11/15/2022	11/19/2022	46'	4
Guest Dock	10	11/14/2022	WEBSITE	Confirmed	11/15/2022	11/16/2022	32'	1
Guest Dock	4	11/14/2022	WEBSITE	Confirmed	11/15/2022	11/17/2022	32'	2
Guest Dock	22	11/15/2022	Moorings	Confirmed	11/15/2022	11/16/2022	50'	1
Guest Dock	16	11/3/2022	WEBSITE	Confirmed	11/16/2022	11/18/2022	43'	2
Guest Dock	3	11/11/2022	WEBSITE	Confirmed	11/16/2022	11/19/2022	47'	3
Guest Dock	6	11/15/2022	WEBSITE	Confirmed	11/16/2022	11/18/2022	40'	2
Guest Dock	7	11/15/2022	WEBSITE	Confirmed	11/16/2022	11/22/2022	30'	6
Guest Dock	15	11/16/2022	WEBSITE	Confirmed	11/16/2022	11/17/2022	41'	1
Guest Dock	15	11/15/2022	WEBSITE	Confirmed	11/17/2022	11/18/2022	45'	1
Guest Dock	4	11/16/2022	WEBSITE	Confirmed	11/17/2022	11/18/2022	41'	1
Guest Dock	5	11/16/2022	WEBSITE	Confirmed	11/17/2022	11/20/2022	37'	3
Guest Dock	2	11/16/2022	WEBSITE	Confirmed	11/17/2022	11/18/2022	30'	1
Guest Dock	8	11/17/2022	WEBSITE	Confirmed	11/17/2022	11/20/2022	48'	3
Guest Dock	16	11/15/2022	WEBSITE	Confirmed	11/18/2022	11/19/2022	24'	1
Guest Dock	6	11/16/2022	WEBSITE	Confirmed	11/18/2022	11/19/2022	40'	1
Guest Dock	15	11/17/2022	WEBSITE	Confirmed	11/18/2022	11/23/2022	44'	5
Guest Dock	14	11/17/2022	WEBSITE	Confirmed	11/18/2022	11/20/2022	43'	2
Guest Dock	11	11/17/2022	WEBSITE	Confirmed	11/18/2022	11/20/2022	26'	2
Guest Dock	2	11/18/2022	WEBSITE	Confirmed	11/18/2022	11/20/2022	31'	2
Guest Dock	19	11/17/2022	WEBSITE	Confirmed	11/19/2022	11/22/2022	48'	3
Guest Dock	6	11/18/2022	WEBSITE	Confirmed	11/19/2022	11/20/2022	40'	1
Guest Dock	3	11/18/2022	WEBSITE	Confirmed	11/19/2022	11/21/2022	45'	2
Guest Dock	18	11/7/2022	WEBSITE	Confirmed	11/20/2022	11/25/2022	49'	5
Guest Dock	5	11/13/2022	WEBSITE	Confirmed	11/20/2022	11/23/2022	39'	3
Guest Dock	4	11/15/2022	WEBSITE	Confirmed	11/20/2022	11/21/2022	32'	1
Guest Dock	6	11/18/2022	WEBSITE	Confirmed	11/20/2022	11/22/2022	20'	2
Guest Dock	8	11/19/2022	WEBSITE	Confirmed	11/20/2022	11/21/2022	40'	1
Guest Dock	20	11/20/2022	WEBSITE	Confirmed	11/20/2022	11/21/2022	52'	1
Guest Dock	11	11/20/2022	WEBSITE	Confirmed	11/20/2022	11/27/2022	37'	7
Guest Dock	16	11/20/2022	WEBSITE	Confirmed	11/20/2022	11/21/2022	48'	1
Guest Dock	21	11/8/2022	WEBSITE	Confirmed	11/21/2022	11/27/2022	56'	6
Guest Dock	16	11/10/2022	WEBSITE	Confirmed	11/21/2022	11/23/2022	36'	2
Guest Dock	4	11/12/2022	WEBSITE	Confirmed	11/21/2022	11/27/2022	42'	6
Guest Dock	22	11/18/2022	WEBSITE	Confirmed	11/21/2022	11/23/2022	45'	2
Guest Dock	20	11/20/2022	WEBSITE	Confirmed	11/21/2022	11/23/2022	53'	2
Guest Dock	8	11/20/2022	WEBSITE	Confirmed	11/21/2022	11/22/2022	42'	1
Guest Dock	14	11/20/2022	WEBSITE	Confirmed	11/21/2022	11/23/2022	45'	2
Guest Dock	26	11/20/2022	WEBSITE	Confirmed	11/21/2022	11/23/2022	32'	2
Guest Dock	9	11/20/2022	WEBSITE	Confirmed	11/21/2022	11/23/2022	36'	2
Guest Dock	2	11/20/2022	WEBSITE	Confirmed	11/21/2022	11/24/2022	34'	3
Guest Dock	19	11/20/2022	WEBSITE	Confirmed	11/22/2022	11/27/2022	52'	5
Guest Dock	28	11/20/2022	WEBSITE	Confirmed	11/22/2022	11/24/2022	36'	2
Guest Dock	8	11/21/2022	WEBSITE	Confirmed	11/22/2022	12/7/2022	40'	15
Guest Dock	7	11/21/2022	WEBSITE	Confirmed	11/22/2022	11/24/2022	30'	2
Guest Dock	6	11/22/2022	WEBSITE	Confirmed	11/22/2022	11/23/2022	30'	1
Guest Dock	16	11/16/2022	WEBSITE	Confirmed	11/23/2022	11/24/2022	36'	1
Guest Dock	15	11/16/2022	WEBSITE	Confirmed	11/23/2022	12/3/2022	44'	10
Guest Dock	27	11/19/2022	WEBSITE	Confirmed	11/23/2022	11/25/2022	36'	2
Guest Dock	22	11/20/2022	WEBSITE	Confirmed	11/23/2022	11/26/2022	35'	3
Guest Dock	10	11/21/2022	WEBSITE	Confirmed	11/23/2022	11/27/2022	30'	4
Guest Dock	14	11/22/2022	WEBSITE	Confirmed	11/23/2022	11/27/2022	44'	4
Guest Dock	5	11/22/2022	WEBSITE	Confirmed	11/23/2022	11/24/2022	37'	1

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	26	11/22/2022	WEBSITE	Confirmed	11/23/2022	11/24/2022	32'	1
Guest Dock	9	11/22/2022	WEBSITE	Confirmed	11/23/2022	11/24/2022	36'	1
Guest Dock	12	11/23/2022	WEBSITE	Confirmed	11/23/2022	11/26/2022	31'	3
Guest Dock	2	11/21/2022	WEBSITE	Confirmed	11/24/2022	11/25/2022	34'	1
Guest Dock	26	11/23/2022	WEBSITE	Confirmed	11/24/2022	11/25/2022	32'	1
Guest Dock	9	11/23/2022	WEBSITE	Confirmed	11/24/2022	11/25/2022	36'	1
Guest Dock	13	11/23/2022	WEBSITE	Confirmed	11/24/2022	11/29/2022	48'	5
Guest Dock	28	11/24/2022	WEBSITE	Confirmed	11/24/2022	11/30/2022	36'	6
Guest Dock	16	11/21/2022	WEBSITE	Confirmed	11/25/2022	11/26/2022	42'	1
Guest Dock	5	11/24/2022	WEBSITE	Confirmed	11/25/2022	11/27/2022	36'	2
Guest Dock	2	11/24/2022	WEBSITE	Confirmed	11/25/2022	11/26/2022	34'	1
Guest Dock	26	11/25/2022	WEBSITE	Confirmed	11/25/2022	11/26/2022	32'	1
Guest Dock	9	11/25/2022	WEBSITE	Confirmed	11/25/2022	11/26/2022	36'	1
Guest Dock	27	11/26/2022	WEBSITE	Confirmed	11/25/2022	11/26/2022	38'	1
Guest Dock	16	11/22/2022	WEBSITE	Confirmed	11/26/2022	11/28/2022	34'	2
Guest Dock	7	11/25/2022	WEBSITE	Confirmed	11/26/2022	11/27/2022	38'	1
Guest Dock	26	11/25/2022	WEBSITE	Confirmed	11/26/2022	11/30/2022	31'	4
Guest Dock	27	11/25/2022	WEBSITE	Confirmed	11/26/2022	11/28/2022	38'	2
Guest Dock	2	11/26/2022	WEBSITE	Confirmed	11/26/2022	11/27/2022	34'	1
Guest Dock	22	11/26/2022	WEBSITE	Confirmed	11/26/2022	11/27/2022	35'	1
Guest Dock	6	11/26/2022	WEBSITE	Confirmed	11/26/2022	11/27/2022	25'	1
Guest Dock	6	11/19/2022	WEBSITE	Confirmed	11/27/2022	12/1/2022	38'	4
Guest Dock	5	11/26/2022	WEBSITE	Confirmed	11/27/2022	12/3/2022	36'	6
Guest Dock	7	11/27/2022	WEBSITE	Confirmed	11/27/2022	11/28/2022	25'	1
Guest Dock	20	11/27/2022	WEBSITE	Confirmed	11/27/2022	12/1/2022	47'	4
Guest Dock	18	11/27/2022	WEBSITE	Confirmed	11/27/2022	11/30/2022	50'	3
Guest Dock	19	11/27/2022	WEBSITE	Confirmed	11/27/2022	11/28/2022	52'	1
Guest Dock	3	11/16/2022	WEBSITE	Confirmed	11/28/2022	12/13/2022	52'	15
Guest Dock	16	11/19/2022	WEBSITE	Confirmed	11/28/2022	11/30/2022	36'	2
Guest Dock	12	11/22/2022	WEBSITE	Confirmed	11/28/2022	12/5/2022	45'	7
Guest Dock	19	11/26/2022	WEBSITE	Confirmed	11/28/2022	12/1/2022	52'	3
Guest Dock	22	11/28/2022	WEBSITE	Confirmed	11/28/2022	12/1/2022	45'	3
Guest Dock	14	11/28/2022	WEBSITE	Confirmed	11/28/2022	11/30/2022	45'	2
Guest Dock	27	11/28/2022	WEBSITE	Confirmed	11/28/2022	11/29/2022	38'	1
Guest Dock	9	11/28/2022	WEBSITE	Confirmed	11/28/2022	11/30/2022	31'	2
Guest Dock	21	11/28/2022	WEBSITE	Confirmed	11/29/2022	12/10/2022	54'	11
Guest Dock	13	11/29/2022	WEBSITE	Confirmed	11/29/2022	12/1/2022	48'	2
Guest Dock	16	11/25/2022	WEBSITE	Confirmed	11/30/2022	12/1/2022	36'	1
Guest Dock	4	11/26/2022	WEBSITE	Confirmed	11/30/2022	12/5/2022	42'	5
Guest Dock	18	11/28/2022	WEBSITE	Confirmed	11/30/2022	12/4/2022	50'	4
Guest Dock	14	11/29/2022	WEBSITE	Confirmed	11/30/2022	12/1/2022	45'	1
Guest Dock	9	11/29/2022	WEBSITE	Confirmed	11/30/2022	12/2/2022	31'	2
Guest Dock	6	11/29/2022	WEBSITE	Confirmed	12/1/2022	12/3/2022	38'	2
Guest Dock	16	11/30/2022	WEBSITE	Confirmed	12/1/2022	12/3/2022	43'	2
Guest Dock	28	11/30/2022	WEBSITE	Confirmed	12/1/2022	12/2/2022	32'	1
Guest Dock	13	12/1/2022	WEBSITE	Confirmed	12/1/2022	12/2/2022	45'	1
Guest Dock	14	12/1/2022	WEBSITE	Confirmed	12/1/2022	12/6/2022	45'	5
Guest Dock	2	11/29/2022	WEBSITE	Confirmed	12/2/2022	12/3/2022	32'	1
Guest Dock	7	12/1/2022	WEBSITE	Confirmed	12/2/2022	12/4/2022	37'	2
Guest Dock	20	12/1/2022	WEBSITE	Confirmed	12/2/2022	12/3/2022	48'	1
Guest Dock	9	12/1/2022	WEBSITE	Confirmed	12/2/2022	12/4/2022	31'	2
Guest Dock	19	11/27/2022	WEBSITE	Confirmed	12/3/2022	12/4/2022	65'	1
Guest Dock	15	11/30/2022	WEBSITE	Confirmed	12/3/2022	12/4/2022	43'	1
Guest Dock	16	12/2/2022	WEBSITE	Confirmed	12/3/2022	12/4/2022	43'	1
Guest Dock	5	12/2/2022	WEBSITE	Confirmed	12/3/2022	12/5/2022	27'	2
Guest Dock	2	12/2/2022	WEBSITE	Confirmed	12/4/2022	12/5/2022	31'	1
Guest Dock	9	12/3/2022	WEBSITE	Confirmed	12/4/2022	12/5/2022	31'	1
Guest Dock	18	12/3/2022	WEBSITE	Confirmed	12/4/2022	12/5/2022	58'	1

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	7	12/4/2022	WEBSITE	Confirmed	12/4/2022	12/5/2022	38'	1
Guest Dock	16	11/27/2022	WEBSITE	Confirmed	12/5/2022	12/7/2022	36'	2
Guest Dock	4	11/30/2022	WEBSITE	Confirmed	12/5/2022	12/7/2022	41'	2
Guest Dock	7	12/2/2022	WEBSITE	Confirmed	12/5/2022	12/7/2022	44'	2
Guest Dock	2	12/4/2022	WEBSITE	Confirmed	12/5/2022	12/6/2022	34'	1
Guest Dock	9	12/4/2022	WEBSITE	Confirmed	12/5/2022	12/7/2022	31'	2
Guest Dock	28	12/4/2022	WEBSITE	Confirmed	12/5/2022	12/6/2022	32'	1
Guest Dock	27	12/4/2022	WEBSITE	Confirmed	12/5/2022	12/6/2022	32'	1
Guest Dock	12	12/4/2022	WEBSITE	Confirmed	12/5/2022	12/6/2022	47'	1
Guest Dock	18	12/5/2022	WEBSITE	Confirmed	12/5/2022	12/6/2022	58'	1
Guest Dock	20	12/5/2022	WEBSITE	Confirmed	12/5/2022	12/12/2022	61'	7
Guest Dock	14	11/29/2022	WEBSITE	Confirmed	12/6/2022	12/9/2022	37'	3
Guest Dock	5	12/3/2022	WEBSITE	Confirmed	12/6/2022	12/8/2022	37'	2
Guest Dock	2	12/5/2022	WEBSITE	Confirmed	12/6/2022	12/7/2022	34'	1
Guest Dock	15	12/6/2022	WEBSITE	Confirmed	12/6/2022	12/10/2022	45'	4
Guest Dock	12	12/6/2022	WEBSITE	Confirmed	12/6/2022	12/8/2022	47'	2
Guest Dock	18	12/6/2022	WEBSITE	Confirmed	12/6/2022	12/7/2022	58'	1
Guest Dock	22	12/6/2022	WEBSITE	Confirmed	12/6/2022	12/7/2022	48'	1
Guest Dock	16	12/1/2022	WEBSITE	Confirmed	12/7/2022	12/8/2022	36'	1
Guest Dock	4	12/5/2022	WEBSITE	Confirmed	12/7/2022	12/8/2022	42'	1
Guest Dock	9	12/6/2022	WEBSITE	Confirmed	12/7/2022	12/13/2022	31'	6
Guest Dock	22	12/7/2022	WEBSITE	Confirmed	12/7/2022	12/8/2022	48'	1
Guest Dock	18	12/7/2022	WEBSITE	Confirmed	12/7/2022	12/8/2022	58'	1
Guest Dock	18	11/30/2022	WEBSITE	Confirmed	12/8/2022	12/11/2022	50'	3
Guest Dock	6	12/3/2022	WEBSITE	Confirmed	12/8/2022	12/10/2022	44'	2
Guest Dock	16	12/5/2022	WEBSITE	Confirmed	12/8/2022	12/9/2022	36'	1
Guest Dock	12	12/7/2022	WEBSITE	Confirmed	12/8/2022	12/9/2022	37'	1
Guest Dock	13	12/8/2022	WEBSITE	Confirmed	12/8/2022	12/9/2022	47'	1
Guest Dock	22	12/8/2022	WEBSITE	Confirmed	12/8/2022	12/9/2022	58'	1
Guest Dock	10	12/8/2022	WEBSITE	Confirmed	12/8/2022	12/9/2022	36'	1
Guest Dock	4	12/8/2022	WEBSITE	Confirmed	12/8/2022	12/9/2022	42'	1
Guest Dock	27	11/25/2022	WEBSITE	Confirmed	12/9/2022	12/12/2022	38'	3
Guest Dock	5	11/25/2022	WEBSITE	Confirmed	12/9/2022	12/13/2022	42'	4
Guest Dock	22	12/4/2022	WEBSITE	Confirmed	12/9/2022	12/12/2022	46'	3
Guest Dock	12	12/7/2022	WEBSITE	Confirmed	12/9/2022	12/10/2022	26'	1
Guest Dock	14	12/8/2022	WEBSITE	Confirmed	12/9/2022	12/12/2022	30'	3
Guest Dock	26	12/2/2022	WEBSITE	Confirmed	12/10/2022	12/20/2022	38'	10
Guest Dock	21	12/5/2022	WEBSITE	Confirmed	12/10/2022	12/15/2022	54'	5
Guest Dock	2	12/9/2022	WEBSITE	Confirmed	12/10/2022	12/15/2022	30'	5
Guest Dock	16	11/29/2022	WEBSITE	Confirmed	12/11/2022	12/15/2022	37'	4
Guest Dock	18	12/4/2022	WEBSITE	Confirmed	12/11/2022	12/13/2022	57'	2
Guest Dock	19	12/4/2022	WEBSITE	Confirmed	12/11/2022	12/13/2022		2
Guest Dock	14	12/9/2022	WEBSITE	Confirmed	12/12/2022	12/14/2022	36'	2
Guest Dock	27	12/10/2022	WEBSITE	Confirmed	12/12/2022	12/13/2022	38'	1
Guest Dock	4	12/10/2022	WEBSITE	Confirmed	12/12/2022	12/14/2022	43'	2
Guest Dock	6	12/10/2022	WEBSITE	Confirmed	12/12/2022	12/14/2022	32'	2
Guest Dock	13	12/11/2022	WEBSITE	Confirmed	12/12/2022	12/13/2022	30'	1
Guest Dock	22	12/11/2022	WEBSITE	Confirmed	12/12/2022	12/13/2022	46'	1
Guest Dock	10	12/11/2022	WEBSITE	Confirmed	12/12/2022	12/13/2022	43'	1
Guest Dock	3	11/29/2022	WEBSITE	Confirmed	12/13/2022	12/17/2022	57'	4
Guest Dock	27	12/8/2022	WEBSITE	Confirmed	12/13/2022	12/14/2022	32'	1
Guest Dock	10	12/12/2022	WEBSITE	Confirmed	12/13/2022	12/14/2022	43'	1
Guest Dock	12	12/12/2022	WEBSITE	Confirmed	12/13/2022	12/15/2022	36'	2
Guest Dock	6	12/10/2022	WEBSITE	Confirmed	12/14/2022	12/15/2022	42'	1
Guest Dock	27	12/11/2022	WEBSITE	Confirmed	12/14/2022	12/15/2022	32'	1
Guest Dock	18	12/13/2022	WEBSITE	Confirmed	12/14/2022	12/17/2022	52'	3
Guest Dock	9	12/14/2022	WEBSITE	Confirmed	12/14/2022	12/15/2022	16'	1
Guest Dock	5	12/14/2022	WEBSITE	Confirmed	12/14/2022	12/15/2022	32'	1

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	11	12/14/2022	WEBSITE	Confirmed	12/14/2022	12/15/2022	34'	1
Guest Dock	28	12/14/2022	WEBSITE	Confirmed	12/14/2022	12/15/2022	30'	1
Guest Dock	20	12/14/2022	WEBSITE	Confirmed	12/14/2022	12/16/2022	61'	2
Guest Dock	16	12/13/2022	WEBSITE	Confirmed	12/15/2022	12/18/2022	37'	3
Guest Dock	12	12/13/2022	WEBSITE	Confirmed	12/15/2022	12/16/2022	26'	1
Guest Dock	5	12/15/2022	WEBSITE	Confirmed	12/15/2022	12/16/2022	32'	1
Guest Dock	10	12/15/2022	WEBSITE	Confirmed	12/15/2022	12/16/2022	34'	1
Guest Dock	28	12/15/2022	WEBSITE	Confirmed	12/15/2022	12/16/2022	30'	1
Guest Dock	27	12/15/2022	WEBSITE	Confirmed	12/15/2022	12/16/2022	32'	1
Guest Dock	14	12/15/2022	WEBSITE	Confirmed	12/15/2022	12/16/2022	36'	1
Guest Dock	7	12/15/2022	WEBSITE	Confirmed	12/15/2022	12/16/2022	38'	1
Guest Dock	5	12/15/2022	WEBSITE	Confirmed	12/16/2022	12/26/2022	37'	10
Guest Dock	11	12/15/2022	WEBSITE	Confirmed	12/16/2022	12/31/2022		15
Guest Dock	27	12/15/2022	WEBSITE	Confirmed	12/16/2022	12/17/2022	30'	1
Guest Dock	10	12/15/2022	WEBSITE	Confirmed	12/16/2022	12/17/2022	34'	1
Guest Dock	2	12/16/2022	WEBSITE	Confirmed	12/16/2022	12/26/2022	30'	10
Guest Dock	3	12/14/2022	WEBSITE	Confirmed	12/17/2022	12/19/2022	57'	2
Guest Dock	4	12/17/2022	WEBSITE	Confirmed	12/17/2022	12/23/2022	22'	6
Guest Dock	18	12/17/2022	WEBSITE	Confirmed	12/17/2022	12/19/2022	52'	2
Guest Dock	27	12/17/2022	WEBSITE	Confirmed	12/17/2022	12/18/2022	30'	1
Guest Dock	14	12/17/2022	WEBSITE	Confirmed	12/18/2022	12/19/2022	39'	1
Guest Dock	7	12/17/2022	WEBSITE	Confirmed	12/18/2022	12/20/2022	38'	2
Guest Dock	28	12/18/2022	WEBSITE	Confirmed	12/18/2022	12/19/2022	34'	1
Guest Dock	15	12/18/2022	WEBSITE	Confirmed	12/18/2022	12/20/2022	50'	2
Guest Dock	16	12/18/2022	WEBSITE	Confirmed	12/18/2022	12/19/2022	37'	1
Guest Dock	13	12/18/2022	WEBSITE	Confirmed	12/18/2022	12/19/2022	30'	1
Guest Dock	16	12/13/2022	WEBSITE	Confirmed	12/19/2022	12/20/2022	36'	1
Guest Dock	12	12/15/2022	WEBSITE	Confirmed	12/19/2022	12/21/2022	37'	2
Guest Dock	28	12/15/2022	WEBSITE	Confirmed	12/19/2022	12/20/2022	32'	1
Guest Dock	3	12/18/2022	WEBSITE	Confirmed	12/19/2022	12/20/2022	57'	1
Guest Dock	19	12/18/2022	WEBSITE	Confirmed	12/19/2022	12/22/2022	45'	3
Guest Dock	27	12/19/2022	WEBSITE	Confirmed	12/19/2022	12/20/2022	32'	1
Guest Dock	14	12/19/2022	WEBSITE	Confirmed	12/19/2022	12/20/2022	36'	1
Guest Dock	10	12/19/2022	WEBSITE	Confirmed	12/19/2022	12/20/2022	34'	1
Guest Dock	13	12/19/2022	WEBSITE	Confirmed	12/19/2022	12/20/2022	30'	1
Guest Dock	8	12/19/2022	WEBSITE	Confirmed	12/19/2022	12/21/2022	40'	2
Guest Dock	26	12/12/2022	WEBSITE	Confirmed	12/20/2022	12/25/2022	38'	5
Guest Dock	16	12/13/2022	WEBSITE	Confirmed	12/20/2022	12/21/2022	36'	1
Guest Dock	14	12/20/2022	WEBSITE	Confirmed	12/20/2022	12/21/2022	34'	1
Guest Dock	9	12/20/2022	WEBSITE	Confirmed	12/20/2022	12/21/2022	38'	1
Guest Dock	13	12/20/2022	WEBSITE	Confirmed	12/20/2022	12/21/2022	30'	1
Guest Dock	15	12/20/2022	WEBSITE	Confirmed	12/20/2022	12/21/2022	42'	1
Guest Dock	18	12/10/2022	WEBSITE	Confirmed	12/21/2022	12/23/2022	50'	2
Guest Dock	9	12/20/2022	WEBSITE	Confirmed	12/21/2022	12/22/2022	38'	1
Guest Dock	8	12/20/2022	WEBSITE	Confirmed	12/21/2022	1/2/2023	40'	12
Guest Dock	10	12/20/2022	WEBSITE	Confirmed	12/21/2022	12/23/2022	32'	2
Guest Dock	15	12/21/2022	WEBSITE	Confirmed	12/21/2022	12/22/2022	34'	1
Guest Dock	12	12/21/2022	WEBSITE	Confirmed	12/21/2022	12/22/2022	30'	1
Guest Dock	7	12/21/2022	WEBSITE	Confirmed	12/21/2022	12/25/2022	47'	4
Guest Dock	9	12/21/2022	WEBSITE	Confirmed	12/22/2022	12/23/2022	38'	1
Guest Dock	19	12/21/2022	WEBSITE	Confirmed	12/22/2022	12/24/2022	45'	2
Guest Dock	18	12/10/2022	WEBSITE	Confirmed	12/23/2022	12/26/2022	50'	3
Guest Dock	3	12/14/2022	WEBSITE	Confirmed	12/23/2022	12/26/2022	46'	3
Guest Dock	27	12/14/2022	WEBSITE	Confirmed	12/23/2022	12/27/2022	32'	4
Guest Dock	12	12/14/2022	WEBSITE	Confirmed	12/23/2022	12/27/2022	36'	4
Guest Dock	6	12/15/2022	WEBSITE	Confirmed	12/23/2022	12/29/2022	24'	6
Guest Dock	14	12/23/2022	WEBSITE	Confirmed	12/23/2022	12/24/2022	18'	1
Guest Dock	28	12/15/2022	WEBSITE	Confirmed	12/24/2022	12/27/2022	32'	3

2022 Transient Dock Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
Guest Dock	16	12/18/2022	WEBSITE	Confirmed	12/24/2022	12/26/2022	36'	2
Guest Dock	15	12/24/2022	WEBSITE	Confirmed	12/24/2022	12/25/2022	36'	1
Guest Dock	9	12/21/2022	WEBSITE	Confirmed	12/25/2022	12/26/2022	30'	1
Guest Dock	7	12/23/2022	WEBSITE	Confirmed	12/25/2022	12/30/2022	37'	5
Guest Dock	15	12/23/2022	WEBSITE	Confirmed	12/25/2022	12/29/2022	36'	4
Guest Dock	20	12/23/2022	WEBSITE	Confirmed	12/25/2022	1/4/2023	47'	10
Guest Dock	10	12/18/2022	WEBSITE	Confirmed	12/26/2022	12/27/2022	30'	1
Guest Dock	26	12/18/2022	WEBSITE	Confirmed	12/26/2022	12/27/2022	36'	1
Guest Dock	18	12/21/2022	WEBSITE	Confirmed	12/26/2022	12/27/2022	52'	1
Guest Dock	19	12/22/2022	WEBSITE	Confirmed	12/26/2022	12/27/2022	50'	1
Guest Dock	9	12/26/2022	WEBSITE	Confirmed	12/26/2022	12/30/2022	38'	4
Guest Dock	3	12/27/2022	Moorings	Confirmed	12/26/2022	12/29/2022	30'	3
Guest Dock	2	12/12/2022	WEBSITE	Confirmed	12/27/2022	1/4/2023	30'	8
Guest Dock	21	12/14/2022	WEBSITE	Confirmed	12/27/2022	12/29/2022	45'	2
Guest Dock	28	12/23/2022	WEBSITE	Confirmed	12/27/2022	12/28/2022	32'	1
Guest Dock	27	12/24/2022	WEBSITE	Confirmed	12/27/2022	1/3/2023	30'	7
Guest Dock	26	12/25/2022	WEBSITE	Confirmed	12/27/2022	12/28/2022	36'	1
Guest Dock	16	12/26/2022	WEBSITE	Confirmed	12/27/2022	12/28/2022	32'	1
Guest Dock	12	12/26/2022	WEBSITE	Confirmed	12/27/2022	12/28/2022	36'	1
Guest Dock	10	12/26/2022	WEBSITE	Confirmed	12/27/2022	12/28/2022	30'	1
Guest Dock	28	12/24/2022	WEBSITE	Confirmed	12/28/2022	12/29/2022	32'	1
Guest Dock	14	12/27/2022	WEBSITE	Confirmed	12/28/2022	12/29/2022	30'	1
Guest Dock	16	12/28/2022	WEBSITE	Confirmed	12/28/2022	12/29/2022	37'	1
Guest Dock	28	12/24/2022	WEBSITE	Confirmed	12/29/2022	12/30/2022	32'	1
Guest Dock	16	12/27/2022	WEBSITE	Confirmed	12/29/2022	12/30/2022	34'	1
Guest Dock	12	12/29/2022	WEBSITE	Confirmed	12/29/2022	12/30/2022	30'	1
Guest Dock	26	12/29/2022	WEBSITE	Confirmed	12/29/2022	12/30/2022	32'	1
Guest Dock	10	12/29/2022	WEBSITE	Confirmed	12/29/2022	12/30/2022	36'	1
Guest Dock	4	12/22/2022	WEBSITE	Confirmed	12/30/2022	12/31/2022	34'	1
Guest Dock	14	12/29/2022	WEBSITE	Confirmed	12/30/2022	12/31/2022	36'	1
Guest Dock	26	12/29/2022	WEBSITE	Confirmed	12/30/2022	12/31/2022	32'	1
Guest Dock	19	12/30/2022	WEBSITE	Confirmed	12/30/2022	12/31/2022	45'	1
Guest Dock	4	12/24/2022	WEBSITE	Confirmed	12/31/2022	1/1/2023	34'	1
Guest Dock	12	12/24/2022	WEBSITE	Confirmed	12/31/2022	1/1/2023	25'	1
Guest Dock	14	12/30/2022	WEBSITE	Confirmed	12/31/2022	1/2/2023	36'	2
Guest Dock	13	12/30/2022	WEBSITE	Confirmed	12/31/2022	1/1/2023	33'	1

2022 Weekend Anchorage Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
A1 La Playa Cove	A1 Anchorage	12/30/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022	43'	3
A1 La Playa Cove	A1 Anchorage	12/2/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022	36'	3
A1 La Playa Cove	A1 Anchorage	12/10/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022	30'	3
A1 La Playa Cove	A1 Anchorage	12/22/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022	32'	3
A1 La Playa Cove	A1 Anchorage	12/21/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022	40'	3
A1 La Playa Cove	A1 Anchorage	1/1/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022	35'	3
A1 La Playa Cove	A1 Anchorage	12/23/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022	60'	3
A1 La Playa Cove	A1 Anchorage	11/22/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022	34'	3
A1 La Playa Cove	A1 Anchorage	2/21/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022	37'	3
A1 La Playa Cove	A1 Anchorage	10/29/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022	42'	3
A1 La Playa Cove	A1 Anchorage	6/12/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022	49'	3
A1 La Playa Cove	A1 Anchorage	10/6/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022	47'	3
A1 La Playa Cove	A1 Anchorage	11/28/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022	50'	3
A1 La Playa Cove	A1 Anchorage	12/26/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022	43'	3
A1 La Playa Cove	A1 Anchorage	12/29/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022	54'	3
A1 La Playa Cove	A1 Anchorage	10/6/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022	34'	3
A1 La Playa Cove	A1 Anchorage	5/31/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022	32'	3
A1 La Playa Cove	A1 Anchorage	3/16/2021	Moorings	Confirmed	12/31/2021	1/3/2022	38'	3
A1 La Playa Cove	A1 Anchorage	6/30/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022	30'	3
A1 La Playa Cove	A1 Anchorage	11/21/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022	30'	3
A1 La Playa Cove	A1 Anchorage	11/30/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022	26'	3
A1 La Playa Cove	A1 Anchorage	12/9/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022	34'	3
A1 La Playa Cove	A1 Anchorage	4/26/2021	Moorings	Confirmed	12/31/2021	1/3/2022	36'	3
A1 La Playa Cove	A1 Anchorage	12/30/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022	37'	3
A1 La Playa Cove	A1 Anchorage	1/7/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022	42'	3
A1 La Playa Cove	A1 Anchorage	12/30/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022	37'	3
A1 La Playa Cove	A1 Anchorage	12/29/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022	43'	3
A1 La Playa Cove	A1 Anchorage	6/8/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022		3
A1 La Playa Cove	A1 Anchorage	11/6/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022	48'	3
A1 La Playa Cove	A1 Anchorage	12/30/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022	46'	3
A1 La Playa Cove	A1 Anchorage	12/9/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022	39'	3
A1 La Playa Cove	A1 Anchorage	11/26/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022	40'	3
A1 La Playa Cove	A1 Anchorage	12/7/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022	47'	3
A1 La Playa Cove	A1 Anchorage	11/26/2021	WEBSITE	Confirmed	12/31/2021	1/3/2022	20'	3
A1 La Playa Cove	A1 Anchorage	1/7/2021	WEBSITE	Confirmed	1/7/2022	1/10/2022	42'	3
A1 La Playa Cove	A1 Anchorage	5/6/2021	WEBSITE	Confirmed	1/7/2022	1/10/2022	64'	3
A1 La Playa Cove	A1 Anchorage	8/10/2021	WEBSITE	Confirmed	1/7/2022	1/10/2022	34'	3
A1 La Playa Cove	A1 Anchorage	10/15/2021	WEBSITE	Confirmed	1/7/2022	1/10/2022	32'	3
A1 La Playa Cove	A1 Anchorage	11/18/2021	WEBSITE	Confirmed	1/7/2022	1/10/2022	41'	3
A1 La Playa Cove	A1 Anchorage	11/25/2021	WEBSITE	Confirmed	1/7/2022	1/10/2022		3
A1 La Playa Cove	A1 Anchorage	11/26/2021	WEBSITE	Confirmed	1/7/2022	1/10/2022	20'	3
A1 La Playa Cove	A1 Anchorage	12/9/2021	WEBSITE	Confirmed	1/7/2022	1/10/2022	34'	3
A1 La Playa Cove	A1 Anchorage	12/21/2021	WEBSITE	Confirmed	1/7/2022	1/10/2022	39'	3
A1 La Playa Cove	A1 Anchorage	12/25/2021	WEBSITE	Confirmed	1/7/2022	1/10/2022	37'	3
A1 La Playa Cove	A1 Anchorage	12/30/2021	WEBSITE	Confirmed	1/7/2022	1/10/2022	34'	3
A1 La Playa Cove	A1 Anchorage	12/31/2021	WEBSITE	Confirmed	1/7/2022	1/10/2022	23'	3
A1 La Playa Cove	A1 Anchorage	1/1/2022	WEBSITE	Confirmed	1/7/2022	1/10/2022	26'	3
A1 La Playa Cove	A1 Anchorage	1/1/2022	WEBSITE	Confirmed	1/7/2022	1/10/2022	36'	3
A1 La Playa Cove	A1 Anchorage	1/4/2022	WEBSITE	Confirmed	1/7/2022	1/10/2022	60'	3
A1 La Playa Cove	A1 Anchorage	1/4/2022	WEBSITE	Confirmed	1/7/2022	1/10/2022	38'	3
A1 La Playa Cove	A1 Anchorage	1/5/2022	WEBSITE	Confirmed	1/7/2022	1/10/2022		3
A1 La Playa Cove	A1 Anchorage	1/6/2022	WEBSITE	Confirmed	1/7/2022	1/10/2022	47'	3
A1 La Playa Cove	A1 Anchorage	1/6/2022	WEBSITE	Confirmed	1/7/2022	1/10/2022	29'	3
A1 La Playa Cove	A1 Anchorage	1/6/2022	WEBSITE	Confirmed	1/7/2022	1/10/2022	30'	3
A1 La Playa Cove	A1 Anchorage	1/7/2022	WEBSITE	Confirmed	1/7/2022	1/10/2022	36'	3
A1 La Playa Cove	A1 Anchorage	1/7/2022	WEBSITE	Confirmed	1/7/2022	1/10/2022		3
A1 La Playa Cove	A1 Anchorage	6/6/2021	WEBSITE	Confirmed	1/14/2022	1/17/2022	37'	3
A1 La Playa Cove	A1 Anchorage	7/15/2021	WEBSITE	Confirmed	1/14/2022	1/17/2022	44'	3

2022 Weekend Anchorage Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
A1 La Playa Cove	A1 Anchorage	9/1/2021	WEBSITE	Confirmed	1/14/2022	1/17/2022	42'	3
A1 La Playa Cove	A1 Anchorage	10/23/2021	WEBSITE	Confirmed	1/14/2022	1/17/2022	38'	3
A1 La Playa Cove	A1 Anchorage	11/18/2021	WEBSITE	Confirmed	1/14/2022	1/17/2022	41'	3
A1 La Playa Cove	A1 Anchorage	11/26/2021	WEBSITE	Confirmed	1/14/2022	1/17/2022	20'	3
A1 La Playa Cove	A1 Anchorage	12/9/2021	WEBSITE	Confirmed	1/14/2022	1/17/2022	34'	3
A1 La Playa Cove	A1 Anchorage	12/10/2021	WEBSITE	Confirmed	1/14/2022	1/17/2022		3
A1 La Playa Cove	A1 Anchorage	12/27/2021	WEBSITE	Confirmed	1/14/2022	1/17/2022	37'	3
A1 La Playa Cove	A1 Anchorage	12/27/2021	WEBSITE	Confirmed	1/14/2022	1/17/2022	30'	3
A1 La Playa Cove	A1 Anchorage	12/30/2021	WEBSITE	Confirmed	1/14/2022	1/17/2022	34'	3
A1 La Playa Cove	A1 Anchorage	12/31/2021	WEBSITE	Confirmed	1/14/2022	1/17/2022	23'	3
A1 La Playa Cove	A1 Anchorage	1/3/2022	WEBSITE	Confirmed	1/14/2022	1/17/2022	42'	3
A1 La Playa Cove	A1 Anchorage	1/10/2022	WEBSITE	Confirmed	1/14/2022	1/17/2022	30'	3
A1 La Playa Cove	A1 Anchorage	1/10/2022	WEBSITE	Confirmed	1/14/2022	1/17/2022	48'	3
A1 La Playa Cove	A1 Anchorage	1/11/2022	WEBSITE	Confirmed	1/14/2022	1/17/2022	34'	3
A1 La Playa Cove	A1 Anchorage	1/12/2022	WEBSITE	Confirmed	1/14/2022	1/17/2022	30'	3
A1 La Playa Cove	A1 Anchorage	1/12/2022	WEBSITE	Confirmed	1/14/2022	1/17/2022	25'	3
A1 La Playa Cove	A1 Anchorage	1/13/2022	WEBSITE	Confirmed	1/14/2022	1/17/2022	31'	3
A1 La Playa Cove	A1 Anchorage	1/13/2022	WEBSITE	Confirmed	1/14/2022	1/17/2022	29'	3
A1 La Playa Cove	A1 Anchorage	1/13/2022	WEBSITE	Confirmed	1/14/2022	1/17/2022	36'	3
A1 La Playa Cove	A1 Anchorage	1/14/2022	WEBSITE	Confirmed	1/14/2022	1/17/2022		3
A1 La Playa Cove	A1 Anchorage	3/16/2021	WEBSITE	Confirmed	1/21/2022	1/24/2022	35'	3
A1 La Playa Cove	A1 Anchorage	5/6/2021	WEBSITE	Confirmed	1/21/2022	1/24/2022	64'	3
A1 La Playa Cove	A1 Anchorage	6/28/2021	WEBSITE	Confirmed	1/21/2022	1/24/2022	37'	3
A1 La Playa Cove	A1 Anchorage	7/15/2021	WEBSITE	Confirmed	1/21/2022	1/24/2022	44'	3
A1 La Playa Cove	A1 Anchorage	9/1/2021	WEBSITE	Confirmed	1/21/2022	1/24/2022	42'	3
A1 La Playa Cove	A1 Anchorage	10/15/2021	WEBSITE	Confirmed	1/21/2022	1/24/2022	32'	3
A1 La Playa Cove	A1 Anchorage	11/18/2021	WEBSITE	Confirmed	1/21/2022	1/24/2022	41'	3
A1 La Playa Cove	A1 Anchorage	11/22/2021	WEBSITE	Confirmed	1/21/2022	1/24/2022	34'	3
A1 La Playa Cove	A1 Anchorage	11/25/2021	WEBSITE	Confirmed	1/21/2022	1/24/2022		3
A1 La Playa Cove	A1 Anchorage	11/26/2021	WEBSITE	Confirmed	1/21/2022	1/24/2022	20'	3
A1 La Playa Cove	A1 Anchorage	11/29/2021	WEBSITE	Confirmed	1/21/2022	1/24/2022	48'	3
A1 La Playa Cove	A1 Anchorage	11/29/2021	Moorings	Confirmed	1/21/2022	1/24/2022	48'	3
A1 La Playa Cove	A1 Anchorage	11/29/2021	Moorings	Confirmed	1/21/2022	1/24/2022	38'	3
A1 La Playa Cove	A1 Anchorage	11/29/2021	Moorings	Confirmed	1/21/2022	1/24/2022	45'	3
A1 La Playa Cove	A1 Anchorage	11/29/2021	Moorings	Confirmed	1/21/2022	1/24/2022	57'	3
A1 La Playa Cove	A1 Anchorage	11/29/2021	Moorings	Confirmed	1/21/2022	1/24/2022		3
A1 La Playa Cove	A1 Anchorage	11/29/2021	Moorings	Confirmed	1/21/2022	1/24/2022		3
A1 La Playa Cove	A1 Anchorage	11/29/2021	Moorings	Confirmed	1/21/2022	1/24/2022		3
A1 La Playa Cove	A1 Anchorage	11/29/2021	Moorings	Confirmed	1/21/2022	1/24/2022		3
A1 La Playa Cove	A1 Anchorage	11/29/2021	Moorings	Confirmed	1/21/2022	1/24/2022		3
A1 La Playa Cove	A1 Anchorage	11/29/2021	Moorings	Confirmed	1/21/2022	1/24/2022		3
A1 La Playa Cove	A1 Anchorage	12/1/2021	WEBSITE	Confirmed	1/21/2022	1/24/2022	38'	3
A1 La Playa Cove	A1 Anchorage	12/9/2021	WEBSITE	Confirmed	1/21/2022	1/24/2022	34'	3
A1 La Playa Cove	A1 Anchorage	12/10/2021	WEBSITE	Confirmed	1/21/2022	1/24/2022		3
A1 La Playa Cove	A1 Anchorage	12/18/2021	WEBSITE	Confirmed	1/21/2022	1/24/2022	47'	3
A1 La Playa Cove	A1 Anchorage	12/22/2021	WEBSITE	Confirmed	1/21/2022	1/24/2022	23'	3
A1 La Playa Cove	A1 Anchorage	12/22/2021	WEBSITE	Confirmed	1/21/2022	1/24/2022	23'	3
A1 La Playa Cove	A1 Anchorage	12/22/2021	WEBSITE	Confirmed	1/21/2022	1/24/2022	26'	3
A1 La Playa Cove	A1 Anchorage	12/22/2021	WEBSITE	Confirmed	1/21/2022	1/24/2022	25'	3
A1 La Playa Cove	A1 Anchorage	12/24/2021	WEBSITE	Confirmed	1/21/2022	1/24/2022	35'	3
A1 La Playa Cove	A1 Anchorage	12/25/2021	WEBSITE	Confirmed	1/21/2022	1/24/2022	37'	3
A1 La Playa Cove	A1 Anchorage	12/27/2021	WEBSITE	Confirmed	1/21/2022	1/24/2022	42'	3
A1 La Playa Cove	A1 Anchorage	1/5/2022	WEBSITE	Confirmed	1/21/2022	1/24/2022	54'	3
A1 La Playa Cove	A1 Anchorage	1/8/2022	WEBSITE	Confirmed	1/21/2022	1/24/2022	40'	3
A1 La Playa Cove	A1 Anchorage	1/18/2022	WEBSITE	Confirmed	1/21/2022	1/24/2022	36'	3
A1 La Playa Cove	A1 Anchorage	5/6/2021	WEBSITE	Confirmed	1/28/2022	1/31/2022	64'	3
A1 La Playa Cove	A1 Anchorage	6/6/2021	WEBSITE	Confirmed	1/28/2022	1/31/2022	37'	3
A1 La Playa Cove	A1 Anchorage	10/15/2021	WEBSITE	Confirmed	1/28/2022	1/31/2022	32'	3

2022 Weekend Anchorage Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
A1 La Playa Cove	A1 Anchorage	11/25/2021	WEBSITE	Confirmed	1/28/2022	1/31/2022		3
A1 La Playa Cove	A1 Anchorage	12/30/2021	WEBSITE	Confirmed	1/28/2022	1/31/2022	34'	3
A1 La Playa Cove	A1 Anchorage	12/31/2021	WEBSITE	Confirmed	1/28/2022	1/31/2022	23'	3
A1 La Playa Cove	A1 Anchorage	1/3/2022	WEBSITE	Confirmed	1/28/2022	1/31/2022	53'	3
A1 La Playa Cove	A1 Anchorage	1/9/2022	WEBSITE	Confirmed	1/28/2022	1/31/2022	33'	3
A1 La Playa Cove	A1 Anchorage	1/11/2022	WEBSITE	Confirmed	1/28/2022	1/31/2022	44'	3
A1 La Playa Cove	A1 Anchorage	1/11/2022	WEBSITE	Confirmed	1/28/2022	1/31/2022	34'	3
A1 La Playa Cove	A1 Anchorage	1/12/2022	WEBSITE	Confirmed	1/28/2022	1/31/2022	26'	3
A1 La Playa Cove	A1 Anchorage	1/13/2022	WEBSITE	Confirmed	1/28/2022	1/31/2022	36'	3
A1 La Playa Cove	A1 Anchorage	1/20/2022	WEBSITE	Confirmed	1/28/2022	1/31/2022	36'	3
A1 La Playa Cove	A1 Anchorage	1/20/2022	WEBSITE	Confirmed	1/28/2022	1/31/2022	30'	3
A1 La Playa Cove	A1 Anchorage	1/20/2022	WEBSITE	Confirmed	1/28/2022	1/31/2022	34'	3
A1 La Playa Cove	A1 Anchorage	1/21/2022	WEBSITE	Confirmed	1/28/2022	1/31/2022	38'	3
A1 La Playa Cove	A1 Anchorage	1/21/2022	WEBSITE	Confirmed	1/28/2022	1/31/2022	42'	3
A1 La Playa Cove	A1 Anchorage	1/21/2022	WEBSITE	Confirmed	1/28/2022	1/31/2022	48'	3
A1 La Playa Cove	A1 Anchorage	1/24/2022	WEBSITE	Confirmed	1/28/2022	1/31/2022	37'	3
A1 La Playa Cove	A1 Anchorage	1/24/2022	WEBSITE	Confirmed	1/28/2022	1/31/2022	56'	3
A1 La Playa Cove	A1 Anchorage	1/25/2022	WEBSITE	Confirmed	1/28/2022	1/31/2022	25'	3
A1 La Playa Cove	A1 Anchorage	1/25/2022	WEBSITE	Confirmed	1/28/2022	1/31/2022	65'	3
A1 La Playa Cove	A1 Anchorage	1/25/2022	WEBSITE	Confirmed	1/28/2022	1/31/2022	43'	3
A1 La Playa Cove	A1 Anchorage	1/25/2022	WEBSITE	Confirmed	1/28/2022	1/31/2022	34'	3
A1 La Playa Cove	A1 Anchorage	1/25/2022	WEBSITE	Confirmed	1/28/2022	1/31/2022	50'	3
A1 La Playa Cove	A1 Anchorage	1/26/2022	WEBSITE	Confirmed	1/28/2022	1/31/2022	44'	3
A1 La Playa Cove	A1 Anchorage	1/26/2022	WEBSITE	Confirmed	1/28/2022	1/31/2022	38'	3
A1 La Playa Cove	A1 Anchorage	1/26/2022	WEBSITE	Confirmed	1/28/2022	1/31/2022	34'	3
A1 La Playa Cove	A1 Anchorage	1/27/2022	WEBSITE	Confirmed	1/28/2022	1/31/2022	36'	3
A1 La Playa Cove	A1 Anchorage	1/27/2022	WEBSITE	Confirmed	1/28/2022	1/31/2022	25'	3
A1 La Playa Cove	A1 Anchorage	7/16/2021	WEBSITE	Confirmed	2/4/2022	2/7/2022	51'	3
A1 La Playa Cove	A1 Anchorage	9/1/2021	WEBSITE	Confirmed	2/4/2022	2/7/2022	42'	3
A1 La Playa Cove	A1 Anchorage	10/15/2021	WEBSITE	Confirmed	2/4/2022	2/7/2022	32'	3
A1 La Playa Cove	A1 Anchorage	11/1/2021	WEBSITE	Confirmed	2/4/2022	2/7/2022	64'	3
A1 La Playa Cove	A1 Anchorage	12/5/2021	WEBSITE	Confirmed	2/4/2022	2/7/2022	41'	3
A1 La Playa Cove	A1 Anchorage	12/9/2021	WEBSITE	Confirmed	2/4/2022	2/7/2022	34'	3
A1 La Playa Cove	A1 Anchorage	12/30/2021	WEBSITE	Confirmed	2/4/2022	2/7/2022	34'	3
A1 La Playa Cove	A1 Anchorage	12/31/2021	WEBSITE	Confirmed	2/4/2022	2/7/2022	23'	3
A1 La Playa Cove	A1 Anchorage	1/1/2022	WEBSITE	Confirmed	2/4/2022	2/7/2022		3
A1 La Playa Cove	A1 Anchorage	1/4/2022	WEBSITE	Confirmed	2/4/2022	2/7/2022	60'	3
A1 La Playa Cove	A1 Anchorage	1/9/2022	WEBSITE	Confirmed	2/4/2022	2/7/2022	33'	3
A1 La Playa Cove	A1 Anchorage	1/11/2022	WEBSITE	Confirmed	2/4/2022	2/7/2022	34'	3
A1 La Playa Cove	A1 Anchorage	1/13/2022	WEBSITE	Confirmed	2/4/2022	2/7/2022	36'	3
A1 La Playa Cove	A1 Anchorage	1/13/2022	WEBSITE	Confirmed	2/4/2022	2/7/2022		3
A1 La Playa Cove	A1 Anchorage	1/24/2022	WEBSITE	Confirmed	2/4/2022	2/7/2022	42'	3
A1 La Playa Cove	A1 Anchorage	1/25/2022	WEBSITE	Confirmed	2/4/2022	2/7/2022	36'	3
A1 La Playa Cove	A1 Anchorage	1/28/2022	WEBSITE	Confirmed	2/4/2022	2/7/2022	65'	3
A1 La Playa Cove	A1 Anchorage	1/30/2022	WEBSITE	Confirmed	2/4/2022	2/7/2022	38'	3
A1 La Playa Cove	A1 Anchorage	1/31/2022	WEBSITE	Confirmed	2/4/2022	2/7/2022	43'	3
A1 La Playa Cove	A1 Anchorage	1/31/2022	WEBSITE	Confirmed	2/4/2022	2/7/2022	45'	3
A1 La Playa Cove	A1 Anchorage	1/31/2022	WEBSITE	Confirmed	2/4/2022	2/7/2022	30'	3
A1 La Playa Cove	A1 Anchorage	2/1/2022	WEBSITE	Confirmed	2/4/2022	2/7/2022	30'	3
A1 La Playa Cove	A1 Anchorage	2/2/2022	WEBSITE	Confirmed	2/4/2022	2/7/2022	43'	3
A1 La Playa Cove	A1 Anchorage	2/3/2022	WEBSITE	Confirmed	2/4/2022	2/7/2022	25'	3
A1 La Playa Cove	A1 Anchorage	2/3/2022	WEBSITE	Confirmed	2/4/2022	2/7/2022	26'	3
A1 La Playa Cove	A1 Anchorage	2/4/2022	WEBSITE	Confirmed	2/4/2022	2/7/2022	37'	3
A1 La Playa Cove	A1 Anchorage	2/4/2022	WEBSITE	Confirmed	2/4/2022	2/7/2022	35'	3
A1 La Playa Cove	A1 Anchorage	2/4/2022	WEBSITE	Confirmed	2/4/2022	2/7/2022	46'	3
A1 La Playa Cove	A1 Anchorage	3/16/2021	WEBSITE	Confirmed	2/11/2022	2/14/2022	35'	3
A1 La Playa Cove	A1 Anchorage	6/28/2021	WEBSITE	Confirmed	2/11/2022	2/14/2022	37'	3
A1 La Playa Cove	A1 Anchorage	9/1/2021	WEBSITE	Confirmed	2/11/2022	2/14/2022	42'	3

2022 Weekend Anchorage Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
A1 La Playa Cove	A1 Anchorage	12/9/2021	WEBSITE	Confirmed	2/11/2022	2/14/2022	34'	3
A1 La Playa Cove	A1 Anchorage	12/22/2021	WEBSITE	Confirmed	2/11/2022	2/14/2022	23'	3
A1 La Playa Cove	A1 Anchorage	12/22/2021	WEBSITE	Confirmed	2/11/2022	2/14/2022	23'	3
A1 La Playa Cove	A1 Anchorage	12/22/2021	WEBSITE	Confirmed	2/11/2022	2/14/2022	26'	3
A1 La Playa Cove	A1 Anchorage	12/22/2021	WEBSITE	Confirmed	2/11/2022	2/14/2022	25'	3
A1 La Playa Cove	A1 Anchorage	12/26/2021	WEBSITE	Confirmed	2/11/2022	2/14/2022	41'	3
A1 La Playa Cove	A1 Anchorage	12/29/2021	WEBSITE	Confirmed	2/11/2022	2/14/2022	27'	3
A1 La Playa Cove	A1 Anchorage	12/29/2021	WEBSITE	Confirmed	2/11/2022	2/14/2022	34'	3
A1 La Playa Cove	A1 Anchorage	12/29/2021	WEBSITE	Confirmed	2/11/2022	2/14/2022	34'	3
A1 La Playa Cove	A1 Anchorage	12/30/2021	WEBSITE	Confirmed	2/11/2022	2/14/2022	36'	3
A1 La Playa Cove	A1 Anchorage	1/11/2022	WEBSITE	Confirmed	2/11/2022	2/14/2022	34'	3
A1 La Playa Cove	A1 Anchorage	1/12/2022	WEBSITE	Confirmed	2/11/2022	2/14/2022	30'	3
A1 La Playa Cove	A1 Anchorage	1/13/2022	WEBSITE	Confirmed	2/11/2022	2/14/2022	36'	3
A1 La Playa Cove	A1 Anchorage	1/13/2022	WEBSITE	Confirmed	2/11/2022	2/14/2022	36'	3
A1 La Playa Cove	A1 Anchorage	1/13/2022	WEBSITE	Confirmed	2/11/2022	2/14/2022		3
A1 La Playa Cove	A1 Anchorage	1/17/2022	WEBSITE	Confirmed	2/11/2022	2/14/2022	35'	3
A1 La Playa Cove	A1 Anchorage	1/19/2022	WEBSITE	Confirmed	2/11/2022	2/14/2022	36'	3
A1 La Playa Cove	A1 Anchorage	1/21/2022	WEBSITE	Confirmed	2/11/2022	2/14/2022	48'	3
A1 La Playa Cove	A1 Anchorage	1/22/2022	WEBSITE	Confirmed	2/11/2022	2/14/2022	23'	3
A1 La Playa Cove	A1 Anchorage	1/23/2022	WEBSITE	Confirmed	2/11/2022	2/14/2022	30'	3
A1 La Playa Cove	A1 Anchorage	1/25/2022	WEBSITE	Confirmed	2/11/2022	2/14/2022	48'	3
A1 La Playa Cove	A1 Anchorage	1/27/2022	WEBSITE	Confirmed	2/11/2022	2/14/2022	40'	3
A1 La Playa Cove	A1 Anchorage	1/28/2022	WEBSITE	Confirmed	2/11/2022	2/14/2022	42'	3
A1 La Playa Cove	A1 Anchorage	1/29/2022	WEBSITE	Confirmed	2/11/2022	2/14/2022	34'	3
A1 La Playa Cove	A1 Anchorage	1/31/2022	WEBSITE	Confirmed	2/11/2022	2/14/2022		3
A1 La Playa Cove	A1 Anchorage	2/2/2022	WEBSITE	Confirmed	2/11/2022	2/14/2022	36'	3
A1 La Playa Cove	A1 Anchorage	2/3/2022	WEBSITE	Confirmed	2/11/2022	2/14/2022	32'	3
A1 La Playa Cove	A1 Anchorage	2/5/2022	WEBSITE	Confirmed	2/11/2022	2/14/2022	37'	3
A1 La Playa Cove	A1 Anchorage	2/6/2022	WEBSITE	Confirmed	2/11/2022	2/14/2022	43'	3
A1 La Playa Cove	A1 Anchorage	2/7/2022	WEBSITE	Confirmed	2/11/2022	2/14/2022	44'	3
A1 La Playa Cove	A1 Anchorage	2/10/2022	WEBSITE	Confirmed	2/11/2022	2/14/2022	50'	3
A1 La Playa Cove	A1 Anchorage	6/6/2021	WEBSITE	Confirmed	2/18/2022	2/21/2022	37'	3
A1 La Playa Cove	A1 Anchorage	7/15/2021	WEBSITE	Confirmed	2/18/2022	2/21/2022	44'	3
A1 La Playa Cove	A1 Anchorage	9/1/2021	WEBSITE	Confirmed	2/18/2022	2/21/2022	42'	3
A1 La Playa Cove	A1 Anchorage	11/1/2021	WEBSITE	Confirmed	2/18/2022	2/21/2022	64'	3
A1 La Playa Cove	A1 Anchorage	12/3/2021	WEBSITE	Confirmed	2/18/2022	2/21/2022	48'	3
A1 La Playa Cove	A1 Anchorage	12/9/2021	WEBSITE	Confirmed	2/18/2022	2/21/2022	34'	3
A1 La Playa Cove	A1 Anchorage	12/26/2021	WEBSITE	Confirmed	2/18/2022	2/21/2022	41'	3
A1 La Playa Cove	A1 Anchorage	1/1/2022	WEBSITE	Confirmed	2/18/2022	2/21/2022		3
A1 La Playa Cove	A1 Anchorage	1/11/2022	WEBSITE	Confirmed	2/18/2022	2/21/2022	34'	3
A1 La Playa Cove	A1 Anchorage	1/13/2022	WEBSITE	Confirmed	2/18/2022	2/21/2022		3
A1 La Playa Cove	A1 Anchorage	1/18/2022	WEBSITE	Confirmed	2/18/2022	2/21/2022	65'	3
A1 La Playa Cove	A1 Anchorage	1/22/2022	WEBSITE	Confirmed	2/18/2022	2/21/2022	23'	3
A1 La Playa Cove	A1 Anchorage	1/25/2022	WEBSITE	Confirmed	2/18/2022	2/21/2022	39'	3
A1 La Playa Cove	A1 Anchorage	1/26/2022	WEBSITE	Confirmed	2/18/2022	2/21/2022	43'	3
A1 La Playa Cove	A1 Anchorage	1/27/2022	WEBSITE	Confirmed	2/18/2022	2/21/2022	43'	3
A1 La Playa Cove	A1 Anchorage	1/30/2022	WEBSITE	Confirmed	2/18/2022	2/21/2022	38'	3
A1 La Playa Cove	A1 Anchorage	1/31/2022	WEBSITE	Confirmed	2/18/2022	2/21/2022	45'	3
A1 La Playa Cove	A1 Anchorage	2/2/2022	WEBSITE	Confirmed	2/18/2022	2/21/2022	34'	3
A1 La Playa Cove	A1 Anchorage	2/2/2022	WEBSITE	Confirmed	2/18/2022	2/21/2022	32'	3
A1 La Playa Cove	A1 Anchorage	2/6/2022	WEBSITE	Confirmed	2/18/2022	2/21/2022	43'	3
A1 La Playa Cove	A1 Anchorage	2/7/2022	WEBSITE	Confirmed	2/18/2022	2/21/2022	56'	3
A1 La Playa Cove	A1 Anchorage	2/9/2022	WEBSITE	Confirmed	2/18/2022	2/21/2022	34'	3
A1 La Playa Cove	A1 Anchorage	2/10/2022	WEBSITE	Confirmed	2/18/2022	2/21/2022	26'	3
A1 La Playa Cove	A1 Anchorage	2/11/2022	WEBSITE	Confirmed	2/18/2022	2/21/2022	34'	3
A1 La Playa Cove	A1 Anchorage	2/13/2022	WEBSITE	Confirmed	2/18/2022	2/21/2022	30'	3
A1 La Playa Cove	A1 Anchorage	2/13/2022	WEBSITE	Confirmed	2/18/2022	2/21/2022	42'	3
A1 La Playa Cove	A1 Anchorage	2/14/2022	WEBSITE	Confirmed	2/18/2022	2/21/2022	22'	3

2022 Weekend Anchorage Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
A1 La Playa Cove	A1 Anchorage	2/16/2022	WEBSITE	Confirmed	2/18/2022	2/21/2022	30'	3
A1 La Playa Cove	A1 Anchorage	2/16/2022	WEBSITE	Confirmed	2/18/2022	2/21/2022		3
A1 La Playa Cove	A1 Anchorage	2/16/2022	WEBSITE	Confirmed	2/18/2022	2/21/2022	36'	3
A1 La Playa Cove	A1 Anchorage	2/16/2022	WEBSITE	Confirmed	2/18/2022	2/21/2022	39'	3
A1 La Playa Cove	A1 Anchorage	2/17/2022	WEBSITE	Confirmed	2/18/2022	2/21/2022	46'	3
A1 La Playa Cove	A1 Anchorage	2/17/2022	WEBSITE	Confirmed	2/18/2022	2/21/2022	33'	3
A1 La Playa Cove	A1 Anchorage	2/17/2022	WEBSITE	Confirmed	2/18/2022	2/21/2022	58'	3
A1 La Playa Cove	A1 Anchorage	6/28/2021	WEBSITE	Confirmed	2/25/2022	2/28/2022	37'	3
A1 La Playa Cove	A1 Anchorage	11/1/2021	WEBSITE	Confirmed	2/25/2022	2/28/2022	64'	3
A1 La Playa Cove	A1 Anchorage	12/20/2021	WEBSITE	Confirmed	2/25/2022	2/28/2022	33'	3
A1 La Playa Cove	A1 Anchorage	1/1/2022	WEBSITE	Confirmed	2/25/2022	2/28/2022		3
A1 La Playa Cove	A1 Anchorage	1/21/2022	WEBSITE	Confirmed	2/25/2022	2/28/2022	48'	3
A1 La Playa Cove	A1 Anchorage	1/27/2022	WEBSITE	Confirmed	2/25/2022	2/28/2022	42'	3
A1 La Playa Cove	A1 Anchorage	1/30/2022	WEBSITE	Confirmed	2/25/2022	2/28/2022	38'	3
A1 La Playa Cove	A1 Anchorage	2/4/2022	WEBSITE	Confirmed	2/25/2022	2/28/2022	35'	3
A1 La Playa Cove	A1 Anchorage	2/8/2022	WEBSITE	Confirmed	2/25/2022	2/28/2022	36'	3
A1 La Playa Cove	A1 Anchorage	2/9/2022	WEBSITE	Confirmed	2/25/2022	2/28/2022	34'	3
A1 La Playa Cove	A1 Anchorage	2/10/2022	WEBSITE	Confirmed	2/25/2022	2/28/2022	26'	3
A1 La Playa Cove	A1 Anchorage	2/14/2022	WEBSITE	Confirmed	2/25/2022	2/28/2022	42'	3
A1 La Playa Cove	A1 Anchorage	2/18/2022	WEBSITE	Confirmed	2/25/2022	2/28/2022	37'	3
A1 La Playa Cove	A1 Anchorage	2/20/2022	WEBSITE	Confirmed	2/25/2022	2/28/2022	44'	3
A1 La Playa Cove	A1 Anchorage	2/22/2022	WEBSITE	Confirmed	2/25/2022	2/28/2022	41'	3
A1 La Playa Cove	A1 Anchorage	2/22/2022	WEBSITE	Confirmed	2/25/2022	2/28/2022	37'	3
A1 La Playa Cove	A1 Anchorage	2/22/2022	WEBSITE	Confirmed	2/25/2022	2/28/2022	30'	3
A1 La Playa Cove	A1 Anchorage	7/27/2021	WEBSITE	Confirmed	3/4/2022	3/7/2022	37'	3
A1 La Playa Cove	A1 Anchorage	9/1/2021	WEBSITE	Confirmed	3/4/2022	3/7/2022	42'	3
A1 La Playa Cove	A1 Anchorage	1/31/2022	WEBSITE	Confirmed	3/4/2022	3/7/2022	45'	3
A1 La Playa Cove	A1 Anchorage	2/5/2022	WEBSITE	Confirmed	3/4/2022	3/7/2022		3
A1 La Playa Cove	A1 Anchorage	2/8/2022	WEBSITE	Confirmed	3/4/2022	3/7/2022	33'	3
A1 La Playa Cove	A1 Anchorage	2/12/2022	WEBSITE	Confirmed	3/4/2022	3/7/2022	31'	3
A1 La Playa Cove	A1 Anchorage	2/15/2022	WEBSITE	Confirmed	3/4/2022	3/7/2022	38'	3
A1 La Playa Cove	A1 Anchorage	2/17/2022	WEBSITE	Confirmed	3/4/2022	3/7/2022	43'	3
A1 La Playa Cove	A1 Anchorage	2/22/2022	WEBSITE	Confirmed	3/4/2022	3/7/2022	47'	3
A1 La Playa Cove	A1 Anchorage	2/26/2022	WEBSITE	Confirmed	3/4/2022	3/7/2022	33'	3
A1 La Playa Cove	A1 Anchorage	2/28/2022	WEBSITE	Confirmed	3/4/2022	3/7/2022	50'	3
A1 La Playa Cove	A1 Anchorage	2/28/2022	WEBSITE	Confirmed	3/4/2022	3/7/2022	34'	3
A1 La Playa Cove	A1 Anchorage	2/28/2022	WEBSITE	Confirmed	3/4/2022	3/7/2022	26'	3
A1 La Playa Cove	A1 Anchorage	3/1/2022	WEBSITE	Confirmed	3/4/2022	3/7/2022	36'	3
A1 La Playa Cove	A1 Anchorage	3/1/2022	WEBSITE	Confirmed	3/4/2022	3/7/2022	30'	3
A1 La Playa Cove	A1 Anchorage	3/3/2022	WEBSITE	Confirmed	3/4/2022	3/7/2022	47'	3
A1 La Playa Cove	A1 Anchorage	3/3/2022	WEBSITE	Confirmed	3/4/2022	3/7/2022	29'	3
A1 La Playa Cove	A1 Anchorage	7/15/2021	WEBSITE	Confirmed	3/11/2022	3/14/2022	44'	3
A1 La Playa Cove	A1 Anchorage	7/27/2021	WEBSITE	Confirmed	3/11/2022	3/14/2022	37'	3
A1 La Playa Cove	A1 Anchorage	9/1/2021	WEBSITE	Confirmed	3/11/2022	3/14/2022	42'	3
A1 La Playa Cove	A1 Anchorage	10/9/2021	WEBSITE	Confirmed	3/11/2022	3/14/2022	33'	3
A1 La Playa Cove	A1 Anchorage	12/21/2021	WEBSITE	Confirmed	3/11/2022	3/14/2022	33'	3
A1 La Playa Cove	A1 Anchorage	12/26/2021	WEBSITE	Confirmed	3/11/2022	3/14/2022	41'	3
A1 La Playa Cove	A1 Anchorage	1/10/2022	WEBSITE	Confirmed	3/11/2022	3/14/2022	30'	3
A1 La Playa Cove	A1 Anchorage	1/11/2022	WEBSITE	Confirmed	3/11/2022	3/14/2022	34'	3
A1 La Playa Cove	A1 Anchorage	1/16/2022	WEBSITE	Confirmed	3/11/2022	3/14/2022	38'	3
A1 La Playa Cove	A1 Anchorage	1/21/2022	WEBSITE	Confirmed	3/11/2022	3/14/2022	48'	3
A1 La Playa Cove	A1 Anchorage	1/27/2022	WEBSITE	Confirmed	3/11/2022	3/14/2022	64'	3
A1 La Playa Cove	A1 Anchorage	1/31/2022	WEBSITE	Confirmed	3/11/2022	3/14/2022	45'	3
A1 La Playa Cove	A1 Anchorage	2/5/2022	WEBSITE	Confirmed	3/11/2022	3/14/2022		3
A1 La Playa Cove	A1 Anchorage	2/21/2022	WEBSITE	Confirmed	3/11/2022	3/14/2022	45'	3
A1 La Playa Cove	A1 Anchorage	2/25/2022	WEBSITE	Confirmed	3/11/2022	3/14/2022	34'	3
A1 La Playa Cove	A1 Anchorage	2/27/2022	WEBSITE	Confirmed	3/11/2022	3/14/2022	38'	3
A1 La Playa Cove	A1 Anchorage	3/1/2022	WEBSITE	Confirmed	3/11/2022	3/14/2022	36'	3

2022 Weekend Anchorage Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
A1 La Playa Cove	A1 Anchorage	3/3/2022	WEBSITE	Confirmed	3/11/2022	3/14/2022	47'	3
A1 La Playa Cove	A1 Anchorage	3/5/2022	WEBSITE	Confirmed	3/11/2022	3/14/2022	37'	3
A1 La Playa Cove	A1 Anchorage	3/7/2022	WEBSITE	Confirmed	3/11/2022	3/14/2022	56'	3
A1 La Playa Cove	A1 Anchorage	3/7/2022	WEBSITE	Confirmed	3/11/2022	3/14/2022	30'	3
A1 La Playa Cove	A1 Anchorage	3/8/2022	WEBSITE	Confirmed	3/11/2022	3/14/2022	40'	3
A1 La Playa Cove	A1 Anchorage	3/8/2022	WEBSITE	Confirmed	3/11/2022	3/14/2022	25'	3
A1 La Playa Cove	A1 Anchorage	3/9/2022	WEBSITE	Confirmed	3/11/2022	3/14/2022	26'	3
A1 La Playa Cove	A1 Anchorage	3/9/2022	WEBSITE	Confirmed	3/11/2022	3/14/2022	34'	3
A1 La Playa Cove	A1 Anchorage	3/9/2022	WEBSITE	Confirmed	3/11/2022	3/14/2022	54'	3
A1 La Playa Cove	A1 Anchorage	3/10/2022	WEBSITE	Confirmed	3/11/2022	3/14/2022	29'	3
A1 La Playa Cove	A1 Anchorage	3/10/2022	WEBSITE	Confirmed	3/11/2022	3/14/2022	44'	3
A1 La Playa Cove	A1 Anchorage	3/10/2022	WEBSITE	Confirmed	3/11/2022	3/14/2022	39'	3
A1 La Playa Cove	A1 Anchorage	3/10/2022	WEBSITE	Confirmed	3/11/2022	3/14/2022	36'	3
A1 La Playa Cove	A1 Anchorage	3/11/2022	WEBSITE	Confirmed	3/11/2022	3/14/2022	42'	3
A1 La Playa Cove	A1 Anchorage	7/15/2021	WEBSITE	Confirmed	3/18/2022	3/21/2022	44'	3
A1 La Playa Cove	A1 Anchorage	7/27/2021	WEBSITE	Confirmed	3/18/2022	3/21/2022	37'	3
A1 La Playa Cove	A1 Anchorage	9/1/2021	WEBSITE	Confirmed	3/18/2022	3/21/2022	42'	3
A1 La Playa Cove	A1 Anchorage	10/15/2021	WEBSITE	Confirmed	3/18/2022	3/21/2022	32'	3
A1 La Playa Cove	A1 Anchorage	10/29/2021	WEBSITE	Confirmed	3/18/2022	3/21/2022	38'	3
A1 La Playa Cove	A1 Anchorage	10/29/2021	WEBSITE	Confirmed	3/18/2022	3/21/2022	42'	3
A1 La Playa Cove	A1 Anchorage	11/28/2021	WEBSITE	Confirmed	3/18/2022	3/21/2022	34'	3
A1 La Playa Cove	A1 Anchorage	12/3/2021	WEBSITE	Confirmed	3/18/2022	3/21/2022	48'	3
A1 La Playa Cove	A1 Anchorage	12/16/2021	WEBSITE	Confirmed	3/18/2022	3/21/2022	40'	3
A1 La Playa Cove	A1 Anchorage	12/26/2021	WEBSITE	Confirmed	3/18/2022	3/21/2022	41'	3
A1 La Playa Cove	A1 Anchorage	12/30/2021	WEBSITE	Confirmed	3/18/2022	3/21/2022	63'	3
A1 La Playa Cove	A1 Anchorage	1/11/2022	WEBSITE	Confirmed	3/18/2022	3/21/2022	34'	3
A1 La Playa Cove	A1 Anchorage	1/26/2022	WEBSITE	Confirmed	3/18/2022	3/21/2022	40'	3
A1 La Playa Cove	A1 Anchorage	1/27/2022	WEBSITE	Confirmed	3/18/2022	3/21/2022	37'	3
A1 La Playa Cove	A1 Anchorage	1/27/2022	WEBSITE	Confirmed	3/18/2022	3/21/2022	43'	3
A1 La Playa Cove	A1 Anchorage	1/27/2022	WEBSITE	Confirmed	3/18/2022	3/21/2022	59'	3
A1 La Playa Cove	A1 Anchorage	1/27/2022	WEBSITE	Confirmed	3/18/2022	3/21/2022	42'	3
A1 La Playa Cove	A1 Anchorage	1/27/2022	WEBSITE	Confirmed	3/18/2022	3/21/2022	40'	3
A1 La Playa Cove	A1 Anchorage	1/27/2022	WEBSITE	Confirmed	3/18/2022	3/21/2022	35'	3
A1 La Playa Cove	A1 Anchorage	1/27/2022	WEBSITE	Confirmed	3/18/2022	3/21/2022	40'	3
A1 La Playa Cove	A1 Anchorage	1/27/2022	WEBSITE	Confirmed	3/18/2022	3/21/2022	36'	3
A1 La Playa Cove	A1 Anchorage	1/28/2022	WEBSITE	Confirmed	3/18/2022	3/21/2022	34'	3
A1 La Playa Cove	A1 Anchorage	1/28/2022	WEBSITE	Confirmed	3/18/2022	3/21/2022	38'	3
A1 La Playa Cove	A1 Anchorage	1/31/2022	WEBSITE	Confirmed	3/18/2022	3/21/2022		3
A1 La Playa Cove	A1 Anchorage	2/1/2022	WEBSITE	Confirmed	3/18/2022	3/21/2022	43'	3
A1 La Playa Cove	A1 Anchorage	2/1/2022	WEBSITE	Confirmed	3/18/2022	3/21/2022		3
A1 La Playa Cove	A1 Anchorage	2/1/2022	WEBSITE	Confirmed	3/18/2022	3/21/2022	48'	3
A1 La Playa Cove	A1 Anchorage	2/2/2022	WEBSITE	Confirmed	3/18/2022	3/21/2022	43'	3
A1 La Playa Cove	A1 Anchorage	2/2/2022	WEBSITE	Confirmed	3/18/2022	3/21/2022	42'	3
A1 La Playa Cove	A1 Anchorage	2/2/2022	WEBSITE	Confirmed	3/18/2022	3/21/2022	36'	3
A1 La Playa Cove	A1 Anchorage	2/2/2022	WEBSITE	Confirmed	3/18/2022	3/21/2022	34'	3
A1 La Playa Cove	A1 Anchorage	2/4/2022	WEBSITE	Confirmed	3/18/2022	3/21/2022	31'	3
A1 La Playa Cove	A1 Anchorage	2/25/2022	WEBSITE	Confirmed	3/18/2022	3/21/2022	34'	3
A1 La Playa Cove	A1 Anchorage	3/1/2022	WEBSITE	Confirmed	3/18/2022	3/21/2022	36'	3
A1 La Playa Cove	A1 Anchorage	3/11/2022	WEBSITE	Confirmed	3/18/2022	3/21/2022	36'	3
A1 La Playa Cove	A1 Anchorage	3/11/2022	WEBSITE	Confirmed	3/18/2022	3/21/2022	45'	3
A1 La Playa Cove	A1 Anchorage	3/11/2022	WEBSITE	Confirmed	3/18/2022	3/21/2022	50'	3
A1 La Playa Cove	A1 Anchorage	3/11/2022	WEBSITE	Confirmed	3/18/2022	3/21/2022	38'	3
A1 La Playa Cove	A1 Anchorage	3/15/2022	WEBSITE	Confirmed	3/18/2022	3/21/2022	40'	3
A1 La Playa Cove	A1 Anchorage	3/16/2022	WEBSITE	Confirmed	3/18/2022	3/21/2022	29'	3
A1 La Playa Cove	A1 Overflow	3/19/2022	WEBSITE	Confirmed	3/19/2022	3/21/2022	24'	2
A1 La Playa Cove	A1 Overflow	3/19/2022	WEBSITE	Confirmed	3/19/2022	3/21/2022		2
A1 La Playa Cove	A1 Anchorage	3/25/2021	WEBSITE	Confirmed	3/25/2022	3/28/2022	23'	3
A1 La Playa Cove	A1 Anchorage	4/7/2021	WEBSITE	Confirmed	3/25/2022	3/28/2022	43'	3

2022 Weekend Anchorage Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
A1 La Playa Cove	A1 Anchorage	6/26/2021	WEBSITE	Confirmed	3/25/2022	3/28/2022	26'	3
A1 La Playa Cove	A1 Anchorage	10/15/2021	WEBSITE	Confirmed	3/25/2022	3/28/2022	32'	3
A1 La Playa Cove	A1 Anchorage	12/21/2021	WEBSITE	Confirmed	3/25/2022	3/28/2022	33'	3
A1 La Playa Cove	A1 Anchorage	1/11/2022	WEBSITE	Confirmed	3/25/2022	3/28/2022	34'	3
A1 La Playa Cove	A1 Anchorage	1/21/2022	WEBSITE	Confirmed	3/25/2022	3/28/2022	48'	3
A1 La Playa Cove	A1 Anchorage	1/27/2022	WEBSITE	Confirmed	3/25/2022	3/28/2022	64'	3
A1 La Playa Cove	A1 Anchorage	2/5/2022	WEBSITE	Confirmed	3/25/2022	3/28/2022		3
A1 La Playa Cove	A1 Anchorage	2/13/2022	WEBSITE	Confirmed	3/25/2022	3/28/2022	42'	3
A1 La Playa Cove	A1 Anchorage	2/19/2022	WEBSITE	Confirmed	3/25/2022	3/28/2022	25'	3
A1 La Playa Cove	A1 Anchorage	2/27/2022	WEBSITE	Confirmed	3/25/2022	3/28/2022	38'	3
A1 La Playa Cove	A1 Anchorage	3/3/2022	WEBSITE	Confirmed	3/25/2022	3/28/2022	41'	3
A1 La Playa Cove	A1 Anchorage	3/4/2022	WEBSITE	Confirmed	3/25/2022	3/28/2022	34'	3
A1 La Playa Cove	A1 Anchorage	3/7/2022	WEBSITE	Confirmed	3/25/2022	3/28/2022	44'	3
A1 La Playa Cove	A1 Anchorage	3/14/2022	WEBSITE	Confirmed	3/25/2022	3/28/2022	60'	3
A1 La Playa Cove	A1 Anchorage	3/16/2022	WEBSITE	Confirmed	3/25/2022	3/28/2022	36'	3
A1 La Playa Cove	A1 Anchorage	3/16/2022	WEBSITE	Confirmed	3/25/2022	3/28/2022	19'	3
A1 La Playa Cove	A1 Anchorage	3/18/2022	WEBSITE	Confirmed	3/25/2022	3/28/2022		3
A1 La Playa Cove	A1 Anchorage	3/18/2022	WEBSITE	Confirmed	3/25/2022	3/28/2022	33'	3
A1 La Playa Cove	A1 Anchorage	3/19/2022	WEBSITE	Confirmed	3/25/2022	3/28/2022	42'	3
A1 La Playa Cove	A1 Anchorage	3/20/2022	WEBSITE	Confirmed	3/25/2022	3/28/2022	30'	3
A1 La Playa Cove	A1 Anchorage	3/20/2022	WEBSITE	Confirmed	3/25/2022	3/28/2022	37'	3
A1 La Playa Cove	A1 Anchorage	3/20/2022	WEBSITE	Confirmed	3/25/2022	3/28/2022	40'	3
A1 La Playa Cove	A1 Anchorage	3/22/2022	WEBSITE	Confirmed	3/25/2022	3/28/2022		3
A1 La Playa Cove	A1 Anchorage	3/23/2022	WEBSITE	Confirmed	3/25/2022	3/28/2022	37'	3
A1 La Playa Cove	A1 Anchorage	3/24/2022	WEBSITE	Confirmed	3/25/2022	3/28/2022	26'	3
A1 La Playa Cove	A1 Anchorage	3/24/2022	WEBSITE	Confirmed	3/25/2022	3/28/2022	34'	3
A1 La Playa Cove	A1 Anchorage	3/24/2022	WEBSITE	Confirmed	3/25/2022	3/28/2022	39'	3
A1 La Playa Cove	A1 Anchorage	3/25/2022	WEBSITE	Confirmed	3/25/2022	3/28/2022	42'	3
A1 La Playa Cove	A1 Anchorage	9/1/2021	WEBSITE	Confirmed	4/1/2022	4/4/2022	42'	3
A1 La Playa Cove	A1 Anchorage	1/7/2022	WEBSITE	Confirmed	4/1/2022	4/4/2022	41'	3
A1 La Playa Cove	A1 Anchorage	1/24/2022	WEBSITE	Confirmed	4/1/2022	4/4/2022	42'	3
A1 La Playa Cove	A1 Anchorage	1/31/2022	WEBSITE	Confirmed	4/1/2022	4/4/2022	45'	3
A1 La Playa Cove	A1 Anchorage	2/7/2022	WEBSITE	Confirmed	4/1/2022	4/4/2022		3
A1 La Playa Cove	A1 Anchorage	2/17/2022	WEBSITE	Confirmed	4/1/2022	4/4/2022	43'	3
A1 La Playa Cove	A1 Anchorage	2/24/2022	WEBSITE	Confirmed	4/1/2022	4/4/2022	26'	3
A1 La Playa Cove	A1 Anchorage	3/3/2022	WEBSITE	Confirmed	4/1/2022	4/4/2022	64'	3
A1 La Playa Cove	A1 Anchorage	3/17/2022	WEBSITE	Confirmed	4/1/2022	4/4/2022	30'	3
A1 La Playa Cove	A1 Anchorage	3/19/2022	WEBSITE	Confirmed	4/1/2022	4/4/2022	34'	3
A1 La Playa Cove	A1 Anchorage	3/20/2022	WEBSITE	Confirmed	4/1/2022	4/4/2022	47'	3
A1 La Playa Cove	A1 Anchorage	3/22/2022	WEBSITE	Confirmed	4/1/2022	4/4/2022		3
A1 La Playa Cove	A1 Anchorage	3/23/2022	WEBSITE	Confirmed	4/1/2022	4/4/2022	36'	3
A1 La Playa Cove	A1 Anchorage	3/23/2022	WEBSITE	Confirmed	4/1/2022	4/4/2022	36'	3
A1 La Playa Cove	A1 Anchorage	3/25/2022	WEBSITE	Confirmed	4/1/2022	4/4/2022	44'	3
A1 La Playa Cove	A1 Anchorage	3/25/2022	WEBSITE	Confirmed	4/1/2022	4/4/2022	37'	3
A1 La Playa Cove	A1 Anchorage	3/27/2022	WEBSITE	Confirmed	4/1/2022	4/4/2022	45'	3
A1 La Playa Cove	A1 Anchorage	3/28/2022	WEBSITE	Confirmed	4/1/2022	4/4/2022		3
A1 La Playa Cove	A1 Anchorage	3/28/2022	WEBSITE	Confirmed	4/1/2022	4/4/2022	38'	3
A1 La Playa Cove	A1 Anchorage	3/30/2022	WEBSITE	Confirmed	4/1/2022	4/4/2022		3
A1 La Playa Cove	A1 Anchorage	3/30/2022	WEBSITE	Confirmed	4/1/2022	4/4/2022	37'	3
A1 La Playa Cove	A1 Anchorage	3/31/2022	WEBSITE	Confirmed	4/1/2022	4/4/2022	20'	3
A1 La Playa Cove	A1 Anchorage	3/31/2022	WEBSITE	Confirmed	4/1/2022	4/4/2022	42'	3
A1 La Playa Cove	A1 Anchorage	3/31/2022	WEBSITE	Confirmed	4/1/2022	4/4/2022	47'	3
A1 La Playa Cove	A1 Anchorage	4/2/2022	Moorings	Confirmed	4/1/2022	4/4/2022	35'	3
A1 La Playa Cove	A1 Anchorage	4/2/2022	WEBSITE	Confirmed	4/2/2022	4/4/2022	46'	2
A1 La Playa Cove	A1 Anchorage	7/15/2021	WEBSITE	Confirmed	4/8/2022	4/11/2022	44'	3
A1 La Playa Cove	A1 Anchorage	9/1/2021	WEBSITE	Confirmed	4/8/2022	4/11/2022	42'	3
A1 La Playa Cove	A1 Anchorage	10/15/2021	WEBSITE	Confirmed	4/8/2022	4/11/2022	32'	3
A1 La Playa Cove	A1 Anchorage	1/7/2022	WEBSITE	Confirmed	4/8/2022	4/11/2022	41'	3

2022 Weekend Anchorage Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
A1 La Playa Cove	A1 Anchorage	1/16/2022	WEBSITE	Confirmed	4/8/2022	4/11/2022	38'	3
A1 La Playa Cove	A1 Anchorage	1/21/2022	WEBSITE	Confirmed	4/8/2022	4/11/2022	48'	3
A1 La Playa Cove	A1 Anchorage	1/31/2022	WEBSITE	Confirmed	4/8/2022	4/11/2022	45'	3
A1 La Playa Cove	A1 Anchorage	2/11/2022	WEBSITE	Confirmed	4/8/2022	4/11/2022	46'	3
A1 La Playa Cove	A1 Anchorage	3/3/2022	WEBSITE	Confirmed	4/8/2022	4/11/2022	64'	3
A1 La Playa Cove	A1 Anchorage	3/3/2022	WEBSITE	Confirmed	4/8/2022	4/11/2022	50'	3
A1 La Playa Cove	A1 Anchorage	3/10/2022	WEBSITE	Confirmed	4/8/2022	4/11/2022	39'	3
A1 La Playa Cove	A1 Anchorage	3/21/2022	WEBSITE	Confirmed	4/8/2022	4/11/2022	36'	3
A1 La Playa Cove	A1 Anchorage	3/23/2022	WEBSITE	Confirmed	4/8/2022	4/11/2022	36'	3
A1 La Playa Cove	A1 Anchorage	3/24/2022	WEBSITE	Confirmed	4/8/2022	4/11/2022	26'	3
A1 La Playa Cove	A1 Anchorage	3/31/2022	WEBSITE	Confirmed	4/8/2022	4/11/2022	20'	3
A1 La Playa Cove	A1 Anchorage	4/2/2022	WEBSITE	Confirmed	4/8/2022	4/11/2022	50'	3
A1 La Playa Cove	A1 Anchorage	4/4/2022	WEBSITE	Confirmed	4/8/2022	4/11/2022	37'	3
A1 La Playa Cove	A1 Anchorage	4/4/2022	WEBSITE	Confirmed	4/8/2022	4/11/2022	30'	3
A1 La Playa Cove	A1 Anchorage	4/4/2022	WEBSITE	Confirmed	4/8/2022	4/11/2022	35'	3
A1 La Playa Cove	A1 Anchorage	4/4/2022	WEBSITE	Confirmed	4/8/2022	4/11/2022	44'	3
A1 La Playa Cove	A1 Anchorage	4/4/2022	WEBSITE	Confirmed	4/8/2022	4/11/2022	40'	3
A1 La Playa Cove	A1 Anchorage	4/5/2022	WEBSITE	Confirmed	4/8/2022	4/11/2022	40'	3
A1 La Playa Cove	A1 Anchorage	4/5/2022	WEBSITE	Confirmed	4/8/2022	4/11/2022	53'	3
A1 La Playa Cove	A1 Anchorage	4/6/2022	WEBSITE	Confirmed	4/8/2022	4/11/2022	37'	3
A1 La Playa Cove	A1 Anchorage	4/6/2022	WEBSITE	Confirmed	4/8/2022	4/11/2022	34'	3
A1 La Playa Cove	A1 Anchorage	4/6/2022	WEBSITE	Confirmed	4/8/2022	4/11/2022	34'	3
A1 La Playa Cove	A1 Anchorage	4/7/2022	WEBSITE	Confirmed	4/8/2022	4/11/2022	29'	3
A1 La Playa Cove	A1 Anchorage	4/7/2022	WEBSITE	Confirmed	4/8/2022	4/11/2022	36'	3
A1 La Playa Cove	A1 Anchorage	4/7/2022	WEBSITE	Confirmed	4/8/2022	4/11/2022	42'	3
A1 La Playa Cove	A1 Anchorage	5/9/2021	WEBSITE	Confirmed	4/15/2022	4/18/2022	36'	3
A1 La Playa Cove	A1 Anchorage	9/1/2021	WEBSITE	Confirmed	4/15/2022	4/18/2022	42'	3
A1 La Playa Cove	A1 Anchorage	1/4/2022	WEBSITE	Confirmed	4/15/2022	4/18/2022	34'	3
A1 La Playa Cove	A1 Anchorage	1/31/2022	WEBSITE	Confirmed	4/15/2022	4/18/2022	45'	3
A1 La Playa Cove	A1 Anchorage	2/7/2022	WEBSITE	Confirmed	4/15/2022	4/18/2022		3
A1 La Playa Cove	A1 Anchorage	2/13/2022	WEBSITE	Confirmed	4/15/2022	4/18/2022	42'	3
A1 La Playa Cove	A1 Anchorage	2/19/2022	WEBSITE	Confirmed	4/15/2022	4/18/2022	25'	3
A1 La Playa Cove	A1 Anchorage	2/20/2022	WEBSITE	Confirmed	4/15/2022	4/18/2022	41'	3
A1 La Playa Cove	A1 Anchorage	2/21/2022	WEBSITE	Confirmed	4/15/2022	4/18/2022	45'	3
A1 La Playa Cove	A1 Anchorage	2/25/2022	WEBSITE	Confirmed	4/15/2022	4/18/2022	34'	3
A1 La Playa Cove	A1 Anchorage	3/18/2022	WEBSITE	Confirmed	4/15/2022	4/18/2022	33'	3
A1 La Playa Cove	A1 Anchorage	3/21/2022	WEBSITE	Confirmed	4/15/2022	4/18/2022	35'	3
A1 La Playa Cove	A1 Anchorage	3/22/2022	WEBSITE	Confirmed	4/15/2022	4/18/2022		3
A1 La Playa Cove	A1 Anchorage	3/23/2022	WEBSITE	Confirmed	4/15/2022	4/18/2022	36'	3
A1 La Playa Cove	A1 Anchorage	3/24/2022	WEBSITE	Confirmed	4/15/2022	4/18/2022	54'	3
A1 La Playa Cove	A1 Anchorage	3/25/2022	WEBSITE	Confirmed	4/15/2022	4/18/2022	32'	3
A1 La Playa Cove	A1 Anchorage	3/26/2022	WEBSITE	Confirmed	4/15/2022	4/18/2022	47'	3
A1 La Playa Cove	A1 Anchorage	3/28/2022	WEBSITE	Confirmed	4/15/2022	4/18/2022	38'	3
A1 La Playa Cove	A1 Anchorage	3/31/2022	WEBSITE	Confirmed	4/15/2022	4/18/2022	20'	3
A1 La Playa Cove	A1 Anchorage	3/31/2022	WEBSITE	Confirmed	4/15/2022	4/18/2022	37'	3
A1 La Playa Cove	A1 Anchorage	4/2/2022	WEBSITE	Confirmed	4/15/2022	4/18/2022	36'	3
A1 La Playa Cove	A1 Anchorage	4/2/2022	WEBSITE	Confirmed	4/15/2022	4/18/2022	36'	3
A1 La Playa Cove	A1 Anchorage	4/8/2022	WEBSITE	Confirmed	4/15/2022	4/18/2022	52'	3
A1 La Playa Cove	A1 Anchorage	4/8/2022	WEBSITE	Confirmed	4/15/2022	4/18/2022	45'	3
A1 La Playa Cove	A1 Anchorage	4/8/2022	WEBSITE	Confirmed	4/15/2022	4/18/2022	37'	3
A1 La Playa Cove	A1 Anchorage	4/8/2022	WEBSITE	Confirmed	4/15/2022	4/18/2022	40'	3
A1 La Playa Cove	A1 Anchorage	4/14/2022	WEBSITE	Confirmed	4/15/2022	4/18/2022	24'	3
A1 La Playa Cove	A1 Anchorage	4/14/2022	WEBSITE	Confirmed	4/15/2022	4/18/2022	32'	3
A1 La Playa Cove	A1 Anchorage	4/14/2022	WEBSITE	Confirmed	4/15/2022	4/18/2022		3
A1 La Playa Cove	A1 Anchorage	4/14/2022	WEBSITE	Confirmed	4/15/2022	4/18/2022	42'	3
A1 La Playa Cove	A1 Anchorage	4/14/2022	WEBSITE	Confirmed	4/15/2022	4/18/2022	34'	3
A1 La Playa Cove	A1 Anchorage	4/15/2022	WEBSITE	Confirmed	4/15/2022	4/18/2022	36'	3
A1 La Playa Cove	A1 Anchorage	4/15/2022	WEBSITE	Confirmed	4/15/2022	4/18/2022		3

2022 Weekend Anchorage Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
A1 La Playa Cove	A1 Anchorage	10/15/2021	WEBSITE	Confirmed	4/22/2022	4/25/2022	32'	3
A1 La Playa Cove	A1 Anchorage	10/29/2021	WEBSITE	Confirmed	4/22/2022	4/25/2022	38'	3
A1 La Playa Cove	A1 Anchorage	10/29/2021	WEBSITE	Confirmed	4/22/2022	4/25/2022	42'	3
A1 La Playa Cove	A1 Anchorage	1/21/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	48'	3
A1 La Playa Cove	A1 Anchorage	1/24/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	42'	3
A1 La Playa Cove	A1 Anchorage	3/2/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	32'	3
A1 La Playa Cove	A1 Anchorage	3/3/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	64'	3
A1 La Playa Cove	A1 Anchorage	3/8/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	40'	3
A1 La Playa Cove	A1 Anchorage	3/28/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	65'	3
A1 La Playa Cove	A1 Anchorage	3/28/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	38'	3
A1 La Playa Cove	A1 Anchorage	3/31/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	36'	3
A1 La Playa Cove	A1 Anchorage	3/31/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	40'	3
A1 La Playa Cove	A1 Anchorage	4/3/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	44'	3
A1 La Playa Cove	A1 Anchorage	4/3/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	40'	3
A1 La Playa Cove	A1 Anchorage	4/5/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	47'	3
A1 La Playa Cove	A1 Anchorage	4/12/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	34'	3
A1 La Playa Cove	A1 Anchorage	4/12/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	34'	3
A1 La Playa Cove	A1 Anchorage	4/14/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	49'	3
A1 La Playa Cove	A1 Anchorage	4/14/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022		3
A1 La Playa Cove	A1 Anchorage	4/14/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	43'	3
A1 La Playa Cove	A1 Anchorage	4/15/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	32'	3
A1 La Playa Cove	A1 Anchorage	4/15/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	31'	3
A1 La Playa Cove	A1 Anchorage	4/17/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	29'	3
A1 La Playa Cove	A1 Anchorage	4/18/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	48'	3
A1 La Playa Cove	A1 Anchorage	4/18/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	26'	3
A1 La Playa Cove	A1 Anchorage	4/18/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	38'	3
A1 La Playa Cove	A1 Anchorage	4/19/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	46'	3
A1 La Playa Cove	A1 Anchorage	4/19/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	30'	3
A1 La Playa Cove	A1 Anchorage	4/20/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	40'	3
A1 La Playa Cove	A1 Anchorage	4/20/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	36'	3
A1 La Playa Cove	A1 Anchorage	4/21/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	31'	3
A1 La Playa Cove	A1 Anchorage	4/21/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	37'	3
A1 La Playa Cove	A1 Anchorage	4/21/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	42'	3
A1 La Playa Cove	A1 Anchorage	4/21/2022	WEBSITE	Confirmed	4/22/2022	4/25/2022	48'	3
A1 La Playa Cove	A1 Anchorage	4/30/2021	WEBSITE	Confirmed	4/29/2022	5/2/2022	35'	3
A1 La Playa Cove	A1 Anchorage	10/15/2021	WEBSITE	Confirmed	4/29/2022	5/2/2022	32'	3
A1 La Playa Cove	A1 Anchorage	12/3/2021	WEBSITE	Confirmed	4/29/2022	5/2/2022	48'	3
A1 La Playa Cove	A1 Anchorage	12/20/2021	WEBSITE	Confirmed	4/29/2022	5/2/2022	33'	3
A1 La Playa Cove	A1 Anchorage	12/21/2021	WEBSITE	Confirmed	4/29/2022	5/2/2022	33'	3
A1 La Playa Cove	A1 Anchorage	1/31/2022	WEBSITE	Confirmed	4/29/2022	5/2/2022	36'	3
A1 La Playa Cove	A1 Anchorage	2/7/2022	WEBSITE	Confirmed	4/29/2022	5/2/2022		3
A1 La Playa Cove	A1 Anchorage	2/26/2022	WEBSITE	Confirmed	4/29/2022	5/2/2022	30'	3
A1 La Playa Cove	A1 Anchorage	3/22/2022	WEBSITE	Confirmed	4/29/2022	5/2/2022		3
A1 La Playa Cove	A1 Anchorage	3/31/2022	WEBSITE	Confirmed	4/29/2022	5/2/2022	43'	3
A1 La Playa Cove	A1 Anchorage	3/31/2022	WEBSITE	Confirmed	4/29/2022	5/2/2022	36'	3
A1 La Playa Cove	A1 Anchorage	3/31/2022	WEBSITE	Confirmed	4/29/2022	5/2/2022	40'	3
A1 La Playa Cove	A1 Anchorage	4/12/2022	WEBSITE	Confirmed	4/29/2022	5/2/2022	56'	3
A1 La Playa Cove	A1 Anchorage	4/14/2022	WEBSITE	Confirmed	4/29/2022	5/2/2022		3
A1 La Playa Cove	A1 Anchorage	4/17/2022	WEBSITE	Confirmed	4/29/2022	5/2/2022	37'	3
A1 La Playa Cove	A1 Anchorage	4/19/2022	Moorings	Confirmed	4/29/2022	5/2/2022	46'	3
A1 La Playa Cove	A1 Anchorage	4/20/2022	WEBSITE	Confirmed	4/29/2022	5/2/2022	60'	3
A1 La Playa Cove	A1 Anchorage	4/20/2022	WEBSITE	Confirmed	4/29/2022	5/2/2022	39'	3
A1 La Playa Cove	A1 Anchorage	4/21/2022	WEBSITE	Confirmed	4/29/2022	5/2/2022	48'	3
A1 La Playa Cove	A1 Anchorage	4/21/2022	WEBSITE	Confirmed	4/29/2022	5/2/2022	44'	3
A1 La Playa Cove	A1 Anchorage	4/24/2022	WEBSITE	Confirmed	4/29/2022	5/2/2022	40'	3
A1 La Playa Cove	A1 Anchorage	4/25/2022	WEBSITE	Confirmed	4/29/2022	5/2/2022	65'	3
A1 La Playa Cove	A1 Anchorage	4/26/2022	WEBSITE	Confirmed	4/29/2022	5/2/2022		3
A1 La Playa Cove	A1 Anchorage	4/28/2022	WEBSITE	Confirmed	4/29/2022	5/2/2022	35'	3

2022 Weekend Anchorage Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
A1 La Playa Cove	A1 Anchorage	4/28/2022	WEBSITE	Confirmed	4/29/2022	5/2/2022	28'	3
A1 La Playa Cove	A1 Anchorage	4/28/2022	WEBSITE	Confirmed	4/29/2022	5/2/2022	39'	3
A1 La Playa Cove	A1 Anchorage	7/15/2021	WEBSITE	Confirmed	5/6/2022	5/9/2022	44'	3
A1 La Playa Cove	A1 Anchorage	9/1/2021	WEBSITE	Confirmed	5/6/2022	5/9/2022	42'	3
A1 La Playa Cove	A1 Anchorage	10/15/2021	WEBSITE	Confirmed	5/6/2022	5/9/2022	32'	3
A1 La Playa Cove	A1 Anchorage	1/21/2022	WEBSITE	Confirmed	5/6/2022	5/9/2022	48'	3
A1 La Playa Cove	A1 Anchorage	1/31/2022	WEBSITE	Confirmed	5/6/2022	5/9/2022		3
A1 La Playa Cove	A1 Anchorage	2/7/2022	WEBSITE	Confirmed	5/6/2022	5/9/2022		3
A1 La Playa Cove	A1 Anchorage	2/19/2022	WEBSITE	Confirmed	5/6/2022	5/9/2022	25'	3
A1 La Playa Cove	A1 Anchorage	2/20/2022	WEBSITE	Confirmed	5/6/2022	5/9/2022	41'	3
A1 La Playa Cove	A1 Anchorage	2/28/2022	WEBSITE	Confirmed	5/6/2022	5/9/2022	37'	3
A1 La Playa Cove	A1 Anchorage	3/18/2022	WEBSITE	Confirmed	5/6/2022	5/9/2022	33'	3
A1 La Playa Cove	A1 Anchorage	3/19/2022	WEBSITE	Confirmed	5/6/2022	5/9/2022	34'	3
A1 La Playa Cove	A1 Anchorage	3/22/2022	WEBSITE	Confirmed	5/6/2022	5/9/2022		3
A1 La Playa Cove	A1 Anchorage	3/23/2022	WEBSITE	Confirmed	5/6/2022	5/9/2022	36'	3
A1 La Playa Cove	A1 Anchorage	3/26/2022	WEBSITE	Confirmed	5/6/2022	5/9/2022	26'	3
A1 La Playa Cove	A1 Anchorage	3/31/2022	WEBSITE	Confirmed	5/6/2022	5/9/2022	20'	3
A1 La Playa Cove	A1 Anchorage	4/20/2022	WEBSITE	Confirmed	5/6/2022	5/9/2022	39'	3
A1 La Playa Cove	A1 Anchorage	4/20/2022	WEBSITE	Confirmed	5/6/2022	5/9/2022	49'	3
A1 La Playa Cove	A1 Anchorage	4/21/2022	WEBSITE	Confirmed	5/6/2022	5/9/2022	64'	3
A1 La Playa Cove	A1 Anchorage	4/28/2022	WEBSITE	Confirmed	5/6/2022	5/9/2022	44'	3
A1 La Playa Cove	A1 Anchorage	4/29/2022	WEBSITE	Confirmed	5/6/2022	5/9/2022	39'	3
A1 La Playa Cove	A1 Anchorage	5/2/2022	WEBSITE	Confirmed	5/6/2022	5/9/2022	37'	3
A1 La Playa Cove	A1 Anchorage	5/2/2022	WEBSITE	Confirmed	5/6/2022	5/9/2022	34'	3
A1 La Playa Cove	A1 Anchorage	5/3/2022	WEBSITE	Confirmed	5/6/2022	5/9/2022	36'	3
A1 La Playa Cove	A1 Anchorage	5/4/2022	WEBSITE	Confirmed	5/6/2022	5/9/2022	26'	3
A1 La Playa Cove	A1 Anchorage	5/4/2022	WEBSITE	Confirmed	5/6/2022	5/9/2022	40'	3
A1 La Playa Cove	A1 Anchorage	5/4/2022	WEBSITE	Confirmed	5/6/2022	5/9/2022	37'	3
A1 La Playa Cove	A1 Anchorage	5/5/2022	WEBSITE	Confirmed	5/6/2022	5/9/2022	38'	3
A1 La Playa Cove	A1 Anchorage	5/5/2022	WEBSITE	Confirmed	5/6/2022	5/9/2022	37'	3
A1 La Playa Cove	A1 Anchorage	5/5/2022	WEBSITE	Confirmed	5/6/2022	5/9/2022	52'	3
A1 La Playa Cove	A1 Anchorage	5/6/2022	WEBSITE	Confirmed	5/6/2022	5/9/2022	46'	3
A1 La Playa Cove	A1 Anchorage	5/7/2022	WEBSITE	Confirmed	5/6/2022	5/9/2022		3
A1 La Playa Cove	A1 Anchorage	5/7/2022	WEBSITE	Confirmed	5/7/2022	5/9/2022	27'	2
A1 La Playa Cove	A1 Anchorage	9/1/2021	WEBSITE	Confirmed	5/13/2022	5/16/2022	42'	3
A1 La Playa Cove	A1 Anchorage	1/19/2022	Moorings	Confirmed	5/13/2022	5/16/2022		3
A1 La Playa Cove	A1 Anchorage	1/25/2022	WEBSITE	Confirmed	5/13/2022	5/16/2022	39'	3
A1 La Playa Cove	A1 Anchorage	1/26/2022	Moorings	Confirmed	5/13/2022	5/16/2022	42'	3
A1 La Playa Cove	A1 Anchorage	1/26/2022	Moorings	Confirmed	5/13/2022	5/16/2022	42'	3
A1 La Playa Cove	A1 Anchorage	1/26/2022	Moorings	Confirmed	5/13/2022	5/16/2022		3
A1 La Playa Cove	A1 Anchorage	1/26/2022	Moorings	Confirmed	5/13/2022	5/16/2022		3
A1 La Playa Cove	A1 Anchorage	1/26/2022	Moorings	Confirmed	5/13/2022	5/16/2022		3
A1 La Playa Cove	A1 Anchorage	1/26/2022	Moorings	Confirmed	5/13/2022	5/16/2022		3
A1 La Playa Cove	A1 Anchorage	1/26/2022	Moorings	Confirmed	5/13/2022	5/16/2022		3
A1 La Playa Cove	A1 Anchorage	1/26/2022	Moorings	Confirmed	5/13/2022	5/16/2022		3
A1 La Playa Cove	A1 Anchorage	1/26/2022	Moorings	Confirmed	5/13/2022	5/16/2022		3
A1 La Playa Cove	A1 Anchorage	1/26/2022	Moorings	Confirmed	5/13/2022	5/16/2022		3
A1 La Playa Cove	A1 Anchorage	1/26/2022	Moorings	Confirmed	5/13/2022	5/16/2022		3
A1 La Playa Cove	A1 Anchorage	1/26/2022	Moorings	Confirmed	5/13/2022	5/16/2022		3
A1 La Playa Cove	A1 Anchorage	1/26/2022	WEBSITE	Confirmed	5/13/2022	5/16/2022	48'	3
A1 La Playa Cove	A1 Anchorage	1/31/2022	WEBSITE	Confirmed	5/13/2022	5/16/2022	45'	3
A1 La Playa Cove	A1 Anchorage	2/16/2022	WEBSITE	Confirmed	5/13/2022	5/16/2022	37'	3
A1 La Playa Cove	A1 Anchorage	2/19/2022	WEBSITE	Confirmed	5/13/2022	5/16/2022	25'	3
A1 La Playa Cove	A1 Anchorage	2/20/2022	WEBSITE	Confirmed	5/13/2022	5/16/2022	41'	3
A1 La Playa Cove	A1 Anchorage	2/21/2022	WEBSITE	Confirmed	5/13/2022	5/16/2022	45'	3
A1 La Playa Cove	A1 Anchorage	3/3/2022	WEBSITE	Confirmed	5/13/2022	5/16/2022	42'	3
A1 La Playa Cove	A1 Anchorage	3/9/2022	WEBSITE	Confirmed	5/13/2022	5/16/2022	38'	3
A1 La Playa Cove	A1 Anchorage	3/26/2022	WEBSITE	Confirmed	5/13/2022	5/16/2022	26'	3

2022 Weekend Anchorage Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
A1 La Playa Cove	A1 Anchorage	3/31/2022	WEBSITE	Confirmed	5/13/2022	5/16/2022	20'	3
A1 La Playa Cove	A1 Anchorage	3/31/2022	WEBSITE	Confirmed	5/13/2022	5/16/2022	34'	3
A1 La Playa Cove	A1 Anchorage	4/5/2022	WEBSITE	Confirmed	5/13/2022	5/16/2022	65'	3
A1 La Playa Cove	A1 Anchorage	4/14/2022	WEBSITE	Confirmed	5/13/2022	5/16/2022		3
A1 La Playa Cove	A1 Anchorage	4/14/2022	WEBSITE	Confirmed	5/13/2022	5/16/2022	36'	3
A1 La Playa Cove	A1 Anchorage	4/20/2022	WEBSITE	Confirmed	5/13/2022	5/16/2022	54'	3
A1 La Playa Cove	A1 Anchorage	4/20/2022	WEBSITE	Confirmed	5/13/2022	5/16/2022	39'	3
A1 La Playa Cove	A1 Anchorage	4/21/2022	WEBSITE	Confirmed	5/13/2022	5/16/2022	64'	3
A1 La Playa Cove	A1 Anchorage	4/24/2022	WEBSITE	Confirmed	5/13/2022	5/16/2022	45'	3
A1 La Playa Cove	A1 Anchorage	4/30/2022	WEBSITE	Confirmed	5/13/2022	5/16/2022	30'	3
A1 La Playa Cove	A1 Anchorage	5/8/2022	WEBSITE	Confirmed	5/13/2022	5/16/2022	56'	3
A1 La Playa Cove	A1 Anchorage	6/10/2021	WEBSITE	Confirmed	5/20/2022	5/23/2022	35'	3
A1 La Playa Cove	A1 Anchorage	7/15/2021	WEBSITE	Confirmed	5/20/2022	5/23/2022	44'	3
A1 La Playa Cove	A1 Anchorage	9/1/2021	WEBSITE	Confirmed	5/20/2022	5/23/2022	42'	3
A1 La Playa Cove	A1 Anchorage	10/15/2021	WEBSITE	Confirmed	5/20/2022	5/23/2022	32'	3
A1 La Playa Cove	A1 Anchorage	11/17/2021	WEBSITE	Confirmed	5/20/2022	5/23/2022	50'	3
A1 La Playa Cove	A1 Anchorage	12/22/2021	WEBSITE	Confirmed	5/20/2022	5/23/2022	40'	3
A1 La Playa Cove	A1 Anchorage	12/26/2021	WEBSITE	Confirmed	5/20/2022	5/23/2022	48'	3
A1 La Playa Cove	A1 Anchorage	1/31/2022	WEBSITE	Confirmed	5/20/2022	5/23/2022	45'	3
A1 La Playa Cove	A1 Anchorage	2/7/2022	WEBSITE	Confirmed	5/20/2022	5/23/2022		3
A1 La Playa Cove	A1 Anchorage	2/16/2022	WEBSITE	Confirmed	5/20/2022	5/23/2022	37'	3
A1 La Playa Cove	A1 Anchorage	2/20/2022	WEBSITE	Confirmed	5/20/2022	5/23/2022	41'	3
A1 La Playa Cove	A1 Anchorage	2/26/2022	WEBSITE	Confirmed	5/20/2022	5/23/2022	30'	3
A1 La Playa Cove	A1 Anchorage	3/7/2022	WEBSITE	Confirmed	5/20/2022	5/23/2022	34'	3
A1 La Playa Cove	A1 Anchorage	3/20/2022	WEBSITE	Confirmed	5/20/2022	5/23/2022	34'	3
A1 La Playa Cove	A1 Anchorage	3/22/2022	WEBSITE	Confirmed	5/20/2022	5/23/2022		3
A1 La Playa Cove	A1 Anchorage	3/31/2022	WEBSITE	Confirmed	5/20/2022	5/23/2022	20'	3
A1 La Playa Cove	A1 Anchorage	4/6/2022	WEBSITE	Confirmed	5/20/2022	5/23/2022	33'	3
A1 La Playa Cove	A1 Anchorage	4/8/2022	WEBSITE	Confirmed	5/20/2022	5/23/2022	45'	3
A1 La Playa Cove	A1 Anchorage	4/14/2022	WEBSITE	Confirmed	5/20/2022	5/23/2022		3
A1 La Playa Cove	A1 Anchorage	4/14/2022	WEBSITE	Confirmed	5/20/2022	5/23/2022	43'	3
A1 La Playa Cove	A1 Anchorage	4/14/2022	WEBSITE	Confirmed	5/20/2022	5/23/2022	36'	3
A1 La Playa Cove	A1 Anchorage	4/15/2022	WEBSITE	Confirmed	5/20/2022	5/23/2022	31'	3
A1 La Playa Cove	A1 Anchorage	4/21/2022	WEBSITE	Confirmed	5/20/2022	5/23/2022	64'	3
A1 La Playa Cove	A1 Anchorage	5/6/2022	WEBSITE	Confirmed	5/20/2022	5/23/2022	53'	3
A1 La Playa Cove	A1 Anchorage	5/7/2022	WEBSITE	Confirmed	5/20/2022	5/23/2022	43'	3
A1 La Playa Cove	A1 Anchorage	5/8/2022	WEBSITE	Confirmed	5/20/2022	5/23/2022	40'	3
A1 La Playa Cove	A1 Anchorage	5/10/2022	WEBSITE	Confirmed	5/20/2022	5/23/2022	52'	3
A1 La Playa Cove	A1 Anchorage	5/11/2022	WEBSITE	Confirmed	5/20/2022	5/23/2022	40'	3
A1 La Playa Cove	A1 Anchorage	5/14/2022	WEBSITE	Confirmed	5/20/2022	5/23/2022	37'	3
A1 La Playa Cove	A1 Anchorage	5/15/2022	WEBSITE	Confirmed	5/20/2022	5/23/2022	26'	3
A1 La Playa Cove	A1 Anchorage	5/18/2022	WEBSITE	Confirmed	5/20/2022	5/23/2022	41'	3
A1 La Playa Cove	A1 Anchorage	5/18/2022	WEBSITE	Confirmed	5/20/2022	5/23/2022	44'	3
A1 La Playa Cove	A1 Anchorage	5/19/2022	WEBSITE	Confirmed	5/20/2022	5/23/2022	41'	3
A1 La Playa Cove	A1 Anchorage	5/19/2022	WEBSITE	Confirmed	5/20/2022	5/23/2022	52'	3
A1 La Playa Cove	A1 Anchorage	6/2/2021	WEBSITE	Confirmed	5/27/2022	5/30/2022	34'	3
A1 La Playa Cove	A1 Anchorage	6/10/2021	WEBSITE	Confirmed	5/27/2022	5/30/2022	35'	3
A1 La Playa Cove	A1 Anchorage	10/15/2021	WEBSITE	Confirmed	5/27/2022	5/30/2022	32'	3
A1 La Playa Cove	A1 Anchorage	10/24/2021	WEBSITE	Confirmed	5/27/2022	5/30/2022	26'	3
A1 La Playa Cove	A1 Anchorage	12/20/2021	WEBSITE	Confirmed	5/27/2022	5/30/2022	33'	3
A1 La Playa Cove	A1 Anchorage	12/21/2021	WEBSITE	Confirmed	5/27/2022	5/30/2022	33'	3
A1 La Playa Cove	A1 Anchorage	1/24/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	42'	3
A1 La Playa Cove	A1 Anchorage	2/7/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022		3
A1 La Playa Cove	A1 Anchorage	2/14/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	36'	3
A1 La Playa Cove	A1 Anchorage	3/18/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	33'	3
A1 La Playa Cove	A1 Anchorage	3/19/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	34'	3
A1 La Playa Cove	A1 Anchorage	3/22/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022		3
A1 La Playa Cove	A1 Anchorage	4/1/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	26'	3

2022 Weekend Anchorage Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
A1 La Playa Cove	A1 Anchorage	4/5/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	34'	3
A1 La Playa Cove	A1 Anchorage	4/6/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	34'	3
A1 La Playa Cove	A1 Anchorage	4/8/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	40'	3
A1 La Playa Cove	A1 Anchorage	4/14/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	43'	3
A1 La Playa Cove	A1 Anchorage	4/14/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	33'	3
A1 La Playa Cove	A1 Anchorage	4/15/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	31'	3
A1 La Playa Cove	A1 Anchorage	4/18/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	34'	3
A1 La Playa Cove	A1 Anchorage	5/4/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	47'	3
A1 La Playa Cove	A1 Anchorage	5/5/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	47'	3
A1 La Playa Cove	A1 Anchorage	5/6/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	38'	3
A1 La Playa Cove	A1 Anchorage	5/7/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	65'	3
A1 La Playa Cove	A1 Anchorage	5/10/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	42'	3
A1 La Playa Cove	A1 Anchorage	5/11/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	42'	3
A1 La Playa Cove	A1 Anchorage	5/14/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	30'	3
A1 La Playa Cove	A1 Anchorage	5/14/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	42'	3
A1 La Playa Cove	A1 Anchorage	5/15/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	37'	3
A1 La Playa Cove	A1 Anchorage	5/16/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	36'	3
A1 La Playa Cove	A1 Anchorage	5/17/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	44'	3
A1 La Playa Cove	A1 Anchorage	5/19/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	43'	3
A1 La Playa Cove	A1 Anchorage	5/23/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	35'	3
A1 La Playa Cove	A1 Anchorage	5/23/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	23'	3
A1 La Playa Cove	A1 Anchorage	5/24/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	62'	3
A1 La Playa Cove	A1 Anchorage	5/26/2022	WEBSITE	Confirmed	5/27/2022	5/30/2022	33'	3
A1 La Playa Cove	A1 Anchorage	5/29/2022	WEBSITE	Confirmed	5/29/2022	5/30/2022	27'	1
A1 La Playa Cove	A1 Anchorage	7/15/2021	WEBSITE	Confirmed	6/3/2022	6/6/2022	44'	3
A1 La Playa Cove	A1 Anchorage	9/1/2021	WEBSITE	Confirmed	6/3/2022	6/6/2022	42'	3
A1 La Playa Cove	A1 Anchorage	10/15/2021	WEBSITE	Confirmed	6/3/2022	6/6/2022	32'	3
A1 La Playa Cove	A1 Anchorage	11/17/2021	WEBSITE	Confirmed	6/3/2022	6/6/2022	50'	3
A1 La Playa Cove	A1 Anchorage	12/26/2021	WEBSITE	Confirmed	6/3/2022	6/6/2022	48'	3
A1 La Playa Cove	A1 Anchorage	2/7/2022	WEBSITE	Confirmed	6/3/2022	6/6/2022		3
A1 La Playa Cove	A1 Anchorage	2/27/2022	WEBSITE	Confirmed	6/3/2022	6/6/2022	38'	3
A1 La Playa Cove	A1 Anchorage	3/18/2022	WEBSITE	Confirmed	6/3/2022	6/6/2022	34'	3
A1 La Playa Cove	A1 Anchorage	3/19/2022	WEBSITE	Confirmed	6/3/2022	6/6/2022	34'	3
A1 La Playa Cove	A1 Anchorage	3/22/2022	WEBSITE	Confirmed	6/3/2022	6/6/2022		3
A1 La Playa Cove	A1 Anchorage	4/8/2022	WEBSITE	Confirmed	6/3/2022	6/6/2022	42'	3
A1 La Playa Cove	A1 Anchorage	4/8/2022	WEBSITE	Confirmed	6/3/2022	6/6/2022	20'	3
A1 La Playa Cove	A1 Anchorage	4/13/2022	WEBSITE	Confirmed	6/3/2022	6/6/2022	44'	3
A1 La Playa Cove	A1 Anchorage	4/14/2022	WEBSITE	Confirmed	6/3/2022	6/6/2022	36'	3
A1 La Playa Cove	A1 Anchorage	4/21/2022	WEBSITE	Confirmed	6/3/2022	6/6/2022	64'	3
A1 La Playa Cove	A1 Anchorage	5/1/2022	WEBSITE	Confirmed	6/3/2022	6/6/2022	28'	3
A1 La Playa Cove	A1 Anchorage	5/2/2022	WEBSITE	Confirmed	6/3/2022	6/6/2022	35'	3
A1 La Playa Cove	A1 Anchorage	5/2/2022	WEBSITE	Confirmed	6/3/2022	6/6/2022	36'	3
A1 La Playa Cove	A1 Anchorage	5/3/2022	WEBSITE	Confirmed	6/3/2022	6/6/2022	42'	3
A1 La Playa Cove	A1 Anchorage	5/6/2022	WEBSITE	Confirmed	6/3/2022	6/6/2022	44'	3
A1 La Playa Cove	A1 Anchorage	5/9/2022	WEBSITE	Confirmed	6/3/2022	6/6/2022		3
A1 La Playa Cove	A1 Anchorage	5/17/2022	WEBSITE	Confirmed	6/3/2022	6/6/2022	44'	3
A1 La Playa Cove	A1 Anchorage	5/19/2022	WEBSITE	Confirmed	6/3/2022	6/6/2022	54'	3
A1 La Playa Cove	A1 Anchorage	5/20/2022	WEBSITE	Confirmed	6/3/2022	6/6/2022	28'	3
A1 La Playa Cove	A1 Anchorage	5/20/2022	WEBSITE	Confirmed	6/3/2022	6/6/2022	37'	3
A1 La Playa Cove	A1 Anchorage	5/21/2022	WEBSITE	Confirmed	6/3/2022	6/6/2022	45'	3
A1 La Playa Cove	A1 Anchorage	5/22/2022	WEBSITE	Confirmed	6/3/2022	6/6/2022	48'	3
A1 La Playa Cove	A1 Anchorage	5/24/2022	WEBSITE	Confirmed	6/3/2022	6/6/2022	53'	3
A1 La Playa Cove	A1 Anchorage	5/25/2022	Moorings	Confirmed	6/3/2022	6/6/2022		3
A1 La Playa Cove	A1 Anchorage	5/25/2022	Moorings	Confirmed	6/3/2022	6/6/2022		3
A1 La Playa Cove	A1 Anchorage	5/25/2022	Moorings	Confirmed	6/3/2022	6/6/2022		3
A1 La Playa Cove	A1 Anchorage	5/25/2022	Moorings	Confirmed	6/3/2022	6/6/2022		3
A1 La Playa Cove	A1 Anchorage	5/25/2022	Moorings	Confirmed	6/3/2022	6/6/2022		3
A1 La Playa Cove	A1 Anchorage	5/25/2022	Moorings	Confirmed	6/3/2022	6/6/2022		3

2022 Weekend Anchorage Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
A1 La Playa Cove	A1 Anchorage	5/25/2022	Moorings	Confirmed	6/3/2022	6/6/2022		3
A1 La Playa Cove	A1 Anchorage	5/25/2022	Moorings	Confirmed	6/3/2022	6/6/2022		3
A1 La Playa Cove	A1 Anchorage	5/25/2022	Moorings	Confirmed	6/3/2022	6/6/2022		3
A1 La Playa Cove	A1 Anchorage	5/27/2022	WEBSITE	Confirmed	6/3/2022	6/6/2022	29'	3
A1 La Playa Cove	A1 Anchorage	9/1/2021	WEBSITE	Confirmed	6/10/2022	6/13/2022	42'	3
A1 La Playa Cove	A1 Anchorage	1/31/2022	WEBSITE	Confirmed	6/10/2022	6/13/2022	36'	3
A1 La Playa Cove	A1 Anchorage	2/2/2022	WEBSITE	Confirmed	6/10/2022	6/13/2022	41'	3
A1 La Playa Cove	A1 Anchorage	2/6/2022	WEBSITE	Confirmed	6/10/2022	6/13/2022	36'	3
A1 La Playa Cove	A1 Anchorage	2/7/2022	WEBSITE	Confirmed	6/10/2022	6/13/2022		3
A1 La Playa Cove	A1 Anchorage	3/19/2022	WEBSITE	Confirmed	6/10/2022	6/13/2022	34'	3
A1 La Playa Cove	A1 Anchorage	3/22/2022	WEBSITE	Confirmed	6/10/2022	6/13/2022		3
A1 La Playa Cove	A1 Anchorage	4/8/2022	WEBSITE	Confirmed	6/10/2022	6/13/2022	20'	3
A1 La Playa Cove	A1 Anchorage	4/13/2022	WEBSITE	Confirmed	6/10/2022	6/13/2022	39'	3
A1 La Playa Cove	A1 Anchorage	4/17/2022	WEBSITE	Confirmed	6/10/2022	6/13/2022	37'	3
A1 La Playa Cove	A1 Anchorage	4/21/2022	WEBSITE	Confirmed	6/10/2022	6/13/2022	64'	3
A1 La Playa Cove	A1 Anchorage	5/16/2022	WEBSITE	Confirmed	6/10/2022	6/13/2022	40'	3
A1 La Playa Cove	A1 Anchorage	5/21/2022	WEBSITE	Confirmed	6/10/2022	6/13/2022	45'	3
A1 La Playa Cove	A1 Anchorage	5/28/2022	WEBSITE	Confirmed	6/10/2022	6/13/2022	46'	3
A1 La Playa Cove	A1 Anchorage	5/28/2022	WEBSITE	Confirmed	6/10/2022	6/13/2022	44'	3
A1 La Playa Cove	A1 Anchorage	6/2/2022	WEBSITE	Confirmed	6/10/2022	6/13/2022	40'	3
A1 La Playa Cove	A1 Anchorage	6/4/2022	WEBSITE	Confirmed	6/10/2022	6/13/2022	30'	3
A1 La Playa Cove	A1 Anchorage	6/6/2022	WEBSITE	Confirmed	6/10/2022	6/13/2022		3
A1 La Playa Cove	A1 Anchorage	6/6/2022	WEBSITE	Confirmed	6/10/2022	6/13/2022	36'	3
A1 La Playa Cove	A1 Anchorage	6/6/2022	WEBSITE	Confirmed	6/10/2022	6/13/2022	42'	3
A1 La Playa Cove	A1 Anchorage	6/7/2022	WEBSITE	Confirmed	6/10/2022	6/13/2022	26'	3
A1 La Playa Cove	A1 Anchorage	6/7/2022	WEBSITE	Confirmed	6/10/2022	6/13/2022	31'	3
A1 La Playa Cove	A1 Anchorage	6/8/2022	WEBSITE	Confirmed	6/10/2022	6/13/2022	56'	3
A1 La Playa Cove	A1 Anchorage	6/8/2022	WEBSITE	Confirmed	6/10/2022	6/13/2022	39'	3
A1 La Playa Cove	A1 Anchorage	6/8/2022	WEBSITE	Confirmed	6/10/2022	6/13/2022	42'	3
A1 La Playa Cove	A1 Anchorage	6/9/2022	WEBSITE	Confirmed	6/10/2022	6/13/2022	39'	3
A1 La Playa Cove	A1 Anchorage	6/9/2022	WEBSITE	Confirmed	6/10/2022	6/13/2022	29'	3
A1 La Playa Cove	A1 Anchorage	6/9/2022	WEBSITE	Confirmed	6/10/2022	6/13/2022		3
A1 La Playa Cove	A1 Anchorage	6/10/2022	WEBSITE	Confirmed	6/10/2022	6/11/2022		1
A1 La Playa Cove	A1 Anchorage	6/10/2022	WEBSITE	Confirmed	6/10/2022	6/11/2022		1
A1 La Playa Cove	A1 Anchorage	9/1/2021	WEBSITE	Confirmed	6/17/2022	6/20/2022	42'	3
A1 La Playa Cove	A1 Anchorage	10/15/2021	WEBSITE	Confirmed	6/17/2022	6/20/2022	32'	3
A1 La Playa Cove	A1 Anchorage	10/29/2021	WEBSITE	Confirmed	6/17/2022	6/20/2022	38'	3
A1 La Playa Cove	A1 Anchorage	11/28/2021	WEBSITE	Confirmed	6/17/2022	6/20/2022	34'	3
A1 La Playa Cove	A1 Anchorage	12/22/2021	WEBSITE	Confirmed	6/17/2022	6/20/2022	40'	3
A1 La Playa Cove	A1 Anchorage	12/26/2021	WEBSITE	Confirmed	6/17/2022	6/20/2022	48'	3
A1 La Playa Cove	A1 Anchorage	1/7/2022	WEBSITE	Confirmed	6/17/2022	6/20/2022	50'	3
A1 La Playa Cove	A1 Anchorage	1/10/2022	WEBSITE	Confirmed	6/17/2022	6/20/2022	20'	3
A1 La Playa Cove	A1 Anchorage	1/11/2022	WEBSITE	Confirmed	6/17/2022	6/20/2022	40'	3
A1 La Playa Cove	A1 Anchorage	1/24/2022	WEBSITE	Confirmed	6/17/2022	6/20/2022	42'	3
A1 La Playa Cove	A1 Anchorage	2/3/2022	WEBSITE	Confirmed	6/17/2022	6/20/2022	41'	3
A1 La Playa Cove	A1 Anchorage	2/4/2022	WEBSITE	Confirmed	6/17/2022	6/20/2022	40'	3
A1 La Playa Cove	A1 Anchorage	2/21/2022	WEBSITE	Confirmed	6/17/2022	6/20/2022	45'	3
A1 La Playa Cove	A1 Anchorage	2/28/2022	WEBSITE	Confirmed	6/17/2022	6/20/2022	37'	3
A1 La Playa Cove	A1 Anchorage	3/7/2022	WEBSITE	Confirmed	6/17/2022	6/20/2022	34'	3
A1 La Playa Cove	A1 Anchorage	3/16/2022	WEBSITE	Confirmed	6/17/2022	6/20/2022	34'	3
A1 La Playa Cove	A1 Anchorage	3/19/2022	WEBSITE	Confirmed	6/17/2022	6/20/2022	34'	3
A1 La Playa Cove	A1 Anchorage	3/21/2022	WEBSITE	Confirmed	6/17/2022	6/20/2022	35'	3
A1 La Playa Cove	A1 Anchorage	3/25/2022	WEBSITE	Confirmed	6/17/2022	6/20/2022	32'	3
A1 La Playa Cove	A1 Anchorage	3/26/2022	WEBSITE	Confirmed	6/17/2022	6/20/2022	47'	3
A1 La Playa Cove	A1 Anchorage	3/31/2022	WEBSITE	Confirmed	6/17/2022	6/20/2022	34'	3
A1 La Playa Cove	A1 Anchorage	4/4/2022	WEBSITE	Confirmed	6/17/2022	6/20/2022	34'	3
A1 La Playa Cove	A1 Anchorage	4/8/2022	WEBSITE	Confirmed	6/17/2022	6/20/2022	20'	3
A1 La Playa Cove	A1 Anchorage	4/18/2022	WEBSITE	Confirmed	6/17/2022	6/20/2022	36'	3

2022 Weekend Anchorage Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
A1 La Playa Cove	A1 Anchorage	4/18/2022	WEBSITE	Confirmed	6/17/2022	6/20/2022	36'	3
A1 La Playa Cove	A1 Anchorage	4/20/2022	WEBSITE	Confirmed	6/17/2022	6/20/2022	44'	3
A1 La Playa Cove	A1 Anchorage	4/25/2022	WEBSITE	Confirmed	6/17/2022	6/20/2022	40'	3
A1 La Playa Cove	A1 Anchorage	4/26/2022	WEBSITE	Confirmed	6/17/2022	6/20/2022	39'	3
A1 La Playa Cove	A1 Anchorage	5/8/2022	WEBSITE	Confirmed	6/17/2022	6/20/2022	40'	3
A1 La Playa Cove	A1 Anchorage	5/9/2022	WEBSITE	Confirmed	6/17/2022	6/20/2022	30'	3
A1 La Playa Cove	A1 Anchorage	5/21/2022	WEBSITE	Confirmed	6/17/2022	6/20/2022	45'	3
A1 La Playa Cove	A1 Anchorage	6/9/2022	WEBSITE	Confirmed	6/17/2022	6/20/2022	60'	3
A1 La Playa Cove	A1 Anchorage	6/10/2022	WEBSITE	Confirmed	6/17/2022	6/20/2022	48'	3
A1 La Playa Cove	A1 Anchorage	6/11/2022	WEBSITE	Confirmed	6/17/2022	6/20/2022	30'	3
A1 La Playa Cove	A1 Anchorage	6/13/2022	WEBSITE	Confirmed	6/17/2022	6/20/2022	49'	3
A1 La Playa Cove	A1 Anchorage	6/17/2022	WEBSITE	Confirmed	6/17/2022	6/20/2022	58'	3
A1 La Playa Cove	A1 Anchorage	10/15/2021	WEBSITE	Confirmed	6/24/2022	6/27/2022	32'	3
A1 La Playa Cove	A1 Anchorage	11/28/2021	WEBSITE	Confirmed	6/24/2022	6/27/2022	34'	3
A1 La Playa Cove	A1 Anchorage	2/7/2022	WEBSITE	Confirmed	6/24/2022	6/27/2022		3
A1 La Playa Cove	A1 Anchorage	3/22/2022	WEBSITE	Confirmed	6/24/2022	6/27/2022		3
A1 La Playa Cove	A1 Anchorage	4/17/2022	WEBSITE	Confirmed	6/24/2022	6/27/2022	37'	3
A1 La Playa Cove	A1 Anchorage	4/20/2022	WEBSITE	Confirmed	6/24/2022	6/27/2022	44'	3
A1 La Playa Cove	A1 Anchorage	4/21/2022	WEBSITE	Confirmed	6/24/2022	6/27/2022	64'	3
A1 La Playa Cove	A1 Anchorage	5/3/2022	WEBSITE	Confirmed	6/24/2022	6/27/2022	42'	3
A1 La Playa Cove	A1 Anchorage	5/17/2022	WEBSITE	Confirmed	6/24/2022	6/27/2022	39'	3
A1 La Playa Cove	A1 Anchorage	5/26/2022	WEBSITE	Confirmed	6/24/2022	6/27/2022	33'	3
A1 La Playa Cove	A1 Anchorage	5/29/2022	WEBSITE	Confirmed	6/24/2022	6/27/2022	44'	3
A1 La Playa Cove	A1 Anchorage	6/1/2022	WEBSITE	Confirmed	6/24/2022	6/27/2022	33'	3
A1 La Playa Cove	A1 Anchorage	6/1/2022	WEBSITE	Confirmed	6/24/2022	6/27/2022	33'	3
A1 La Playa Cove	A1 Anchorage	6/2/2022	WEBSITE	Confirmed	6/24/2022	6/27/2022	30'	3
A1 La Playa Cove	A1 Anchorage	6/2/2022	WEBSITE	Confirmed	6/24/2022	6/27/2022	43'	3
A1 La Playa Cove	A1 Anchorage	6/5/2022	WEBSITE	Confirmed	6/24/2022	6/27/2022	40'	3
A1 La Playa Cove	A1 Anchorage	6/6/2022	WEBSITE	Confirmed	6/24/2022	6/27/2022		3
A1 La Playa Cove	A1 Anchorage	6/6/2022	WEBSITE	Confirmed	6/24/2022	6/27/2022	36'	3
A1 La Playa Cove	A1 Anchorage	6/8/2022	WEBSITE	Confirmed	6/24/2022	6/27/2022	36'	3
A1 La Playa Cove	A1 Anchorage	6/15/2022	WEBSITE	Confirmed	6/24/2022	6/25/2022	60'	1
A1 La Playa Cove	A1 Anchorage	6/17/2022	WEBSITE	Confirmed	6/24/2022	6/27/2022	30'	3
A1 La Playa Cove	A1 Anchorage	6/18/2022	WEBSITE	Confirmed	6/24/2022	6/27/2022		3
A1 La Playa Cove	A1 Anchorage	6/18/2022	WEBSITE	Confirmed	6/24/2022	6/27/2022	38'	3
A1 La Playa Cove	A1 Anchorage	6/19/2022	WEBSITE	Confirmed	6/24/2022	6/27/2022		3
A1 La Playa Cove	A1 Anchorage	6/20/2022	WEBSITE	Confirmed	6/24/2022	6/27/2022	36'	3
A1 La Playa Cove	A1 Anchorage	6/20/2022	WEBSITE	Confirmed	6/24/2022	6/27/2022	30'	3
A1 La Playa Cove	A1 Anchorage	6/21/2022	WEBSITE	Confirmed	6/24/2022	6/26/2022	44'	2
A1 La Playa Cove	A1 Anchorage	6/21/2022	WEBSITE	Confirmed	6/24/2022	6/27/2022	46'	3
A1 La Playa Cove	A1 Anchorage	6/21/2022	WEBSITE	Confirmed	6/24/2022	6/26/2022	40'	2
A1 La Playa Cove	A1 Anchorage	6/21/2022	WEBSITE	Confirmed	6/24/2022	6/27/2022	35'	3
A1 La Playa Cove	A1 Anchorage	6/22/2022	WEBSITE	Confirmed	6/24/2022	6/27/2022	39'	3
A1 La Playa Cove	A1 Anchorage	6/23/2022	WEBSITE	Confirmed	6/24/2022	6/27/2022	47'	3
A1 La Playa Cove	A1 Anchorage	6/23/2022	WEBSITE	Confirmed	6/24/2022	6/25/2022	42'	1
A1 La Playa Cove	A1 Anchorage	6/23/2022	WEBSITE	Confirmed	6/24/2022	6/26/2022	48'	2
A1 La Playa Cove	A1 Anchorage	6/23/2022	WEBSITE	Confirmed	6/25/2022	6/26/2022	34'	1
A1 La Playa Cove	A1 Anchorage	7/5/2021	WEBSITE	Confirmed	7/1/2022	7/4/2022	40'	3
A1 La Playa Cove	A1 Anchorage	7/6/2021	WEBSITE	Confirmed	7/1/2022	7/4/2022	46'	3
A1 La Playa Cove	A1 Anchorage	7/10/2021	WEBSITE	Confirmed	7/1/2022	7/4/2022	46'	3
A1 La Playa Cove	A1 Anchorage	7/17/2021	WEBSITE	Confirmed	7/1/2022	7/4/2022	38'	3
A1 La Playa Cove	A1 Anchorage	7/23/2021	WEBSITE	Confirmed	7/1/2022	7/4/2022	39'	3
A1 La Playa Cove	A1 Anchorage	9/1/2021	WEBSITE	Confirmed	7/1/2022	7/4/2022	42'	3
A1 La Playa Cove	A1 Anchorage	10/24/2021	WEBSITE	Confirmed	7/1/2022	7/4/2022	26'	3
A1 La Playa Cove	A1 Anchorage	12/9/2021	WEBSITE	Confirmed	7/1/2022	7/4/2022	59'	3
A1 La Playa Cove	A1 Anchorage	12/20/2021	WEBSITE	Confirmed	7/1/2022	7/4/2022	33'	3
A1 La Playa Cove	A1 Anchorage	12/21/2021	WEBSITE	Confirmed	7/1/2022	7/4/2022	33'	3
A1 La Playa Cove	A1 Anchorage	1/7/2022	WEBSITE	Confirmed	7/1/2022	7/4/2022	30'	3

2022 Weekend Anchorage Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
A1 La Playa Cove	A1 Anchorage	1/16/2022	WEBSITE	Confirmed	7/1/2022	7/4/2022	32'	3
A1 La Playa Cove	A1 Anchorage	1/24/2022	WEBSITE	Confirmed	7/1/2022	7/4/2022	42'	3
A1 La Playa Cove	A1 Anchorage	1/31/2022	WEBSITE	Confirmed	7/1/2022	7/4/2022	23'	3
A1 La Playa Cove	A1 Anchorage	2/14/2022	WEBSITE	Confirmed	7/1/2022	7/4/2022	36'	3
A1 La Playa Cove	A1 Anchorage	2/16/2022	WEBSITE	Confirmed	7/1/2022	7/4/2022	37'	3
A1 La Playa Cove	A1 Anchorage	2/17/2022	WEBSITE	Confirmed	7/1/2022	7/4/2022	43'	3
A1 La Playa Cove	A1 Anchorage	2/21/2022	WEBSITE	Confirmed	7/1/2022	7/4/2022	45'	3
A1 La Playa Cove	A1 Anchorage	2/23/2022	WEBSITE	Confirmed	7/1/2022	7/4/2022	24'	3
A1 La Playa Cove	A1 Anchorage	2/25/2022	WEBSITE	Confirmed	7/1/2022	7/4/2022	34'	3
A1 La Playa Cove	A1 Anchorage	3/19/2022	WEBSITE	Confirmed	7/1/2022	7/4/2022	53'	3
A1 La Playa Cove	A1 Anchorage	3/22/2022	WEBSITE	Confirmed	7/1/2022	7/4/2022	37'	3
A1 La Playa Cove	A1 Anchorage	4/1/2022	WEBSITE	Confirmed	7/1/2022	7/4/2022	26'	3
A1 La Playa Cove	A1 Anchorage	4/29/2022	WEBSITE	Confirmed	7/1/2022	7/4/2022	27'	3
A1 La Playa Cove	A1 Anchorage	5/4/2022	WEBSITE	Confirmed	7/1/2022	7/4/2022	49'	3
A1 La Playa Cove	A1 Anchorage	5/9/2022	WEBSITE	Confirmed	7/1/2022	7/4/2022	42'	3
A1 La Playa Cove	A1 Anchorage	5/16/2022	WEBSITE	Confirmed	7/1/2022	7/4/2022	38'	3
A1 La Playa Cove	A1 Anchorage	5/17/2022	WEBSITE	Confirmed	7/1/2022	7/4/2022	39'	3
A1 La Playa Cove	A1 Anchorage	5/18/2022	WEBSITE	Confirmed	7/1/2022	7/4/2022	38'	3
A1 La Playa Cove	A1 Anchorage	5/18/2022	WEBSITE	Confirmed	7/1/2022	7/4/2022	48'	3
A1 La Playa Cove	A1 Anchorage	5/19/2022	WEBSITE	Confirmed	7/1/2022	7/4/2022	42'	3
A1 La Playa Cove	A1 Anchorage	5/19/2022	WEBSITE	Confirmed	7/1/2022	7/4/2022	26'	3
A1 La Playa Cove	A1 Anchorage	5/24/2022	WEBSITE	Confirmed	7/1/2022	7/4/2022	54'	3
A1 La Playa Cove	A1 Anchorage	5/30/2022	WEBSITE	Confirmed	7/1/2022	7/4/2022	42'	3
A1 La Playa Cove	A1 Anchorage	7/1/2022	WEBSITE	Confirmed	7/1/2022	7/3/2022	55'	2
A1 La Playa Cove	A1 Anchorage	9/1/2021	WEBSITE	Confirmed	7/8/2022	7/11/2022	42'	3
A1 La Playa Cove	A1 Anchorage	11/28/2021	WEBSITE	Confirmed	7/8/2022	7/11/2022	34'	3
A1 La Playa Cove	A1 Anchorage	1/16/2022	WEBSITE	Confirmed	7/8/2022	7/11/2022	38'	3
A1 La Playa Cove	A1 Anchorage	1/31/2022	WEBSITE	Confirmed	7/8/2022	7/11/2022	36'	3
A1 La Playa Cove	A1 Anchorage	2/7/2022	WEBSITE	Confirmed	7/8/2022	7/11/2022		3
A1 La Playa Cove	A1 Anchorage	2/17/2022	WEBSITE	Confirmed	7/8/2022	7/11/2022	43'	3
A1 La Playa Cove	A1 Anchorage	3/22/2022	WEBSITE	Confirmed	7/8/2022	7/11/2022		3
A1 La Playa Cove	A1 Anchorage	4/8/2022	WEBSITE	Confirmed	7/8/2022	7/11/2022	20'	3
A1 La Playa Cove	A1 Anchorage	5/17/2022	WEBSITE	Confirmed	7/8/2022	7/11/2022	39'	3
A1 La Playa Cove	A1 Anchorage	6/2/2022	WEBSITE	Confirmed	7/8/2022	7/11/2022	30'	3
A1 La Playa Cove	A1 Anchorage	6/2/2022	WEBSITE	Confirmed	7/8/2022	7/11/2022	43'	3
A1 La Playa Cove	A1 Anchorage	6/6/2022	WEBSITE	Confirmed	7/8/2022	7/11/2022	36'	3
A1 La Playa Cove	A1 Anchorage	6/13/2022	WEBSITE	Confirmed	7/8/2022	7/11/2022	46'	3
A1 La Playa Cove	A1 Anchorage	6/13/2022	WEBSITE	Confirmed	7/8/2022	7/11/2022	44'	3
A1 La Playa Cove	A1 Anchorage	6/16/2022	WEBSITE	Confirmed	7/8/2022	7/11/2022	45'	3
A1 La Playa Cove	A1 Anchorage	6/18/2022	WEBSITE	Confirmed	7/8/2022	7/10/2022	31'	2
A1 La Playa Cove	A1 Anchorage	6/19/2022	WEBSITE	Confirmed	7/8/2022	7/11/2022	40'	3
A1 La Playa Cove	A1 Anchorage	6/22/2022	WEBSITE	Confirmed	7/8/2022	7/11/2022	48'	3
A1 La Playa Cove	A1 Anchorage	6/22/2022	WEBSITE	Confirmed	7/8/2022	7/11/2022	47'	3
A1 La Playa Cove	A1 Anchorage	6/22/2022	WEBSITE	Confirmed	7/8/2022	7/11/2022	34'	3
A1 La Playa Cove	A1 Anchorage	6/25/2022	WEBSITE	Confirmed	7/8/2022	7/11/2022	30'	3
A1 La Playa Cove	A1 Anchorage	6/28/2022	WEBSITE	Confirmed	7/8/2022	7/10/2022	40'	2
A1 La Playa Cove	A1 Anchorage	6/28/2022	WEBSITE	Confirmed	7/8/2022	7/11/2022	40'	3
A1 La Playa Cove	A1 Anchorage	6/29/2022	WEBSITE	Confirmed	7/8/2022	7/9/2022	49'	1
A1 La Playa Cove	A1 Anchorage	7/1/2022	WEBSITE	Confirmed	7/8/2022	7/11/2022	34'	3
A1 La Playa Cove	A1 Anchorage	7/2/2022	WEBSITE	Confirmed	7/8/2022	7/11/2022	29'	3
A1 La Playa Cove	A1 Anchorage	7/4/2022	WEBSITE	Confirmed	7/8/2022	7/11/2022	34'	3
A1 La Playa Cove	A1 Anchorage	7/5/2022	WEBSITE	Confirmed	7/8/2022	7/11/2022	46'	3
A1 La Playa Cove	A1 Anchorage	7/6/2022	WEBSITE	Confirmed	7/8/2022	7/11/2022	34'	3
A1 La Playa Cove	A1 Anchorage	7/7/2022	WEBSITE	Confirmed	7/8/2022	7/11/2022	37'	3
A1 La Playa Cove	A1 Anchorage	7/7/2022	WEBSITE	Confirmed	7/8/2022	7/11/2022		3
A1 La Playa Cove	A1 Anchorage	7/7/2022	WEBSITE	Confirmed	7/8/2022	7/11/2022	39'	3
A1 La Playa Cove	A1 Anchorage	7/7/2022	WEBSITE	Confirmed	7/8/2022	7/10/2022	36'	2
A1 La Playa Cove	A1 Anchorage	7/15/2021	WEBSITE	Confirmed	7/15/2022	7/18/2022	44'	3

2022 Weekend Anchorage Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
A1 La Playa Cove	A1 Anchorage	9/1/2021	WEBSITE	Confirmed	7/15/2022	7/18/2022	42'	3
A1 La Playa Cove	A1 Anchorage	10/29/2021	WEBSITE	Confirmed	7/15/2022	7/18/2022	42'	3
A1 La Playa Cove	A1 Anchorage	11/22/2021	WEBSITE	Confirmed	7/15/2022	7/18/2022	35'	3
A1 La Playa Cove	A1 Anchorage	11/28/2021	WEBSITE	Confirmed	7/15/2022	7/18/2022	34'	3
A1 La Playa Cove	A1 Anchorage	2/7/2022	WEBSITE	Confirmed	7/15/2022	7/18/2022		3
A1 La Playa Cove	A1 Anchorage	2/23/2022	WEBSITE	Confirmed	7/15/2022	7/18/2022	36'	3
A1 La Playa Cove	A1 Anchorage	3/22/2022	WEBSITE	Confirmed	7/15/2022	7/18/2022		3
A1 La Playa Cove	A1 Anchorage	4/8/2022	WEBSITE	Confirmed	7/15/2022	7/18/2022	20'	3
A1 La Playa Cove	A1 Anchorage	4/13/2022	WEBSITE	Confirmed	7/15/2022	7/18/2022	39'	3
A1 La Playa Cove	A1 Anchorage	4/13/2022	WEBSITE	Confirmed	7/15/2022	7/18/2022	35'	3
A1 La Playa Cove	A1 Anchorage	4/14/2022	WEBSITE	Confirmed	7/15/2022	7/18/2022	43'	3
A1 La Playa Cove	A1 Anchorage	4/16/2022	WEBSITE	Confirmed	7/15/2022	7/18/2022	33'	3
A1 La Playa Cove	A1 Anchorage	4/17/2022	WEBSITE	Confirmed	7/15/2022	7/18/2022	37'	3
A1 La Playa Cove	A1 Anchorage	4/18/2022	WEBSITE	Confirmed	7/15/2022	7/18/2022	36'	3
A1 La Playa Cove	A1 Anchorage	4/21/2022	WEBSITE	Confirmed	7/15/2022	7/18/2022	64'	3
A1 La Playa Cove	A1 Anchorage	5/30/2022	WEBSITE	Confirmed	7/15/2022	7/18/2022	33'	3
A1 La Playa Cove	A1 Anchorage	5/31/2022	WEBSITE	Confirmed	7/15/2022	7/18/2022	37'	3
A1 La Playa Cove	A1 Anchorage	6/3/2022	WEBSITE	Confirmed	7/15/2022	7/17/2022	34'	2
A1 La Playa Cove	A1 Anchorage	6/6/2022	WEBSITE	Confirmed	7/15/2022	7/18/2022		3
A1 La Playa Cove	A1 Anchorage	6/6/2022	WEBSITE	Confirmed	7/15/2022	7/18/2022	36'	3
A1 La Playa Cove	A1 Anchorage	6/13/2022	WEBSITE	Confirmed	7/15/2022	7/18/2022	46'	3
A1 La Playa Cove	A1 Anchorage	6/13/2022	WEBSITE	Confirmed	7/15/2022	7/18/2022	44'	3
A1 La Playa Cove	A1 Anchorage	6/16/2022	WEBSITE	Confirmed	7/15/2022	7/18/2022	45'	3
A1 La Playa Cove	A1 Anchorage	7/1/2022	WEBSITE	Confirmed	7/15/2022	7/16/2022	44'	1
A1 La Playa Cove	A1 Anchorage	7/1/2022	WEBSITE	Confirmed	7/15/2022	7/18/2022	37'	3
A1 La Playa Cove	A1 Anchorage	7/2/2022	WEBSITE	Confirmed	7/15/2022	7/18/2022	43'	3
A1 La Playa Cove	A1 Anchorage	7/6/2022	WEBSITE	Confirmed	7/15/2022	7/17/2022	52'	2
A1 La Playa Cove	A1 Anchorage	7/6/2022	WEBSITE	Confirmed	7/15/2022	7/18/2022	39'	3
A1 La Playa Cove	A1 Anchorage	7/7/2022	WEBSITE	Confirmed	7/15/2022	7/18/2022	46'	3
A1 La Playa Cove	A1 Anchorage	7/8/2022	WEBSITE	Confirmed	7/15/2022	7/17/2022	36'	2
A1 La Playa Cove	A1 Anchorage	7/9/2022	WEBSITE	Confirmed	7/15/2022	7/18/2022	39'	3
A1 La Playa Cove	A1 Anchorage	7/11/2022	WEBSITE	Confirmed	7/15/2022	7/18/2022	46'	3
A1 La Playa Cove	A1 Anchorage	7/12/2022	WEBSITE	Confirmed	7/15/2022	7/18/2022	40'	3
A1 La Playa Cove	A1 Anchorage	7/13/2022	WEBSITE	Confirmed	7/15/2022	7/17/2022	40'	2
A1 La Playa Cove	A1 Anchorage	7/8/2022	WEBSITE	Confirmed	7/17/2022	7/18/2022	45'	1
A1 La Playa Cove	A1 Anchorage	7/17/2022	WEBSITE	Confirmed	7/17/2022	7/18/2022	47'	1
A1 La Playa Cove	A1 Anchorage	11/17/2021	WEBSITE	Confirmed	7/22/2022	7/25/2022	50'	3
A1 La Playa Cove	A1 Anchorage	12/22/2021	WEBSITE	Confirmed	7/22/2022	7/25/2022	40'	3
A1 La Playa Cove	A1 Anchorage	12/26/2021	WEBSITE	Confirmed	7/22/2022	7/25/2022	48'	3
A1 La Playa Cove	A1 Anchorage	1/13/2022	WEBSITE	Confirmed	7/22/2022	7/25/2022	25'	3
A1 La Playa Cove	A1 Anchorage	1/13/2022	WEBSITE	Confirmed	7/22/2022	7/25/2022	34'	3
A1 La Playa Cove	A1 Anchorage	2/26/2022	WEBSITE	Confirmed	7/22/2022	7/25/2022	30'	3
A1 La Playa Cove	A1 Anchorage	4/8/2022	WEBSITE	Confirmed	7/22/2022	7/25/2022	20'	3
A1 La Playa Cove	A1 Anchorage	5/16/2022	WEBSITE	Confirmed	7/22/2022	7/25/2022	38'	3
A1 La Playa Cove	A1 Anchorage	5/28/2022	WEBSITE	Confirmed	7/22/2022	7/25/2022	48'	3
A1 La Playa Cove	A1 Anchorage	5/28/2022	WEBSITE	Confirmed	7/22/2022	7/25/2022	38'	3
A1 La Playa Cove	A1 Anchorage	5/30/2022	WEBSITE	Confirmed	7/22/2022	7/25/2022	53'	3
A1 La Playa Cove	A1 Anchorage	6/8/2022	WEBSITE	Confirmed	7/22/2022	7/25/2022	43'	3
A1 La Playa Cove	A1 Anchorage	6/9/2022	WEBSITE	Confirmed	7/22/2022	7/25/2022	43'	3
A1 La Playa Cove	A1 Anchorage	6/9/2022	WEBSITE	Confirmed	7/22/2022	7/25/2022	47'	3
A1 La Playa Cove	A1 Anchorage	6/9/2022	WEBSITE	Confirmed	7/22/2022	7/25/2022	36'	3
A1 La Playa Cove	A1 Anchorage	6/13/2022	WEBSITE	Confirmed	7/22/2022	7/25/2022	44'	3
A1 La Playa Cove	A1 Anchorage	6/16/2022	WEBSITE	Confirmed	7/22/2022	7/25/2022	45'	3
A1 La Playa Cove	A1 Anchorage	6/21/2022	WEBSITE	Confirmed	7/22/2022	7/25/2022	36'	3
A1 La Playa Cove	A1 Anchorage	6/24/2022	WEBSITE	Confirmed	7/22/2022	7/25/2022	30'	3
A1 La Playa Cove	A1 Anchorage	6/30/2022	WEBSITE	Confirmed	7/22/2022	7/25/2022		3
A1 La Playa Cove	A1 Anchorage	7/5/2022	WEBSITE	Confirmed	7/22/2022	7/25/2022	36'	3
A1 La Playa Cove	A1 Anchorage	7/7/2022	WEBSITE	Confirmed	7/22/2022	7/25/2022	38'	3

2022 Weekend Anchorage Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
A1 La Playa Cove	A1 Anchorage	7/9/2022	WEBSITE	Confirmed	7/22/2022	7/23/2022	40'	1
A1 La Playa Cove	A1 Anchorage	7/11/2022	WEBSITE	Confirmed	7/22/2022	7/25/2022	19'	3
A1 La Playa Cove	A1 Anchorage	7/14/2022	WEBSITE	Confirmed	7/22/2022	7/25/2022	42'	3
A1 La Playa Cove	A1 Anchorage	7/17/2022	WEBSITE	Confirmed	7/22/2022	7/25/2022	49'	3
A1 La Playa Cove	A1 Anchorage	7/19/2022	WEBSITE	Confirmed	7/22/2022	7/24/2022	28'	2
A1 La Playa Cove	A1 Anchorage	7/19/2022	WEBSITE	Confirmed	7/22/2022	7/25/2022	34'	3
A1 La Playa Cove	A1 Anchorage	7/20/2022	WEBSITE	Confirmed	7/22/2022	7/25/2022	36'	3
A1 La Playa Cove	A1 Anchorage	7/20/2022	WEBSITE	Confirmed	7/22/2022	7/25/2022	46'	3
A1 La Playa Cove	A1 Anchorage	7/20/2022	WEBSITE	Confirmed	7/22/2022	7/24/2022	42'	2
A1 La Playa Cove	A1 Anchorage	7/20/2022	WEBSITE	Confirmed	7/22/2022	7/25/2022	64'	3
A1 La Playa Cove	A1 Anchorage	7/21/2022	WEBSITE	Confirmed	7/22/2022	7/23/2022	34'	1
A1 La Playa Cove	A1 Anchorage	7/21/2022	WEBSITE	Confirmed	7/22/2022	7/23/2022		1
A1 La Playa Cove	A1 Anchorage	7/19/2022	WEBSITE	Confirmed	7/23/2022	7/24/2022	24'	1
A1 La Playa Cove	A1 Anchorage	2/7/2022	WEBSITE	Confirmed	7/29/2022	8/1/2022		3
A1 La Playa Cove	A1 Anchorage	2/26/2022	WEBSITE	Confirmed	7/29/2022	8/1/2022	30'	3
A1 La Playa Cove	A1 Anchorage	3/22/2022	WEBSITE	Confirmed	7/29/2022	8/1/2022		3
A1 La Playa Cove	A1 Anchorage	4/17/2022	WEBSITE	Confirmed	7/29/2022	8/1/2022	37'	3
A1 La Playa Cove	A1 Anchorage	4/21/2022	WEBSITE	Confirmed	7/29/2022	8/1/2022	64'	3
A1 La Playa Cove	A1 Anchorage	5/8/2022	WEBSITE	Confirmed	7/29/2022	8/1/2022		3
A1 La Playa Cove	A1 Anchorage	5/28/2022	WEBSITE	Confirmed	7/29/2022	8/1/2022	48'	3
A1 La Playa Cove	A1 Anchorage	5/28/2022	WEBSITE	Confirmed	7/29/2022	8/1/2022	38'	3
A1 La Playa Cove	A1 Anchorage	6/16/2022	WEBSITE	Confirmed	7/29/2022	8/1/2022	42'	3
A1 La Playa Cove	A1 Anchorage	6/22/2022	WEBSITE	Confirmed	7/29/2022	8/1/2022	63'	3
A1 La Playa Cove	A1 Anchorage	6/24/2022	WEBSITE	Confirmed	7/29/2022	8/1/2022	50'	3
A1 La Playa Cove	A1 Anchorage	6/26/2022	WEBSITE	Confirmed	7/29/2022	8/1/2022	43'	3
A1 La Playa Cove	A1 Anchorage	7/20/2022	WEBSITE	Confirmed	7/29/2022	7/31/2022	25'	2
A1 La Playa Cove	A1 Anchorage	7/21/2022	WEBSITE	Confirmed	7/29/2022	8/1/2022	50'	3
A1 La Playa Cove	A1 Anchorage	7/23/2022	WEBSITE	Confirmed	7/29/2022	8/1/2022	43'	3
A1 La Playa Cove	A1 Anchorage	7/23/2022	WEBSITE	Confirmed	7/29/2022	8/1/2022	41'	3
A1 La Playa Cove	A1 Anchorage	7/24/2022	WEBSITE	Confirmed	7/29/2022	8/1/2022	47'	3
A1 La Playa Cove	A1 Anchorage	7/25/2022	WEBSITE	Confirmed	7/29/2022	8/1/2022	44'	3
A1 La Playa Cove	A1 Anchorage	7/25/2022	WEBSITE	Confirmed	7/29/2022	7/31/2022	36'	2
A1 La Playa Cove	A1 Anchorage	7/26/2022	WEBSITE	Confirmed	7/29/2022	8/1/2022	47'	3
A1 La Playa Cove	A1 Anchorage	7/26/2022	WEBSITE	Confirmed	7/29/2022	8/1/2022	30'	3
A1 La Playa Cove	A1 Anchorage	7/26/2022	WEBSITE	Confirmed	7/29/2022	7/31/2022	38'	2
A1 La Playa Cove	A1 Anchorage	7/26/2022	WEBSITE	Confirmed	7/29/2022	8/1/2022	24'	3
A1 La Playa Cove	A1 Anchorage	7/27/2022	WEBSITE	Confirmed	7/29/2022	8/1/2022	36'	3
A1 La Playa Cove	A1 Anchorage	7/27/2022	WEBSITE	Confirmed	7/29/2022	8/1/2022	47'	3
A1 La Playa Cove	A1 Anchorage	7/27/2022	WEBSITE	Confirmed	7/29/2022	8/1/2022		3
A1 La Playa Cove	A1 Anchorage	7/28/2022	WEBSITE	Confirmed	7/29/2022	7/30/2022	35'	1
A1 La Playa Cove	A1 Anchorage	7/28/2022	WEBSITE	Confirmed	7/29/2022	8/1/2022	42'	3
A1 La Playa Cove	A1 Anchorage	7/21/2022	WEBSITE	Confirmed	7/30/2022	8/1/2022	46'	2
A1 La Playa Cove	A1 Anchorage	8/8/2021	WEBSITE	Confirmed	8/5/2022	8/8/2022	51'	3
A1 La Playa Cove	A1 Anchorage	9/1/2021	WEBSITE	Confirmed	8/5/2022	8/8/2022	42'	3
A1 La Playa Cove	A1 Anchorage	9/18/2021	WEBSITE	Confirmed	8/5/2022	8/8/2022	35'	3
A1 La Playa Cove	A1 Anchorage	12/26/2021	WEBSITE	Confirmed	8/5/2022	8/8/2022	48'	3
A1 La Playa Cove	A1 Anchorage	1/31/2022	WEBSITE	Confirmed	8/5/2022	8/8/2022	36'	3
A1 La Playa Cove	A1 Anchorage	3/21/2022	WEBSITE	Confirmed	8/5/2022	8/8/2022	35'	3
A1 La Playa Cove	A1 Anchorage	3/22/2022	WEBSITE	Confirmed	8/5/2022	8/8/2022		3
A1 La Playa Cove	A1 Anchorage	3/25/2022	WEBSITE	Confirmed	8/5/2022	8/8/2022	32'	3
A1 La Playa Cove	A1 Anchorage	3/26/2022	WEBSITE	Confirmed	8/5/2022	8/8/2022	47'	3
A1 La Playa Cove	A1 Anchorage	4/8/2022	WEBSITE	Confirmed	8/5/2022	8/8/2022	41'	3
A1 La Playa Cove	A1 Anchorage	4/8/2022	WEBSITE	Confirmed	8/5/2022	8/8/2022	20'	3
A1 La Playa Cove	A1 Anchorage	5/16/2022	WEBSITE	Confirmed	8/5/2022	8/8/2022	38'	3
A1 La Playa Cove	A1 Anchorage	5/30/2022	WEBSITE	Confirmed	8/5/2022	8/8/2022	53'	3
A1 La Playa Cove	A1 Anchorage	6/3/2022	WEBSITE	Confirmed	8/5/2022	8/8/2022	34'	3
A1 La Playa Cove	A1 Anchorage	6/16/2022	WEBSITE	Confirmed	8/5/2022	8/8/2022	45'	3
A1 La Playa Cove	A1 Anchorage	6/21/2022	WEBSITE	Confirmed	8/5/2022	8/8/2022	38'	3

2022 Weekend Anchorage Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
A1 La Playa Cove	A1 Anchorage	6/22/2022	WEBSITE	Confirmed	8/5/2022	8/8/2022	63'	3
A1 La Playa Cove	A1 Anchorage	6/22/2022	WEBSITE	Confirmed	8/5/2022	8/8/2022	35'	3
A1 La Playa Cove	A1 Anchorage	6/29/2022	WEBSITE	Confirmed	8/5/2022	8/6/2022	50'	1
A1 La Playa Cove	A1 Anchorage	7/4/2022	WEBSITE	Confirmed	8/5/2022	8/8/2022	50'	3
A1 La Playa Cove	A1 Anchorage	7/6/2022	WEBSITE	Confirmed	8/5/2022	8/8/2022	39'	3
A1 La Playa Cove	A1 Anchorage	7/15/2022	WEBSITE	Confirmed	8/5/2022	8/8/2022	43'	3
A1 La Playa Cove	A1 Anchorage	7/20/2022	WEBSITE	Confirmed	8/5/2022	8/8/2022	36'	3
A1 La Playa Cove	A1 Anchorage	7/20/2022	WEBSITE	Confirmed	8/5/2022	8/8/2022	64'	3
A1 La Playa Cove	A1 Anchorage	7/21/2022	WEBSITE	Confirmed	8/5/2022	8/8/2022		3
A1 La Playa Cove	A1 Anchorage	7/24/2022	WEBSITE	Confirmed	8/5/2022	8/8/2022	22'	3
A1 La Playa Cove	A1 Anchorage	7/27/2022	WEBSITE	Confirmed	8/5/2022	8/8/2022	50'	3
A1 La Playa Cove	A1 Anchorage	7/28/2022	WEBSITE	Confirmed	8/5/2022	8/8/2022	37'	3
A1 La Playa Cove	A1 Anchorage	7/29/2022	WEBSITE	Confirmed	8/5/2022	8/8/2022	40'	3
A1 La Playa Cove	A1 Anchorage	7/31/2022	WEBSITE	Confirmed	8/5/2022	8/8/2022	30'	3
A1 La Playa Cove	A1 Anchorage	7/31/2022	WEBSITE	Confirmed	8/5/2022	8/7/2022	45'	2
A1 La Playa Cove	A1 Anchorage	8/1/2022	WEBSITE	Confirmed	8/5/2022	8/6/2022	46'	1
A1 La Playa Cove	A1 Anchorage	8/2/2022	WEBSITE	Confirmed	8/5/2022	8/8/2022	55'	3
A1 La Playa Cove	A1 Anchorage	8/3/2022	WEBSITE	Confirmed	8/5/2022	8/8/2022	30'	3
A1 La Playa Cove	A1 Anchorage	8/4/2022	WEBSITE	Confirmed	8/5/2022	8/8/2022	40'	3
A1 La Playa Cove	A1 Anchorage	8/5/2022	WEBSITE	Confirmed	8/6/2022	8/8/2022	47'	2
A1 La Playa Cove	A1 Anchorage	8/6/2022	WEBSITE	Confirmed	8/6/2022	8/7/2022	51'	1
A1 La Playa Cove	A1 Anchorage	8/6/2022	WEBSITE	Confirmed	8/7/2022	8/8/2022	44'	1
A1 La Playa Cove	A1 Anchorage	9/1/2021	WEBSITE	Confirmed	8/12/2022	8/15/2022	42'	3
A1 La Playa Cove	A1 Anchorage	9/18/2021	WEBSITE	Confirmed	8/12/2022	8/15/2022	35'	3
A1 La Playa Cove	A1 Anchorage	12/29/2021	WEBSITE	Confirmed	8/12/2022	8/15/2022	34'	3
A1 La Playa Cove	A1 Anchorage	12/29/2021	WEBSITE	Confirmed	8/12/2022	8/15/2022	34'	3
A1 La Playa Cove	A1 Anchorage	12/30/2021	WEBSITE	Confirmed	8/12/2022	8/15/2022	36'	3
A1 La Playa Cove	A1 Anchorage	1/13/2022	WEBSITE	Confirmed	8/12/2022	8/15/2022	36'	3
A1 La Playa Cove	A1 Anchorage	1/13/2022	WEBSITE	Confirmed	8/12/2022	8/15/2022	25'	3
A1 La Playa Cove	A1 Anchorage	1/13/2022	WEBSITE	Confirmed	8/12/2022	8/15/2022	34'	3
A1 La Playa Cove	A1 Anchorage	1/17/2022	WEBSITE	Confirmed	8/12/2022	8/15/2022	30'	3
A1 La Playa Cove	A1 Anchorage	1/19/2022	WEBSITE	Confirmed	8/12/2022	8/15/2022	36'	3
A1 La Playa Cove	A1 Anchorage	4/8/2022	WEBSITE	Confirmed	8/12/2022	8/15/2022	41'	3
A1 La Playa Cove	A1 Anchorage	4/8/2022	WEBSITE	Confirmed	8/12/2022	8/15/2022	20'	3
A1 La Playa Cove	A1 Anchorage	4/13/2022	WEBSITE	Confirmed	8/12/2022	8/15/2022	39'	3
A1 La Playa Cove	A1 Anchorage	4/13/2022	WEBSITE	Confirmed	8/12/2022	8/15/2022	35'	3
A1 La Playa Cove	A1 Anchorage	4/14/2022	WEBSITE	Confirmed	8/12/2022	8/15/2022	43'	3
A1 La Playa Cove	A1 Anchorage	5/31/2022	WEBSITE	Confirmed	8/12/2022	8/15/2022	27'	3
A1 La Playa Cove	A1 Anchorage	6/3/2022	WEBSITE	Confirmed	8/12/2022	8/15/2022	34'	3
A1 La Playa Cove	A1 Anchorage	6/9/2022	WEBSITE	Confirmed	8/12/2022	8/15/2022		3
A1 La Playa Cove	A1 Anchorage	6/16/2022	WEBSITE	Confirmed	8/12/2022	8/15/2022	45'	3
A1 La Playa Cove	A1 Anchorage	6/22/2022	WEBSITE	Confirmed	8/12/2022	8/15/2022	63'	3
A1 La Playa Cove	A1 Anchorage	6/25/2022	WEBSITE	Confirmed	8/12/2022	8/15/2022	37'	3
A1 La Playa Cove	A1 Anchorage	6/26/2022	WEBSITE	Confirmed	8/12/2022	8/15/2022	43'	3
A1 La Playa Cove	A1 Anchorage	7/6/2022	WEBSITE	Confirmed	8/12/2022	8/15/2022	37'	3
A1 La Playa Cove	A1 Anchorage	7/6/2022	WEBSITE	Confirmed	8/12/2022	8/15/2022	39'	3
A1 La Playa Cove	A1 Anchorage	7/9/2022	WEBSITE	Confirmed	8/12/2022	8/14/2022	35'	2
A1 La Playa Cove	A1 Anchorage	7/11/2022	WEBSITE	Confirmed	8/12/2022	8/15/2022	46'	3
A1 La Playa Cove	A1 Anchorage	7/17/2022	WEBSITE	Confirmed	8/12/2022	8/15/2022	35'	3
A1 La Playa Cove	A1 Anchorage	7/20/2022	WEBSITE	Confirmed	8/12/2022	8/15/2022	36'	3
A1 La Playa Cove	A1 Anchorage	7/21/2022	WEBSITE	Confirmed	8/12/2022	8/15/2022		3
A1 La Playa Cove	A1 Anchorage	7/23/2022	WEBSITE	Confirmed	8/12/2022	8/14/2022	33'	2
A1 La Playa Cove	A1 Anchorage	7/26/2022	WEBSITE	Confirmed	8/12/2022	8/15/2022	42'	3
A1 La Playa Cove	A1 Anchorage	7/30/2022	WEBSITE	Confirmed	8/12/2022	8/15/2022	32'	3
A1 La Playa Cove	A1 Anchorage	8/4/2022	WEBSITE	Confirmed	8/12/2022	8/14/2022		2
A1 La Playa Cove	A1 Anchorage	8/4/2022	WEBSITE	Confirmed	8/12/2022	8/15/2022	43'	3
A1 La Playa Cove	A1 Anchorage	8/9/2022	WEBSITE	Confirmed	8/12/2022	8/14/2022	44'	2
A1 La Playa Cove	A1 Anchorage	8/10/2022	WEBSITE	Confirmed	8/12/2022	8/15/2022	46'	3

2022 Weekend Anchorage Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
A1 La Playa Cove	A1 Anchorage	8/11/2022	WEBSITE	Confirmed	8/12/2022	8/15/2022	35'	3
A1 La Playa Cove	A1 Anchorage	8/27/2021	WEBSITE	Confirmed	8/19/2022	8/22/2022	36'	3
A1 La Playa Cove	A1 Anchorage	9/1/2021	WEBSITE	Confirmed	8/19/2022	8/22/2022	42'	3
A1 La Playa Cove	A1 Anchorage	11/28/2021	WEBSITE	Confirmed	8/19/2022	8/22/2022	34'	3
A1 La Playa Cove	A1 Anchorage	12/22/2021	WEBSITE	Confirmed	8/19/2022	8/22/2022	40'	3
A1 La Playa Cove	A1 Anchorage	12/26/2021	WEBSITE	Confirmed	8/19/2022	8/22/2022	48'	3
A1 La Playa Cove	A1 Anchorage	1/28/2022	WEBSITE	Confirmed	8/19/2022	8/22/2022	38'	3
A1 La Playa Cove	A1 Anchorage	3/21/2022	WEBSITE	Confirmed	8/19/2022	8/22/2022	29'	3
A1 La Playa Cove	A1 Anchorage	4/8/2022	WEBSITE	Confirmed	8/19/2022	8/22/2022	41'	3
A1 La Playa Cove	A1 Anchorage	4/8/2022	WEBSITE	Confirmed	8/19/2022	8/22/2022	20'	3
A1 La Playa Cove	A1 Anchorage	6/2/2022	WEBSITE	Confirmed	8/19/2022	8/22/2022	39'	3
A1 La Playa Cove	A1 Anchorage	6/16/2022	WEBSITE	Confirmed	8/19/2022	8/22/2022	45'	3
A1 La Playa Cove	A1 Anchorage	6/17/2022	WEBSITE	Confirmed	8/19/2022	8/22/2022	34'	3
A1 La Playa Cove	A1 Anchorage	7/6/2022	WEBSITE	Confirmed	8/19/2022	8/22/2022	37'	3
A1 La Playa Cove	A1 Anchorage	7/6/2022	WEBSITE	Confirmed	8/19/2022	8/22/2022	39'	3
A1 La Playa Cove	A1 Anchorage	7/21/2022	WEBSITE	Confirmed	8/19/2022	8/22/2022	35'	3
A1 La Playa Cove	A1 Anchorage	7/22/2022	WEBSITE	Confirmed	8/19/2022	8/21/2022	38'	2
A1 La Playa Cove	A1 Anchorage	7/24/2022	WEBSITE	Confirmed	8/19/2022	8/22/2022	36'	3
A1 La Playa Cove	A1 Anchorage	7/24/2022	WEBSITE	Confirmed	8/19/2022	8/21/2022	33'	2
A1 La Playa Cove	A1 Anchorage	7/28/2022	WEBSITE	Confirmed	8/19/2022	8/21/2022		2
A1 La Playa Cove	A1 Anchorage	7/30/2022	WEBSITE	Confirmed	8/19/2022	8/22/2022	32'	3
A1 La Playa Cove	A1 Anchorage	8/3/2022	WEBSITE	Confirmed	8/19/2022	8/22/2022	46'	3
A1 La Playa Cove	A1 Anchorage	8/7/2022	WEBSITE	Confirmed	8/19/2022	8/21/2022	34'	2
A1 La Playa Cove	A1 Anchorage	8/7/2022	WEBSITE	Confirmed	8/19/2022	8/22/2022	36'	3
A1 La Playa Cove	A1 Anchorage	8/8/2022	WEBSITE	Confirmed	8/19/2022	8/21/2022	38'	2
A1 La Playa Cove	A1 Anchorage	8/8/2022	WEBSITE	Confirmed	8/19/2022	8/22/2022		3
A1 La Playa Cove	A1 Anchorage	8/11/2022	WEBSITE	Confirmed	8/19/2022	8/22/2022	40'	3
A1 La Playa Cove	A1 Anchorage	8/11/2022	WEBSITE	Confirmed	8/19/2022	8/22/2022	36'	3
A1 La Playa Cove	A1 Anchorage	8/12/2022	WEBSITE	Confirmed	8/19/2022	8/21/2022	35'	2
A1 La Playa Cove	A1 Anchorage	8/13/2022	WEBSITE	Confirmed	8/19/2022	8/22/2022	35'	3
A1 La Playa Cove	A1 Anchorage	8/14/2022	WEBSITE	Confirmed	8/19/2022	8/22/2022	32'	3
A1 La Playa Cove	A1 Anchorage	8/14/2022	WEBSITE	Confirmed	8/19/2022	8/22/2022	27'	3
A1 La Playa Cove	A1 Anchorage	8/14/2022	WEBSITE	Confirmed	8/19/2022	8/20/2022	36'	1
A1 La Playa Cove	A1 Anchorage	8/15/2022	WEBSITE	Confirmed	8/19/2022	8/22/2022	46'	3
A1 La Playa Cove	A1 Anchorage	8/16/2022	WEBSITE	Confirmed	8/19/2022	8/21/2022	33'	2
A1 La Playa Cove	A1 Anchorage	8/17/2022	WEBSITE	Confirmed	8/19/2022	8/22/2022	33'	3
A1 La Playa Cove	A1 Anchorage	8/18/2022	WEBSITE	Confirmed	8/19/2022	8/21/2022	28'	2
A1 La Playa Cove	A1 Anchorage	3/18/2022	WEBSITE	Confirmed	8/26/2022	8/29/2022	39'	3
A1 La Playa Cove	A1 Anchorage	3/31/2022	WEBSITE	Confirmed	8/26/2022	8/29/2022	34'	3
A1 La Playa Cove	A1 Anchorage	4/14/2022	WEBSITE	Confirmed	8/26/2022	8/29/2022	43'	3
A1 La Playa Cove	A1 Anchorage	5/3/2022	WEBSITE	Confirmed	8/26/2022	8/29/2022	40'	3
A1 La Playa Cove	A1 Anchorage	5/16/2022	WEBSITE	Confirmed	8/26/2022	8/29/2022	40'	3
A1 La Playa Cove	A1 Anchorage	5/26/2022	WEBSITE	Confirmed	8/26/2022	8/29/2022	39'	3
A1 La Playa Cove	A1 Anchorage	6/9/2022	WEBSITE	Confirmed	8/26/2022	8/29/2022		3
A1 La Playa Cove	A1 Anchorage	6/9/2022	WEBSITE	Confirmed	8/26/2022	8/29/2022	33'	3
A1 La Playa Cove	A1 Anchorage	6/20/2022	WEBSITE	Confirmed	8/26/2022	8/29/2022	36'	3
A1 La Playa Cove	A1 Anchorage	6/24/2022	WEBSITE	Confirmed	8/26/2022	8/29/2022	50'	3
A1 La Playa Cove	A1 Anchorage	6/25/2022	WEBSITE	Confirmed	8/26/2022	8/29/2022	37'	3
A1 La Playa Cove	A1 Anchorage	6/26/2022	WEBSITE	Confirmed	8/26/2022	8/29/2022	43'	3
A1 La Playa Cove	A1 Anchorage	6/26/2022	WEBSITE	Confirmed	8/26/2022	8/28/2022	44'	2
A1 La Playa Cove	A1 Anchorage	7/6/2022	WEBSITE	Confirmed	8/26/2022	8/29/2022	37'	3
A1 La Playa Cove	A1 Anchorage	7/16/2022	WEBSITE	Confirmed	8/26/2022	8/29/2022	35'	3
A1 La Playa Cove	A1 Anchorage	7/26/2022	WEBSITE	Confirmed	8/26/2022	8/29/2022	42'	3
A1 La Playa Cove	A1 Anchorage	7/30/2022	WEBSITE	Confirmed	8/26/2022	8/29/2022	32'	3
A1 La Playa Cove	A1 Anchorage	8/4/2022	WEBSITE	Confirmed	8/26/2022	8/29/2022	35'	3
A1 La Playa Cove	A1 Anchorage	8/6/2022	WEBSITE	Confirmed	8/26/2022	8/28/2022	44'	2
A1 La Playa Cove	A1 Anchorage	8/8/2022	WEBSITE	Confirmed	8/26/2022	8/28/2022	34'	2
A1 La Playa Cove	A1 Anchorage	8/8/2022	WEBSITE	Confirmed	8/26/2022	8/28/2022	28'	2

2022 Weekend Anchorage Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
A1 La Playa Cove	A1 Anchorage	8/8/2022	WEBSITE	Confirmed	8/26/2022	8/29/2022	30'	3
A1 La Playa Cove	A1 Anchorage	8/11/2022	WEBSITE	Confirmed	8/26/2022	8/28/2022	34'	2
A1 La Playa Cove	A1 Anchorage	8/11/2022	WEBSITE	Confirmed	8/26/2022	8/29/2022		3
A1 La Playa Cove	A1 Anchorage	8/13/2022	WEBSITE	Confirmed	8/26/2022	8/29/2022	34'	3
A1 La Playa Cove	A1 Anchorage	8/15/2022	WEBSITE	Confirmed	8/26/2022	8/27/2022	51'	1
A1 La Playa Cove	A1 Anchorage	8/15/2022	WEBSITE	Confirmed	8/26/2022	8/29/2022	34'	3
A1 La Playa Cove	A1 Anchorage	8/16/2022	WEBSITE	Confirmed	8/26/2022	8/29/2022	43'	3
A1 La Playa Cove	A1 Anchorage	8/17/2022	WEBSITE	Confirmed	8/26/2022	8/29/2022	36'	3
A1 La Playa Cove	A1 Anchorage	8/17/2022	WEBSITE	Confirmed	8/26/2022	8/28/2022	28'	2
A1 La Playa Cove	A1 Anchorage	8/19/2022	WEBSITE	Confirmed	8/26/2022	8/29/2022	47'	3
A1 La Playa Cove	A1 Anchorage	8/19/2022	WEBSITE	Confirmed	8/26/2022	8/28/2022	46'	2
A1 La Playa Cove	A1 Anchorage	8/21/2022	WEBSITE	Confirmed	8/26/2022	8/28/2022	33'	2
A1 La Playa Cove	A1 Anchorage	8/21/2022	WEBSITE	Confirmed	8/26/2022	8/27/2022	33'	1
A1 La Playa Cove	A1 Anchorage	8/24/2022	WEBSITE	Confirmed	8/26/2022	8/29/2022	46'	3
A1 La Playa Cove	A1 Anchorage	8/20/2022	WEBSITE	Confirmed	8/27/2022	8/29/2022	47'	2
A1 La Playa Cove	A1 Anchorage	8/25/2022	WEBSITE	Confirmed	8/27/2022	8/29/2022	32'	2
A1 La Playa Cove	A1 Anchorage	8/26/2022	WEBSITE	Confirmed	8/27/2022	8/28/2022	39'	1
A1 La Playa Cove	A1 Anchorage	8/26/2022	WEBSITE	Confirmed	8/27/2022	8/29/2022	34'	2
A1 La Playa Cove	A1 Anchorage	10/24/2021	WEBSITE	Confirmed	9/2/2022	9/5/2022	26'	3
A1 La Playa Cove	A1 Anchorage	2/14/2022	WEBSITE	Confirmed	9/2/2022	9/5/2022	36'	3
A1 La Playa Cove	A1 Anchorage	2/26/2022	WEBSITE	Confirmed	9/2/2022	9/5/2022	30'	3
A1 La Playa Cove	A1 Anchorage	3/20/2022	WEBSITE	Confirmed	9/2/2022	9/5/2022	34'	3
A1 La Playa Cove	A1 Anchorage	5/5/2022	WEBSITE	Confirmed	9/2/2022	9/5/2022	47'	3
A1 La Playa Cove	A1 Anchorage	5/16/2022	WEBSITE	Confirmed	9/2/2022	9/5/2022	40'	3
A1 La Playa Cove	A1 Anchorage	5/21/2022	WEBSITE	Confirmed	9/2/2022	9/5/2022	52'	3
A1 La Playa Cove	A1 Anchorage	5/24/2022	WEBSITE	Confirmed	9/2/2022	9/5/2022	54'	3
A1 La Playa Cove	A1 Anchorage	5/26/2022	WEBSITE	Confirmed	9/2/2022	9/5/2022	39'	3
A1 La Playa Cove	A1 Anchorage	6/6/2022	WEBSITE	Confirmed	9/2/2022	9/5/2022	56'	3
A1 La Playa Cove	A1 Anchorage	6/26/2022	WEBSITE	Confirmed	9/2/2022	9/5/2022	43'	3
A1 La Playa Cove	A1 Anchorage	7/8/2022	WEBSITE	Confirmed	9/2/2022	9/5/2022	34'	3
A1 La Playa Cove	A1 Anchorage	7/8/2022	WEBSITE	Confirmed	9/2/2022	9/4/2022	46'	2
A1 La Playa Cove	A1 Anchorage	7/16/2022	WEBSITE	Confirmed	9/2/2022	9/5/2022	45'	3
A1 La Playa Cove	A1 Anchorage	7/21/2022	WEBSITE	Confirmed	9/2/2022	9/5/2022	56'	3
A1 La Playa Cove	A1 Anchorage	7/30/2022	WEBSITE	Confirmed	9/2/2022	9/5/2022	53'	3
A1 La Playa Cove	A1 Anchorage	7/30/2022	WEBSITE	Confirmed	9/2/2022	9/5/2022	32'	3
A1 La Playa Cove	A1 Anchorage	8/9/2022	WEBSITE	Confirmed	9/2/2022	9/4/2022	36'	2
A1 La Playa Cove	A1 Anchorage	8/10/2022	WEBSITE	Confirmed	9/2/2022	9/5/2022	56'	3
A1 La Playa Cove	A1 Anchorage	8/15/2022	WEBSITE	Confirmed	9/2/2022	9/5/2022	51'	3
A1 La Playa Cove	A1 Anchorage	8/20/2022	WEBSITE	Confirmed	9/2/2022	9/5/2022	22'	3
A1 La Playa Cove	A1 Anchorage	8/22/2022	WEBSITE	Confirmed	9/2/2022	9/5/2022	41'	3
A1 La Playa Cove	A1 Anchorage	8/23/2022	WEBSITE	Confirmed	9/2/2022	9/5/2022	36'	3
A1 La Playa Cove	A1 Anchorage	8/24/2022	WEBSITE	Confirmed	9/2/2022	9/5/2022	39'	3
A1 La Playa Cove	A1 Anchorage	8/24/2022	WEBSITE	Confirmed	9/2/2022	9/5/2022	52'	3
A1 La Playa Cove	A1 Anchorage	8/25/2022	WEBSITE	Confirmed	9/2/2022	9/5/2022	34'	3
A1 La Playa Cove	A1 Anchorage	8/27/2022	WEBSITE	Confirmed	9/2/2022	9/5/2022	41'	3
A1 La Playa Cove	A1 Anchorage	8/27/2022	WEBSITE	Confirmed	9/2/2022	9/5/2022	34'	3
A1 La Playa Cove	A1 Anchorage	8/28/2022	WEBSITE	Confirmed	9/2/2022	9/5/2022	25'	3
A1 La Playa Cove	A1 Anchorage	8/28/2022	WEBSITE	Confirmed	9/2/2022	9/3/2022	42'	1
A1 La Playa Cove	A1 Anchorage	8/29/2022	WEBSITE	Confirmed	9/2/2022	9/5/2022	38'	3
A1 La Playa Cove	A1 Anchorage	8/30/2022	WEBSITE	Confirmed	9/2/2022	9/3/2022	27'	1
A1 La Playa Cove	A1 Anchorage	8/31/2022	WEBSITE	Confirmed	9/2/2022	9/5/2022	46'	3
A1 La Playa Cove	A1 Anchorage	9/1/2022	WEBSITE	Confirmed	9/2/2022	9/5/2022	30'	3
A1 La Playa Cove	A1 Anchorage	9/1/2022	WEBSITE	Confirmed	9/2/2022	9/4/2022	40'	2
A1 La Playa Cove	A1 Anchorage	9/1/2022	WEBSITE	Confirmed	9/2/2022	9/5/2022	34'	3
A1 La Playa Cove	A1 Anchorage	8/18/2022	WEBSITE	Confirmed	9/3/2022	9/5/2022	50'	2
A1 La Playa Cove	A1 Anchorage	8/12/2022	WEBSITE	Confirmed	9/4/2022	9/5/2022	45'	1
A1 La Playa Cove	A1 Anchorage	8/28/2022	WEBSITE	Confirmed	9/4/2022	9/5/2022	42'	1
A1 La Playa Cove	A1 Anchorage	10/29/2021	WEBSITE	Confirmed	9/9/2022	9/12/2022	38'	3

2022 Weekend Anchorage Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
A1 La Playa Cove	A1 Anchorage	1/20/2022	WEBSITE	Confirmed	9/9/2022	9/12/2022	35'	3
A1 La Playa Cove	A1 Anchorage	2/26/2022	WEBSITE	Confirmed	9/9/2022	9/12/2022	30'	3
A1 La Playa Cove	A1 Anchorage	6/9/2022	WEBSITE	Confirmed	9/9/2022	9/12/2022		3
A1 La Playa Cove	A1 Anchorage	6/17/2022	WEBSITE	Confirmed	9/9/2022	9/12/2022	34'	3
A1 La Playa Cove	A1 Anchorage	6/26/2022	WEBSITE	Confirmed	9/9/2022	9/12/2022	43'	3
A1 La Playa Cove	A1 Anchorage	7/23/2022	WEBSITE	Confirmed	9/9/2022	9/12/2022	49'	3
A1 La Playa Cove	A1 Anchorage	8/12/2022	WEBSITE	Confirmed	9/9/2022	9/12/2022	36'	3
A1 La Playa Cove	A1 Anchorage	8/12/2022	WEBSITE	Confirmed	9/9/2022	9/10/2022	45'	1
A1 La Playa Cove	A1 Anchorage	8/12/2022	WEBSITE	Confirmed	9/9/2022	9/12/2022	34'	3
A1 La Playa Cove	A1 Anchorage	8/15/2022	WEBSITE	Confirmed	9/9/2022	9/12/2022	51'	3
A1 La Playa Cove	A1 Anchorage	8/17/2022	WEBSITE	Confirmed	9/9/2022	9/12/2022	36'	3
A1 La Playa Cove	A1 Anchorage	8/21/2022	WEBSITE	Confirmed	9/9/2022	9/12/2022	36'	3
A1 La Playa Cove	A1 Anchorage	8/28/2022	WEBSITE	Confirmed	9/9/2022	9/12/2022	22'	3
A1 La Playa Cove	A1 Anchorage	8/29/2022	WEBSITE	Confirmed	9/9/2022	9/12/2022	34'	3
A1 La Playa Cove	A1 Anchorage	8/30/2022	WEBSITE	Confirmed	9/9/2022	9/12/2022	35'	3
A1 La Playa Cove	A1 Anchorage	9/2/2022	WEBSITE	Confirmed	9/9/2022	9/11/2022	31'	2
A1 La Playa Cove	A1 Anchorage	9/5/2022	WEBSITE	Confirmed	9/9/2022	9/12/2022	64'	3
A1 La Playa Cove	A1 Anchorage	9/5/2022	WEBSITE	Confirmed	9/9/2022	9/11/2022	33'	2
A1 La Playa Cove	A1 Anchorage	9/6/2022	WEBSITE	Confirmed	9/9/2022	9/12/2022	46'	3
A1 La Playa Cove	A1 Anchorage	9/6/2022	WEBSITE	Confirmed	9/9/2022	9/10/2022	54'	1
A1 La Playa Cove	A1 Anchorage	9/6/2022	WEBSITE	Confirmed	9/9/2022	9/12/2022	34'	3
A1 La Playa Cove	A1 Anchorage	9/7/2022	WEBSITE	Confirmed	9/9/2022	9/12/2022	43'	3
A1 La Playa Cove	A1 Anchorage	9/7/2022	WEBSITE	Confirmed	9/9/2022	9/12/2022	31'	3
A1 La Playa Cove	A1 Anchorage	9/8/2022	WEBSITE	Confirmed	9/9/2022	9/12/2022	35'	3
A1 La Playa Cove	A1 Anchorage	9/8/2022	WEBSITE	Confirmed	9/9/2022	9/12/2022	45'	3
A1 La Playa Cove	A1 Anchorage	9/5/2022	WEBSITE	Confirmed	9/11/2022	9/12/2022	50'	1
A1 La Playa Cove	A1 Anchorage	9/18/2021	WEBSITE	Confirmed	9/16/2022	9/19/2022	35'	3
A1 La Playa Cove	A1 Anchorage	2/23/2022	WEBSITE	Confirmed	9/16/2022	9/19/2022	36'	3
A1 La Playa Cove	A1 Anchorage	4/8/2022	WEBSITE	Confirmed	9/16/2022	9/19/2022	41'	3
A1 La Playa Cove	A1 Anchorage	5/4/2022	WEBSITE	Confirmed	9/16/2022	9/19/2022	50'	3
A1 La Playa Cove	A1 Anchorage	5/18/2022	WEBSITE	Confirmed	9/16/2022	9/19/2022	33'	3
A1 La Playa Cove	A1 Anchorage	5/24/2022	WEBSITE	Confirmed	9/16/2022	9/19/2022	53'	3
A1 La Playa Cove	A1 Anchorage	6/9/2022	WEBSITE	Confirmed	9/16/2022	9/19/2022		3
A1 La Playa Cove	A1 Anchorage	6/16/2022	WEBSITE	Confirmed	9/16/2022	9/19/2022	45'	3
A1 La Playa Cove	A1 Anchorage	6/17/2022	WEBSITE	Confirmed	9/16/2022	9/19/2022	34'	3
A1 La Playa Cove	A1 Anchorage	7/5/2022	WEBSITE	Confirmed	9/16/2022	9/19/2022	37'	3
A1 La Playa Cove	A1 Anchorage	7/30/2022	WEBSITE	Confirmed	9/16/2022	9/19/2022	32'	3
A1 La Playa Cove	A1 Anchorage	8/4/2022	WEBSITE	Confirmed	9/16/2022	9/19/2022	53'	3
A1 La Playa Cove	A1 Anchorage	8/14/2022	WEBSITE	Confirmed	9/16/2022	9/19/2022	35'	3
A1 La Playa Cove	A1 Anchorage	8/14/2022	WEBSITE	Confirmed	9/16/2022	9/19/2022	46'	3
A1 La Playa Cove	A1 Anchorage	8/20/2022	WEBSITE	Confirmed	9/16/2022	9/19/2022	36'	3
A1 La Playa Cove	A1 Anchorage	8/28/2022	WEBSITE	Confirmed	9/16/2022	9/19/2022	33'	3
A1 La Playa Cove	A1 Anchorage	9/5/2022	WEBSITE	Confirmed	9/16/2022	9/19/2022	64'	3
A1 La Playa Cove	A1 Anchorage	9/5/2022	WEBSITE	Confirmed	9/16/2022	9/19/2022	45'	3
A1 La Playa Cove	A1 Anchorage	9/6/2022	WEBSITE	Confirmed	9/16/2022	9/19/2022	46'	3
A1 La Playa Cove	A1 Anchorage	9/10/2022	WEBSITE	Confirmed	9/16/2022	9/19/2022	47'	3
A1 La Playa Cove	A1 Anchorage	9/11/2022	WEBSITE	Confirmed	9/16/2022	9/19/2022	37'	3
A1 La Playa Cove	A1 Anchorage	9/13/2022	WEBSITE	Confirmed	9/16/2022	9/18/2022	47'	2
A1 La Playa Cove	A1 Anchorage	9/13/2022	WEBSITE	Confirmed	9/16/2022	9/19/2022	26'	3
A1 La Playa Cove	A1 Anchorage	9/14/2022	WEBSITE	Confirmed	9/16/2022	9/19/2022	26'	3
A1 La Playa Cove	A1 Anchorage	9/14/2022	WEBSITE	Confirmed	9/16/2022	9/19/2022	40'	3
A1 La Playa Cove	A1 Anchorage	9/14/2022	WEBSITE	Confirmed	9/16/2022	9/19/2022	46'	3
A1 La Playa Cove	A1 Anchorage	9/14/2022	WEBSITE	Confirmed	9/16/2022	9/19/2022	47'	3
A1 La Playa Cove	A1 Anchorage	9/15/2022	WEBSITE	Confirmed	9/16/2022	9/18/2022	42'	2
A1 La Playa Cove	A1 Anchorage	9/15/2022	WEBSITE	Confirmed	9/16/2022	9/19/2022		3
A1 La Playa Cove	A1 Anchorage	9/15/2022	WEBSITE	Confirmed	9/16/2022	9/19/2022	33'	3
A1 La Playa Cove	A1 Anchorage	9/15/2022	WEBSITE	Confirmed	9/16/2022	9/19/2022	47'	3
A1 La Playa Cove	A1 Anchorage	9/15/2022	WEBSITE	Confirmed	9/16/2022	9/18/2022	34'	2

2022 Weekend Anchorage Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
A1 La Playa Cove	A1 Anchorage	9/16/2022	WEBSITE	Confirmed	9/16/2022	9/18/2022		2
A1 La Playa Cove	A1 Anchorage	9/16/2022	WEBSITE	Confirmed	9/17/2022	9/19/2022	31'	2
A1 La Playa Cove	A1 Anchorage	9/16/2022	WEBSITE	Confirmed	9/17/2022	9/18/2022	57'	1
A1 La Playa Cove	A1 Anchorage	12/26/2021	WEBSITE	Confirmed	9/23/2022	9/26/2022	48'	3
A1 La Playa Cove	A1 Anchorage	4/8/2022	WEBSITE	Confirmed	9/23/2022	9/26/2022	41'	3
A1 La Playa Cove	A1 Anchorage	6/16/2022	WEBSITE	Confirmed	9/23/2022	9/26/2022	45'	3
A1 La Playa Cove	A1 Anchorage	6/24/2022	WEBSITE	Confirmed	9/23/2022	9/26/2022	50'	3
A1 La Playa Cove	A1 Anchorage	6/26/2022	WEBSITE	Confirmed	9/23/2022	9/26/2022	43'	3
A1 La Playa Cove	A1 Anchorage	7/20/2022	WEBSITE	Confirmed	9/23/2022	9/26/2022	37'	3
A1 La Playa Cove	A1 Anchorage	8/14/2022	WEBSITE	Confirmed	9/23/2022	9/26/2022	37'	3
A1 La Playa Cove	A1 Anchorage	9/5/2022	WEBSITE	Confirmed	9/23/2022	9/26/2022	64'	3
A1 La Playa Cove	A1 Anchorage	9/8/2022	WEBSITE	Confirmed	9/23/2022	9/25/2022	30'	2
A1 La Playa Cove	A1 Anchorage	9/12/2022	WEBSITE	Confirmed	9/23/2022	9/26/2022	37'	3
A1 La Playa Cove	A1 Anchorage	9/13/2022	WEBSITE	Confirmed	9/23/2022	9/26/2022	26'	3
A1 La Playa Cove	A1 Anchorage	9/13/2022	WEBSITE	Confirmed	9/23/2022	9/26/2022	41'	3
A1 La Playa Cove	A1 Anchorage	9/15/2022	WEBSITE	Confirmed	9/23/2022	9/26/2022	36'	3
A1 La Playa Cove	A1 Anchorage	9/15/2022	WEBSITE	Confirmed	9/23/2022	9/24/2022	36'	1
A1 La Playa Cove	A1 Anchorage	9/15/2022	WEBSITE	Confirmed	9/23/2022	9/26/2022	36'	3
A1 La Playa Cove	A1 Anchorage	9/17/2022	WEBSITE	Confirmed	9/23/2022	9/26/2022	43'	3
A1 La Playa Cove	A1 Anchorage	9/18/2022	WEBSITE	Confirmed	9/23/2022	9/25/2022	40'	2
A1 La Playa Cove	A1 Anchorage	9/20/2022	WEBSITE	Confirmed	9/23/2022	9/26/2022		3
A1 La Playa Cove	A1 Anchorage	9/20/2022	WEBSITE	Confirmed	9/23/2022	9/25/2022	46'	2
A1 La Playa Cove	A1 Anchorage	9/20/2022	WEBSITE	Confirmed	9/23/2022	9/26/2022	36'	3
A1 La Playa Cove	A1 Anchorage	9/21/2022	WEBSITE	Confirmed	9/23/2022	9/26/2022	36'	3
A1 La Playa Cove	A1 Anchorage	9/21/2022	WEBSITE	Confirmed	9/23/2022	9/26/2022	40'	3
A1 La Playa Cove	A1 Anchorage	9/22/2022	WEBSITE	Confirmed	9/23/2022	9/26/2022	45'	3
A1 La Playa Cove	A1 Anchorage	9/22/2022	WEBSITE	Confirmed	9/23/2022	9/26/2022		3
A1 La Playa Cove	A1 Anchorage	9/22/2022	WEBSITE	Confirmed	9/23/2022	9/25/2022	43'	2
A1 La Playa Cove	A1 Anchorage	9/22/2022	WEBSITE	Confirmed	9/23/2022	9/25/2022	34'	2
A1 La Playa Cove	A1 Anchorage	9/22/2022	WEBSITE	Confirmed	9/23/2022	9/26/2022	33'	3
A1 La Playa Cove	A1 Anchorage	9/22/2022	WEBSITE	Confirmed	9/23/2022	9/26/2022	46'	3
A1 La Playa Cove	A1 Anchorage	9/22/2022	WEBSITE	Confirmed	9/23/2022	9/25/2022	37'	2
A1 La Playa Cove	A1 Anchorage	9/23/2022	WEBSITE	Confirmed	9/23/2022	9/26/2022	47'	3
A1 La Playa Cove	A1 Anchorage	9/23/2022	WEBSITE	Confirmed	9/24/2022	9/26/2022	59'	2
A1 La Playa Cove	A1 Anchorage	9/24/2022	WEBSITE	Confirmed	9/24/2022	9/25/2022	48'	1
A1 La Playa Cove	A1 Anchorage	12/20/2021	WEBSITE	Confirmed	9/30/2022	10/3/2022	33'	3
A1 La Playa Cove	A1 Anchorage	12/21/2021	WEBSITE	Confirmed	9/30/2022	10/3/2022	33'	3
A1 La Playa Cove	A1 Anchorage	1/27/2022	WEBSITE	Confirmed	9/30/2022	10/3/2022	48'	3
A1 La Playa Cove	A1 Anchorage	3/16/2022	WEBSITE	Confirmed	9/30/2022	10/3/2022	21'	3
A1 La Playa Cove	A1 Anchorage	3/17/2022	WEBSITE	Confirmed	9/30/2022	10/3/2022	63'	3
A1 La Playa Cove	A1 Anchorage	5/18/2022	WEBSITE	Confirmed	9/30/2022	10/3/2022	33'	3
A1 La Playa Cove	A1 Anchorage	6/9/2022	WEBSITE	Confirmed	9/30/2022	10/3/2022		3
A1 La Playa Cove	A1 Anchorage	6/21/2022	WEBSITE	Confirmed	9/30/2022	10/3/2022	44'	3
A1 La Playa Cove	A1 Anchorage	8/14/2022	WEBSITE	Confirmed	9/30/2022	10/3/2022	19'	3
A1 La Playa Cove	A1 Anchorage	8/22/2022	WEBSITE	Confirmed	9/30/2022	10/2/2022	60'	2
A1 La Playa Cove	A1 Anchorage	8/22/2022	WEBSITE	Confirmed	9/30/2022	10/3/2022	50'	3
A1 La Playa Cove	A1 Anchorage	8/22/2022	WEBSITE	Confirmed	9/30/2022	10/3/2022	22'	3
A1 La Playa Cove	A1 Anchorage	8/22/2022	WEBSITE	Confirmed	9/30/2022	10/2/2022	36'	2
A1 La Playa Cove	A1 Anchorage	8/22/2022	WEBSITE	Confirmed	9/30/2022	10/3/2022	22'	3
A1 La Playa Cove	A1 Anchorage	8/22/2022	WEBSITE	Confirmed	9/30/2022	10/3/2022	12'	3
A1 La Playa Cove	A1 Anchorage	8/22/2022	WEBSITE	Confirmed	9/30/2022	10/2/2022	40'	2
A1 La Playa Cove	A1 Anchorage	8/22/2022	WEBSITE	Confirmed	9/30/2022	10/2/2022	40'	2
A1 La Playa Cove	A1 Anchorage	8/23/2022	WEBSITE	Confirmed	9/30/2022	10/3/2022	36'	3
A1 La Playa Cove	A1 Anchorage	8/24/2022	WEBSITE	Confirmed	9/30/2022	10/2/2022	20'	2
A1 La Playa Cove	A1 Anchorage	8/24/2022	WEBSITE	Confirmed	9/30/2022	10/2/2022	26'	2
A1 La Playa Cove	A1 Anchorage	8/24/2022	WEBSITE	Confirmed	9/30/2022	10/2/2022	23'	2
A1 La Playa Cove	A1 Anchorage	8/24/2022	WEBSITE	Confirmed	9/30/2022	10/2/2022	41'	2
A1 La Playa Cove	A1 Anchorage	8/24/2022	WEBSITE	Confirmed	9/30/2022	10/2/2022	28'	2

2022 Weekend Anchorage Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
A1 La Playa Cove	A1 Anchorage	8/24/2022	WEBSITE	Confirmed	9/30/2022	10/2/2022	25'	2
A1 La Playa Cove	A1 Anchorage	9/11/2022	WEBSITE	Confirmed	9/30/2022	10/2/2022	37'	2
A1 La Playa Cove	A1 Anchorage	9/11/2022	WEBSITE	Confirmed	9/30/2022	10/1/2022	31'	1
A1 La Playa Cove	A1 Anchorage	9/11/2022	WEBSITE	Confirmed	9/30/2022	10/3/2022	42'	3
A1 La Playa Cove	A1 Anchorage	9/11/2022	WEBSITE	Confirmed	9/30/2022	10/1/2022	52'	1
A1 La Playa Cove	A1 Anchorage	9/11/2022	WEBSITE	Confirmed	9/30/2022	10/2/2022	40'	2
A1 La Playa Cove	A1 Anchorage	9/12/2022	WEBSITE	Confirmed	9/30/2022	10/2/2022	30'	2
A1 La Playa Cove	A1 Anchorage	9/12/2022	WEBSITE	Confirmed	9/30/2022	10/3/2022	29'	3
A1 La Playa Cove	A1 Anchorage	9/13/2022	WEBSITE	Confirmed	9/30/2022	10/3/2022	26'	3
A1 La Playa Cove	A1 Anchorage	9/15/2022	WEBSITE	Confirmed	9/30/2022	10/1/2022	33'	1
A1 La Playa Cove	A1 Anchorage	9/16/2022	WEBSITE	Confirmed	9/30/2022	10/3/2022	41'	3
A1 La Playa Cove	A1 Anchorage	9/29/2022	WEBSITE	Confirmed	9/30/2022	10/1/2022	20'	1
A1 La Playa Cove	A1 Anchorage	9/29/2022	WEBSITE	Confirmed	9/30/2022	10/2/2022	40'	2
A1 La Playa Cove	A1 Anchorage	9/30/2022	WEBSITE	Confirmed	9/30/2022	10/3/2022	36'	3
A1 La Playa Cove	A1 Anchorage	9/29/2022	WEBSITE	Confirmed	10/1/2022	10/2/2022	20'	1
A1 La Playa Cove	A1 Anchorage	9/29/2022	WEBSITE	Confirmed	10/1/2022	10/2/2022	45'	1
A1 La Playa Cove	A1 Anchorage	12/26/2021	WEBSITE	Confirmed	10/7/2022	10/10/2022	48'	3
A1 La Playa Cove	A1 Anchorage	1/9/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022	48'	3
A1 La Playa Cove	A1 Anchorage	6/16/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022	45'	3
A1 La Playa Cove	A1 Anchorage	6/26/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022	43'	3
A1 La Playa Cove	A1 Anchorage	7/26/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022	41'	3
A1 La Playa Cove	A1 Anchorage	9/3/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022	38'	3
A1 La Playa Cove	A1 Anchorage	9/6/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022	37'	3
A1 La Playa Cove	A1 Anchorage	9/15/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022		3
A1 La Playa Cove	A1 Anchorage	9/17/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022	43'	3
A1 La Playa Cove	A1 Anchorage	9/20/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022		3
A1 La Playa Cove	A1 Anchorage	9/20/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022	36'	3
A1 La Playa Cove	A1 Anchorage	9/21/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022	40'	3
A1 La Playa Cove	A1 Anchorage	9/22/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022	64'	3
A1 La Playa Cove	A1 Anchorage	9/25/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022	43'	3
A1 La Playa Cove	A1 Anchorage	9/26/2022	WEBSITE	Confirmed	10/7/2022	10/8/2022	40'	1
A1 La Playa Cove	A1 Anchorage	9/26/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022	36'	3
A1 La Playa Cove	A1 Anchorage	9/26/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022	36'	3
A1 La Playa Cove	A1 Anchorage	9/30/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022		3
A1 La Playa Cove	A1 Anchorage	9/30/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022	34'	3
A1 La Playa Cove	A1 Anchorage	10/1/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022		3
A1 La Playa Cove	A1 Anchorage	10/2/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022	59'	3
A1 La Playa Cove	A1 Anchorage	10/2/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022	40'	3
A1 La Playa Cove	A1 Anchorage	10/3/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022	65'	3
A1 La Playa Cove	A1 Anchorage	10/3/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022	26'	3
A1 La Playa Cove	A1 Anchorage	10/3/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022	25'	3
A1 La Playa Cove	A1 Anchorage	10/3/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022	60'	3
A1 La Playa Cove	A1 Anchorage	10/4/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022	31'	3
A1 La Playa Cove	A1 Anchorage	10/4/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022	59'	3
A1 La Playa Cove	A1 Anchorage	10/5/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022	43'	3
A1 La Playa Cove	A1 Anchorage	10/5/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022	42'	3
A1 La Playa Cove	A1 Anchorage	10/5/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022	37'	3
A1 La Playa Cove	A1 Anchorage	10/6/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022	35'	3
A1 La Playa Cove	A1 Anchorage	10/6/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022	46'	3
A1 La Playa Cove	A1 Anchorage	10/7/2022	WEBSITE	Confirmed	10/7/2022	10/10/2022	47'	3
A1 La Playa Cove	A1 Anchorage	2/23/2022	WEBSITE	Confirmed	10/14/2022	10/17/2022	36'	3
A1 La Playa Cove	A1 Anchorage	6/16/2022	WEBSITE	Confirmed	10/14/2022	10/17/2022	45'	3
A1 La Playa Cove	A1 Anchorage	6/17/2022	WEBSITE	Confirmed	10/14/2022	10/17/2022	34'	3
A1 La Playa Cove	A1 Anchorage	6/21/2022	WEBSITE	Confirmed	10/14/2022	10/17/2022		3
A1 La Playa Cove	A1 Anchorage	7/26/2022	WEBSITE	Confirmed	10/14/2022	10/17/2022	41'	3
A1 La Playa Cove	A1 Anchorage	9/3/2022	WEBSITE	Confirmed	10/14/2022	10/17/2022	38'	3
A1 La Playa Cove	A1 Anchorage	9/6/2022	WEBSITE	Confirmed	10/14/2022	10/17/2022	37'	3
A1 La Playa Cove	A1 Anchorage	9/14/2022	WEBSITE	Confirmed	10/14/2022	10/16/2022	44'	2

2022 Weekend Anchorage Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
A1 La Playa Cove	A1 Anchorage	9/15/2022	WEBSITE	Confirmed	10/14/2022	10/17/2022		3
A1 La Playa Cove	A1 Anchorage	9/20/2022	WEBSITE	Confirmed	10/14/2022	10/16/2022	45'	2
A1 La Playa Cove	A1 Anchorage	9/20/2022	WEBSITE	Confirmed	10/14/2022	10/17/2022	32'	3
A1 La Playa Cove	A1 Anchorage	9/20/2022	WEBSITE	Confirmed	10/14/2022	10/17/2022		3
A1 La Playa Cove	A1 Anchorage	9/22/2022	WEBSITE	Confirmed	10/14/2022	10/17/2022	64'	3
A1 La Playa Cove	A1 Anchorage	9/26/2022	WEBSITE	Confirmed	10/14/2022	10/15/2022	40'	1
A1 La Playa Cove	A1 Anchorage	9/30/2022	WEBSITE	Confirmed	10/14/2022	10/17/2022		3
A1 La Playa Cove	A1 Anchorage	10/1/2022	WEBSITE	Confirmed	10/14/2022	10/17/2022	55'	3
A1 La Playa Cove	A1 Anchorage	10/2/2022	WEBSITE	Confirmed	10/14/2022	10/17/2022	40'	3
A1 La Playa Cove	A1 Anchorage	10/6/2022	WEBSITE	Confirmed	10/14/2022	10/17/2022	38'	3
A1 La Playa Cove	A1 Anchorage	10/7/2022	WEBSITE	Confirmed	10/14/2022	10/17/2022	36'	3
A1 La Playa Cove	A1 Anchorage	10/7/2022	WEBSITE	Confirmed	10/14/2022	10/17/2022	47'	3
A1 La Playa Cove	A1 Anchorage	10/7/2022	WEBSITE	Confirmed	10/14/2022	10/16/2022	47'	2
A1 La Playa Cove	A1 Anchorage	10/9/2022	WEBSITE	Confirmed	10/14/2022	10/17/2022	36'	3
A1 La Playa Cove	A1 Anchorage	10/10/2022	WEBSITE	Confirmed	10/14/2022	10/16/2022	59'	2
A1 La Playa Cove	A1 Anchorage	10/10/2022	WEBSITE	Confirmed	10/14/2022	10/15/2022		1
A1 La Playa Cove	A1 Anchorage	10/11/2022	WEBSITE	Confirmed	10/14/2022	10/17/2022	45'	3
A1 La Playa Cove	A1 Anchorage	10/11/2022	WEBSITE	Confirmed	10/14/2022	10/17/2022	35'	3
A1 La Playa Cove	A1 Anchorage	10/11/2022	WEBSITE	Confirmed	10/14/2022	10/16/2022	40'	2
A1 La Playa Cove	A1 Anchorage	10/11/2022	WEBSITE	Confirmed	10/14/2022	10/17/2022	40'	3
A1 La Playa Cove	A1 Anchorage	10/11/2022	WEBSITE	Confirmed	10/14/2022	10/16/2022	59'	2
A1 La Playa Cove	A1 Anchorage	10/12/2022	WEBSITE	Confirmed	10/14/2022	10/17/2022	46'	3
A1 La Playa Cove	A1 Anchorage	10/13/2022	WEBSITE	Confirmed	10/14/2022	10/17/2022	38'	3
A1 La Playa Cove	A1 Anchorage	10/13/2022	WEBSITE	Confirmed	10/14/2022	10/17/2022	36'	3
A1 La Playa Cove	A1 Anchorage	10/13/2022	WEBSITE	Confirmed	10/14/2022	10/17/2022	36'	3
A1 La Playa Cove	A1 Anchorage	10/14/2022	WEBSITE	Confirmed	10/15/2022	10/16/2022	36'	1
A1 La Playa Cove	A1 Anchorage	10/29/2021	WEBSITE	Confirmed	10/21/2022	10/24/2022	38'	3
A1 La Playa Cove	A1 Anchorage	12/22/2021	WEBSITE	Confirmed	10/21/2022	10/24/2022	40'	3
A1 La Playa Cove	A1 Anchorage	12/26/2021	WEBSITE	Confirmed	10/21/2022	10/24/2022	48'	3
A1 La Playa Cove	A1 Anchorage	6/16/2022	WEBSITE	Confirmed	10/21/2022	10/24/2022	45'	3
A1 La Playa Cove	A1 Anchorage	6/26/2022	WEBSITE	Confirmed	10/21/2022	10/24/2022	38'	3
A1 La Playa Cove	A1 Anchorage	6/26/2022	WEBSITE	Confirmed	10/21/2022	10/24/2022	43'	3
A1 La Playa Cove	A1 Anchorage	7/26/2022	WEBSITE	Confirmed	10/21/2022	10/24/2022	41'	3
A1 La Playa Cove	A1 Anchorage	8/3/2022	WEBSITE	Confirmed	10/21/2022	10/22/2022	34'	1
A1 La Playa Cove	A1 Anchorage	9/6/2022	WEBSITE	Confirmed	10/21/2022	10/24/2022	37'	3
A1 La Playa Cove	A1 Anchorage	9/12/2022	WEBSITE	Confirmed	10/21/2022	10/23/2022	44'	2
A1 La Playa Cove	A1 Anchorage	9/19/2022	WEBSITE	Confirmed	10/21/2022	10/23/2022	36'	2
A1 La Playa Cove	A1 Anchorage	9/22/2022	WEBSITE	Confirmed	10/21/2022	10/24/2022	64'	3
A1 La Playa Cove	A1 Anchorage	9/26/2022	WEBSITE	Confirmed	10/21/2022	10/22/2022	40'	1
A1 La Playa Cove	A1 Anchorage	10/7/2022	WEBSITE	Confirmed	10/21/2022	10/24/2022		3
A1 La Playa Cove	A1 Anchorage	10/10/2022	WEBSITE	Confirmed	10/21/2022	10/24/2022	36'	3
A1 La Playa Cove	A1 Anchorage	10/13/2022	WEBSITE	Confirmed	10/21/2022	10/24/2022	47'	3
A1 La Playa Cove	A1 Anchorage	10/15/2022	WEBSITE	Confirmed	10/21/2022	10/24/2022	36'	3
A1 La Playa Cove	A1 Anchorage	10/15/2022	WEBSITE	Confirmed	10/21/2022	10/24/2022	44'	3
A1 La Playa Cove	A1 Anchorage	10/16/2022	WEBSITE	Confirmed	10/21/2022	10/24/2022	37'	3
A1 La Playa Cove	A1 Anchorage	10/17/2022	WEBSITE	Confirmed	10/21/2022	10/24/2022	26'	3
A1 La Playa Cove	A1 Anchorage	10/18/2022	WEBSITE	Confirmed	10/21/2022	10/24/2022	36'	3
A1 La Playa Cove	A1 Anchorage	10/18/2022	WEBSITE	Confirmed	10/21/2022	10/24/2022	40'	3
A1 La Playa Cove	A1 Anchorage	10/18/2022	WEBSITE	Confirmed	10/21/2022	10/23/2022	35'	2
A1 La Playa Cove	A1 Anchorage	10/18/2022	WEBSITE	Confirmed	10/21/2022	10/24/2022	45'	3
A1 La Playa Cove	A1 Anchorage	10/18/2022	WEBSITE	Confirmed	10/21/2022	10/23/2022	42'	2
A1 La Playa Cove	A1 Anchorage	10/19/2022	WEBSITE	Confirmed	10/21/2022	10/23/2022	38'	2
A1 La Playa Cove	A1 Anchorage	10/20/2022	WEBSITE	Confirmed	10/21/2022	10/24/2022	40'	3
A1 La Playa Cove	A1 Anchorage	10/20/2022	WEBSITE	Confirmed	10/21/2022	10/24/2022	42'	3
A1 La Playa Cove	A1 Anchorage	10/20/2022	WEBSITE	Confirmed	10/21/2022	10/24/2022	35'	3
A1 La Playa Cove	A1 Anchorage	10/20/2022	WEBSITE	Confirmed	10/21/2022	10/22/2022	24'	1
A1 La Playa Cove	A1 Anchorage	10/21/2022	WEBSITE	Confirmed	10/21/2022	10/22/2022	26'	1
A1 La Playa Cove	A1 Anchorage	10/20/2022	WEBSITE	Confirmed	10/22/2022	10/23/2022	27'	1

2022 Weekend Anchorage Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
A1 La Playa Cove	A1 Anchorage	10/21/2022	WEBSITE	Confirmed	10/22/2022	10/24/2022	33'	2
A1 La Playa Cove	A1 Anchorage	1/9/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022	48'	3
A1 La Playa Cove	A1 Anchorage	4/4/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022	45'	3
A1 La Playa Cove	A1 Anchorage	4/4/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022	48'	3
A1 La Playa Cove	A1 Anchorage	4/4/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022	65'	3
A1 La Playa Cove	A1 Anchorage	4/4/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022	36'	3
A1 La Playa Cove	A1 Anchorage	4/4/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022	42'	3
A1 La Playa Cove	A1 Anchorage	4/4/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022	50'	3
A1 La Playa Cove	A1 Anchorage	4/4/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022	38'	3
A1 La Playa Cove	A1 Anchorage	4/4/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022	30'	3
A1 La Playa Cove	A1 Anchorage	4/4/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022	34'	3
A1 La Playa Cove	A1 Anchorage	4/4/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022	34'	3
A1 La Playa Cove	A1 Anchorage	4/4/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022	63'	3
A1 La Playa Cove	A1 Anchorage	4/4/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022	37'	3
A1 La Playa Cove	A1 Anchorage	4/4/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022	43'	3
A1 La Playa Cove	A1 Anchorage	4/4/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022	35'	3
A1 La Playa Cove	A1 Anchorage	4/4/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022	31'	3
A1 La Playa Cove	A1 Anchorage	4/4/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022	48'	3
A1 La Playa Cove	A1 Anchorage	4/4/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022	34'	3
A1 La Playa Cove	A1 Anchorage	4/4/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022	48'	3
A1 La Playa Cove	A1 Anchorage	4/4/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022	36'	3
A1 La Playa Cove	A1 Anchorage	4/4/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022	50'	3
A1 La Playa Cove	A1 Anchorage	4/4/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022	40'	3
A1 La Playa Cove	A1 Anchorage	4/5/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022	36'	3
A1 La Playa Cove	A1 Anchorage	4/5/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022	43'	3
A1 La Playa Cove	A1 Anchorage	4/5/2022	Moorings	Confirmed	10/28/2022	10/31/2022		3
A1 La Playa Cove	A1 Anchorage	4/6/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022	42'	3
A1 La Playa Cove	A1 Anchorage	4/14/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022	43'	3
A1 La Playa Cove	A1 Anchorage	5/11/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022	39'	3
A1 La Playa Cove	A1 Overflow	10/7/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022		3
A1 La Playa Cove	A1 Overflow	10/7/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022		3
A1 La Playa Cove	A1 Anchorage	10/7/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022		3
A1 La Playa Cove	A1 Anchorage	10/7/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022		3
A1 La Playa Cove	A1 Anchorage	10/7/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022		3
A1 La Playa Cove	A1 Overflow	10/7/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022		3
A1 La Playa Cove	A1 Overflow	10/7/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022		3
A1 La Playa Cove	A1 Overflow	10/7/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022		3
A1 La Playa Cove	A1 Anchorage	10/7/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022		3
A1 La Playa Cove	A1 Anchorage	10/10/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022	43'	3
A1 La Playa Cove	A1 Anchorage	10/17/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022	39'	3
A1 La Playa Cove	A1 Anchorage	10/19/2022	Moorings	Confirmed	10/28/2022	10/31/2022	53'	3
A1 La Playa Cove	A1 Anchorage	10/22/2022	WEBSITE	Confirmed	10/28/2022	10/30/2022	47'	2
A1 La Playa Cove	A1 Anchorage	10/24/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022		3
A1 La Playa Cove	A1 Anchorage	10/24/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022		3
A1 La Playa Cove	A1 Anchorage	10/24/2022	WEBSITE	Confirmed	10/28/2022	10/31/2022		3
A1 La Playa Cove	A1 Anchorage	10/24/2022	WEBSITE	Confirmed	10/28/2022	10/30/2022	28'	2
A1 La Playa Cove	A1 Anchorage	10/24/2022	WEBSITE	Confirmed	10/30/2022	10/31/2022	55'	1
A1 La Playa Cove	A1 Anchorage	10/24/2022	WEBSITE	Confirmed	10/30/2022	10/31/2022	37'	1
A1 La Playa Cove	A1 Anchorage	12/26/2021	WEBSITE	Confirmed	11/4/2022	11/7/2022	48'	3
A1 La Playa Cove	A1 Anchorage	1/26/2022	WEBSITE	Confirmed	11/4/2022	11/7/2022	43'	3
A1 La Playa Cove	A1 Anchorage	6/16/2022	WEBSITE	Confirmed	11/4/2022	11/7/2022	45'	3
A1 La Playa Cove	A1 Anchorage	7/26/2022	WEBSITE	Confirmed	11/4/2022	11/7/2022	41'	3
A1 La Playa Cove	A1 Anchorage	9/22/2022	WEBSITE	Confirmed	11/4/2022	11/7/2022	64'	3
A1 La Playa Cove	A1 Anchorage	9/30/2022	WEBSITE	Confirmed	11/4/2022	11/5/2022	34'	1
A1 La Playa Cove	A1 Anchorage	10/5/2022	WEBSITE	Confirmed	11/4/2022	11/7/2022	37'	3
A1 La Playa Cove	A1 Anchorage	10/10/2022	WEBSITE	Confirmed	11/4/2022	11/7/2022		3
A1 La Playa Cove	A1 Anchorage	10/11/2022	WEBSITE	Confirmed	11/4/2022	11/7/2022	51'	3
A1 La Playa Cove	A1 Anchorage	10/15/2022	WEBSITE	Confirmed	11/4/2022	11/7/2022	44'	3

2022 Weekend Anchorage Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
A1 La Playa Cove	A1 Anchorage	10/18/2022	WEBSITE	Confirmed	11/4/2022	11/7/2022		3
A1 La Playa Cove	A1 Anchorage	10/22/2022	WEBSITE	Confirmed	11/4/2022	11/7/2022	47'	3
A1 La Playa Cove	A1 Anchorage	10/24/2022	WEBSITE	Confirmed	11/4/2022	11/7/2022	42'	3
A1 La Playa Cove	A1 Anchorage	10/25/2022	WEBSITE	Confirmed	11/4/2022	11/7/2022	40'	3
A1 La Playa Cove	A1 Anchorage	10/26/2022	WEBSITE	Confirmed	11/4/2022	11/7/2022	30'	3
A1 La Playa Cove	A1 Anchorage	10/27/2022	WEBSITE	Confirmed	11/4/2022	11/7/2022	59'	3
A1 La Playa Cove	A1 Anchorage	10/27/2022	WEBSITE	Confirmed	11/4/2022	11/7/2022	42'	3
A1 La Playa Cove	A1 Anchorage	10/27/2022	WEBSITE	Confirmed	11/4/2022	11/5/2022	36'	1
A1 La Playa Cove	A1 Anchorage	10/28/2022	WEBSITE	Confirmed	11/4/2022	11/6/2022	35'	2
A1 La Playa Cove	A1 Anchorage	10/31/2022	WEBSITE	Confirmed	11/4/2022	11/7/2022	37'	3
A1 La Playa Cove	A1 Anchorage	10/31/2022	WEBSITE	Confirmed	11/4/2022	11/7/2022	38'	3
A1 La Playa Cove	A1 Anchorage	11/1/2022	WEBSITE	Confirmed	11/4/2022	11/6/2022	42'	2
A1 La Playa Cove	A1 Anchorage	11/1/2022	WEBSITE	Confirmed	11/4/2022	11/7/2022	30'	3
A1 La Playa Cove	A1 Anchorage	11/1/2022	WEBSITE	Confirmed	11/4/2022	11/7/2022	36'	3
A1 La Playa Cove	A1 Anchorage	11/2/2022	WEBSITE	Confirmed	11/4/2022	11/7/2022		3
A1 La Playa Cove	A1 Anchorage	11/2/2022	WEBSITE	Confirmed	11/4/2022	11/7/2022	42'	3
A1 La Playa Cove	A1 Anchorage	11/3/2022	WEBSITE	Confirmed	11/4/2022	11/7/2022	26'	3
A1 La Playa Cove	A1 Anchorage	11/4/2022	WEBSITE	Confirmed	11/4/2022	11/7/2022	31'	3
A1 La Playa Cove	A1 Anchorage	6/16/2022	WEBSITE	Confirmed	11/11/2022	11/14/2022	45'	3
A1 La Playa Cove	A1 Anchorage	6/17/2022	WEBSITE	Confirmed	11/11/2022	11/14/2022	34'	3
A1 La Playa Cove	A1 Anchorage	7/26/2022	WEBSITE	Confirmed	11/11/2022	11/14/2022	41'	3
A1 La Playa Cove	A1 Anchorage	9/22/2022	WEBSITE	Confirmed	11/11/2022	11/14/2022	64'	3
A1 La Playa Cove	A1 Anchorage	9/27/2022	WEBSITE	Confirmed	11/11/2022	11/14/2022	35'	3
A1 La Playa Cove	A1 Anchorage	10/11/2022	WEBSITE	Confirmed	11/11/2022	11/14/2022	36'	3
A1 La Playa Cove	A1 Anchorage	10/23/2022	WEBSITE	Confirmed	11/11/2022	11/14/2022	36'	3
A1 La Playa Cove	A1 Anchorage	10/24/2022	WEBSITE	Confirmed	11/11/2022	11/14/2022	37'	3
A1 La Playa Cove	A1 Anchorage	10/27/2022	WEBSITE	Confirmed	11/11/2022	11/14/2022	36'	3
A1 La Playa Cove	A1 Anchorage	11/1/2022	WEBSITE	Confirmed	11/11/2022	11/14/2022		3
A1 La Playa Cove	A1 Anchorage	11/1/2022	WEBSITE	Confirmed	11/11/2022	11/14/2022	36'	3
A1 La Playa Cove	A1 Anchorage	11/5/2022	WEBSITE	Confirmed	11/11/2022	11/14/2022	49'	3
A1 La Playa Cove	A1 Anchorage	11/7/2022	WEBSITE	Confirmed	11/11/2022	11/14/2022	36'	3
A1 La Playa Cove	A1 Anchorage	11/9/2022	WEBSITE	Confirmed	11/11/2022	11/13/2022	34'	2
A1 La Playa Cove	A1 Anchorage	11/9/2022	WEBSITE	Confirmed	11/11/2022	11/14/2022	30'	3
A1 La Playa Cove	A1 Anchorage	11/10/2022	WEBSITE	Confirmed	11/11/2022	11/14/2022	36'	3
A1 La Playa Cove	A1 Anchorage	10/19/2022	WEBSITE	Confirmed	11/12/2022	11/13/2022	38'	1
A1 La Playa Cove	A1 Anchorage	4/3/2022	WEBSITE	Confirmed	11/18/2022	11/21/2022	43'	3
A1 La Playa Cove	A1 Anchorage	6/16/2022	WEBSITE	Confirmed	11/18/2022	11/21/2022	45'	3
A1 La Playa Cove	A1 Anchorage	6/17/2022	WEBSITE	Confirmed	11/18/2022	11/21/2022	34'	3
A1 La Playa Cove	A1 Anchorage	7/26/2022	WEBSITE	Confirmed	11/18/2022	11/21/2022	41'	3
A1 La Playa Cove	A1 Anchorage	10/26/2022	WEBSITE	Confirmed	11/18/2022	11/21/2022		3
A1 La Playa Cove	A1 Anchorage	10/30/2022	WEBSITE	Confirmed	11/18/2022	11/20/2022	42'	2
A1 La Playa Cove	A1 Anchorage	11/1/2022	WEBSITE	Confirmed	11/18/2022	11/21/2022	36'	3
A1 La Playa Cove	A1 Anchorage	11/4/2022	WEBSITE	Confirmed	11/18/2022	11/21/2022	31'	3
A1 La Playa Cove	A1 Anchorage	11/5/2022	WEBSITE	Confirmed	11/18/2022	11/21/2022	53'	3
A1 La Playa Cove	A1 Anchorage	11/8/2022	WEBSITE	Confirmed	11/18/2022	11/21/2022	32'	3
A1 La Playa Cove	A1 Anchorage	11/13/2022	WEBSITE	Confirmed	11/18/2022	11/21/2022	43'	3
A1 La Playa Cove	A1 Anchorage	11/13/2022	WEBSITE	Confirmed	11/18/2022	11/21/2022	26'	3
A1 La Playa Cove	A1 Anchorage	11/14/2022	WEBSITE	Confirmed	11/18/2022	11/21/2022	31'	3
A1 La Playa Cove	A1 Anchorage	11/15/2022	WEBSITE	Confirmed	11/18/2022	11/21/2022	47'	3
A1 La Playa Cove	A1 Anchorage	11/15/2022	WEBSITE	Confirmed	11/18/2022	11/21/2022	30'	3
A1 La Playa Cove	A1 Anchorage	11/15/2022	WEBSITE	Confirmed	11/18/2022	11/21/2022	32'	3
A1 La Playa Cove	A1 Anchorage	11/16/2022	WEBSITE	Confirmed	11/18/2022	11/21/2022	47'	3
A1 La Playa Cove	A1 Anchorage	11/16/2022	WEBSITE	Confirmed	11/18/2022	11/21/2022	36'	3
A1 La Playa Cove	A1 Anchorage	11/17/2022	WEBSITE	Confirmed	11/18/2022	11/21/2022	42'	3
A1 La Playa Cove	A1 Anchorage	11/17/2022	WEBSITE	Confirmed	11/18/2022	11/21/2022	35'	3
A1 La Playa Cove	A1 Anchorage	8/10/2022	WEBSITE	Confirmed	11/19/2022	11/21/2022	55'	2
A1 La Playa Cove	A1 Anchorage	6/15/2022	WEBSITE	Confirmed	11/25/2022	11/28/2022	37'	3
A1 La Playa Cove	A1 Anchorage	9/22/2022	WEBSITE	Confirmed	11/25/2022	11/28/2022	64'	3

2022 Weekend Anchorage Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
A1 La Playa Cove	A1 Anchorage	10/27/2022	WEBSITE	Confirmed	11/25/2022	11/28/2022	60'	3
A1 La Playa Cove	A1 Anchorage	11/4/2022	WEBSITE	Confirmed	11/25/2022	11/28/2022	53'	3
A1 La Playa Cove	A1 Anchorage	11/16/2022	WEBSITE	Confirmed	11/25/2022	11/28/2022	47'	3
A1 La Playa Cove	A1 Anchorage	11/17/2022	WEBSITE	Confirmed	11/25/2022	11/28/2022	44'	3
A1 La Playa Cove	A1 Anchorage	11/18/2022	WEBSITE	Confirmed	11/25/2022	11/28/2022	38'	3
A1 La Playa Cove	A1 Anchorage	11/18/2022	WEBSITE	Confirmed	11/25/2022	11/28/2022		3
A1 La Playa Cove	A1 Anchorage	11/19/2022	WEBSITE	Confirmed	11/25/2022	11/28/2022	43'	3
A1 La Playa Cove	A1 Anchorage	11/21/2022	WEBSITE	Confirmed	11/25/2022	11/27/2022	36'	2
A1 La Playa Cove	A1 Anchorage	11/22/2022	WEBSITE	Confirmed	11/25/2022	11/28/2022	37'	3
A1 La Playa Cove	A1 Anchorage	11/23/2022	WEBSITE	Confirmed	11/25/2022	11/28/2022	36'	3
A1 La Playa Cove	A1 Anchorage	11/23/2022	WEBSITE	Confirmed	11/25/2022	11/28/2022	30'	3
A1 La Playa Cove	A1 Anchorage	11/24/2022	WEBSITE	Confirmed	11/25/2022	11/28/2022	42'	3
A1 La Playa Cove	A1 Anchorage	11/24/2022	WEBSITE	Confirmed	11/25/2022	11/28/2022	32'	3
A1 La Playa Cove	A1 Anchorage	11/24/2022	WEBSITE	Confirmed	11/25/2022	11/28/2022		3
A1 La Playa Cove	A1 Anchorage	11/25/2022	WEBSITE	Confirmed	11/26/2022	11/27/2022	42'	1
A1 La Playa Cove	A1 Anchorage	11/26/2022	WEBSITE	Confirmed	11/26/2022	11/28/2022	42'	2
A1 La Playa Cove	A1 Anchorage	11/27/2022	WEBSITE	Confirmed	11/27/2022	11/28/2022		1
A1 La Playa Cove	A1 Anchorage	12/26/2021	WEBSITE	Confirmed	12/2/2022	12/5/2022	48'	3
A1 La Playa Cove	A1 Anchorage	3/17/2022	WEBSITE	Confirmed	12/2/2022	12/5/2022	44'	3
A1 La Playa Cove	A1 Anchorage	6/16/2022	WEBSITE	Confirmed	12/2/2022	12/5/2022	45'	3
A1 La Playa Cove	A1 Anchorage	10/26/2022	WEBSITE	Confirmed	12/2/2022	12/5/2022	64'	3
A1 La Playa Cove	A1 Anchorage	11/8/2022	WEBSITE	Confirmed	12/2/2022	12/5/2022	32'	3
A1 La Playa Cove	A1 Anchorage	11/18/2022	WEBSITE	Confirmed	12/2/2022	12/5/2022	43'	3
A1 La Playa Cove	A1 Anchorage	11/25/2022	WEBSITE	Confirmed	12/2/2022	12/5/2022	36'	3
A1 La Playa Cove	A1 Anchorage	11/26/2022	WEBSITE	Confirmed	12/2/2022	12/5/2022	36'	3
A1 La Playa Cove	A1 Anchorage	11/28/2022	WEBSITE	Confirmed	12/2/2022	12/4/2022	43'	2
A1 La Playa Cove	A1 Anchorage	11/28/2022	WEBSITE	Confirmed	12/2/2022	12/5/2022	41'	3
A1 La Playa Cove	A1 Anchorage	11/29/2022	WEBSITE	Confirmed	12/2/2022	12/5/2022	41'	3
A1 La Playa Cove	A1 Anchorage	11/29/2022	WEBSITE	Confirmed	12/2/2022	12/5/2022	45'	3
A1 La Playa Cove	A1 Anchorage	11/30/2022	WEBSITE	Confirmed	12/2/2022	12/5/2022	35'	3
A1 La Playa Cove	A1 Anchorage	11/30/2022	WEBSITE	Confirmed	12/2/2022	12/5/2022	32'	3
A1 La Playa Cove	A1 Anchorage	11/30/2022	WEBSITE	Confirmed	12/2/2022	12/3/2022	24'	1
A1 La Playa Cove	A1 Anchorage	11/30/2022	WEBSITE	Confirmed	12/2/2022	12/5/2022	54'	3
A1 La Playa Cove	A1 Anchorage	11/30/2022	WEBSITE	Confirmed	12/2/2022	12/5/2022	30'	3
A1 La Playa Cove	A1 Anchorage	12/1/2022	WEBSITE	Confirmed	12/2/2022	12/5/2022	36'	3
A1 La Playa Cove	A1 Anchorage	12/1/2022	WEBSITE	Confirmed	12/2/2022	12/5/2022	26'	3
A1 La Playa Cove	A1 Anchorage	12/1/2022	WEBSITE	Confirmed	12/2/2022	12/5/2022	36'	3
A1 La Playa Cove	A1 Anchorage	12/1/2022	WEBSITE	Confirmed	12/2/2022	12/5/2022	40'	3
A1 La Playa Cove	A1 Anchorage	12/1/2022	WEBSITE	Confirmed	12/2/2022	12/4/2022	42'	2
A1 La Playa Cove	A1 Anchorage	12/2/2022	WEBSITE	Confirmed	12/2/2022	12/5/2022	36'	3
A1 La Playa Cove	A1 Anchorage	12/3/2022	WEBSITE	Confirmed	12/3/2022	12/4/2022	51'	1
A1 La Playa Cove	A1 Anchorage	6/16/2022	WEBSITE	Confirmed	12/9/2022	12/12/2022	45'	3
A1 La Playa Cove	A1 Anchorage	9/30/2022	WEBSITE	Confirmed	12/9/2022	12/10/2022	34'	1
A1 La Playa Cove	A1 Anchorage	10/5/2022	WEBSITE	Confirmed	12/9/2022	12/12/2022	37'	3
A1 La Playa Cove	A1 Anchorage	10/26/2022	WEBSITE	Confirmed	12/9/2022	12/12/2022	64'	3
A1 La Playa Cove	A1 Anchorage	11/8/2022	WEBSITE	Confirmed	12/9/2022	12/12/2022	32'	3
A1 La Playa Cove	A1 Anchorage	11/14/2022	WEBSITE	Confirmed	12/9/2022	12/12/2022	53'	3
A1 La Playa Cove	A1 Anchorage	11/14/2022	WEBSITE	Confirmed	12/9/2022	12/12/2022	43'	3
A1 La Playa Cove	A1 Anchorage	11/30/2022	WEBSITE	Confirmed	12/9/2022	12/12/2022	40'	3
A1 La Playa Cove	A1 Anchorage	12/1/2022	WEBSITE	Confirmed	12/9/2022	12/12/2022	36'	3
A1 La Playa Cove	A1 Anchorage	12/1/2022	WEBSITE	Confirmed	12/9/2022	12/12/2022	47'	3
A1 La Playa Cove	A1 Anchorage	12/3/2022	WEBSITE	Confirmed	12/9/2022	12/12/2022	59'	3
A1 La Playa Cove	A1 Anchorage	12/5/2022	WEBSITE	Confirmed	12/9/2022	12/12/2022	36'	3
A1 La Playa Cove	A1 Anchorage	12/6/2022	WEBSITE	Confirmed	12/9/2022	12/12/2022	44'	3
A1 La Playa Cove	A1 Anchorage	12/7/2022	WEBSITE	Confirmed	12/9/2022	12/12/2022	37'	3
A1 La Playa Cove	A1 Anchorage	12/8/2022	WEBSITE	Confirmed	12/9/2022	12/12/2022	40'	3
A1 La Playa Cove	A1 Anchorage	12/9/2022	WEBSITE	Confirmed	12/9/2022	12/12/2022	32'	3
A1 La Playa Cove	A1 Anchorage	12/9/2022	WEBSITE	Confirmed	12/9/2022	12/12/2022	59'	3

2022 Weekend Anchorage Reservations Summary Table

Marina	Mooring	Date Reservation Made	Made At	Status	Arrival Date	Departure Date	Boat Length	Length of Stay (Nights)
A1 La Playa Cove	A1 Anchorage	12/9/2022	WEBSITE	Confirmed	12/9/2022	12/12/2022	48'	3
A1 La Playa Cove	A1 Anchorage	12/26/2021	WEBSITE	Confirmed	12/16/2022	12/19/2022	48'	3
A1 La Playa Cove	A1 Anchorage	7/26/2022	WEBSITE	Confirmed	12/16/2022	12/19/2022	41'	3
A1 La Playa Cove	A1 Anchorage	10/15/2022	WEBSITE	Confirmed	12/16/2022	12/19/2022	44'	3
A1 La Playa Cove	A1 Anchorage	10/23/2022	WEBSITE	Confirmed	12/16/2022	12/19/2022	36'	3
A1 La Playa Cove	A1 Anchorage	12/4/2022	WEBSITE	Confirmed	12/16/2022	12/19/2022	53'	3
A1 La Playa Cove	A1 Anchorage	12/5/2022	WEBSITE	Confirmed	12/16/2022	12/18/2022	39'	2
A1 La Playa Cove	A1 Anchorage	12/9/2022	WEBSITE	Confirmed	12/16/2022	12/19/2022	36'	3
A1 La Playa Cove	A1 Anchorage	12/11/2022	WEBSITE	Confirmed	12/16/2022	12/19/2022	44'	3
A1 La Playa Cove	A1 Anchorage	12/13/2022	WEBSITE	Confirmed	12/16/2022	12/19/2022	35'	3
A1 La Playa Cove	A1 Anchorage	12/14/2022	WEBSITE	Confirmed	12/16/2022	12/17/2022	44'	1
A1 La Playa Cove	A1 Anchorage	12/14/2022	WEBSITE	Confirmed	12/16/2022	12/19/2022	32'	3
A1 La Playa Cove	A1 Anchorage	12/14/2022	WEBSITE	Confirmed	12/16/2022	12/19/2022	36'	3
A1 La Playa Cove	A1 Anchorage	12/15/2022	WEBSITE	Confirmed	12/16/2022	12/19/2022	32'	3
A1 La Playa Cove	A1 Anchorage	12/15/2022	WEBSITE	Confirmed	12/16/2022	12/19/2022	36'	3
A1 La Playa Cove	A1 Anchorage	12/15/2022	WEBSITE	Confirmed	12/16/2022	12/17/2022	37'	1
A1 La Playa Cove	A1 Anchorage	12/15/2022	WEBSITE	Confirmed	12/16/2022	12/19/2022		3
A1 La Playa Cove	A1 Anchorage	12/15/2022	WEBSITE	Confirmed	12/16/2022	12/19/2022	40'	3
A1 La Playa Cove	A1 Anchorage	12/15/2022	WEBSITE	Confirmed	12/16/2022	12/19/2022		3
A1 La Playa Cove	A1 Anchorage	6/15/2022	WEBSITE	Confirmed	12/23/2022	12/26/2022	37'	3
A1 La Playa Cove	A1 Anchorage	6/16/2022	WEBSITE	Confirmed	12/23/2022	12/26/2022		3
A1 La Playa Cove	A1 Anchorage	7/26/2022	WEBSITE	Confirmed	12/23/2022	12/26/2022	41'	3
A1 La Playa Cove	A1 Anchorage	11/27/2022	WEBSITE	Confirmed	12/23/2022	12/26/2022	49'	3
A1 La Playa Cove	A1 Anchorage	12/1/2022	WEBSITE	Confirmed	12/23/2022	12/26/2022	43'	3
A1 La Playa Cove	A1 Anchorage	12/3/2022	WEBSITE	Confirmed	12/23/2022	12/26/2022	59'	3
A1 La Playa Cove	A1 Anchorage	12/8/2022	WEBSITE	Confirmed	12/23/2022	12/26/2022	35'	3
A1 La Playa Cove	A1 Anchorage	12/14/2022	WEBSITE	Confirmed	12/23/2022	12/26/2022	53'	3
A1 La Playa Cove	A1 Anchorage	12/15/2022	WEBSITE	Confirmed	12/23/2022	12/26/2022	36'	3
A1 La Playa Cove	A1 Anchorage	12/19/2022	WEBSITE	Confirmed	12/23/2022	12/26/2022		3
A1 La Playa Cove	A1 Anchorage	12/21/2022	WEBSITE	Confirmed	12/23/2022	12/26/2022	43'	3
A1 La Playa Cove	A1 Anchorage	12/22/2022	WEBSITE	Confirmed	12/23/2022	12/26/2022	64'	3
A1 La Playa Cove	A1 Anchorage	12/22/2022	WEBSITE	Confirmed	12/23/2022	12/26/2022	59'	3
A1 La Playa Cove	A1 Anchorage	12/22/2022	WEBSITE	Confirmed	12/23/2022	12/26/2022	36'	3
A1 La Playa Cove	A1 Anchorage	12/22/2022	WEBSITE	Confirmed	12/23/2022	12/26/2022	36'	3
A1 La Playa Cove	A1 Anchorage	12/23/2022	WEBSITE	Confirmed	12/23/2022	12/26/2022	31'	3
A1 La Playa Cove	A1 Anchorage	1/9/2022	WEBSITE	Confirmed	12/30/2022	1/2/2023	48'	3
A1 La Playa Cove	A1 Anchorage	6/15/2022	WEBSITE	Confirmed	12/30/2022	1/2/2023	37'	3
A1 La Playa Cove	A1 Anchorage	6/17/2022	WEBSITE	Confirmed	12/30/2022	1/2/2023	34'	3
A1 La Playa Cove	A1 Anchorage	12/1/2022	WEBSITE	Confirmed	12/30/2022	1/2/2023	43'	3
A1 La Playa Cove	A1 Anchorage	12/4/2022	WEBSITE	Confirmed	12/30/2022	1/1/2023	42'	2
A1 La Playa Cove	A1 Anchorage	12/21/2022	WEBSITE	Confirmed	12/30/2022	1/2/2023	43'	3
A1 La Playa Cove	A1 Anchorage	12/22/2022	WEBSITE	Confirmed	12/30/2022	12/31/2022	50'	1
A1 La Playa Cove	A1 Anchorage	12/24/2022	WEBSITE	Confirmed	12/30/2022	1/2/2023	60'	3
A1 La Playa Cove	A1 Anchorage	12/24/2022	WEBSITE	Confirmed	12/30/2022	1/2/2023	59'	3
A1 La Playa Cove	A1 Anchorage	12/24/2022	WEBSITE	Confirmed	12/30/2022	1/2/2023	53'	3
A1 La Playa Cove	A1 Anchorage	12/24/2022	WEBSITE	Confirmed	12/30/2022	1/2/2023	40'	3
A1 La Playa Cove	A1 Anchorage	12/26/2022	WEBSITE	Confirmed	12/30/2022	1/2/2023	36'	3
A1 La Playa Cove	A1 Anchorage	12/26/2022	WEBSITE	Confirmed	12/30/2022	1/2/2023	36'	3
A1 La Playa Cove	A1 Anchorage	12/26/2022	WEBSITE	Confirmed	12/30/2022	1/2/2023	34'	3
A1 La Playa Cove	A1 Anchorage	12/28/2022	WEBSITE	Confirmed	12/30/2022	1/2/2023	38'	3
A1 La Playa Cove	A1 Anchorage	12/28/2022	WEBSITE	Confirmed	12/30/2022	1/2/2023	30'	3
A1 La Playa Cove	A1 Anchorage	12/28/2022	WEBSITE	Confirmed	12/30/2022	1/2/2023		3
A1 La Playa Cove	A1 Anchorage	12/29/2022	WEBSITE	Confirmed	12/30/2022	1/2/2023	45'	3
A1 La Playa Cove	A1 Anchorage	12/29/2022	WEBSITE	Confirmed	12/30/2022	1/2/2023	32'	3
A1 La Playa Cove	A1 Anchorage	12/29/2022	WEBSITE	Confirmed	12/30/2022	12/31/2022	38'	1
A1 La Playa Cove	A1 Anchorage	12/29/2022	WEBSITE	Confirmed	12/30/2022	1/2/2023	46'	3
A1 La Playa Cove	A1 Anchorage	12/29/2022	WEBSITE	Confirmed	12/30/2022	1/2/2023	25'	3
A1 La Playa Cove	A1 Anchorage	12/26/2022	WEBSITE	Confirmed	12/31/2022	1/1/2023	38'	1

DATA FOR SIYB MARINAS AND YACHT CLUBS

Facility	Slip	%	Type	Length	Beam	PaintType	PaintProductName	Product #	Boatyard	Paint Month	Paint Year	EPA_Registration Number	Percent Copper
BCM	1	100	P	36	14	AGED COPPER	ULTRA KOTE	Y3669U	SIBY	10	2016	2693-119-ZD	0.57
BCM	2	100	P	32	12	COPPER	ULTRA BLACK	3779F	DRISCOLL MB	7	2021	2693-212-AA	0.55
BCM	3	100	S	32.5	11.9	LOW COPPER	PETTIT TRINIDAD HD	1271	SIBY	7	2020	60061-64-ZD	0.53
BCM	4	100	S	36.3	11.9	LOW COPPER	PETTIT TRINIDAD HD	1271	SIBY	12	2020	60061-64-ZD	0.53
BCM	5	97	P	29	10.5	COPPER	ULTRA WITH BIOLUX	3779	MGBW	10	2021	2693-212-AA	0.55
BCM	6	100	P	32	11.5	COPPER			82022				
BCM	7	100	S	35	11.5	LOW COPPER	PETTIT TRINIDAD HD	1271	SIBY	4	2021	60061-64-ZD	0.53
BCM	8	100	P	31	10.5	LOW COPPER	ULTRA BLUE	3669	KOEHLER	6	2020	2693-212-AA	0.55
BCM	9	89	S	34.6	11.9	AGED COPPER	ULTRA BLUE	3669	SIBY	5	2019	2693-212-AA	0.55
BCM	10	100	P	36	12.11	COPPER	ULTRA BLUE	3669	MGBW	2	2021	2693-212-AA	0.55
BCM	11	100	S	29.5		LOW COPPER	PETTIT TRINIDAD HD	1871	SIBY	4	2021	60061-64-ZD	0.53
BCM	12	99	S	27	9	AGED COPPER			22017				
BCM	13	100	P	17	6	AGED COPPER	ULTRA BLUE	3669F	SIBY	12	2018	2693-212-AA	0.55
BCM	14	100	S	24	8	AGED COPPER	ULTRA-KOTE	Y3669U	SIBY	1	2016	2693-119-ZD	0.57
BCM	15	100	P	25	12	COPPER			102021				
BCM	16	0				NON COPPER	UNUSABLE SIDE TIE						0
BCM	17	100	P	40.3	12.3	COPPER			22021				
BCM	18	96	P	34	12	LOW COPPER	PETTIT TRINIDAD HD	1871	SIBY	10	2022	60061- 64-ZD	0.53
BCM	19	100	P	35.3	14	AGED COPPER	FIBERGLASS BOTTOMKOTE NT	YBB379	DRISCOLL MB	11	2016	2693-228-AA	0.25
BCM	20	90	P	33.5	11.4	LOW COPPER	PETTIT TRINIDAD HD	1871	SIBY	6	2021	60061- 64-ZD	0.53
BCM	21	96	P	34	11.6	AGED COPPER	ULTRA BLACK	3779	KOEHLER	3	2019	2693-192-AA	0.55
BCM	22	100	P	32	10.6	COPPER	PETTIT TRINIDAD HD	1871	SIBY	10	2020	60061-64-ZD	0.53
BCM	23	100	P	34	12.6	COPPER	PETTIT TRINIDAD PRO	1082FD	SIBY	11	2020	60061- 49-ZM	0.65
BCM	24	100	P	32	11.6	LOW COPPER	PETTIT TRINIDAD HD	1871	SIBY	3	2020	60061-64-ZD	0.53
BCM	25	100	P	34	14	AGED COPPER	ULTRA-KOTE	Y3669U	SIBY	10	2016	2693-119-ZD	0.57
BCM	26	100	S	38	21.5	LOW COPPER	PETTIT TRINIDAD HD	1271	SIBY	1	2022	60061- 64-ZD	0.53
BCM	27	100	S	24	8	LOW COPPER	PETTIT TRINIDAD HD	1871	SIBY	8	2020	60061- 64-ZD	0.53
BCM	28	100	S	18.6	6.3	AGED COPPER	ULTRA KOTE BLUE	2669N		4	2016	2693-135-ZF	0.57
BCM	29	100	S	18.5	7	NON COPPER	SHELTER ISLAND PLUS	8241	SELF	8	2021	Registration NR2	0
BCM	30	88	P	26	8.6	AGED COPPER	ULTRA-KOTE	Y3779U	DRISCOLL MB	9	2017	2693-119-ZD	0.57
BCM	31	93	P	16	6	COPPER			102022				0
BCM	32	100	P	13.3	4	AGED COPPER	BAY CLUB WHALER		62011				0
BCM	33	82	P	53	15.2	LOW COPPER	PETTIT TRINIDAD HD	1871	SIBY	9	2020	60061- 64-ZD	0.53
BCM	34	100	S	41	12	AGED COPPER	ULTRA BLACK	3779	SIBY	11	2017	2693-192-AA	0.55
BCM	35	96	P	48	12	AGED COPPER	PROLINE	1088C-02	SIBY	7	2012	577-551-ZC	0.56
BCM	36	96	P	38	13	LOW COPPER	PETTIT TRINIDAD HD	1871	SIBY	9	2021	60061- 64-ZD	0.53
BCM	37	100	S	49	14.9	LOW COPPER	PETTIT TRINIDAD HD	1871	SIBY	3	2021	60061- 64-ZD	0.53
BCM	38	100	S	44.5	14	AGED COPPER	PETTIT TRINIDAD PRO	1082GL	DRISCOLL	7	2017	60061- 49-ZM	0.56
BCM	39	96	P	37	13.9	LOW COPPER	ULTRA-KOTE	Y3669U	SIBY	8	2018	2693-119-ZD	0.57
BCM	40	100	P	26	6	LOW COPPER	ULTRA BLUE	3669F	MGBW	3	2022	2693-212-AA	0.55
BCM	41	100	P	42	13.6	AGED COPPER	ULTRA-KOTE	Y3669U	SIBY	7	2017	2693-119-ZD	0.57
BCM	42	100	S	31	11	NON COPPER	PROLINE 1051 COPPER FREE	CQ105102	SIBY	11	2022	577-570	0
BCM	43	100	P	39	13.5	LOW COPPER	ULTRA BLACK	3779F	MGBW	2	2020	2693-212-AA	0.55
BCM	44	93	S	29.11	10.1	LOW COPPER	PETTIT TRINIDAD HD	1871	SIBY	11	2021	60061- 64-ZD	0.53
BCM	45	100	S	29	10.6	LOW COPPER	PETTIT TRINIDAD HD	1671	SIBY	8	2021	60061- 64-ZD	0.53
BCM	46	100	S	30	8	LOW COPPER	ULTRA BLUE	Y3669F	DRISCOLL	5	2021	2693-212-AA	0.55
BCM	47	100	S	29.11	10.1	AGED COPPER	PETTIT TRINIDAD PRO	A1088G	KOEHLER	8	2014	60061-94-ZB	0.6
BCM	48	100	S	34.5	12	AGED COPPER	ULTRA BLACK	3779	SIBY	4	2018	2693-192-AA	0.55
BCM	49	93	S	30	10.5	LOW COPPER	Z*SPAR BOTTOM PRO GOLD	12284238	SIBY	5	2020	60061- 94-ZE	0.6
BCM	50	100	P	26.2	8.6	LOW COPPER	PETTIT HYDROCOAT	1847	SELF	10	2021	60061- 141-AA	0.4
BCM	51	100	S	41	12	LOW COPPER	PETTIT TRINIDAD HD	1871	SIBY	2	2014	60061-49-ZD	0.53
BCM	52	100	P	59	18	LOW COPPER	PETTIT TRINIDAD HD	1871	MARITIME YACHTS	2	2022	60061-64-ZD	0.53
BCM	53	100	P	42	13.5	LOW COPPER	PETTIT TRINIDAD HD	1871	SIBY	4	2022	60061-49-ZD	0.53

Facility	Slip	%	Type	Length	Beam	PaintType	PaintProductName	Product #	Boatyard	Paint Month	Paint Year	EPA_Registration Number	Percent Copper
BCM	54	99	P	42	13.8	LOW COPPER	ULTRA RED	3449	SIBY	2	2018	2693-192-ZA	0.55
BCM	55	100	P	46	14.6	LOW COPPER	ULTRA BLUE	3669	DRISCOLL	3	2010	2693-192-ZB	0.55
BCM	56	100	S	42	13	COPPER	ULTRA BLACK	3779	SIBY	8	2020	2693-192-AA	0.55
BCM	57	100	S	48	13	AGED COPPER	PROLINE	1088C-02	SIBY	4	2019	577-551-ZC	0.56
BCM	58	100	S	40	13	LOW COPPER	ULTRA-KOTE BLUE	Y3669U	SIBY	4	2017	2693-119-ZD	0.57
BCM	59	100	S	35	10	LOW COPPER	MICRON CSC HS	Y3779U	DRISCOLL	6	2021	2693-225-AA	0.33
BCM	60	88	P	43	16	LOW COPPER	Z*SPAR THE PROTECTOR	8109406	MARINA DEL REY	11	2019	60061-64-ZB	0.53
BCM	61	86	S	29	11	LOW COPPER	PETTIT TRINIDAD HD	1871	SIBY	9	2019	60061-49-ZD	0.53
BCM	62	100	S	30	10	LOW COPPER	ULTRA BLUE	Y3669F	SIBY	10	2018	2693-212-AA	0.55
BCM	63	96	S	25	8	LOW COPPER	PETTIT TRINIDAD HD	1271	SIBY	6	2020	60061- 64-ZD	0.53
BCM	64	100	S	30	10.8	LOW COPPER	PETTIT TRINIDAD HD	1271	SIBY	8	2021	60061- 64-ZD	0.53
BCM	65	100	S	30	10.1	COPPER			72020				
BCM	66	100	S	31	11.6	LOW COPPER	PETTIT TRINIDAD HD	1271	SIBY	12	2021	60061-64-ZD	0.53
BCM	67	94	S	35	11	LOW COPPER	PETTIT TRINIDAD HD	1871	SIBY	11	2022	60061-64-ZD	0.53
BCM	68	100	S	27	8	AGED COPPER	ULTRA BLUE	3669	SIBY	4	2019	2693-192-ZB	0.55
BCM	69	100	S	30	10	LOW COPPER	PETTIT TRINIDAD HD	1871	SIBY	5	2020	60061-64-ZD	0.53
BCM	70	100	P	33	10.5	COPPER			92022				
BCM	71	99	P	54	14	LOW COPPER	PETTIT TRINIDAD HD	1871	SIBY	3	2022	60061-64-ZD	0.53
BCM	72	99	P	33	14	LOW COPPER	Z*SPAR BOTTOM PRO GOLD	8109106	NB	9	2022	60061-94-ZE	
BCM	73	93	P	36	12	AGED COPPER	ULTRA BLACK	3779	SIBY	1	2013	2693-192-AA	0.55
BCM	74	100	P	36	13.1	LOW COPPER	PETTIT TRINIDAD HD	1871	SIBY	5	2021	60061-49-ZD	0.53
BCM	75	100	S	34	11	COPPER	PETTIT TRINIDAD PRO	1083FDG	SIBY	1	2020	60061-49-ZM	0.6
BCM	76	100	S	35	11.9	LOW COPPER	PETTIT TRINIDAD HD	1871	SIBY	9	2021	60061-49-ZD	0.53
BCM	77	100	P	34	12	LOW COPPER	PETTIT TRINIDAD HD	1871	SIBY	11	2020	60061-64-ZD	0.53
BCM	78	97	P	36	11.9	AGED COPPER	ULTRA BLACK	3779F	SIBY	4	2019	2693-192-AA	0.55
BCM	79	93	P	48	12	AGED COPPER	ULTRA BLACK	3779	SIBY	12	2014	2693-192-AA	0.55
BCM	80	99	P	34	13	LOW COPPER	PETTIT TRINIDADHD	1871	SIBY	11	2021	60061-64-ZD	0.53
BCM	81	99	S	43	12	LOW COPPER	MICRON CSC	5583G	KOEHLER	1	2020	2693-132-ZV	0.37
BCM	82	99	S	37	12.9	LOW COPPER	PETTIT TRINIDAD HD	1271	SIBY	7	2021	60061- 64-ZD	0.53
BCM	83	100	S	44	13	COPPER	PETTIT ULTIMA SR 60	1109606	SIBY	8	2020	60061-94-ZC	0.6
BCM	84	96	S	36	10.5	NON-COPPER	INTERSHIELD 300V	ENA311	KOEHLER	3	2017	--	0
BCM	85	100	P	44	11	AGED COPPER	ULTRA BLUE	3669	SIBY	2	2019	2693-212-AA	0.55
BCM	86	96	P	37.8	14.9	LOW COPPER	ULTRAKOTE	Y3779U	DRISCOL MB	1	2022	2693-119-ZE	0.57
BCM	87	100	S	45	14.9	COPPER			82020				
BCM	88	82	P	49	15.6	LOW COPPER	Z*SPAR BOTTOM PRO GOLD	41127706	DRISCOLL	10	2018	60061-94-ZE	0.65
BCM	89	96	P	42	13.5	AGED COPPER	ULTRA RED	3449	SIBY	6	2017	2693-192-ZA	0.55
BCM	90	100	P	33	11.7	COPPER			52022				
BCM	91	55	S	35	12	LOW COPPER	PETTIT TRINIDAD HD	1871	SIBY	9	2020	60061-64-ZD	0.53
BCM	92	76	S	32.5	11.75	LOW COPPER	PETTIT TRINIDAD PRO	A10882	SIBY	8	2018	60061-94-ZB	0.6
BCM	93	90	S	35	11.6	LOW COPPER	PETTIT TRINIDAD HD	1871	SIBY	7	2020	60061-64-ZD	0.53
BCM	94	100	S	36	12.5	LOW COPPER	PETTIT TRINIDAD HD	1271	SIBY	11	2019	60061- 64-ZD	0.53
BCM	95	100	S	36	10	COPPER	ULTRA BLACK	3779F	KOEHLER	5	2022	2693-212-AA	0.55
BCM	96	95	S	35	12.2	COPPER	ULTRA BLACK	3779	DRISCOLL	4	2021	2693-192-AA	0.55
BCM	97	92	S	40	22	LOW COPPER	ULTRAKOTE	Y3669U	DRISCOLL	10	2022	2693-119-ZE	0.53
BCM	98	74	S	44	13	LOW COPPER	PETTIT TRINIDAD HD	1871	SIBY	11	2022	60061-64-ZD	0.55
BCM	99	100	S	34	11	LOW COPPER	ULTRA GREEN	3559	SIBY	5	2019	2693-192-ZC	0.55
BCM	100	100	P	44	14.9	COPPER	ULTRA BLACK	3779	KOEHLER	5	2021	2693-212-AA	0.55
BCM	101	95	S	39.1	12.7	LOW COPPER	ULTRA KOTE	Y3779U	DRISCOLL	2	2022	2693-119-ZE	0.53
BCM	102	100	S	46	14	AGED COPPER	PROLINE	1088C-02	SIBY	2	2009	577-551-ZC	0.56
BCM	103	96	S	38	12.4	COPPER	ULTRA WITH BIOLUX	Y3669F/1	SIBY	9	2021	2693-212-AA	0.55
BCM	104	96	S	38	12.11	AGED COPPER	Z*SPAR	B91	OXNARD	4	2019	60061-49-ZG	0.65
BCM	105	100	P	33	11.5	COPPER	ULTRA BLACK	3779	DRISCOLL	7	2020	2693-192-AA	0.55
BCM	106	59	P	42	13.5	COPPER			22022				
BCM	107	100	P	29.5	10.5	COPPER			72020				

Facility	Slip	%	Type	Length	Beam	PaintType	PaintProductName	Product #	Boatyard	Paint Month	Paint Year	EPA_Registration Number	Percent Copper
BCM	108	99	S	32	11	AGED COPPER	PETTIT		42009				
BCM	109	95	S	35	10	AGED COPPER	ULTRA BLACK	3779	SIBY	7	2010	2693-192-AA	0.55
BCM	110	100	P	28	8.6	NON COPPER	PETTIT VIVID FREE ANTIFOUL	1861	BULLET PROOF MARINA	8	2022	60061- 118-ZA	0
BCM	111	100	P	30	9.9	LOW COPPER	PETTIT TRINIDAD HD	1871	SIBY	12	2020	60061-64-ZD	0.53
BCM	112	100	P	32.5	12	LOW COPPER	PETTIT TRINIDAD HD	1871	SIBY	8	2021	60061-64-ZD	0.53
BCM	113	99	S	33	10	AGED COPPER	ULTRA BLACK	3779	SIBY	2	2019	2693-192-AA	0.55
BCM	114	100	S	27	7	NON COPPER	PACIFICA PLUS	YBB260	SVENDSENS BAY	3	2018	2693- 220-ZA	0
BCM	115	100	S	29	9.25	LOW COPPER	MICRON EXTRA	5793	DRISCOLL	4	2014	2693-190-ZJ	0.37
BCM	116	100	P	30	10	AGED COPPER	Z*SPAR BLUE	BP-91	WINWARD YACHTS	4	2014	60061-49-ZG	0.4
BCM	117	82	S	65	18	NON COPPER	SEAHAWK SMART SOLUTION	4705	GRENADA	3	2018	44891-19-AA	0
BCM	118	0				NON COPPER							0
BCM	119	99	S	32	10.5	LOW COPPER	PETTIT TRINIDAD HD	1671	DANA POINT	8	2021	60061-64-ZD	0.53
BCM	120	96	S	32	11	LOW COPPER	PETTIT TRINIDAD HD	1871	SIBY	11	2022	60061-64-ZD	0.56
BCM	121	99	S	30	10	LOW COPPER	PETTIT TRINIDAD HD	1871	SIBY	6	2020	60061- 64-ZD	0.53
BCM	122	100	S	30	10	AGED COPPER	ULTRA BLACK	3779	SIBY	6	2015	2693-192-AA	0.55
BCM	123	97	S	38	10.5	COPPER			22021				
BCM	124	96	S	34	12	COPPER	ULTRA RED	3449	SELF APPLIED@ KOEHLER	4	2022	2693-192-ZA	0.55
BCM	125	100	S	33	9.7	AGED COPPER	PROLINE	1088C-02	DRISCOLL	5	2016	577-551-ZC	0.56
BCM	126	100	S	35	10.5	AGED COPPER	ULTRA BLACK	3779	KOEHLER	2	2013	2693-192-AA	0.55
BCM	127	96	S	33	9.7	AGED COPPER	ULTRA BLACK	3779	SIBY	6	2011	2693-192-AA	0.55
BCM	128	100	S	36	11	AGED COPPER	ULTRA BLACK	3779	SIBY	2	2019	2693-192-AA	0.55
BCM	129	97	S	32	11	LOW COPPER	SUPER PROGUARD	NAU770	NB	7	2016	23566-20-ZR	0.55
BCM	130	100	S	33.5	11.5	AGED COPPER			122013				
BCM	131	100	S	34	11	AGED COPPER			22014				
BCM	132	96	S	25	8	LOW COPPER	PETTIT TRINIDAD HD	1271	SIBY	6	2020	60061- 64-ZD	0.53
BCM	133	100	S	30	10	LOW COPPER	ULTRA BLACK	3779	SIBY	6	2018	2693-192-AA	0.55
BCM	134	100	S	33	11.5	AGED COPPER	PROLINE	1088C-02	SIBY	3	2016	577-551-ZC	0.56
BCM	135	100	S	30	10	LOW COPPER	PETTIT TRINIDAD HD	1871	SIBY	5	2020	60061-64-ZD	0.53
BCM	136	90	S	34.8	10	AGED COPPER			62016				
BCM	137	100	S	29	8	COPPER							
BCM	138	92	S	34	11.9	AGED COPPER	ULTRA BLUE	3669	SIBY	4	2019	2693-192-ZB	0.55
BCM	139	96	S	36	20	LOW COPPER	PETTIT TRINIDAD HD	1871	SIBY	4	2021	60061-64-ZD	0.53
BCM	140	100	S	40	11.83	COPPER	ULTRA BLACK	3779	KOEHLER	10	2020	2693-192-AA	0.55
BCM	141	100	S	28	10	AGED COPPER	ULTRA GREEN	3559	SIBY	9	2016	2693-192-ZC	0.55
BCM	142	90	S	36	11	COPPER	ULTRA BLUE	3669	DRISCOLL	11	2021	2693-212-AA	0.55
BCM	143	96	S	28	10	AGED COPPER	ULTRA GREEN	3559	DANA POINT	4	2018	2693-192-ZC	0.53
BCM	144	100	P	31.5	10.8	COPPER			72021				
BCM	145	96	P	34	11.9	NON COPPER	PPG AMERCOAT ABC3	7313-18	MGBW	5	2021	69470-40-AA-56601	0
BCM	146	95	S	30.2	6.5	LOW COPPER	PETTIT TRINIDAD HD	1271	SIBY	3	2020	60061- 64-ZD	0.53
BCM	147	68	S	35	10	AGED COPPER			72016				
BCM	148	93	S	30	10.6	COPPER	Z*SPAR BOTTOM PRO GOLD	BP-91	LARSON SHIPYARD	1	2021	60061-49-ZG	0.25
BCM	149	90	S	32	9.8	LOW COPPER	Z*SPAR BOTTOM PRO GOLD	411127706	DRISCOLL	11	2018	60061-117-ZE	0.4
BCM	150	100	S	34	11.25	LOW COPPER	PETTIT TRINIDAD HD	1271	SIBY	10	2020	60061- 64-ZD	0.53
BCM	151	0				NON COPPER	UNUSABLE SIDE TIE						0
BCM	152	0				NON COPPER	UNUSABLE SIDE TIE						0
BCM	153	0				NON COPPER	UNUSABLE SIDE TIE						0
BCM	154	0				NON COPPER	UNUSABLE SIDE TIE						0
BCM	155	0				NON COPPER	UNUSABLE SIDE TIE						0
BCM	156	0				NON COPPER	UNUSABLE SIDE TIE						

Facility	Slip	% Year Occupying Slip	Power or Sail (P or S)	Vessel Length	Vessel Beam	Paint Brand Name	EPA REGISTRATION #	Product #	Paint Type (Copper, Low, NON, UNK)	% Copper	Boatyard Where Paint Was Applied	Month Painted	Year Painted
KKM	1												
KKM	2												
KKM	3	90%	p	28	11	Interlux	Y3779F	na	CU copper	na	Driscol's Boat Works	9	2021
KKM	4												
KKM	5	100%	p	31.5	10.4	INTERLUX ULTRA 3379F black	1282307	3779	COPPER	40%	Shelter Island Boat Yard	12	2018
KKM	6												
KKM	7	na (only has dingy)	na	na	na	na	na	na	na	na	na	na	na
KKM	8	95%	s	36	10.5	TRINIDAD PETTIT	60061-50	1675	unk	NA	driscolls	4	2015
KKM	9	100	p	32	11.5	Pettit Trinidad	60061-64	1871	na	na	Shelter Island Marina Yard	9	2020
KKM	10	100%	S	30	10	Interlux Ultra Black	3779F	3779F	UNK	NA	Shelter Island Boat Yard	3	2018
KKM	11	99%	p	23.8	8.6	CSF	44891-16				boat specialists	7	2021
KKM	12	80%	P	36	13	INTERLUX ULTRA		377F	LOW	NA	SHELTER ISLAND BOATYARD	2	2015
KKM	13												
KKM	14	100%	s	36	10								
KKM	15												
KKM	16	100%	P	30	6.5	Interlux Ultra Black	2693-212		LOW	NA	shelter island boatyard	12	2017
KKM	17	95%	P	26	8	Interlux Ultrakote	2693-119-ZD	3779U	COPPER	NA	Shelter Island Boatyard	10	2017
KKM	18	100%	p	30	11.6								
KKM	19												
KKM	20	90%	P	35	11	interlux ultra black	2693-212-AA	3779F	copper	NA	shelter island boatyard	5	2018
KKM	21	98%	P	32.7	11.5				unk	unk	unk	unk	unk
KKM	22	90%	S	35	11	INTERLUX ULTRA BLACK		3779F	UNK	NA	Shelter Island Boatyard	5	2018
KKM	23												
KKM	24	100`%	p	33	34	Pettit Pro	5215595	1108806			Dana Point Ship Yard	10	2017
KKM	25	100%	P	30	10	Petit Trinidad HD	60064-64	1187106	NA	NA	Shelter Island Boat Yard	1	2019
KKM	26	100%	P	33	NA	Y3779F/1	2693-119	NA	NA	NA	Sunset Aquatic Boatyard	12	2020
KKM	27												
KKM	28	25%	S	36	11	Proline 1088	577-550-ZE	168	COPPER	65%	Shelter Island Boatyard	6	2013
KKM	29												
KKM	30	90%	S	33	11.4	INTERLUX ULTRAKOTE	2693-119-ZD	366916	NON	NA	SHELTER ISLAND	NA	NA
KKM	31												
KKM	32												
KKM	33	100%	p	34	8	Trilux 33		yba063					
KKM	34												
KKM	35												
KKM	36	100%	P	33	9.6	Interlux Ultra Kote	2693-212	y3779u	unk	NA	Koehler	4	2017
KKM	37	100%	s	34	10								
KKM	38												
KKM	39	100	P	32	10	pettit hydrocoat eco	60061-137	na	na	na	na	7	2021
KKM	40												
KKM	41	100%	p	30									
KKM	42												
KKM	43												
KKM	44												
KKM	45												
KKM	46												
KKM	47	90%	p	31	11	Z*Spar Anti Fouling	#16471682	unk	UNK	NA	Koeler Krafts	4	2017
KKM	48												
KKM	49	75%	p	30	11	Pettit Trinidad HD	60061-64	unk	unk	unk	Safe Harbor Shelter Island	5	2022

Facility	Slip	% Year Occupying Slip	Power or Sail (P or S)	Vessel Length	Vessel Beam	Paint Brand Name	EPA REGISTRATION #	Product #	Paint Type (Copper, Low, NON, UNK)	% Copper	Boatyard Where Paint Was Applied	Month Painted	Year Painted
KKM	50	100%	S	31	22	PROLINE	577-550-ZE	1088	copper	0%	Shelter Island Boatyard	12	2016
KKM	51												
KKM	52	100%	P	32	14	NA	2693-212	NA	NA	NA	NIELSON BEAUMONT	7	2019
KKM	53												
KKM	54												
KKM	55	95%	P	38	12	NA		NA	NA	NA	NA	NA	NA
KKM	56												
KKM	57												
KKM	58	60%	P	24	8.5	Sherwin Williams		N51B301	non copper	0%	Driscoll	6	2019
KKM	59												
KKM	60												
KKM	61												
KKM	62												
KKM	63	100%	P	35	16	NA		NA	NON	NA	Neilsen Boatyard	4	2014
KKM	64	100	p	26	--	Pettit Trinidad HD Black	60061-64	1187106	na	na	basin marine inc	7	2021
KKM	65	100%	P	40	14	INTERLUX ULTRA	2693-212	NA	NA	NA	Shelter Island Boatyard	4	2019
KKM	66	100	p	30	10.4	krypton	60061-134-89049	1147420	na		basin marine inc	11	2018
KKM	67												
KKM	68	100%	P	26	8.5	Woolsey Defense	4301G	4301G			Neilsen Boatyard	6	2018
KKM	69												
KKM	70												
KKM	71												
KKM	72	90%	S	27	9	NA		NA	LOW	NA	DRISCOLL	5	2013
KKM	73	100%	p	39	15								
KKM	74												
KKM	75	90%	P	42	16	NA		NA	UNK	0%	MARINE WORKS	5	2013
KKM	76	75%	P	22	8	Sherwin Williams Pro line		1088C	UNK	NA	SELF APPLIED	5	2018
KKM	77	25%	p	23	7	interlux ultra	43669f/1	Y3669f/1			shelter island		2015
KKM	78												
KKM	79												
KKM	80	100%	p	23	8.8								
KKM	81	100%	S	40.5	13.5	INTERLUX ULTRAKOTE	2693-119-ZD	3669U	COPPER	55%	Shelter Island Boatyard	8	2016
KKM	82	100%	p	30	10								
KKM	83	50%	P	36	12	NA		NA	UNK	NA	Shelter Island Boatyard	7	2014
KKM	84	90%	P	28	10	WEST BOTTOM PRO		NA	LOW	NA	MARINE WORKS	4	2009
KKM	85												
KKM	86												
KKM	87	100%	s	37'9"	11	Interlux Micro 66	2693-187	na	na	na	Safe Harbor on Shelter Island	11	2022
KKM	88												
KKM	89	95%	P	40.1	14.1	Pettit Trinidad	60061-64	1871	UNK	NA	Shelter Island Boatyard	March	2020
KKM	90												
KKM	91												
KKM	92												
KKM	93												
KKM	94	80%	p	41	15.3	interlux ultra	2693-119	na	na	na	DRISCOLL	NA	2019
KKM	95												
KKM	96	100%	p	30	10	interlux ultra		3779f			shelter island	12	2018
KKM	97	50%	S	29	10	NA		NA	LOW COPPER	NA	SHELTER ISLAND	5	2010
KKM	98	100%	s	27	8	zspar bottom pro blue	60061-64				driscoll	2	2020

Facility	Slip	% Year Occupying Slip	Power or Sail (P or S)	Vessel Length	Vessel Beam	Paint Brand Name	EPA REGISTRATION #	Product #	Paint Type (Copper, Low, NON, UNK)	% Copper	Boatyard Where Paint Was Applied	Month Painted	Year Painted
KKM	99	90%	S	30	9	INTERLUX ULTRAKOTE		NA	UNK	NA	KOEHLER KRAFT	3	2016
KKM	100	100%	S	30	11	NA		NA	NON	0%	SHELTER ISLAND BOATYARD	1	2017
KKM	101												
KKM	102	100%	p	45	14	interlux ultra	2693-212	3779F	na	na	SHELTER ISLAND BOATYARD	6	2018
KKM	103	98%	p	59	18	interlux ultra	na	na	na	na	marine group boat works	5	2019
KKM	104												
KKM	105	100%	S	53	14	Interlux Micron CSC	2693-190	Y5582	NA	NA	Shelter Island Boatyard	6	2017
KKM	106	88%	P	35	13	INTERLUX ULTRAKOTE	2693-119-ZD	117598	COPPER	76%	SHELTER ISLAND BOATYARD	9	2017
KKM	107												
KKM	108												
KKM	109												
KKM	110												
KKM	111												
KKM	112												
KKM	113	80%	p	60	19	INTERLUX ULTRA	2693-212	3779F	NA	NA	SHELTER ISLAND BOATYARD	9	2020
KKM	114												
KKM	115	99	p	55	15	Interlux blue micorn extra antifouling paint	Model #P004 121 001 029 MFG#Y5692/QT	na	na	na	Shelter ISLAND BOAT YARD	5	2021
KKM	116	90%	S	42	14	INTERLUX ULTRA	2693-212-AA	3669F	copper	65%	SHELTER ISLAND BOAT YARD	7	2015
KKM	117												
KKM	118	95%	p	38	10	z spar	60061-49				SELF APPLIED	11	2017
KKM	119	100%	P	50	16.8	interlux ultra	12344	12344	UNK	NA	shelter island	6	2019
KKM	120												
KKM	121												
KKM	122												
KKM	123	90%	p	50	16.5	Pettit Trinidad HD	60061-64	1871	na	na	Safe Harbor Shelter Island	1	2022
KKM	124	100%	p	42	15	prettit	60061-135	1261g	NA	NA	shelter island	8	2019
KKM	125												
KKM	126	100%	p	35	13	Petit Trinidad HD	60061-49	1275	na	na	Shelter Island Boat Yard	7	2021
KKM	127	100%	p	56	15.4	Interlux	YBA473						
KKM	128												
KKM	129												
KKM	130												
KKM	131												
KKM	132												
KKM	133												
KKM	134	100%	p	28	9.5	Pettit trinidad	60061-64	1871	NA	NA	shelter island	2	2020
KKM	135												
KKM	136	25%	P	33	12	NA		NA	UNK	NA	Shelter Island Boatyard	10	2013
KKM	137	50%	p	61	18.7	sea hawk cukote	na	3400	na	na	cable marine	9	2019
KKM	138	95%	P	38	14	INTERLUX CSC	2693-132-ZV	319293	LOW COPPER	37%	Shelter Island Boatyard	5	2015
KKM	139	100%	P	57	15	Trinidad HD	60061-64	1871	na	NA	Safe Harbor Shelter Island Boat Yard	10	2022
KKM	140	100%	s	43.5	14.3								
KKM	141	70%	P	59	15	INTERLUX ULTRA	2693-212-AA	3779F	LOW COPPER	NA	SHELTER ISLAND BOAT YARD	2	2011
KKM	142	100%	s	42	13	ZSPAR Bottom Pro Gold	60061-94-ZE	411187706				3	2017
KKM	143												
KKM	144												
KKM	145	80%	P	38	13	Interlux Ultra	2693-212	3669F	UNK	NA	shelter island boatyard	7	2018
KKM	146												
KKM	147	50	p	50	16'8"	Trinidad HD	60061-64	1271	na	na	Safe Harbor	4	2022

Facility	Slip	% Year Occupying Slip	Power or Sail (P or S)	Vessel Length	Vessel Beam	Paint Brand Name	EPA REGISTRATION #	Product #	Paint Type (Copper, Low, NON, UNK)	% Copper	Boatyard Where Paint Was Applied	Month Painted	Year Painted
KKM	148												
KKM	149	100%	p	53	16	Petit Trinidad HD	60061-64	1871	na	na	Shelter Island Boatyard	9	2020
KKM	150	65%	p										
KKM	151												
KKM	152	90%	S	40	12	NA		NA	UNK	NA	NA	NA	NA
KKM	153	95%	P	42.9	14.5	NA	593-4301-G	NA	LOW	NA	Neilsen Boatyard	11	2016
KKM	154	60%	S	40	14	NA		NA	UNK	NA	NA	NA	NA
KKM	155												
KKM	156												
KKM	157	100%	P	43	15	bluewater	74681-2				NA	12	2017
KKM	158	100%	S	43	15	Petit Trinidad	na	1271	NA	NA	shelter island	5	2020
KKM	159	100%	P	42	15	unk	Unknown	na	unk	NA	Shelter Island Boatyard	3	2016
KKM	160	100%	s	44	13								
KKM	161												
KKM	162	80%	p	43	12	pettit vivid black	60061-116				sunsdance xacxcts	2	2021
KKM	163	40%	S	44	12.8	NA		NA	UNK	NA	KNIGHT AND CARVER	6	2012
KKM	164	85%	S	41	13	petit trinidad	60061-87				SHELTER ISLAND	3	2017
KKM	165												
KKM	166	100%	p	42	13.1	pettit trinidad	60061-64				shelter island	8	2019
KKM	167	100%	p	43	15.1	pettit trinidad	60061-64	na	na	na	shelter island	2	2021
KKM	168	90%	p	40	14	trinidad hd	na	na	na	na	Safe Harbor	3	2022
KKM	169	95%	P	43	16	NA		NA	copper	60%	south coast boat yard	6	2014
KKM	170												
KKM	171												
KKM	172												
KKM	173	NA	S	52	16	NA	NA	3449	LCU LOW COPPER <40%	NA	Shelter Island Boatyard		
KKM	174												
KKM	175	100%	p	36	13	interlus ultra		94-3779f			shelter island	3	2018
KKM	176												
KKM	177												
KKM	178												
KKM	179												
KKM	180												
KKM	181	80%	S	44	14	interlux ultra blue		3669f	copper	NA	Shelter Island Boatyard	12	2017
KKM	182												
KKM	183												
KKM	184	99%	p	36	13	pettit trinidad	60061-64	1871	unk	unk	Safe harbor Shelter Island	7	2022
KKM	185												
KKM	186												
KKM	187	100%	s	42	12'3"	Z Spar Bottom Pro Gold	60061-117	na	na	na	Driscolls	9	2020
KKM	188												
KKM	189	90%	P	50	17	INTERLUX ULTRA		NA	COPPER	55%	SHELTER ISLAND	4	2014
KKM	190												
KKM	191												
KKM	192												
KKM	193												
KKM	194												
KKM	195												
KKM	196	90%	P	58	16	NA		4nk	UNK	40%	SHELTER ISLAND BOAT YARD	3	2014

Facility	Slip	% Year Occupying Slip	Power or Sail (P or S)	Vessel Length	Vessel Beam	Paint Brand Name	EPA REGISTRATION #	Product #	Paint Type (Copper, Low, NON, UNK)	% Copper	Boatyard Where Paint Was Applied	Month Painted	Year Painted
KKM	197												
KKM	198	100%	p	72	20	Pettit trinidad pro		1871			shelter island		
KKM	199												
KKM	200	90%	P	57	14.5	INTERLUX			LOW	40%	Driscoll MB	3	2010
KKM	201												
KKM	202	100%	P	52'6	17'6	International 262 Red Oxide					Delta marine Seattle	NA	2020
KKM	203	90%	P	90	21	SHARKSKIN		NA	COPPER	NA	NA	1	2013
KKM	204	90%	p	54	16	Interlux Ultra Black	FDA-2693-TX-1	Y3779F	UNK	NA	Basin Marine, Newport	4	2022
KKM	205												
KKM	206	100%	p	57	17	interlux	11759g				shelter island boatyard	10	2018
KKM	207	90%	P	56	15	INTRULUX PACIFICA		yba163	LOW	40%	SHELTER ISLAND BOAT YARD	3	2016
KKM	208	100	p	57	18	Pettit Trinidad	60061-64	1871	na	na	Shelter Island Boat Yard	11	2019
KKM	209												
KKM	210	100%	p	64	na	Pettit Trinidad HD	na	na	na	na	Shelter Island	6	2020
KKM	211												
KKM	212												
KKM	213												
KKM	214												
KKM	215	70%	p	76	21	Petit Trinidad	60061-64	1871	unk	unk	Safe Harbor Shelter Island	3	22
KKM	216	100%	P	65	17	Interlux Micron 66 Antifowling		YBA473	UNK	NA	Shelter Island Boatyard	8	2016
KKM	217												
KKM	218	95%	P	60	18	PETTITT TRINIDAD SR		NA	LOW	65%	Shelter Island Boatyard	12	2013
KKM	219												
KKM	220	100%	P	59	16	PETTIT		1661g	LOW	NA	Shelter Island Boatyard	7	2011
KKM	221												
KKM	222												
KKM	223	b	P	95	23	zspar gold	60061-94-ze	41127706			Driscoll Boat Works	2	2020
KKM	224	90%	P	65	18.6	Interlux Ultra Black	2693-144	3779F			Shelter Island Boat Yard	1	2019
KKM	225								UNK	NA	NA	NA	NA
KKM	226	90%	P	57	15.6	ppg abc antifoul	7313-18	ABC3	UNK	NA	canal boat yard	6	2017
KKM	227	90%	p	74	18	petit sr 40 premium	60061-94	sr 40 premium			apex marine pampano		
KKM	228												
KKM	229												
KKM	230	75%	P	58	16	NA		NA	LOW	40%	SHELTER ISLAND BOAT YARD	2	2010
KKM	231												
KKM	232	90%	P	42	14	NA		NA	UNK	NA	NA	NA	NA
KKM	233												
KKM	234												
KKM	235												
KKM	236												
KKM	237												
KKM	238	100%	P	58	16	interlux ultra		3779f					
KKM	239	10-15%	p	58	16	interlux micron csc	2693-tx-t	5583-4L			delta marina - sydney BC Canada	8	2020
KKM	240	90%	P	48.8	16.8	unk		unk	unk	unk	Shelter Island Boatyard	2	2017
KKM	241												
KKM	242												
KKM	243	80%	P	78	17	ULTRA COTE BLACK	2693-119-ZD	169	COPPER	55%	NEWPORT	2	2014
KKM	244												
KKM	245	90%	P	57	17	NA		NA	UNK	NA	shelter island	5	2016

Facility	Slip	% Year Occupying Slip	Power or Sail (P or S)	Vessel Length	Vessel Beam	Paint Brand Name	EPA REGISTRATION #	Product #	Paint Type (Copper, Low, NON, UNK)	% Copper	Boatyard Where Paint Was Applied	Month Painted	Year Painted
KKM	246	80%	S	52	14	VIVID		72	UNK	NA	Shelter Island Boatyard	5	2012
KKM	247	90%	S	44	9	INTERLUX ULTRAKOTE	2693-119-ZD	3449U	COPPER	76%	Driscoll MB	12	2017
KKM	248	95%	P	52	15.3	INTERLUX ULTRA		3779U	copper	55%	Shelter Island Boatyard	6	2016
KKM	249		P	74	18.2	INTERLUX ULTRA	2693-212-AA	3779F	copper	65%	Shelter Island Boatyard	8	2015
KKM	250	100%	p	45	15								
KKM	251	95%	P	69	18	PROLINE	557-550-ZJ	1088/01	UNK	NA	SHELTER ISLAND BOAT YARD	6	2019
KKM	252	95%	S	47	13	WEST BOTTOM PRO		NA	LOW	40%	Shelter Island Boatyard	1	2015
KKM	253	90%	P	60	17	interlux ultra		y3779f	non Copper	0%	Shelter Island Boatyard	7	2017
KKM	254	45%	S	52	13	NA		NA	UNK	NA	NA	NA	NA
KKM	255	99%	p	68	17	INTERLUX ULTRA	2693-119	y3779f	UNK	NA	MARINE GROUP	6	2019
KKM	256												
KKM	257												
KKM	258	95%	P	43	14	NA		NA	UNK	NA	NA	NA	NA
KKM	259	95%	S	48	11	WEST BOTTOM PRO		NA	UNK	NA	KOEHLER	10	2013
KKM	260												
KKM	261	95%	S	50	13	PETTIT Z-SPAR	60061-49-ZH	B94	UNK	60%	Shelter Island Boatyard	12	2012
KKM	262	90%	S	39	12	NA		NA	UNK	NA	NA	NA	NA
KKM	263	100%	s	31	10	PETTIT	60061-116-AA	1261	LOW	NA	Shelter Island Boatyard	4	2005
KKM	264	90%	p	45	16	pettit trinidad HD	60061-64	NA	UNK	UNK	Shelter Island Boatyard	2	2021
KKM	265	100%	p	26.11	8	interlux ultra	2693-212	3669f	UNK	NA	shelter island	5	2019
KKM	266												
KKM	267	90%	S	27	10	pettit trinidad Ho	60061-64	1871	UNK	NA	NA	NA	NA
KKM	268	85%	P	42	15	pettit trinidad	60061-64	NA	LOW	NA	NA	6	2002
KKM	269	90%	P	33	9	interlux ultra	NA	NA	UNK	UNK		6	2021
KKM	270												
KKM	271	100%	p	26	8.9								
KKM	272												
KKM	273	80%	S	32	11.2	INTERLUX ULTRA		NA	UNK	NA	SHELTER ISLAND BOAT YARD	1	2014
KKM	274	95%	P	45	15	NA		NA	LOW	NA	NA	NA	NA
KKM	275												
KKM	276												
KKM	277	100%	p	31	10.6	interlux	2693-193	ybe179			brandford marina	6	2021
KKM	278												
KKM	279	95%	P	29	11	PETTIT	60061-64				shelter island	7	2021
KKM	280												
KKM	281	99%	p	23'7"	7'4"	Pettit Trinidad	60061-49	n/a	n/a	n/a	Safe Harbor Boat Yard	6	2022
KKM	282	na	p	46	13	Pettit Trinidad HD	60061-64	1871	na	na	Shelter Island Boat Yard	8	
KKM	283	95%											
KKM	284												
KKM	285												
KKM	286												
KKM	287												
KKM	288												
KKM	289												
KKM	290												
KKM	291												
KKM	292	45%	S	42	14	NA		NA	UNK	NA	NA	NA	NA
KKM	293												
KKM	294	15%	P	45	16	NA		NA	UNK	NA	NA	NA	NA

Facility	Slip	% Year Occupying Slip	Power or Sail (P or S)	Vessel Length	Vessel Beam	Paint Brand Name	EPA REGISTRATION #	Product #	Paint Type (Copper, Low, NON, UNK)	% Copper	Boatyard Where Paint Was Applied	Month Painted	Year Painted
KKM	295	100%	p	17	6.2		2693-212				SELF APPLIED	10	2018
KKM	296	98%	S	35	11	Interlux		NA	LOW	65%	Driscoll MB	10	2010
KKM	297	95%	P	41.3	15	interlux	1282999	3669f	UNK	NA	NA	11	2017
KKM	298	80%	P	38	13	SEAHAWK	44891-11-AA	6145	copper	45%	Neilsen Beaumont	9	2006
KKM	299												
KKM	300	95%	p	45.2	14.6	sea hawk	44891-12-aa	af-33			Pacific Marine Center	2	2018
KKM	301												
KKM	302	85%	P	44	13.5	NA		NA	LOW	NA	NA	9	2004
KKM	303												
KKM	304												
KKM	305												
KKM	306												
KKM	307	90%	P	32	11	ULTRAKOTE		NA	UNK	NA	NA	6	2016
KKM	308	100%	s	46	12								
KKM	309	100%	P	29	10.4	INTERLUX ULTRA		37794			Shelter Island Boatyard	3	2016
KKM	310	35%	P	43	14	PETTIT TRINIDAD		NA	LOW	NA	Shelter Island Boatyard	7	2011
KKM	311	90%	p	18	6	WM-Bottomshield antifouling		17144973			sunset marina	4	2021
KKM	312												
KKM	313	100%	P	29	10	No Bottom Paint		NA	NON	0%	NA	NA	NA
KKM	314	95%	P	42	14	Interlux ULTRAKOTE		NA	lOW	NA	Shelter Island Boatyard	5	2016
KKM	315	45%	S	30	10	NA		NA	UNK	NA	NA	NA	NA
KKM	316	100%	p	45	15.9								
KKM	317												
KKM	318	25%	P	47	12	NA		NA	UNK	NA	NA	NA	NA
KKM	319	100%	p	26	8								
KKM	320	90%	s	44.5	14	NA		NA	non Copper	0%	NA	10	17
KKM	321	30%	S	35	11	NA		NA	UNK	NA	NA	NA	NA
KKM	322	95%	P	45	10	Pettit Trinidad Pro			LOW	40%	SHELTER ISLAND	3	2016
KKM	323												
KKM	324												
KKM	325												
KKM	326	100%	s	47	12.4								
KKM	327	100%	s	30	11								
KKM	328	100%	p	43	15.2								
KKM	329	75%	S	30	12	NA		NA	UNK	NA	NA	NA	NA
KKM	330												
KKM	331	100%	s	36	13	Bottom Pro Gold	60061-117-zd				BASIN MARINE	1	2014
KKM	332	100%	P	45	14	interlux ultra		3779f				1	2019
KKM	333												
KKM	334	100%	p	42	14.9	interlux ultra		3669F	UNK	NA	Shelter Island Boatyard	1	18
KKM	335												
KKM	336												
KKM	337												
KKM	338	100%	p	42	14								
KKM	339												
KKM	340	95%	p	46	15.5	Trinidad Pro Red	1108600	1086	UNK	NA	Bay Marine	2	2019
KKM	341	100%	P	25		kod - coating	60061-nj-2	60061-87				6	2019
KKM	342												
KKM	343												

Facility	Slip	% Year Occupying Slip	Power or Sail (P or S)	Vessel Length	Vessel Beam	Paint Brand Name	EPA REGISTRATION #	Product #	Paint Type (Copper, Low, NON, UNK)	% Copper	Boatyard Where Paint Was Applied	Month Painted	Year Painted
KKM	344	50	p	26	8	Vivid Anti Fouling Paint	60061-NJ-2	na	na	na	Flores Boat Yard Santa Ana	5	22
KKM	345												
KKM	346												
KKM	347												
KKM	348	100%	S	35	19	INTERSLEEK 900		NA	NON	NA	DRISCOLL	NA	2009
KKM	349												
KKM	350	98%	P	45	14	NA		NA	UNK	NA	HALES MARINE	6	2016
KKM	351	100%	p	41	14.3	interlux uld	2693212				driscolls		2020
KKM	352												
KKM	353												
KKM	354												
KKM	355	100%	S	40	12.6	INTRULUX ULTRA	2693-212-AA	3779F	copper	NA	NA	NA	NA
KKM	356												
KKM	357												
KKM	358												
KKM	359	100%	p	40.7	10.3	Zspar Bottom pro gold black	60061-94-2E	411187706	UNK	NA	driscoll boat yard	9	2019
KKM	360												
KKM	361	40%	S	39	12	NA		NA	LOW	NA	DRISCOLL	10	2010
KKM	362	vacant											
KKM	363												
KKM	364												
KKM	365	95%	p	34	14.3	petite	4564	6546			chaneel islands	2	2017
KKM	366												
KKM	367	100%	S	42	13	PROLINE	577-550-ZE	1088	COPPER	66%	SHELTER ISLAND	6	2017
KKM	368	90%	P	39	13	interlux ultra black		NA	copper	NA	shelter island boatyard	11	2015
KKM	369	85%	P	33	13	INTRULUX ULTRA	2693-212-AA	3779F	COPPER	NA	shelter island boatyard	11	2017
KKM	370	70%	P	39	14	INTERLUX ULTRA		NA	LOW	67%	Neilsen Beaumont	7	2012
KKM	371	90%	P	38	13	NA		NA	UNK	NA	NA	NA	NA
KKM	372												
KKM	373	100%	P	39	13	NA		NA	LOW	NA	NA	10	2009
KKM	374	99%	p	45.6	15.5	zspar bottom pro gold blue	60061-94-ze	41127706			Driscoll	2	2019
KKM	375												
KKM	376												
KKM	377	95%	P	35	12	interlux ultra		3669f	LOW	NA	NA	6	2017
KKM	378	90%	P	44	15	Proline	577-550	1088-01	copper	65%	Shelter Island Boatyard	5	2012
KKM	379												
KKM	380	100%	P	47.3	15.1	zspar	60061-94-ze	411187706			driscoll	8	2018
KKM	381												
KKM	382	35%	S	43	14	NA		NA	UNK	NA	NA	NA	NA
KKM	383	100%	p	36	13	interlux	3559F	6	LOW	NA	SHELTER ISLAND BOATYARD	9	2009
KKM	384												
KKM	385	85%	P	37	12	NA		NA	UNK	NA	SHELTER ISLAND BOATYARD	3	2014
KKM	386	100%	S	48	15	interlux ultrakote	2693-119-ZD	168	LOW	67%	Shelter Island Boatyard	8	2017
KKM	387	88%%	p	38	14								
KKM	388	85%	P	42	14.3	pettit trinidad	60061-64	1871			siby	10	2020
KKM	389	90%	S	38	11	NA		NA	UNK	NA	NA	NA	NA
KKM	390	100%	p	45	14		2693212	3779f			driscoll	3	2018
KKM	391												
KKM	392	100%	p	50	14.2	interlux ultra black	2693-212	3779f			shelter island boatyard	1	2019

Facility	Slip	% Year Occupying Slip	Power or Sail (P or S)	Vessel Length	Vessel Beam	Paint Brand Name	EPA REGISTRATION #	Product #	Paint Type (Copper, Low, NON, UNK)	% Copper	Boatyard Where Paint Was Applied	Month Painted	Year Painted
KKM	393												
KKM	394												
KKM	395	100	p	37	10	interlux micron	2693-190	55830	na	na	shelter island boatyard	1	2021
KKM	396												
KKM	397												
KKM	398	85%	P	40	13.5	INTERLUX	2693-192-ZB	3669	copper	55%	NA	6	2012
KKM	399												
KKM	400	90%	P	40	16	PETTIT ULTIMA SSA		NA	LOW	NA	BASIN MARINE	4	2013
KKM	401												
KKM	402	100%	s	39	12.8	interlux ultra		3669F	UNK	NA	Shelter Island Boatyard	5	2019
KKM	403	90%	S	37	18	NA		NA	UNK	NA	NA	NA	NA
KKM	404	90%	P	38	13	NA		NA	UNK	NA	NA	NA	NA
KKM	405												
KKM	406	98%	P	36	13	NA		NA	UNK	NA	Shelter Island Boatyard	NA	NA
KKM	407	95%	S	36	12	EPOXY COPPERCOAT		NA	copper	NA	NA	6	2014
KKM	408	40%	P	37	14	NA		NA	UNK	NA	NA	NA	NA
KKM	409	85%	S	38	12	ZSPAR B94	60061-49-ZH	165	LOW	65%	self applied	1	2007
KKM	410	95%	S	38	11	Awlgrip SR			unk	unk	Shelter Island Boatyard	13	2016
KKM	411												
KKM	412	20%	S	36.8	11.6	interlux ultracoat light		na	copper	55%	SHELTER ISLAND BOAT YARD	4	2017
KKM	413												
KKM	414												
KKM	415	25%	S	36	11	NA		NA	UNK	NA	NA	NA	NA
KKM	416												
KKM	417												
KKM	418												
KKM	419	85%	P	32	11	NA		NA	UNK	NA	NA	NA	NA
KKM	420	100%	S	37	11	NA		NA	UNK	NA	NA	NA	NA
KKM	421	90%	P	36	13	INTERSLEEK 900 BLACK		NA	UNK	NA	Shelter island	5	2013
KKM	422												
KKM	423												
KKM	424	90%	S	40	11	NA		NA	LOW	NA	Shelter Island Boatyard	12	2007
KKM	425	98%	S	42	13	INTERLUX ULTRA		NA	LOW	67%	Shelter Island Boatyard	6	2010
KKM	426	15%	S	36	11	Interlux Ultrakote		3669U	UNK	NA	Shelter Island Boatyard	11	2015
KKM	427	100%	s	36	12								
KKM	428	95%	S	35	11	NA		NA	UNK	NA	NA	NA	NA
KKM	429	90%	p	36	14	interlux ultra blue		y3669f/1	LOW	40%	Shelter Island Boatyard	9	2018
KKM	430	100%	p	41	14	INTERLUX		YBA473	UNK	NA	West Marine	1	2018
KKM	431												
KKM	432	100%											
KKM	433												
KKM	434	90%	P	43	10	NA		NA	UNK	NA	NA	NA	NA
KKM	435												
KKM	436	100%	p	47	14	interlux ultrakote					siby	8	2018
KKM	437	60%	s	43	12	INTERLUX BOTTOM KOTE		NA	UNK	NA	self applied	5	2013
KKM	438	95%	P	47.2	14.3	interlux micron 66	yba473/1				SHELTER ISLAND	11	2018
KKM	439	100%	p	46	15								
KKM	440												
KKM	441	93%	P	25	9	NA		NA	UNK	NA	NA	NA	NA

Facility	Slip	% Year Occupying Slip	Power or Sail (P or S)	Vessel Length	Vessel Beam	Paint Brand Name	EPA REGISTRATION #	Product #	Paint Type (Copper, Low, NON, UNK)	% Copper	Boatyard Where Paint Was Applied	Month Painted	Year Painted
KKM	442	93%	P	43	16	Proline 1088	577-550-ZE	168	LOW	40%	Shelter Island Boatyard	11	2011
KKM	443	65%	P	48	16	NA		NA	UNK	NA	NA	NA	NA
KKM	444	100%	P	46	16	zspar	60061-94-28	41187706	UNK	NA	driscoll	3	2018
KKM	445	100%	p	43	12								
KKM	446	90%	P	48	15	NA		NA	LOW	NA	NA	NOV	2005
KKM	447	85%	P	44	15	PROLINE 1088-6		NA	LOW	NA	NA	3	2006
KKM	448	75%	P	48	16	NA		NA	UNK	NA	NA	NA	NA
KKM	449	95%	S	46	12.9	INTRULUX ULTRA	2693-211	3779f	UNK	NA	SHELTER ISLAND BOATYARD	JAN	2017
KKM	450												
KKM	451												
KKM	452												
KKM	453												
KKM	454	88%	P	43	15'10"	PROLINE LOLO	577-550-ZE	1088	LOW	NA	SHELTER ISLAND BOATYARD	7	2013
KKM	455												
KKM	456	92%	P	39	14	PROIINE 1088-6		NA	LOW	NA	Shelter Island Boatyard	10	2010
KKM	457	90%	S	34	12	2000E EPOXY PRIMER WH		164	LOW	65%	Driscoll MB	5	2011
KKM	458	100%											
KKM	459	100%	p	35	14	trinidad hd	1871				safe harbor SI	11	2021
KKM	460												
KKM	461												
KKM	462												
KKM	463	60%	P	27	9	interlux ultra kote		3779u				3	2015
KKM	464	80%	P	46	14	trinidad		blue			shelter island boat yard	12	2019
KKM	465	100%	p	33	12.5	Interlux Ultra Blue	2692-TX-1	3669	n/a	n/a	Basin Marine	7	2019
KKM	466	100%	p	50	16.9	pettit		1871			shelter island	9	2019
KKM	467	65%	S	35	12	NA		NA	UNK	NA	NA	NA	NA
KKM	468												
KKM	469												
KKM	470												
KKM	471	100%	P	35	13	proline		1051	UNK	NA	marine group	10	2018
KKM	472	95%	P	47	14	NA		NA	UNK	NA	NA	NA	NA
KKM	473	90%	P	32	12	NA		NA	UNK	NA	NA	NA	NA
KKM	474												
KKM	475	90%%	p	36	13	pettit	60061-49					5	2021
KKM	476	80%	P	49	15	INTERLUX KL-6		NA	LOW	NA	Shelter Island Boatyard	3	2007
KKM	477	50%	S	34	12	NA		NA	UNK	NA	NA	NA	NA
KKM	478	95%	P	47	15	Z Spar	60061-50	NA	UNK	NA	DRISCOLLS	1	2018
KKM	479												
KKM	480												
KKM	481												
KKM	482												
KKM	483	40%	S	41	14	VC PERF		NA	NON	NA	SHELTER ISLAND BOAT YARD	11	2013
KKM	484	98%	S	50	16	MISSION BAY BLUE		4002	LOW	NA	DRISCOLL	9	2007
KKM	485												
KKM	486	35%	S	36	11	trinidad		NA	UNK	NA	shelter island	11	2020
KKM	487						60061-64						
KKM	488	95%	P	43	15	Z Spar Gold		164	LOW	40%	Driscoll MB	2	2012
KKM	489	85%	S	50	13	Interlux Micro		NA	UNK	NA	Shelter Island Boatyard	3	2014
KKM	490	100%	p	43	10								

Facility	Slip	% Year Occupying Slip	Power or Sail (P or S)	Vessel Length	Vessel Beam	Paint Brand Name	EPA REGISTRATION #	Product #	Paint Type (Copper, Low, NON, UNK)	% Copper	Boatyard Where Paint Was Applied	Month Painted	Year Painted
KKM	491												
KKM	492	45%	P	47	15	NA		NA	UNK	NA	NA	NA	NA
KKM	493												
KKM	494	100%	p	43	15								
KKM	495	95%	p	44	15	interlux	2693-132	y4258			siby	7	2017
KKM	496	100%	P	50	17	NA		NA	NON	NA	SHELTER ISLAND	4	2015
KKM	497	100%	P	48	16	Interlux Micron 66 Antifowling	n/a	YBA473	UNK	NA	Marine Group Los Labos	7	2018
KKM	498	100%	p	47	14	Proline #1088	n/a	1088	NON	NA	SHELTER ISLAND	8	2019
KKM	499												
KKM	500	80%	S	50	13	NA	1217039	NA	CU Copper	NA	NA	12	2016
KKM	501	100%	p	44	14								
KKM	502												
KKM	503												
KKM	504	100%	P	44	13	NA		NA	UNK	NA	SHELTER ISLAND BOAT YARD	11	2013
KKM	505												
KKM	506	90%	P	50	17	petite trinidad		1871	blue	NA	SHELTER ISLAND BOAT YARD	1	21
KKM	507	100%	P	45	15	Interlux Ultra		3669F			Shelter Island Boatyard	6	2019
KKM	508	98%	P	44	16	Woolsey Defense CA	60061- 49-ZO	4501G	COPPER	45%	Neilsen Beaumont	4	2016
KKM	509	25%	P	41	14	NA		NA	UNK	NA	NA	NA	NA
KKM	510												
KKM	511	60%	S	78	17	PETTIT TRINIDAD PRO		1082	copper	67%	DRISCOLLS	1	2018
KKM	512												
KKM	513	88%	P	140	25	SEA HAWK SHARKSKIN		NA	Combo	0%	Marine Group	10	2015
KKM	514	40%	p	87	22		22165	11251			Seminole Marine	6	2019
KKM	515	100%	p	150	27.8								
KKM	516	45%	P	142	25	NA		NA	UNK	NA	NA	NA	NA
KKM	517												
KKM	518	95%	P	58	18	Interlux Ultra		160	LOW	65%	Shelter Island Boatyard	5	2010
KKM	519	80%	P	97.6	24.5	TRILUX	2693-226-AA	33	UNK	UKN	Marine Group	10	2016
KKM	520												
KKM	521												
KKM	522	100%	p	61	18.6	pettit trinidad pro	60061-64	1871			Shelter Island Boatyard	6	2019
KKM	523												
KKM	524												
KKM	525												
KKM	526												
KKM	527												

Facility	Slip/Mooring Reference Number	Percent of Time Occupied	Vessel Type (Power or Sail)	Vessel Length	Vessel Beam	Paint Type Copper, Low or Non	Paint Product Name	Product Number	Boatyard Name or Purchase Date	Painting Date Month (mm)	Painting Date Year (yyyy)	% Copper	Category 1 reg #
SDYC	1001	100	Power	17	7	Low Copper	Interlux Aqua	YBA579	Driscoll	Aug	2019	35	
SDYC	1002	94	sail	22	9	Low Copper	Interlux	Y3779F	Shelter Island Boatyard	Feb	2016	67	2693-212-AA
SDYC	1005	94	Sail	52	15.4	Low Copper	Pettit Ultima	1038	Driscolls	Apr	2016	60	
SDYC	1010	30	Power	30	7	Low Copper	Proline 1088-6	A1088G	Shelter Island Boatyard	Nov	2016	67	60061-94-ZB
SDYC	1012	97	Sail	47	14.8	Low Copper	Proline 1088-6	A1088G	Shelter Island Boatyard	Jul	2020	60	60061-94-ZB
SDYC	1012	97	Power	42	14	Low Copper	Interlux Aqua	YBA579	Driscoll	Jan	2021	35	
SDYC	1015	98	Power	59	16	Low Copper	Pettit Trinidad Black	A1088G	Shelter Island Boatyard	Jun	2020	60	60061-94-ZB
SDYC	1016	96	Power	65	18	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Mar	2020	55	2693-212-AA
SDYC	1018	100	Sail	46.3	13.8	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Mar	2017	55	2693-212-AA
SDYC	1019	99	Power	23.5	8.5	Low Copper	Interlux Black	Y3779F	Puerto Escondido, Mexico	Aug	2017	55	2693-212-AA
SDYC	1019	73	Power	20	8	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Jan	2019	55	2693-212-AA
SDYC	1020	94	Power	42	15	Non Copper	Intersleek 9000	FXA979/A	Shelter Island Boatyard	Jun	2019	0	
SDYC	1022	98	Power	34	11	Low Copper	Seahawk Biocop	1205-1	Applied in WA state	July	2020	38	
SDYC	1025	82	Power	42	12	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Apr	2018	55	2693-212-AA
SDYC	1026	100	Power	30	11	Low Copper	Micron Extra-2	5690	Driscoll	Jan	2018	35	
SDYC	1026	96	Sail	25	9	Low Copper	Pettit Ultima	1282	Shelter Island Boatyard	Jan	2021	37.5	60061-71-ZA
SDYC	1027	86	Power	30	11	Low Copper	Pettit Trinidad	1281	Shelter Island Boatyard	Feb	2021	37.5	60061-71-ZA
SDYC	1027	88	Power	33	11.3	Low Copper	Proline 1088-6	A1088G	Driscoll	Dec	2013	60	60061-94-ZB
SDYC	1027	98	Power	28	12	Low Copper	Pettit Ultima	1282	Other	Mar	2018	65	60061-71-ZA
SDYC	1028		Sail	42	14	Copper						65	
SDYC	1028	100	Power	48	15.2	Low Copper	Interlux Bottomkote	10397	Driscoll	Sep	2021	42.75	
SDYC	1030	95	Power	50	15	Low Copper	Interlux Calif Bottomkote-7	YBA143	Outside SD County	Oct	2018	35	
SDYC	1035	100	Sail	37	12	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Oct	2017	55	2693-212-AA
SDYC	1038	100	Power	36	13	Low Copper	Trinidad Pro-7	3345	Shelter Island Boatyard	Oct	2019	33	44891-12-AA
SDYC	1041	0	Power	33	11.7	Low Copper	Pettit Trinidad Black	A1088G	Shelter Island Boatyard	Nov	2020	55	60061-94-ZB
SDYC	1043	77	Power	26		Low Copper	ABC 3-2	ABC3-92	Outside SD County	Feb	2010	48	
SDYC	1045	93	Power	63.5	16.6	Low Copper	Interlux Ultra	Y3779F	Driscoll	Mar	2017	55	2693-212-AA
SDYC	1047	65	Sail	41	13.9	Low Copper	Vivid	1048	Koehler	Mar	2022	33.26	
SDYC	1048	94	Sail	31.1	6	Low Copper	Pettit Vivid Blue	1861	Driscoll	Nov	2017	55	60061-116-AA
SDYC	1049	100	Power	43	14	Low Copper	Sea Hawk	3345	Cabrillo Boat Shop	June	2020	33	44891-12-AA
SDYC	1052	99	Power	24	9	Low Copper	Proline 1088-6	A1088G	Shelter Island Boatyard	Nov	2018	60	60061-94-ZB
SDYC	1053	98	Sail	30	9.6	Low Copper	Hard Coat Expox Primer - No Anti-Fouling Paint	V127/A	Driscoll	Oct	2016	0	
SDYC	1054	98	Sail	45	13	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Jun	2021	55	2693-212-AA
SDYC	1058	99	Power	45.9	12	Low Copper	Interlux Ultra Kote	Y3449U	Shelter Island Boatyard	Mar	2016	57	
SDYC	1061	94	Sail	50	11	Low Copper	Interlux Ultra	Y3779F	Koehler	Nov	2018	55	2693-212-AA
SDYC	1063	99	Sail	44.2	13	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Nov	2018	67	2693-212-AA
SDYC	1064	96	Sail	48	13	Low Copper	Interlux Ultra Black	Y3779F	Koehler	Aug	2021	55	2693-212-AA
SDYC	1064	95	Sail	32	7	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Jun	2019	55	2693-212-AA
SDYC	1065	94	Sail	48	12	Low Copper	Zspar Bottom Pro Blue	411187706	Driscoll	Oct	2021	65	60061-94-ZE
SDYC	1066	98		32.5	11.75	Low Copper	Pettit Trinidad	Y3779F	Shelter Island Boatyard	Dec	2020	55	2693-212-AA
SDYC	1068	90	Power	37	11.8	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Aug	2020	55	2693-212-AA
SDYC	1069	100	Power	23	9	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Jul	2016	17	
SDYC	1071	100	Sail	46	14.7	Low Copper	Nautical Progaurd Ablative Blue		Nielsen Beaumont	Jun	2019	41.97	
SDYC	1073	97	Power	28	10	Low Copper	Pettit Single Season	1281	Shelter Island Boatyard	Mar	2020	37.5	60061-71-ZA
SDYC	1074	100	Power	31	10	Low Copper	Awlstar	BP531	Driscoll	Jun	2021	33.4	
SDYC	1075	95	Sail	40	9	Low Copper	Pettit Z-Spar Protector	B-94	Driscoll	Mar	2015	65	
SDYC	1076												
SDYC	1077		Sail	47	26	Low Copper	SeaHawk	3345	Outside SD County	Jan	2020		44891-12-AA
SDYC	1078	99	Power	35.7	12.6	Low Copper	Trinidad Black	A1877G	Shelter Island Boatyard	May	2016	60	60061-94-ZD
SDYC	1080	99	Sail	27	9	Low Copper	Interlux Ultra	Y3779F	Driscoll Mission Bay	Jul	2019	55	2693-212-AA
SDYC	1082	94	Power	48	15.1	Low Copper	Proline 1088-6	A1088G	Shelter Island Boatyard	Jan	2016	72	60061-94-ZB

Facility	Slip/Mooring Reference Number	Percent of Time Occupied	Vessel Type (Power or Sail)	Vessel Length	Vessel Beam	Paint Type Copper, Low or Non	Paint Product Name	Product Number	Boatyard Name or Purchase Date	Painting Date Month (mm)	Painting Date Year (yyyy)	% Copper	Category 1 reg #
SDYC	1083	93	Sail	40	13	Non Copper	Intersleek -8	FXA979/A	Shelter Island Boatyard	Mar	2013	0	
SDYC	1084	100	Sail	52	14.8	Low Copper	Proline 1088-6	A1088G	Shelter Island Boatyard	Jul	2005	60	60061-94-ZB
SDYC	1086	99	Sail	33.8	11.58	Low Copper	Interlux	YBA060	Shelter Island Boatyard	Sep	2020	17	2693-203-AA
SDYC	1086	100	Sail	37	12	Low Copper	Purchased June 2019			6	2019	65	
SDYC	1087	97	Sail	59	10	Low Copper	Interlux Ultra	Y3779F	Koehler	Feb	2020	55	2693-212-AA
SDYC	1088	100	Sail	50	10	Low Copper	Pettit Vivid - 3	1861	Driscoll	Dec	2018	25	60061-116-AA
SDYC	1090	100	Power	18	8	Low Copper	Interlux Aqua	YBA579	Other	Nov	2020	35	
SDYC	1090	100	Sail	31	10	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Jun	2015	55	2693-212-AA
SDYC	1091	100	Power	46	15	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	May	2021	55	2693-212-AA
SDYC	1093	99	Power	33	9	Low Copper	Interlux Ultra	Y3779F	Other	May	2019	55	2693-212-AA
SDYC	1094	84	Sail	41.8	12.5	Low Copper	Pettit-Vivid 3	1861	Driscoll	Mar	2018	25	60061-116-AA
SDYC	1096	99	Sail	36	12.5	Low Copper	Ultrakote-6	Y3669U	Shelter Island Boatyard	Feb	2016	57	
SDYC	1099	97	Sail	35	12	Low Copper	Trinidad Pro-7	A1877G	Koehler Craft	Oct	2021	60	60061-94-ZB
SDYC	1101	100	Sail	35	11	Low Copper	Interlux Ultra	Y3779F	Koehler	Oct	2016	55	2693-212-AA
SDYC	1104	100	Power	34	11	Low Copper	Interlux Ultra	Y3779F	Outside SD County	Jul	2016	55	44891-15-AA
SDYC	1106	99	Power	35	10	Low Copper	Purchased Oct 2017			Oct	2017	65	
SDYC	1106	99	Power	25.5	7	Non Copper	No Bottom Paint				N/A	0	
SDYC	1108	93	Power	27	8	Low Copper	Pettit Vivid White	11161	Nielsen Beaumont	Aug	2017	67	60061-116-AA
SDYC	1108	70	Sail	40	12.5	Copper			Purchased July 2020			65	
SDYC	1110	89	Power	33	11	Low Copper	Interlux Ultra	Y3779F	Schock Boats (Manufacturer)	Jan	2020	55	2693-212-AA
SDYC	1111		Sail	38	20	Low Copper	Pettit z-Spar Protector	B-94	Driscoll	Mar	2021	65	60061-49-ZH
SDYC	1111	95	Power	23	8.6	Low Copper	Interlux Ultra	Y3669F	Shelter Island Boatyard	Dec	2018	48	7313-18-ZB
SDYC	1112	100	Power	36	12.5	Low Copper	Nautical Proguard Ablative	NAU993	Nielsen Beaumont	Nov	2016	55	
SDYC	1113	99	Sail	34.1	10	Low Copper	Pettit-Vivid-3	1861	Koehler	May	2015	25	60061-116-AA
SDYC	1114	75	Power	46	14.6	Low Copper	Pettit Trinidad Black	A1088G	Self Applied	Aug	2017	60	60061-94-ZB
SDYC	1116	99	Power	23	8	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Mar	2019	55	2693-212-AA
SDYC	1123	99	Sail	29	9.3	Low Copper	Sharksin-7	6145	Shelter Island Boatyard	Jul	2014	45	44891-11-AA
SDYC	1125	100	Sail	32.6	10.1	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	May	2012	55	2693-212-AA
SDYC	1126	99	Sail	52	14	Low Copper	Interlux Ultra	Y3779F	Driscoll	Jun	2020	55	2693-212-AA
SDYC	1127	100	Power	63	15.8	Low Copper	Interlux Ultra Black	Y3779F	Nielsen Beaumont	Jun	2020	55	44891-12-AA
SDYC	1127	84	Sail	33.1	9.7	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Mar	2013	55	2693-212-AA
SDYC	1129	49	Power	70	19	Low Copper	SeaHawk AF33	3345	Marine Group / South Bay	Feb	2020	33	44891-12-AA
SDYC	1129	100	Sail	50	12	Low Copper	Zspar Bottom Pro Gold	411187706	Driscoll	Feb	2016	65	60061-94-ZE
SDYC	1129	95	Power	34	11	Low Copper	Interlux		Kolher Craft	Oct	2022	65	
SDYC	1129	99	Power	25	9	Low Copper	Interlux	Y3779F	Shelter Island Boatyard	Oct	2019	55	2693-212-AA
SDYC	1132	100	Power	36	12	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Oct	2015	55	2693-212-AA
SDYC	1133	90	Power	38	13	Low Copper	Interlux Calif Bottomkote - 7	YBA143	Outside SD County	Oct	2019	35	2693-18-ZA
SDYC	1135	84	Sail	37	8	Low Copper	Pettit Z-Spar Protector	B-94	Koehler	Jul	2020	65	
SDYC	1137	100	Power	52	15	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Nov	2018	55	2693-212-AA
SDYC	1139	91	Sail	42.5	13.5	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Apr	2018	55	2693-212-AA
SDYC	1139	0	Power	38	10	Low Copper	Seahawk AF33	3345	Driscoll	Jan	2021	33	44891-12-AA
SDYC	1140	100	Sail	37	12	Low Copper	Pettit Trinidad HO	1871	Shelter Island Boatyard	Oct	2019	55	60061-64-ZD
SDYC	1140	98	Sail	39.5	12.6	Low Copper	Ultrakote-6	Y3669U	Shelter Island Boatyard	Oct	2015	57	
SDYC	1140	98	Sail	28	9.3	Low Copper	Pettit Copper-Guard	1042	Shelter Island Boatdyard	Apr	2018	33.26	
SDYC	1140	100	Power	21	8.3	Low Copper	Proguard Ablative Blue	NAU990	Explorer Marine Services	Apr	2018	41.97	
SDYC	1142	99	Power	34	12	Low Copper	Zspar Bottom Pro Blue	411187706	Shelter Island Boatyard	Dec	2019	65	60061-94-ZE
SDYC	1142	100	Sail	30	10	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	July	2020	55	2693-212-AA
SDYC	1145	100	Power	36	12	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Aug	2018	55	2693-212-AA
SDYC	1146	100	Sail	36.4	12	Low Copper	Trinidad VOC	1878	Safe Harbor boat yard	Jul	2022	75.8	
SDYC	1146	95	Power	40	12	Low Copper	Sharkin-7	6145	Shelter Island Boatyard	Mar	2021	45	44891-11-AA
SDYC	1147	98	Power	22	8	Low Copper	Interlux Ultra	Y3779F	Driscoll	Jul	2020	67	2693-212-AA

Facility	Slip/Mooring Reference Number	Percent of Time Occupied	Vessel Type (Power or Sail)	Vessel Length	Vessel Beam	Paint Type Copper, Low or Non	Paint Product Name	Product Number	Boatyard Name or Purchase Date	Painting Date Month (mm)	Painting Date Year (yyyy)	% Copper	Category 1 reg #
SDYC	1147	95	Power	58	16	Low Copper	Interlux Ultra Cote 3779U	Y3779U	Shelter Island Boatyard	Aug	2017	57	
SDYC	1149	96	Power	38.4	13.8	Copper	Interlux Ultrakote Black	2779N	Shelter Island Boatyard	Nov	2021	67	
SDYC	1149	0	Sail	25.5	8	Low Copper	Purchased Aug 2017				2017	60	60061-117-ZA
SDYC	1150	75	Power	59	16	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Nov	2018	55	2693-212-AA
SDYC	1150	100	Sail	36.1	10.1	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Apr	2021	55	2693-212-AA
SDYC	1152	94	Power	31	12	Low Copper	Trinidad SR	A1877G	Shelter Island Boatyard	Jun	2020	60	60061-94-ZD
SDYC	1154	97	Power	36	12.6	Low Copper	Purchased Aug 2016				2016	50	
SDYC	1155	67	Sail	36.4	12.5	Low Copper	Pettit Z-Spar Protector	B-94	Shelter Island Boatyard	Mar	2017	65	
SDYC	1156	98	Sail	42	13.6	Low Copper	Interlux Ultra Black	Y3779F	Shelter Island Boatyard	Apr	2018	55	2693-212-AA
SDYC	1156	95	Sail	42	12	Low Copper	Interlux Bottomkote	10397	Shelter Island Boatyard	Mar	2020	42.75	
SDYC	1157	85	Power	34	12.6	Low Copper	Purchased Jun 2017				2017	55	
SDYC	1158	100	Power	33	9.6	Low Copper	Interlux Ultra	Y3779F	Nielsen Beaumont	Jun	2013	55	2693-212-AA
SDYC	1166	83	Sail	42	10.5	Low Copper	Interlux Ultra Blue	Y3779F	Koehler Kraft	Nov	2019	55	60061-94-ZB
SDYC	1169	93	Sail	38	12	Low Copper	Trinidad-6	A1088G	Shelter Island Boatyard	Jun	2015	60	60061-94-ZB
SDYC	1172	76	Sail	52	14	Low Copper	Trinidad SR	A1877G	Shelter Island Boatyard	May	2018	60	60061-94-ZD
SDYC	1174	95	Sail	28.5	10	Low Copper	Proline 1088	A1088G	Shelter Island Boatyard	Aug	2016	60	60061-94-ZB
SDYC	1175		Sail	49	12	Low Copper	Trinidad Pro-7	A1877G	Shelter Island Boatyard	Feb	2017	60	60061-94-ZD
SDYC	1178	90	Sail	49.5	14.8	Low Copper	Interlux Bottomkote	10397	Shelter Island Boatyard	Apr	2020	67	
SDYC	1179	100	Power	32	11	Low Copper	Purchased Oct 2013			Oct	2013	65	
SDYC	1181	98	Sail	31	10.5	Low Copper	Has not painted since before 2007				2007	65	
SDYC	1182	90	Power	32.4	12.3	Non Copper	Ceramcoat	99M	Shelter Island Boatyard	Jun	2008	0	
SDYC	1182	91	Sail	30	11	Low Copper	West Marine BottomPro Gold	411187706	Shelter Island Boatyard	Jun	2021	65	60061-94-ZE
SDYC	1189	100	Power	32	12	non Copper	Pettit Ultima ECO	1108	Shelter Island Boatyard	Jul	2020	0	
SDYC	1196	100	Sail	30	10	Low Copper	Proline	1088C-02	Shelter Island Boatyard	Jun	2020	55.7	557-551-ZD
SDYC	1197	100	Power	33	11.7	Low Copper	Pettit Trinidad Black	A1088G	Shelter Island Boatyard	Nov	2020	60	60061-94-ZB
SDYC	1197	98	Sail	40	12	Low Copper	Interlux Ultra	Y3779F	Driscoll	Jan	2018	55	2693-212-AA
SDYC	1200	92	Power	33.5	13	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Jun	2020	55	2693-212-AA
SDYC	1202	100	Sail	41	13	Low Copper	Interlux Bottomkote	10397	Driscoll	Oct	2015	67	
SDYC	1203	100	Sail	35	11	Low Copper	Interlux Ultra	Y3779F	Driscoll	Feb	2019	55	2693-212-AA
SDYC	1206	98	Power	22	8	Low Copper	ABC3-2	ABC3-92	SD Boatyard	Oct	2006	48	
SDYC	1207	99	Power	33.6	10.3	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Jun	2021	55	2693-212-AA
SDYC	1208	91	Sail	35	11	Low Copper	Proline 1088-6	A1088G	Shelter Island Boatyard	Jul	2020	60	60061-94-ZB
SDYC	1210	98	Power	31	10	Low Copper	Proline 1088-6	A1088G	Driscoll	Jun	2022	60	60061-94-ZB
SDYC	1211	92	Sail	52	14	Low Copper	Trinidad SR	A1877G	Shelter Island Boatyard	May	2018	60	60061-94-ZD
SDYC	1214	99	Power	38.6	12.3	Low Copper	Interlux Ultra Green	Y3559F	Shelter Island Boatyard	Nov	2017	55	2693-212-AA
SDYC	1218	92	Sail	36	11	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Feb	2017	55	2693-212-AA
SDYC	1220	100	Sail	40.1	12	Low Copper	Trinidad Blue 1271	1271	Shelter Island Boatyard	Nov	2020	55	60061-64-ZD
SDYC	1223	96	Sail	39	12	Low Copper	Interlux Ultra Blue	Y3669F	Driscoll Mission Bay	May	2016	55	2693-212-AA
SDYC	1225	95	Sail	40	12	Non Copper	Sea Speed V 10 X - Clear		Shelter Island Boatyard	Mar	2020	0	
SDYC	1226	100	Power	28	9	Low Copper	Interlux Ultra	Y3779F	Boatyard	Feb	2021	55	2693-212-AA
SDYC	1227	95	Power	37.5	12	Copper						65	
SDYC	1228	90	Power	31	10	Low Copper	Interlux Bottomkote Pro	10397	Shelter Island Boatyard	May	2014	42.75	
SDYC	1230	100	Sail	30	10.8	Low Copper	Pettit Zspar Bottom Pro Gold/Trinidad Pro	411187706	Driscoll	Oct	2017	65	60061-94-ZE
SDYC	1232	98	Sail	32	10	Low Copper	Pettit Z-spar Protector	B-91	Shelter Island Boatyard	May	2012	65	
SDYC	1235	92	Power	48	14	Low Copper	Purchased Mar 2017	A1088G		Mar	2017	67	60061-94-ZB
SDYC	1235	96	Sail	40	12	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	May	2019	55	2693-212-AA
SDYC	1235	94	Power	52.8	15	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Feb	2014	55	2693-212-AA
SDYC	1238	96	Power	39	11	Low Copper	Trinidad Pro-7	A1877G	Shelter Island Boatyard	Oct	2021	60	60061-94-ZD
SDYC	1239	100	Power	42.83	13.12	Copper							
SDYC	1241	91	Power	39	13	Low Copper	Zspar Bottom Pro Gold	411187706	Driscoll Boat Works	Mar	2019	65	60061-94-ZE
SDYC	1242	78	Power	38	11.6	Low Copper	Interlux Ultra	Y3779F	Koehler	Oct	2018	55	2693-212-AA

Facility	Slip/Mooring Reference Number	Percent of Time Occupied	Vessel Type (Power or Sail)	Vessel Length	Vessel Beam	Paint Type Copper, Low or Non	Paint Product Name	Product Number	Boatyard Name or Purchase Date	Painting Date Month (mm)	Painting Date Year (yyyy)	% Copper	Category 1 reg #
SDYC	1244	80	Sail	27	9	Low Copper	Proline 1088-6	A1088G	Shelter Island Boatyard	Jan	2020	60	60061-94-ZB
SDYC	1250	98	Power	42	13	Low Copper	Pettit Trinidad Pro HD	1088	Shelter Island Boatyard	Jun	2019	55	60061-64-ZD
SDYC	1252	94	Power	26.5	8.5	Low Copper	Pettit-Vivid 3	1861	Driscoll	May	2020	25	60061-116-AA
SDYC	1252	98	Power	21	8	Low Copper	Interlux Bottomkote	10397	Knight &Carver	Jun	2019	65	
SDYC	1255	92	Power	73	16.4	Low Copper	Pettit Ultima	B-94	Driscoll	Nov	2018	65	
SDYC	1256	95	Power	40	13	Low Copper	Interlux Ultra	Y3779F	Koehler	June	2022	55	2693-212-AA
SDYC	1256	98		32.8	9.25	Low Copper	Interlux Ultrakote	Y3669U	Shelter Island Boatyard	May	2016	57	
SDYC	1262	86	Power	38	13	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Mar	2016	55	2693-212-AA
SDYC	1266	79	Power	42	13.5	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Apr	2017	55	557-551-ZD
SDYC	1270	100	Sail	35	10	Low Copper	Interlux Ultra	Y3779F	Koehler	Aug	2017	55	2693-212-AA
SDYC	1275	99	Power	40	14	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Apr	2018	55	2693-212-AA
SDYC	1276	0	Power	53	19	Low Copper	Interlux Bottomkote	10397	Marine Group / South Bay	Nov	2018	65	
SDYC	1276	100	Electric	18	6	Low Copper	Interlux Ultrakote Blue	2669N	Shelter Island Boatyard	Sept	2015	65	
SDYC	1280	0	Power	22	8	Low Copper	Woolsey Defense Black	4901	Nielsen Beaumont	Jul	2017	40	2693-203-AA
SDYC	1280	99	Sail	41.7	13	Low Copper	Pettit Hydrocoat Eco	1847G	Nielsen Beaumont	Jun	2017	25	
SDYC	1282	99	Power	26	9	Low Copper	Trinidad-6	A1088G	Shelter Island boatyard	Nov	2021	67	60061-94-ZB
SDYC	1283		Power	46.4	11.6	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Jul	2017	55	2693-212-AA
SDYC	1284	99	Power	39.9	14.2	Low Copper	UNK Red Oxide		Shelter Island Boatyard	Jun	2019	67	
SDYC	1286	98	Power	48	15	Low Copper	Interlux Ultra Black	Y3779F	Shelter Island Boatyard	Apr	2019	55	2693-212-AA
SDYC	1288	93	Power	23	6	Low Copper	Interlux Bottomkote	10397	Shelter Island Boatyard	Sep	2021	42.75	
SDYC	1290	99	Power	38	12	Low Copper	Interlux Ultra	Y3779F	Marine Group / South Bay	Oct	2020	55	2693-212-AA
SDYC	1291	92	Power	32.9	12	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Dec	2017	55	2693-212-AA
SDYC	1293	99										65	
SDYC	1295	86	Sail	36.3	11.9	Low Copper	Pettit Z-Spar Protector	B-94	Driscoll	Jul	2017	65	
SDYC	1295	96	Power	42	15	Low Copper	Interlux Ultra	Y3779F	Driscoll Mission Bay	Oct	2020	55	2693-212-AA
SDYC	1295	99	Sail	28.5	9.2	Low Copper	Interlux Ultra Kote	2779N	Shelter Island Boatyard	Aug	2017	66.5	
SDYC	1295	96	Sail	44	9.1	Low Copper	NFU 993 40% copper ablative	NAU993	Nielsen Beaumont	Jun	2016	41.97	
SDYC	1296	98	Power	30.5	10.6	Low Copper	Interlux Bottomkote Pro	10397	Shelter Island Boatyard	Aug	2014	42.75	
SDYC	1297	100	Power	28.2	9.5	Low Copper	Pettit Vivid White	11161	Shelter Island Boatyard	Nov	2021	25	60061-116-AA
SDYC	1299	98	Power	35	11	Copper	Interlux Bottomkote	10397	Koehler	Nov	2020	42.75	
SDYC	1299	98	Sail	37	11.8	Low Copper	Interlux Ultra-Kote Black	Y3779U	Driscoll Mission Bay	Feb	2017	17	
SDYC	1299	96	Sail	39	11	Low Copper	Pettit Trinidad Blue/Green	1082	Shelter island Boatyard	Jan	2020	0	60061-64-ZD
SDYC	1300	92	Power	35	11	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	May	2019	55	2693-212-AA
SDYC	1305	94	Power	37	10	Low Copper	Interlux Nautical Proguard red	NAU772	Driscoll	Jul	2019	55	60061-94-ZB
SDYC	1306	90	Power	37	13	Copper	Ultrakote-6	Y3669U	Koehler	Jun	2020		
SDYC	1309	100	Power	31	10	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Apr	2019	55	2693-212-AA
SDYC	1310	75	Power	25	6	Low Copper	Interlux Micron	5693	Shelter Island Boatyard	Apr	2018	35	
SDYC	1311	100	Power	42	15	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Feb	2019	55	2693-212-AA
SDYC	1313	98	Power	17	6	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Jun	2016	55	2693-212-AA
SDYC	1319	99	Sail	37.5	13	Low Copper	Hydrocoat	1840	Nielsen Beaumont	Jul	2015	25	60061-87-ZI
SDYC	1320	92	Power	50	16.5	Low Copper	Interlux Ultra Blue	Y3669F	Shelter Island Boatyard	May	2019	55	2693-212-AA
SDYC	1321	72	Sail	42	12	Low Copper	Pettit Ultima	1282	Shelter Island Boatyard	Oct	2020	37.5	60061-71-ZA
SDYC	1321	78	Sail	40	13	Low Copper	Pettit Trinidad Pro HD Black	1088	Shelter Island Boatyard	Dec	2019	0	0
SDYC	1323	90	Sail	36	12	Non Copper	Ceram-kote	99M	Shelter Island Boatyard	May	2018	0	
SDYC	1323	0	Power	36	12.5	Low Copper	Pettit Z-Spar	B-94	Shelter Island Boatyard	Mar	2015	65	
SDYC	1323	96	Power	40	12.6	Low Copper	Pettit Z-Spar Protector	B-91	Port Salerno Marine (Florida)	Jul	2017	65	
SDYC	1327	100	Power	47	15	Low Copper			Purchased Oct 2018 in Seattle		2018	65	
SDYC	1332	99	Power	53	15	Low Copper			SouthBay	Apr	2019	41.19	
SDYC	1332	100	Sail	33.8	11.5	Non Copper	Hydrolift				N/A	0	
SDYC	1334	83	Sail	38	22.4	Low Copper	Interlux Ultra	Y3779F	Driscoll	Jul	2020	55	2693-212-AA
SDYC	1340	95		36	10	Copper						65	

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SDYC	1341	99	Sail	34	11	Low Copper	Purchased 2015				2019	67	
SDYC	1342	96	Power	50	15	Low Copper	SeaHawk AF33	3345	Other	Jun	2020	33	44891-12-AA
SDYC	1342	99	Power	42	13.5	Low Copper	Interlux Ultra Blue Paint	Y3669F	Shelter Island Boatyard	Jul	2017	55	2693-212-AA
SDYC	1346	93	Power	47	15	Low Copper	SeaHawk Topikote Antifouling Blue	2142GL	Outside SD County	May	2019	75.8	
SDYC	1346	95	Power	53	14	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Aug	2018	55	2693-212-AA
SDYC	1347	100	Power	48.6	16	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Mar	2020	55	2693-212-AA
SDYC	1347	95	Sail	33	10	Low Copper	Interlux Ultra	Y3779F	Driscoll	May	2014	55	2693-212-AA
SDYC	1354	98	Sail	48	14	Low Copper	SeaHawk AF33	3345	Outside SD County	May	2019	33	44891-12-AA
SDYC	1357	97	Power	39.8	13.3	Copper						55	
SDYC	1357	95	Sail	34	11.5	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Feb	2021	55	2693-212-AA
SDYC	1363	99	Power	22	8.6	Copper	Westmarine brand		Other	Jun	2021		
SDYC	1363	100	Sail	37	14	Low Copper	Z-Spar Bottom Pro Gold	411187706	Driscoll	Jun	2009	65	60061-94-ZE
SDYC	1368	98	Power	35	10.6	Low Copper	Pettit Z-Spar Protector	B-94	Driscoll	Jan	2021	65	
SDYC	1369	99	Power	17	7	Low Copper	Trilux 33-3	YBA060	Aquarius Yacht Services	Feb	2020	16.95	2693-203-AA
SDYC	1373	100	Sail	26	7	Low Copper	Super KL-6	K93	Driscoll	May	2010	70.2	
SDYC	1373	100	Sail	36	11	Low Copper	Z-Spar Bottom Pro Gold	411187706	Driscoll	Mar	2018	65	60061-94-ZE
SDYC	1374	100	Electric	18	6	Low Copper	Interlux Bottomkote Pro	10397	Shelter Island Boatyard	Jun	2017	67	
SDYC	1378	100	Power	37	13	Low Copper	Interlux Ultra	Y3779F	Koehler	Dec	2021	55	2693-212-AA
SDYC	1380	100	Sail	26	8.6	Low Copper	Z Spar Bottom Pro Gold	411187706	Driscoll	Feb	2018	65	60061-94-ZE
SDYC	1381	98	Power	47	16.5	Copper							
SDYC	1381		Power	27	9	Copper			Purchased August 2020	May	2020	65	
SDYC	1382	99	Power	21	8	Low Copper	Pettit Trinidad	1281	Shelter Island Boatyard	Aug	2019	37.5	60061-71-ZA
SDYC	1383	95	Sail	40	12	Low Copper	Interlux Ultra Kote Blue	Y3669U	Shelter Island Boatyard	Feb	2019	57	
SDYC	1383	9	Power	32	11.5	Low Copper	Interlux Bottomkote	10397	Koehler	Jan	2017	42.75	
SDYC	1389	97	Sail	52	14	Low Copper	Micron Extra-2	5690	Other	Jan	2020	35	
SDYC	1390		Sail	47	11.2	Low Copper	Interlux Micron Extra	5694	Driscoll Boatworks	May	2018	65	
SDYC	1391	100	Power	34	12.3	Low Copper	Nautical Super Proguard NAU 770	NAU770	Nielsen Beaumonth	Jun	2020	55	23566-20-ZR
SDYC	1393	84	Electric	21	7	Low Copper	Interlux Fiberglass Bottomkote Aqua	10397	Shelter Island Boatyard	Jun	2014	42.75	
SDYC	1394	89	Power	30	10	Low Copper	Trinidad HD	1088	Shelter Island Boatyard	Nov	2019	67	
SDYC	1395	99	Sail	36	6	Low Copper	Trinidad VOC Blue	1378	Koehler	Oct	2019	65	
SDYC	1396		Sail	48	13	Low Copper	Interlux Ultra Black	Y3779F	Purchased June 2020 - Bought in Seattle			55	2693-212-AA
SDYC	1396	71	Power	35	13	Low Copper	Interlux Ultra Red	2449H	Shelter Island Boatyard	Jul	2020	76	
SDYC	1400	100	Sail	37	9	Low Copper	Trinidad Pro-7	A1877G	Koehler	Mar	2020	60	
SDYC	1400	100	Power	27.5	9.5	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Dec	2011	55	2693-212-AA
SDYC	1401	63	Power	17	8	Low Copper	Pettit Trinidad HD Black	1088	Shelter Island Boatyard	Jun	2019	0	60061-94-ZD
SDYC	1404	98	Sail	44	13	Low Copper	Interlux Ultra	Y3779F	Driscoll	Apr	2017	55	557-551-ZD
SDYC	1405	96	Sail	32	11	Low Copper	Pettit Z-Spar Protector	B-94	Shelter Island Boatyard	May	2016	65	
SDYC	1406	98	Power	39	12.5	Low Copper	Interlux Ultra	Y3779F	Mountain Marine Industires (Colorado)	Jun	2015	65	2693-212-AA
SDYC	1409	97	Power	35.7	12.6	Low Copper	Proline 1088-6	A1088G	Shelter Island Boatyard	Apr	2017	55	60061-94-ZB
SDYC	1410	80	Sail	31.1	7.6	Low Copper	Pettit Vivid-3	1861	Driscoll - Mssion Bay	May	2016	25	60061-116-AA
SDYC	1412	100	Sail	32	7	Non Copper	Coppercoat		Driscoll	Apr	2016	0	
SDYC	1413	97	Sail	42	13.6	Low Copper	Zspar Bottom Pro Gold	411187706	Driscoll	2021	2014	65	60061-94-ZB
SDYC	1414	100	Sail	40	12.1	Low Copper	Pettit 1271 Trinidad Blue	1082	Shelter Island Boatyard	Aug	2019	55	60061-64-ZD
SDYC	1421	97	Sail	50	13.8	Low Copper	SeaHawk AF33	3345	Shelter Island Boatyard	Apr	2006	33	44891-12-AA
SDYC	1423	99	Sail	15	5	Low Copper	Proline 1088	1088C-02	Driscoll Mission Bay	6	2020	55.7	
SDYC	1424	99	Power	47	14.6	Low Copper	Interlux Ultra Blue	Y3669F	Shelter Island BoatYard	Mar	2015	55	2693-212-AA
SDYC	1427	100	Power	33	11	Low Copper	Interlux Ultra Blue	Y3669F	Shelter Island Boatyard	Jan	2019	55	2693-212-AA
SDYC	1428	90	Power	78	20	Copper						65	
SDYC	1428	70				Low Copper						65	
SDYC	1430	100	Power	38	13.5	Low Copper	Purchased June 2014				2017	67	
SDYC	1431	100	Sail	41.8	13.8	Low Copper	Interlux Ultra	Y3779F	Shelter island Boatyard	Jul	2016	55	2693-212-AA

Facility	Slip/Mooring Reference Number	Percent of Time Occupied	Vessel Type (Power or Sail)	Vessel Length	Vessel Beam	Paint Type Copper, Low or Non	Paint Product Name	Product Number	Boatyard Name or Purchase Date	Painting Date Month (mm)	Painting Date Year (yyyy)	% Copper	Category 1 reg #
SDYC	1432	97	Power	31.7	11.4	Low Copper	Woolsey Defense Black	4901	Nielsen Beaumont Boat Yard	Jul	2017	40	60061-117-ZA
SDYC	1432	96	Sail	40	13	Non Copper	VC Performance Epoxy	V127/A	Shelter Island Boatyard	Jan	2018	0	
SDYC	1435	95	Power	34	12	Low Copper	Interlux Ultra Black	Y3779F	Self Applied	Oct	2020	55	2693-212-AA
SDYC	1435	97	Sail	39.6	12	Low Copper	Ultrakote-6	Y3669U	Shelter Island Boatyard	Jan	2014	57	
SDYC	1435	100	Sail	39.6	12	Low Copper	Trinidad VOC	1878	Droscoll			75.8	
SDYC	1442	100											
SDYC	1446	91	Power	60	16	Low Copper	Interlux Ultra	Y3779F	The Boat Yard, MDR	Mar	2020	55	26883-7-AA
SDYC	1446	99	Power	35	11	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	May	2019	55	2693-212-AA
SDYC	1448	97	Sail	53	15.4	Low Copper	Proline 1088-6	A1088G	Shelter Island Boatyard	Jun	2012	60	60061-94-ZB
SDYC	1453	95	Power	40	14	Low Copper	Interlux Bottomkote	10397	Driscoll	Jun	2016	42.75	
SDYC	1459	96	Sail	46	14	Low Copper	Proline 1088-6	A10886	Shelter Island Boatyard	Jun	2014	55	60061-94-ZB
SDYC	1462	95	Power	21	8	Low Copper	Sharkskin-7	6145	Shelter island Boatyard	Jun	2013	45	44891-11-AA
SDYC	1467	92	Power	48	15.5	Low Copper	Proline 1088-6	A10886	Driscoll	Aug	2018	60	60061-94-ZB
SDYC	1467	83	Sail	38	13.5	Low Copper	Interlux Ultra	Y3779F	Koehler	Jun	2020	55	2693-212-AA
SDYC	1468	98										65	
SDYC	1474	100	Electric	18	7	Low Copper	Interlux Ultra - Blue	Y3669F	Shelter Island Boatyard	May	2018	55	60061-94-ZB
SDYC	1476	92	Power	80	23.5	Low Copper	Interlux Ultra Black	Y3779F	South Bay	Jan	2021	55	2693-212-AA
SDYC	1482	98	Power	38	12	Copper	Interlux Intersmooth	BEA368/5	Shelter Island Boatyard	Oct	2020	40	2693-42-ZQ
SDYC	1488	90	Power	23	7.5	Low Copper	Interlux Ultra Red	YBA472	Self Applied	Jan	2021	35	2693-187-ZE
SDYC	1489	98	Power	38	13	Low Copper	Proline 1088-6	A1088G	Shelter Island Boatyard	Jun	2017	60	
SDYC	1490	100	Sail	30	11	Low Copper	Pettit Trinidad HD	1871	Shelter Island Boatyard	Jun	2019	33	44891-12-ZC
SDYC	1491	98	Power	17	5	Copper	WestMarine		Self Applied	Feb	2022	65	
SDYC	1492	100	Power	25	8	Low Copper	Interlux Ultra	Y3779F	Driscoll	July	2017	55	2693-212-AA
SDYC	1493	90	Sail	39	12	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Mar	2017	55	2693-212-AA
SDYC	1495	96	Power	21	8	Low Copper	Interlux Ultra	Y3779F	Driscoll Mission Bay	Aug	2016	55	2693-212-AA
SDYC	1495	94	Power	32	11.5	Low Copper	Interlux	Y3779F	Koehler	Jul	2018	0	2693-212-AA
SDYC	1499	96	Sail	41	12	Low Copper	Bluewater Copper Shield	8601	Shelter Island Boatyard	Jan	2017	45	
SDYC	1500	87	Sail	33.2	10	Low Copper	Boat Purchased in 2016				2016	65	
SDYC	1500	100	Sail	30	11	Low Copper	Zspar Bottom Pro Black Gold	411127906	Driscolls Shelter Island	Nov	2018	67	60061-117-ZE
SDYC	1502	93	Sail	59	10.6	Low Copper	Pettit Green	Y3559F	Koehler	Jun	2016	55	2693-212-AA
SDYC	1503	100	Power	32	12	Low Copper	Pettit Horizons	1850	Shelter Island Boatyard	Jul	2019	40.5	60061-101-AA
SDYC	1504	96	Sail	30	10	Low Copper	Proline 1088-6	A1088G	Shelter Island Boatyard	Jan	2012	60	60061-94-ZB
SDYC	1504	72										65	
SDYC	1509	76	Sail	43.8	13.6	Low Copper	Black Widow by Pettit Paint	1862	Shelter Island Boatyard	Aug	2016	25	
SDYC	1513	86	Power	35	9.5	Copper	Interlux VC Offshore	V118	Driscoll	May	2020	41.19	
SDYC	1527	92	Power	21	7	Low Copper	Pettit Vivid	1048	Maddox Boatyard	Aug	2021	33.26	
SDYC	1528	97	Sail	52	14	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Jan	2019	55	2693-212-AA
SDYC	1528	98	Sail	48	13.2	Low Copper	VC Offshore Interlux	V117	Driscoll	Feb	2013	41.19	
SDYC	1531	100	Sail	45	13.5	Low Copper	Zspar Bottom Pro Gold Blue	411187706	Driscoll	Oct	2018	65	60061-94-ZE
SDYC	1532	97	Electric	23	7.2	Low Copper	Interlux Ultra	Y3779F	Driscoll	Apr	2020	55	2693-212-AA
SDYC	1532	92	Sail	40	12.5	Low Copper	Pettit Vivid-3	1861	Driscoll	Mar	2018	33	60061-94-ZD
SDYC	1536	100	Power	36	13	Low Copper	Proline 1088-6	A1088G	Shelter Island Boatyard	Nov	2018	60	60061-94-ZB
SDYC	1537	100	Sail	33.3	10	Non Copper	Ceram-kote	99M	Shelter Island Boatyard	Oct	2014	0	
SDYC	1537	99	Sail	38	13.2	Low Copper	SeaHawk Smart Solution	4002	Driscoll	Mar	2021	55	
SDYC	1541	99	Power	38	12	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Apr	2021	55	2693-212-AA
SDYC	1542		Power	31	11	Low Copper	Proline 1088-6	A1088G	Shelter Island Boatyard	Nov	2019	60	60061-94-ZB
SDYC	1545	100	Power	42	13.6	Low Copper	Proline 1088-6 Black	A1088G	Shelter Island Boatyard	Aug	2017	60	60061-94-ZB
SDYC	1546	81	Power	33	12	Low Copper	Interlux Ultra Black	Y3779U	Driscoll	Feb	2017	57	
SDYC	1546	0	6.7	PC 31'		Non Copper		No bottom paint applied ever		Sail		0	
SDYC	1548	81	Power	30	10.3	Low Copper	Interlux Ultra	Y3449F	Shelter Island Boatyard	Jun	2018	55	2693-212-AA
SDYC	1553	95	Sail	30	10.5	Low Copper	Proline 1088-6	A10886	Shelter Island Boatyard	Sept	2017	60	60061-94-ZB

Facility	Slip/Mooring Reference Number	Percent of Time Occupied	Vessel Type (Power or Sail)	Vessel Length	Vessel Beam	Paint Type Copper, Low or Non	Paint Product Name	Product Number	Boatyard Name or Purchase Date	Painting Date Month (mm)	Painting Date Year (yyyy)	% Copper	Category 1 reg #
SDYC	1553	84	Sail	36	12	Low Copper	Interlux Ultra Antifouling Paint	Y3779F	Marine Group Boatworks	May	2020	55	2693-212-AA
SDYC	1554	80	Sail	30	7	Low Copper	Pettit Black 1088	A1088G	Driscoll Mission Bay	Jun	2017	60	60061-94-ZB
SDYC	1556	0	Sail	44.9	13	Low Copper	Interlux Bottomkote Pro	79	Nielsen Beaumont	Feb	2017	65	
SDYC	1556	92	Sail	46.9	11.1	Low Copper	Proline 1088-6	A1088G	Shelter Island Boatyard	Apr	2016	60	
SDYC	1559	100	Sail	50	15.11	Low Copper	Interlux Ultra Green	Y3559F	Shelter Island Boatyard	May	2020	55	2693-212-AA
SDYC	1559	95	Power	33	10.8	Low Copper	Interlux Interspeed	BQA659/5GL	Koehler	Feb	2017	38	2693-176-ZB
SDYC	1563	67	Power	36	13	Low Copper	Pettit Z-Spar Protector	B-94	Driscoll	Jul	2017	65	
SDYC	1563	99	Power	46	15	Non Copper	Interlux Interprotect	YPA401	Shelter Island Boatyard	Jun	2015	0	
SDYC	1564	0	Power	43.9	14.6	Low Copper	Interlux Micron Ultra / blue	YBA472	Driscoll Shelter Island	May	2019	55	2693-187-ZE
SDYC	1566	86	Sail	32.7	9.15	Low Copper	Interlux Ultra	Y3779F	Koehler Kraft	Jul	2021	55	2693-212-AA
SDYC	1566	86	Power	50	15	Low Copper	Proline 1088-6	A1088G	Shelter Island Boatyard	Nov	2014	60	60061-94-ZB
SDYC	1567	100	Power	55	16	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Dec	2018	55	2693-212-AA
SDYC	1569	100	Sail	30	6.5	Low Copper	Interlux Ultra	Y3779F	Koehler	Mar	2015	55	2693-212-AA
SDYC	1575	97	Sail	35	11.7	Low Copper	Z-Spar Gold	A1088G	Driscoll	Aug	2020	67	60061-94-ZB
SDYC	1576	97	Sail	68	15	Low Copper	SeaHawk AF33	3345	Outside SD County	Jun	2020	33	44891-12-AA
SDYC	1578	95	Power	32	9	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Jul	2018	55	2693-212-AA
SDYC	1578	100	Sail	38	12	Low Copper	Interlux Ultra	Y3779F				55	2693-212-AA
SDYC	1579	100	Power	57	14.5	Low Copper	Interlux Bottomkote	10397	Shelter Island Boatyard	Sep	2018	42.75	
SDYC	1580	96	Sail	46.4	9.9	Non Copper	Interlux Ultra-Coat	2779N	Shelter Island Boatyard	Apr	2017	0	
SDYC	1581	97	Power	27	9	Low Copper			Purchased August 2020	May	2020	67	
SDYC	1584	99	Power	44	13.7	Low Copper	Bluewater Shelter Island	8202	Shelter Island Boatyard	Apr	2011	0	
SDYC	1585	100	Power	38	12	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Apr	2018	55	2693-212-AA
SDYC	1587		Vacant										
SDYC	1587	90	Power	29	9	Low Copper	Pettit Vivid-3	1861	Florida	Feb	2018	25	60061-116-AA
SDYC	1590	100	Power	44	15	Low Copper	Seaguard Black	P30BQ12	Driscoll	Feb	2021	48	
SDYC	1592	99	Sail	36	12	Low Copper	Pettit Trinidad Pro	1871	Driscoll	Aug	2020	55	60061-64-ZD
SDYC	1593	95	Sail	41	10.3	Low Copper	Ultrakote - 6	Y3669U	Koehler Kraft	Mar	2017	57	
SDYC	1594	99	Sail	35	11.9	Low Copper	Trinidad Pro-7	A1877G	Shelter Island Boatyard	Oct	2019	60	60061-94-ZD
SDYC	1601	75	Sail	35	11.6	Non Copper	Interlux White Epoxy Paint	V127/A	Driscoll	Apr	2017	0	
SDYC	1607	100	Sail	28	6	Low Copper	Proline	A10886	Driscoll Mission Bay	Oct	2020	60	60061-94-ZB
SDYC	1607	100	Sail	34	11	Low Copper	Z-Spar Bottom Pro Gold	411187706	Driscoll	Mar	2018	65	60061-94-ZE
SDYC	1607	100	Sail	32	6	Low Copper	Proline 1088-6	A1088G	Shelter Island Boatyard	Mar	2015	60	60061-94-ZB
SDYC	1613	100	Power	41	13	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Mar	2018	55	2693-212-AA
SDYC	1614	100	Power	25	8	Low Copper	Pettit Vivid-3	1861	Driscoll - Mission Bay	Apr	2016	25	60061-116-AA
SDYC	1615	100	Power	47	16	Low Copper	Pettit Trinidad Black	A1088G	Shelter Island Boatyard	Nov	2020	60	44891-41-ZC
SDYC	1616	100											
SDYC	1618	99	Sail	29	9	Low Copper	Interlux Ultra	Y3779F	Other	Dec	2016	55	2693-212-AA
SDYC	1620	99											
SDYC	1621	98	Sail	39.3	13	Low Copper	Pettit Trinidad	Y3779F	Shelter Island Boatyard	Jun	2021	55	2693-212-AA
SDYC	1624	94	Power	38	13	Low Copper	Pettit Trinidad	1281	Driscoll	Oct	2020		60061-71-ZA
SDYC	1626	87	Sail	85	20	Non Copper	SeaHawk Smart Solution	4705	Outside SD County	Oct	2019	0	
SDYC	1627	99	Power	33	11.6	Low Copper	Interlux Ultra Black	Y3779F	Shelter Island Boatyard	Mar	2018	55	2693-212-AA
SDYC	1630	88	Power	20	8	Low Copper	Z-spar bottom pro blue	B-91	Driscoll	Aug	2019	25	
SDYC	1631	98	Sail	40	12.11	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Jun	2021	55	2693-212-AA
SDYC	1631	96	Sail	36	11.9	Low Copper	Proline 1088 01 Blue	1088C-02	Shelter Island Boatyard	Jan	2014	55.7	
SDYC	1631	99	Sail	32	6.7	Low Copper	interlux Ultra	Y3779F	Driscoll	Nov	2021	55	2693-212-AA
SDYC	1635	96	Power	38.2	13.4	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	April	2019	55	2693-212-AA
SDYC	1635	99	Power	42	13	Low Copper	Interlux Bottomkote	10397	Koehler	Jun	2019	42.75	
SDYC	1636	98	Sail	40	12	Low Copper	Pettit Z-Spar Protector	B-91	Driscoll	Oct	2018	65	
SDYC	1639	94	Sail	27	9	Non Copper	Ceramcote	99M	Shelter Island Boatyard	Jun	2021	0	
SDYC	1640	100	Sail	68	15	Low Copper	SeaHawk AF33	3345	Outside SD County	Jun	2020	33	44891-12-AA

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SDYC	1641	100	Sail	34.5	11	Non Copper	VP Performance Epoxy	V127/A	Driscoll Mission Bay	Apr	2011	0	
SDYC	1645	96	Sail	36	13	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Feb	2014	55	2693-212-AA
SDYC	1647	95	Power	32	11.5	Low Copper	Interlux Ultra Blue 3669 F	Y3669F	Shelter Island Boatyard	Jun	2016	55	2693-212-AA
SDYC	1647	100	Sail	42	13	Low Copper	Pettit 1271 Trinidad	1271	Shelter Island Boatyard	Oct	2019	55	60061-94-ZB
SDYC	1648	98	Power	48	14.8	Low Copper	Interlux Ultra	Y3779F	Driscoll	Oct	2021	55	60061-71-ZB
SDYC	1650	100		47	14.11	Copper						65	
SDYC	1650	97	Power	42	15	Low Copper	Pettit Ultima / Bottom Pro Gold - Kop Coat	411187706	Huntington Harbor Yard	Oct	2020	65	60061-94-ZE
SDYC	1653	100	Power	43	14	Low Copper	Pettit Z-Spar Protector	B-94	Shelter Island Boatyard	Aug	2015	65	
SDYC	1654	0										65	
SDYC	1654	88	Sail	44.11	13	Low Copper	Interlux Ultrakote	2779N	Shelter Island Boatyard	Oct	2017	66.5	
SDYC	1657	92	Power	33	12.8	Low Copper	Interlux Ultra	Y3779F	Koehler	Nov	2021	55	2693-212-AA
SDYC	1657	93	Power	31	10	Low Copper	Interlux Bottomkote	10397	Shelter Island Boatyard	Jun	2018	42.75	
SDYC	1661	95	Power	36.3	16.5	Non Copper	Intersleek 900	FXA979/A	Shelter Island Boatyard	Jun	2013	0	
SDYC	1662	98	Power	24	8.5	Low Copper	Interlux Ultra Black	Y3779F	Driscolls Mission Bay	Jan	2016	55	2693-212-AA
SDYC	1663	100	Sail	62	35.7	Low Copper	VC Offshore Black	V118	New England Boat Works, Portsmouth, RI	July	2016	41.19	
SDYC	1665	99	Power	47.9	15.5	Low Copper	Proline 1088-6	A1088G	Riviera	Jul	2021	55	60061-94-ZB
SDYC	1665	99	Power	42	12.8	Low Copper	Purchased April 2017				2017	65	
SDYC	1666	99	Sail	33	11.4	Low Copper	Trinidad SR	A1877G	Old Kettenberg Yard	Jun	2020	60	60061-94-ZD
SDYC	1669		Power	42	14	Low Copper	Pettit Hydrocoat red	1640	Driscoll	Feb	2017	40.43	60061-87-ZL
SDYC	1671	100	Power	59.5	16.5	Low Copper	Interlux Ultra B 3669	3669	Shelter Island Boatyard	Jul	2018	55	44891-12-AA
SDYC	1671	95	Sail	42	14	Low Copper	Interlux Ultra Black	Y3779F	Koehler Kraft	Aug	2020	55	2693-212-AA
SDYC	1672	92	Sail	45	14	Low Copper	Trinidad HD	1871	Safe Harbor	Feb	2022	55	60061-64-ZD
SDYC	1672	98	Sail	48	14.75	Low Copper	Interlux Ultra	Y3779F	Driscoll	Jun	2017	55	2693-212-AA
SDYC	1672	98	Sail	30	11	Low Copper	Pettit Trinidad HD	1871	Shelter Island Boatyard	Jun	2019	55	44891-12-ZC
SDYC	1674	100	Sail	40	12	Low Copper	Proline 1088-6	A1088G	Shelter Island Boatyard	Jul	2017	60	60061-94-ZB
SDYC	1675	100	Sail	40	12	Low Copper	Interlux Ultra	Y3779F	Driscoll	May	2019	55	60061-94-ZB
SDYC	1675	100	Sail	34	10.8	Non Copper	Epoxy	V127/A			N/A	0	
SDYC	1680	96	Power	25	8	Low Copper	Interlux Ultra Red	YBA472	Self Applied	Jan	2017	65	2693-187-ZE
SDYC	1682	86	Power	32.2	12	Low Copper	Interlux Ultra-Kote Black	2779N		Feb	2017	66.5	
SDYC	1687	100	Sail	47	14	Low Copper	Proline 1088-6	A1088G	Outside SD County	Apr	2019	65	60061-94-ZB
SDYC	1688	100	Power	37	12	Non Copper	Pacifica Plus	YBA163	Outside San Diego County	Jun	2021	0	
SDYC	1690	99	Power	35	11	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	May	2019	55	2693-212-AA
SDYC	1690	97	Sail	57.3	15.3	Low Copper	Trilux 33-3	YBA060	Driscoll	Jul	2017	17	60061-94-ZB
SDYC	1691	40	Power	44	14	Non Copper	Trilux 33 Copper free		Factory	Jul	2021	0	
SDYC	1692	100	Power	36	13	Low Copper	Bluewater Copper Pro	8101	Shelter Island Boatyard	Apr	2018	67	
SDYC	1694		Sail	42.4	13.12	Low Copper	Koehler Kraft Material		Koehler Kraft	Jan	2019		
SDYC	1694	97	Sail	42	13	Low Copper	Proline 1088-6	A1088G	Shelter Island Boatyard	Dec	2013	60	60061-94-ZB
SDYC	1694	96	Sail	30	21.2	Low Copper	Pettit Vivid Free-3	1361	Marine Group	Jul	2014	25	44891-7-AA
SDYC	1695	98	Power	35.5	13.3	Non Copper	Pettit Ultima Eco	1108	Driscoll	Jun	2018	0	
SDYC	1702	100		40.17	13.25	Copper						55	
SDYC	1702	89	Sail	32	6.7	Low Copper	Interlux Ultra Green	Y3559F	Koehler	May	2019	55	2693-212-AA
SDYC	1703	70	Power	33	11.5	Low Copper	Interlux Ultra-Kote Antifouling	Y3669U	Marine Group Boat Works	Aug	2018	57	
SDYC	1704		Power	40	14	Non Copper	Intersleek 900		Shelter Island Boatyard	Feb	2013	0	
SDYC	1704	79	Sail	38	11	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Jun	2019	55	2693-212-AA
SDYC	1706	99	Power	64	19	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Apr	2020	55	2693-212-AA
SDYC	1706	98										0	
SDYC	1708		Sail	34	11.5	Low Copper	Pettit Z-Spar Pro Gold	41127706	South Coast Shipyard / Newport Beach	Sept	2017	65	60061-94-ZE
SDYC	1711	99	Sail	34.5	11	Low Copper	Petit Trinidad Pro	A1088G	Shelter Island Boat Yard	Jan	2021	60	60061-94-ZB
SDYC	1713	97	Power	25.3	9.5	Low Copper	Pettit Vivid-3	1861	Driscoll	Jan	2014	25	60061-116-AA
SDYC	1716	98	Sail	32	6.7	Low Copper	Interlux Calif Bottomkote - 7	YBA143	Koehler	Jul	2016	35	2693-18-ZA
SDYC	1719	98	Sail	31.6	9.3	Low Copper	Proline 1088 Red	A10886	Shelter Island Boatyard	Mar	2016	60	60061-94-ZB

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SDYC	1722	99	Sail	35	8	Non Copper	Epoxy	V127/A	Driscoll	Feb	2020	0	
SDYC	1724	96	Sail	45	14.4	Copper							
SDYC	1724												
SDYC	1724	96	Sail	57	16	Low Copper	Proline 1088-6	A1088G	Shelter Island Boatyard	May	2020	60	60061-94-ZB
SDYC	1729	95	Sail	68	15	Low Copper	SeaHawk AF33	3345	Outside SD County	Jun	2020	33	44891-12-AA
SDYC	1731	97	Sail	39	13.6	Low Copper	Purchased Jun 2016			6	2016	65	
SDYC	1731	96	Sail	32	6.7	Low Copper	Interlux Ultra	3779	Koehler	Oct	2016	55	
SDYC	1731	96	Sail	32	6.7	Non Copper	Interlux Interspeed	BZA646	Driscoll	Jun	2015	0	
SDYC	1731	83	Sail	35	9	Low Copper	Interlux Bottomkote	10397	Shelter Island Boatyard	Jun	2012	65	
SDYC	1733	99	Power	31	10.3	Low Copper	Interlux Ultra	Y3779F	SD Boatyard	May	2016	55	2693-212-AA
SDYC	1733	100	Power	52.8	15	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Feb	2021	55	2693-212-AA
SDYC	1739												
SDYC	1741	96	Sail	45.9	14	Low Copper	Interlux Ultra Black 3779F	Y3779F	Shelter Island Boatyard	Apr	2015	55	2693-212-AA
SDYC	1742	66	Sail	29.11	10.1	Low Copper	Interlux Bottomkote	10397	Shelter Island boatyard	May	2021	42.75	
SDYC	1744	100	Sail	36	12	Low Copper	Trinidad VOC	1878	Other	Jun	2022	65	
SDYC	1745	100	Power	36	11.8	Low Copper	Interlux Ultra w/ Biolux	Y3559F	Koehler	Sept	2019	67	60061-94-ZB
SDYC	1746	97	Electric	19	7	Low Copper			Purchased Feb 2017	Feb	2017	0	
SDYC	1748	99	Power	30.4	11.5	Low Copper	Interlux UltraKote Blue	Y3669U	Shelter Island Boatyard	Feb	2016	57	
SDYC	1751	100	Power	47.3	14.3	Low Copper	Interlux Ultra	Y3779F			2018	55	2693-212-AA
SDYC	1751	100	Power	25	6.5	Low Copper	Nautical Super Proguard Modified Epoxy - Blue	NAU770	Nielsen Beaumont	Mar	2017	55	23566-20-ZR
SDYC	1753		Sail	34.5	11	Low Copper	Proline	A1088G	Driscoll	Aug	2022	60	60061-94-ZB
SDYC	1754	100	Power	50	14	Low copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	May	2019	55	2693-212-AA
SDYC	1757		Sail	36	11.7	Copper	Purchased Feb 2020					65	
SDYC	1759	89	Sail	43	11.6	Low Copper	Interlux Trilux 33	YBA060	Self Applied	May	2020	16.95	2693-203-AA
SDYC	1761	98	Sail	32	6.7	Low Copper	Interlux Ultra Blue	Y3779F	Self Applied	April	2019	55	2693-212-AA
SDYC	1766	93	Power	33.1	9.7	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Dec	2019	55	2693-212-AA
SDYC	1766	100	Sail	37	12	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Sept	2021	55	2693-212-AA
SDYC	1768	90	Power	35	10	Low Copper	Interlux Ultrakote	2779N	Shelter Island Boatyard	Jun	2016	66.5	
SDYC	1769	91	Power	42	13.5	Low Copper	Trinidad Pro-7	A1877G	Driscoll	Aug	2014	60	60061-94-ZD
SDYC	1769	81	Power	64	18	Low Copper	Interlux Micron	5693	Shelter Island Boatyard	Jul	2019	35	
SDYC	1770	0	Sail	32	7	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Jun	2019	55	2693-212-AA
SDYC	1771	97	Power	45.3	14.3	Low Copper	Trinidad	1871	Shelter Island Boatyard	Jul	2021	55	60061-64-ZD
SDYC	1771	100	Sail	41	11	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Apr	2019	55	2693-212-AA
SDYC	1772	100	Sail	40	12	Low Copper	Interlux Epoxycop	V127/A	Shelter Island Boatyard	Jun	2020	0	
SDYC	1776	75	Power	39.9	14.2	Non Copper	UNK Red Oxide		Shelter Island Boatyard	Jun	2019	0	
SDYC	1777	100	Power	31	10.8	Low Copper	Zspar Bottom Pro Gold	411187706	Sunset Aquatic Shipyard	Jul	2018	65	60061-94-ZE
SDYC	1778	95	Sail	40	12	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Nov	2020	55	2693-212-AA
SDYC	1779	98	Power	40	13.5	Low Copper	Interlux Ultra	Y3779F	Driscoll	Feb	2019	55	2693-212-AA
SDYC	1780	98	Sail	25	8	Low Copper	Purchased 2016		Purchased Apr 2016	Apr	2016	65	
SDYC	1788	97	Power	38	14	Low Copper	Interlux Fiberglass Bottomkote Aqua	YBA579	Driscoll	May	2013	35	
SDYC	1789	98	Power	33	12.5	Low Copper	Interlux Ultra - "Ultra Coat"	2779N	Koehler	Jun	2017	66.5	
SDYC	1790						Pettit Ultima	B-94	Driscoll		2018		
SDYC	1793	84	Power	35	10.5	Low Copper	Sea Hawk Biocop TF 1200-1 Antifoulant	1205-1	Rybovich Shipyard West Palm Beach, FL	Jun	2019	38.06	
SDYC	1794	0	Sail	33.2	10	Low Copper	Boat Purchased in 2016				2016	55	
SDYC	1795	100	Power	42	14	Low Copper	Trinidad HD	1088	Outside SD County	Oct	2020	67	60061-64-ZD
SDYC	1797	59	Sail	39.2	10.8	Copper	Pettit Z-Spar Protector	B-91	Driscoll Mission Bay	Jun	2020	65	
SDYC	1799	100	Sail	38	8	Low Copper	Interlux Bottomkote	10397	Nielsen Beaumont	Jun	2014	42.75	
SDYC	1799	99	Power	28	8	Low Copper	Interlux Ultra Black	Y3779F	Protector Services	Nov	2019	55	60061-71ZB
SDYC	1799	95	Sail	53	14	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Aug	2018	55	2693-212-AA
SDYC	1799	100	Sail	30	21.2	Low Copper	Pettit Vivid Free-3	1361	Marine Group	Jul	2014	25	60061-116-AA
SDYC	1807	98	Sail	41	12.9	Low Copper	Interlux Ultra - Green	Y3559F	Shelter Island Boatyard	Jun	2019	55	

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SDYC	1809	100										65	
SDYC	1809	100	Sail	33.9	11.3	Low Copper	Pettit-Z Spar	411187706	Marine Group	Jun	2013	65	60061-94-ZE
SDYC	1811	98	Sail	79	16.4	Low Copper	Proline 1088-6	A1088G	Ventura Harbor Boatyard	Nov	2014	60	60061-94-ZB
SDYC	1814	100	Power	44	13	Low Copper	Interlux Ultra	Y3779F	Marine Group/South Bay	Jun	2020	55	2693-212-AA
SDYC	1815	97	Power	40	12	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	May	2019	55	60061-94-ZB
SDYC	1817	100	Power	26	9	Low Copper	Trinidad VOC Black	1878	The Boat Yard, MDR	Jan	2013	75.8	
SDYC	1817	99	Sail	30	10	Non Copper	Intersleek 900	FXA979/A	Driscoll Mission Bay	Apr	2017	0	
SDYC	1818	99	Power	39	13.77	Low Copper	Interlux Ultra	Y3779F	Koehler	Feb	2011	55	2693-212-AA
SDYC	1818	99	Power	37	12	Copper	seaguard-2	P30LQ13	South Bay	Jan			
SDYC	1822	100										65	
SDYC	1822	98	Power	42	13.9	Low Copper	Interlux Interspeed	BZA646	Shelter Island Boatyard	Apr	2018	0	
SDYC	1824	99	Sail	45	14.75	Low Copper				Nov	2019	65	
SDYC	1825	99	Power	62	16	Low Copper	Interlux Ultra Black	Y3779F	Shelter Island Boatyard	Jul	2017	55	2693-212-AA
SDYC	1826	95	Power	62	16.8	Low Copper	Interlux Aqua	YBA579	Driscoll	Sep	2022	35	
SDYC	1826	100	Sail	35	11	Non Copper	Interlux Epoxycop	V127/A	Applied by manufacturer	Sept	2001	0	
SDYC	1826	100	Power	35	12	Non Copper	Intersleek Pro Black	FXA979/A	Koehler	July	2017	0	
SDYC	1828	100											
SDYC	1829	93	Power	42	12.8	Low Copper	Purchased April 2017			Apr	2017	0	
SDYC	1831	97	Power	45.7	14.5	Low Copper	Pettit Z-Spar Protector	B-91	Driscoll	Aug	2016	65	
SDYC	1832	0	Sail	34	11	Low Copper	Bluewater Shelter Island	8202	Shelter Island boatyard	Apr	2015	0	
SDYC	1833	99	Power	32.3	8.5	Copper				Unknown			
SDYC	1833	100	Sail	38	11.7	Low Copper	Proline 1088-6	A1088G	Shelter Island Boatyard	Mar	2015	67	60061-94-ZB
SDYC	1833	99	Power	30	20.5	Low Copper	Purchased November 2016			Feb	2020	65	
SDYC	1834			34	11	Copper						65	
SDYC	1840	100	Sail	28	7	Low Copper	Purchased Feb 2016			Feb	2016	65	
SDYC	1840	96	Power	17	6	Low Copper	Trinidad SR	A1877G	Shelter Island Boatyard	Jun	2019	67	60061-94-ZD
SDYC	1845	0	Power	32	11	Low Copper	Proline	A10886	Driscoll	Aug	2022	57	
SDYC	1846	100	Sail	39.5	13.25	Copper				Feb	2020		
SDYC	1847	97	Sail	47	14	Low Copper	SeaHawk AF33	3345	Shelter Island Boatyard	Aug	2015	25	44891-12-AA
SDYC	1848	100	Power	26	9	Low Copper	Interlux Ultra	Y3779F	Outside SD County	Jan	2020	55	2693-212-AA
SDYC	1849	100	Power	21.3	8.4	Low Copper	Bottomshield	411186606	Cogswell Marine	Aug	2015	67	60061-129-AA
SDYC	1849	99	Power	22	8	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	May	2016	55	2693-212-AA
SDYC	1850	99	Sail	33	11	Low Copper	Interlux Ultra	Y3779F	Driscoll	Apr	2021	55	2693-212-AA
SDYC	1851	74	Sail	43	13	Low Copper	Pettit Copper-Guard	1042	Shelter island Boatyard	Feb	2022	40	
SDYC	1855	98	Sail	50	12.2	Low Copper	Seaguard-2	P30BQ12	Driscoll	Mar	2017	48	
SDYC	1857	99	Power	47.1	15.6	Low Copper	Sharkskin-7	6145	SD Boatyard	Nov	2012	45	44891-11-AA
SDYC	1858	86	Sail	28	9.5	non Copper	Ceram-kote	99M	Self applied	Jun	2010	0	
SDYC	1860	99	Sail	38	20	Low Copper	Pettit z-Spar Protector	B-94	Driscoll	Mar	2021	65	60061-49-ZH
SDYC	1861	96	Sail	38	12	Low Copper	Interlux Ultra	Y3779F	Marine Group / South Bay	Jun	2019	55	2693-212-AA
SDYC	1861	94	Power	47	14	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Jun	2017	55	2693-212-AA
SDYC	1864	92	Sail	35	10	Low Copper	Interlux Ultra	Y3779F	Koehler	Jun	2020	55	2693-212-AA
SDYC	1870	97	Power	21	7	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Nov	2020	55	2693-212-AA
SDYC	1871		Sail	72	15	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Jul	2016	55	2693-212-AA
SDYC	1881	97	Sail	40	12	Low Copper	Pettit Z-Spar Protector	B-94	Driscoll	Oct	2019	65	
SDYC	1883	99	Power	32	12.5	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Jun	2016	55	2693-212-AA
SDYC	1884	100	Power	50	16.8	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	May	2015	55	2693-212-AA
SDYC	1885	97	Sail	34.5	11	Low Copper	Proline 1088-G	A1088G	Shelter Island Boatyard	Oct	2021	60	60061-94-ZB
SDYC	1887	100				Copper						65	
SDYC	1889	78	Power	23.5	8.5	Low Copper	Zspar Bottom Pro Gold Black	411127906	Driscoll	Aug	2018	48	7313-18-ZB
SDYC	1889	100	Sail	35	11	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Jun	2020	55	2693-212-AA
SDYC	1892	95	Power	58	17	Low Copper	Interlux Ultra	Y3779F	Outside San Diego County	Aug	2021	55	2693-212-AA

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SDYC	1893	95	Sail	39	12	Low Copper	Interlux Ultra	Y3779F	Driscoll	May	2022	55	26883-7-AA
SDYC	1897	100	Sail	32	7	Low Copper	Interlux Ultra	Y3779F	Koehler	Jun	2015	55	2693-212-AA
SDYC	1898	98	Sail	33.6	11.8	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Apr	2014	55	2693-212-AA
SDYC	1900	78	Sail	31	5	Low Copper	Hydrocoat	1840	Shelter Island Boatyard	May	2020	67	60061-87-ZI
SDYC	1902	98	Power	22	8	Low Copper	Cukote	3410	Koehler	Jan	2020	55	
SDYC	1903	100	Sail	36	12	Low Copper	Pettit Z-Spar Protector	B94	Driscoll	Jun	2016	67	
SDYC	1905	0	Power	17	6	Copper	Interlux		Safeharbor Marina	Jan	2022	65	
SDYC	1905	99	Electric	30	10	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Nov	2020	55	2693-212-AA
SDYC	1911	98	Power	35	11	Low Copper	Pettit Unepoxy Formula	1628	Shelter Island Boatyard	Mar	2021	65	60061-94-ZB
SDYC	1914	97	Power	30	8.5	Low Copper	Interlux	Y3779F	Shelter Island Boatyard	Jul	2021	55	2693-212-AA
SDYC	1917	99	Power	21	9	Low Copper	Interlux Bottomkote		Shelter Island Boatyard	Jan	2017	55	
SDYC	1918	96	Sail	40	12	Low Copper	Interlux Ultra Kote Blue	3669U	Shelter Island Boatyard	Feb	2019	65	
SDYC	1918	95	Power	40	13.5	Copper	N/A		N/A		N/A	65	
SDYC	1919	98				Low Copper						0	
SDYC	1920	83	Sail	20	7	Low Copper	Pettit Ultima	1282	Shelter Island Boatyard	Jul	2019	37.5	60061-71-ZA
SDYC	1921	80	Sail	35	11.3	Low Copper	Proline 1088-6	A10886	Driscoll	May	2019	60	60061-94-ZB
SDYC	1924	97	Sail	32	6	Low Copper	Interlux Bottomkote	10397	Shelter Island Boatyard	Jun	2014	42.75	
SDYC	1927	100	Power	26	10	Non Copper	Epoxy Bottom	V127/A	Shelter Island Boatyard	Jun	2018	0	
SDYC	1927		Sail	46	14.4	Low Copper	Purchased June 2018		JK3 Alameda		2018	65	
SDYC	1927	87	Power	40	12	Copper	Pettit Z-Spar Protector	B-94	Driscoll	Nov	2021	65	
SDYC	1927	100	Sail	35	10.6	Low Copper	Trinidad SR	A1877G	Driscoll	Oct	2018	60	60061-94-ZD
SDYC	1932	100	Power	49	14.2	Low Copper	Proline 1088-6	A1088G	Shelter Island Boatyard	Apr	2015	60	60061-94-ZB
SDYC	1933	100	Power	28	9	Low Copper	Pettit Z-Spar Protector	B-91	Driscoll	Jun	2019	65	
SDYC	1933	98	Sail	29.9	11.3	Low Copper	Pettit Z-Spar Protector	B-94	Driscoll	Jun	2021	65	
SDYC	1937	97	Sail	50	13.1	Low Copper	Pettit Vivid White	11161	Shelter Island Boatyard	Sept	2020	25	60061-116-AA
SDYC	1937	98	Sail	37	13.5	Low Copper	Pettit Trinidad Red	1271	Driscoll	Feb	2020	55	60061-64-ZD
SDYC	1938	98	Power	36	13	Low Copper	Pettit Trinidad SR Pro	A1088G	KKMI Boatyard Richmond, Ca	Feb	2020	60	60061-94-ZB
SDYC	1942	100		34	10.5	Copper						65	
SDYC	1943	100	Power	40	13	Low Copper	Pettit Z-Spar Protector	B-91	Driscoll	Jul	2019	65	
SDYC	1943	100	Electric	31	11.3	Low Copper	Pettit Z-Spar	411187706	Driscoll	Dec	2011	65	60061-94-ZE
SDYC	1946	96	Sail	41	10.5	Low Copper	Trinidad SR	A1877G	Driscoll	Jun	2020	60	60061-94-ZD
SDYC	1948	0	Sail	28	8.5	Low Copper	Interlux Ultra	Y3779F		Jan	2019	55	
SDYC	1949	100	Sail	42	13	Low Copper	SeaHawk Tropicoat	2140GL	Boatyard in Mexico	Mar	2019	75.8	
SDYC	1950	98	Power	38	13	Low Copper	Super Proguard Epoxy		Nielsen Beaumont	Mar	2018	67	
SDYC	1950	100	Power	20	7	Low Copper	Interlux Ultra	Y3779F	Driscoll	Oct	2021	55	2693-212-AA
SDYC	1951	92	Sail	39.7	11.8	Low Copper	Pettit Vivid White	11161	Shelter Island Boatyard	Jan	2011	25	60061-116-AA
SDYC	1959	100	Sail	21	7	Low Copper	Pettit Vivid Black	1861	Koehler Kraft	Oct	2018	25	60061-116-AA
SDYC	1961	99	Sail	35	11	Low Copper	Interlux Ultra	Y3779F	Koehler	Apr	2019	55	2693-212-AA
SDYC	1961	99	Sail	32	5.1	Low Copper	Inerlux Ultrakote Blue	2669N	Koehler Kraft	Jul	2016	66.5	
SDYC	1963	95	Power	52	14	Low Copper	Interlux Calif Bottomkote - 7	YBA143	Driscoll	Jul	2017	35	2693-18-ZA
SDYC	1978	94	Power	24	9	Low Copper	Interlux Bottomkote	10397	Driscoll	Oct	2016	25	
SDYC	1979	82	Power	33	10	Low Copper	Pettit Z-Spar Protector	B-91	Driscoll	Feb	2017	65	
SDYC	1982		Power	32	10.8	Low Copper	Interlux	Y3779F	Driscoll	Dec	2020	55	2693-212-AA
SDYC	1983	98	Power	48	14	Low Copper	Pettit Trinidad Blue	A1277Q	Shelter Island Boatyard	Feb	2020	60	60061-94-ZD
SDYC	1983	93	Sail	50	12.2	Low Copper	Interlux Ultra	Y3779F	Driscoll	Nov	2021	55	2693-212-AA
SDYC	1990	78	Sail	43.8	12	Low Copper	Interlux Ultra	Y3779F	Shelter Island Boatyard	Nov	2017	55	2693-212-AA
SDYC	1990	69	Sail	34	11	Low Copper	Pettit Z-Spar Protector	B-91	Driscoll	Oct	2018	65	
SDYC	1993	98	Sail	29	11	Low Copper	Z-Spar Bottom Pro Gold Blue	411187706	Driscoll	Jan	2018	65	60061-94-ZE
SDYC	1993	92	Sail	36	12	Low Copper	Interlux Ultra	Y3779F	Shelter Island boatyard	Jan	2021	55	2693-212-AA
SDYC	1993	95	Sail	24.6	6.72	Low Copper	Vivid	1361	Driscoll	Jan	2022	55	60061-116-AA
SDYC	1995	95	Sail	40	12	Low Copper	Interlux Ultra	Y3779F	Driscoll	Jan	2018	55	2693-212-AA

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SDYC	1996	100	Power	26	9.2	Low Copper			Purchased Mar 2017	Mar	2017	65	
SDYC	1999	100	Power	65	58	Low Copper	Interlux Ultra	Y3779F	Marine Group/South Bay	Jun	2018	55	2693-212-AA
SGYC	3598	100	P	28	9.4	COPPER			Recent Purchase	03	2020	65	
SGYC	3536	99	S	32.8	9.15	NON	SLIP LINER					0	
SGYC	3497	10	P	30.6	9.6	LOW COPPER	PETTIT TRINIDAD BLACK	1871	SHELTER ISLAND BOAT YARD	04	2021	65	60061-94-ZB
SGYC	3483	99	S	27	8.9	NON	SLIP LINER		AQUARIUS BOAT YARD	06	2015	0	
SGYC	3459	100	S	30	9.6	LOW COPPER			SHELTER ISLAND BOAT YARD	03	2016	65	
SGYC	3451	100	S	31	10.7	COPPER			Recent Purchase	07	2021	65	
SGYC	3449	100	S	20	7	COPPER						65	
SGYC	3441	75	P	26	8	COPPER							
SGYC	3440	98	S	30	10	LOW COPPER	INTERLUX ULTRA	Y3559F	KOEHLER KRAFT	11	2021	55	2693-212-AA
SGYC	3438	100	P	44	15	LOW COPPER	PETTIT TRINIDAD HD	1187105	SAFE HARBOR/SHELTER ISLAND	05	2021	55	60061-94-ZB
SGYC	3436	100	S	30	10	COPPER						65	
SGYC	3434	90	S	40	11.8	LOW COPPER	INTERLUX ULTRA	Y3779U	SHELTER ISLAND BOAT YARD	09	2016	57	
SGYC	3432	90	S	37	11.6	LOW COPPER	INTERLUX	Y3669F	SHELTER ISLAND BOAT YARD	07	2016	55	2693-212-AA
SGYC	3431	99	S	42	13.9	LOW COPPER	INTERLEX ULTRA	Y3779F	KOEHLER KRAFT	06	2018	55	2693-212-AA
SGYC	3425	100	S	34.5	12	LOW COPPER	INTERLUX ULTRA	3669	SHELTER ISLAND BOAT YARD	03	2017	55	
SGYC	3419					COPPER						65	
SGYC	3413	100	S	36	12.3	COPPER						55	
SGYC	3411	100	S	46.3	13.8	COPPER						65	
SGYC	3410	95	S	51.6	15.3	LOW COPPER	UNTERLUX ULTRA	Y3779F	SHELTER ISLAND BOAT YARD	11	2017	55	2693-212-AA
SGYC	3407	100	S	33	12.6	LOW COPPER	TRINIDAD HD	1271	SAFE HARBORSHELTER ISLAND BOAT YARD	09	2022	55	60061-64-ZD
SGYC	3404	95	S	38	12	LOW COPPER	PRO LINE	1088C-01	SHELTER ISLAND BOAT YARD	03	2015	67	
SGYC	3402	90	P	48	14.2	LOW COPPER	INTERLUX ULTRA	Y3449F	SHELTER ISLAND BOAT YARD	10	2018	55	2693-212-AA
SGYC	3401	100	P	36	12.6	LOW COPPER	TRINIDAD PRO HD	1271	SHELTER ISLAND BOAT YARD	07	2019	65	60061-64-ZD
SGYC	3397	90	S	49.5	14.8	LOW COPPER	TRINIDAD HD	1871	SAFE HARBOR SHELTER ISLAND BOAT YARD	06	2022	55	60061-64-ZD
SGYC	3389	100	S	36	12.6	LOW COPPER	PETTIT TRINADAD	1271	SAFE HARBOR SHELTER ISLAND BOAT YARD	10	2022	55	60061-64-ZD
SGYC	3387	95	S	32	6.8	LOW COPPER	INTERLUX ULTRA KOTE	Y3669U	DRISCOLLS SHELTER ISLAND	02	2022	57	2693-119-ZD
SGYC	3386	90	S	34	11	LOW COPPER	INTERLUX ULTRA	Y3669U	SHELTER ISLAND BOAT YARD	05	2017	57	
SGYC	3384	100	P	30	11.5	LOW COPPER	PETTIT TRINIDAD VOC	1278	MARINA SHIPYARD LONG BEACH	3	2017	53	
SGYC	3383	98	S	27	8.1	LOW COPPER	INTERLUX ULTRA	Y3669F	SHELTER ISLAND BOAT YARD	07	2019	55	2693-212-AA
SGYC	3380	100	S	30	12	LOW COPPER	PETTIT TRINIDAD BLUE	1271	SHELTER ISLAND BOAT YARD	10	2020	65	60061-94-ZB
SGYC	3376	100	P	42	13.7	LOW COPPER	PETTIT TRINIDAD HD	1187105	SAFE HARBOR/SHELTER ISLAND	04	2022	55	60061-94-ZB
SGYC	3373	85	S	30	10.5	NON	INTERLUX	YBA168	SHELTER ISLAND BOAT YARD	01	2014	0	
SGYC	3372	90	S	49	13	NON	INTERLUX	YBA168	SHELTER ISLAND BOAT YARD	11	2017	0	
SGYC	3371	90	P	50	16	COPPER	INTERLUX ULTRA	Y3559U	NIELSON BEAUMONT	07	2021	57	
SGYC	3370	100	P	30	8.5	LOW COPPER	PETTIT TRINIDAD BLACK	1828	SHELTER ISLAND BOAT YARD	05	2019	65	60061-94-ZB
SGYC	3368	100	P	54	14	LOW COPPER	PETTIT TRINIDAD	1083	SHELTER ISLAND BOAT YARD	04	2021	65	60061-64-ZD
SGYC	3362	100	P	28	10	LOW COPPER	TRINIDAD HD	1871	SHELTER ISLAND BOAT YARD	09	2020	55	60061-64-ZD
SGYC	3357	97	S	34	12	LOW COPPER	PETTIT TRINIDAD	1271	SAFE HARBOR/SHELTER ISLAND	08	2022	65	60061-94-ZB
SGYC	3355	NO BOAT											
SGYC	3354	98	S	36.3	11.9	LOW COPPER	INTERLUX	YBA470	KOEHLER KRAFT	04	2019	35	2693-187-ZD
SGYC	3353	100	S	30	9	LOW COPPER	PETTIT TRINIDAD	1671	SAFE HARBOR/SHELTER ISLAND	09	2022	53	
SGYC	3352	100	S	29	10	COPPER						65	
SGYC	3343	90	P	50	16	LOW COPPER	TROPIKOTE - MADE BY SEAHAWK	2141	BAJA NAVAL ENSENADA MX	08	2020	76	44891-10-ZA
SGYC	3339	90	S	36	6	LOW COPPER	TRINIDAD	1875	DRISCOLLS	03	2015	70	
SGYC	3333	100	S	30	10.6	COPPER						65	
SGYC	3320	100	P	50	15	LOW COPPER	PETTIT TRINIDAD BLUE	1271	SAFE HARBOR/SHELTER ISLAND BOAT YARD	03	2021	65	60061-94-ZB
SGYC	3317	100	P	50	15	LOW COPPER	PETTIT TRINIDD	1871	SAFE HARBOR/SHELTER ISLAND	08	2021	65	60061-94-ZB
SGYC	3316	100	P	42	13.6	LOW COPPER		UNKNOWN		01	2011	65	
SGYC	3315	95	P	38	13.5	LOW COPPER	SEAHAWK TROPICOTE	2145	LA COSTA BOATWORKS	08	2022	55	44891-10-AA

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SGYC	3313	96	S	34.6	11.9	LOW COPPER	PETTIT TRINIDAD	1271	SHELTER ISLAND BOAT YARD	10	2020	65	60061-94-ZB
SGYC	3309	100	S	36	10.6	LOW COPPER	INTERLUX ULTRA KOTE	Y3779U	SHELTER ISLAND BOAT YARD	08	2016	55	
SGYC	3308	100	S	32	10.6	LOW COPPER	UNKOWN			05	2007	65	
SGYC	3304	99	P	28	10	LOW COPPER	INTERLUX ULTRA	Y3779F	SHELTER ISLAND BOAT YARD	02	2017	55	2693-212-AA
SGYC	3302	90	S	40	10	LOW COPPER	INTERLUX ULTRA	Y3669F	SHELTER ISLAND BOAT YARD	01	2017	55	2693-212-AA
SGYC	3299	98	S	40	13.25	NON	COPPER COAT	85396-1-AA	BAJA NAVAL ENSENADA MX	05	2020	0	
SGYC	3298	100	S	30	10	COPPER						65	
SGYC	3297	90	p	60	15.5	COPPER						65	
SGYC	3296	1	S	46	15	LOW COPPER	PETTIT TRINIDAD HD	1875	DRISCOLLS	08	2022	55	60061-64-ZE
SGYC	3286	98	S	25.11	8	LOW COPPER	INTERLUX ULTRA KOTE	Y3449U	KOHLER KRAFT	06	2018	57	
SGYC	3279	98.5	S	46.9	14.2	LOW COPPER	PETTIT ZSPAR	B-94	DRISCOLLS	06	2019	65	60061-49-ZH
SGYC	3278	100	S	34	11.9	LOW COPPER	INTERLUX ULTRA	3669	SHELTER ISLAND BOAT YARD	11	2018	55	
SGYC	3270	95	P	30	10.6	LOW COPPER	INTERLUX ULTRA KOTE	Y3669U	MARINE GROUP BOAT WORKS	08	2021	55	2693-212-AA
SGYC	3265	50	S	42	12	LOW COPPER	INTERLUX ULTRA KOTE	Y3779F	KOHLER KRAFT	03	2022	55	2693-212-AA
SGYC	3259	100	P	40.3	13.7	COPPER						65	
SGYC	3257	90	S	30	10.1	LOW COPPER	PETTIT TRINIDAD	1271	SHELTER ISLAND BOAT YARD	06	2021	65	60061-94-ZB
SGYC	3256	100	P	32.6	10.6	COPPER						65	
SGYC	3254	100	P	45.5	13.8	LOW COPPER	INTERLUX ULTRA	Y3779F	SHELTER ISLAND BOAT YARD	02	2014	55	2693-212-AA
SGYC	3250	95	S	40	11.5	LOW COPPER	PETTIT TRINIDAD HD	1271	SHELTER ISLAND BOAT YARD	05	2021	65	60061-94-ZB
SGYC	3248	90	S	41	12.6	LOW COPPER	PETTIT	1240	KOHLER KRAFT	06	2020	65	60061-87-ZH
SGYC	3244	100	P	40	12.2	LOW COPPER				11	2010	65	
SGYC	3240	87	S	44	13.6	LOW COPPER	TRINIDAD HD	1871	SAFE HARBOR/SHELTER ISLAND	11	2021	55	60061-64-ZD
SGYC	3239	90	P	37	13	COPPER						65	
SGYC	3229	100	S	40	7	LOW COPPER	INTERLUX ULTRA KOTE	Y3449F	KOEHLER KRAFT	03	2018	55	2693-212-AA
SGYC	3226	98	S	39.25	12.5	LOW COPPER	TRINIDAD HD	1871	SHELTER ISLAND BOAT YARD	09	2019	55	60061-64-ZD
SGYC	3225	100	S	37	10.1	LOW COPPER	PRO LINE	Y1088C-01	SHELTER ISLAND BOAT YARD	05	2021	67	557-551-ZD
SGYC	3224	75	P	42	15	LOW COPPER	PROLINE 1088	Y1088C-01	SHELTER ISLAND BOAT YARD	05	2019	67	557-551-ZD
SGYC	3221	95	S	34	11.6	LOW COPPER	PETTIT TRINIDAD	1675	SHELTER ISLAND BOAT YARD	08	2020	65	60061-94-ZB
SGYC	3217	95	S	31	10.3	LOW COPPER	Z-SPAR PRO GOLD	411187706	DRISCOLL	02	2018	65	60061-94-ZE
SGYC	3216	95	S	38	12.6	LOW COPPER	PETTIT TRINIDAD	1271	SHELTER ISLAND BOAT YARD	10	2021	55	60061-94-ZB
SGYC	3215	90	S	30	10.1	NON	INTERSLEEK 900	FXA970/A	SHELTER ISLAND BOAT YARD	05	2014	0	
SGYC	3212	100	S	37	12.5	LOW COPPER	PRO LINE 1088	Y1088C-01	KOEHLER KRAFT	11	2018	55	60061-94-ZB
SGYC	3207	100	S	39.8	12.8	LOW COPPER	PETTIT TRINIDAD PRO HD	1083	SHELTER ISLAND BOAT YARD	11	2019	65	60061-64-ZD
SGYC	3204	100	S	31.11	10.1	LOW COPPER	PCA GOLD RED1.2	60061-101-ZB	DRISCOLL'S MISSION BAY	07	2021	53	60061-101-ZB
SGYC	3202	99	S	27	8	LOW COPPER	INTERLUX ULTRAKOTE	Y3669U	SHELTER ISLAND BOAT YARD	11	2016	57	
SGYC	3192	100	P	38	13	COPPER						65	
SGYC	3187	90	S	38	12.1	COPPER	INTERLUX ULTRA KOTE	Y3449U	SHELTER ISLAND BOAT YARD	04	2022	55	
SGYC	3185	100	P	42	13.6	LOW COPPER	INTERLUX	Y3779F	SHELTER ISLAND BOAT YARD	07	2013	55	2693-212-AA
SGYC	3182	99	S	36	11.11	LOW COPPER	UNKNOWN		SHELTER ISLAND BOAT YARD	03	2007	65	
SGYC	3181	50	P	46	14	LOW COPPER	PETTIT TRINIDAD	1871	SAFE HARBOR/ SHELTER ISLAND BOAT YARD	06	2022	55	60061-94-ZB
SGYC	3179	98	P	43	14	LOW COPPER	TRINADAD HD	1871	SAFE HARBOR/SHELTER ISLAND	05	2022	55	60061-64-ZD
SGYC	3178	100	P	31.6	12	LOW COPPER	INTERLUX ULTRA BIOLUX	Y3559U	SHELTER ISLAND BOAT YARD	06	2021	57	2693-212-AA
SGYC	3168	99	S	30	10	NON	INTERSLEEK 900	FXA970/A	SHELTER ISLAND BOAT YARD	02	2013	0	
SGYC	3167	95	S	35	12	LOW COPPER	INTERLUX ULTRA	Y3669F	SHELTER ISLAND BOAT YARD	04	2019	55	2693-212-AA
SGYC	3166	98	P	57	14.5	LOW COPPER	PETTIT TRINIDAD PRO	1083	SAFE HARBOR/SHELTER ISLAND	01	2022	65	60061-64-ZD
SGYC	3164	100	S	30	10.3	LOW COPPER	PETTIT TRINIDAD	1083	SHELTER ISLAND BOAT YARD	08	2020	65	60061-94-ZB
SGYC	3163	98	S	37	11.8	LOW COPPER	PETTIT TRINIDAD	1875	MARINA DEL REY BOAT YARD	05	2015	67	
SGYC	3162	95	S	30	10.6	LOW COPPER	PETTIT TRINIDAD BLUE	1271	SHELTER ISLAND BOAT YARD	07	2019	65	60061-94-ZB
SGYC	3150	90	S	42	11	LOW COPPER	PROLINE	1088	SHELTER ISLAND BOAT YARD	06	2014	67	
SGYC	3148	NO BOAT											
SGYC	3146	100	S	37.7	12.8	LOW COPPER	INTERLUX ULTRA BLACK	3779S	KOEHLER KRAFT	10	2021	55	2693-212-AA

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SGYC	3142	NO BOAT											
SGYC	3140	100	P	30	10	COPPER						65	
SGYC	3136	100	S	41.6	13.1	COPPER						65	
SGYC	3135	95	P	46	13.5	LOW COPPER	PETTIT TRINIDAD	1871	SAFE HARBOR/SHELTER ISLAND	10	2021	55	60061-94-ZB
SGYC	3133	95	S	45	15	LOW COPPER	PETTIT PROTECTOR	B-91	DRISCOLLS	12	2016	65	
SGYC	3128	95	S	27	8	COPPER						65	
SGYC	3123	90	S	38	13	LOW COPPER	INTERLUX ULTRA	3669	SHELTER ISLAND BOAT YARD	07	2015	55	
SGYC	3116	90	S	38	12	LOW COPPER	PETTIT TRINIDAD	A1108206	DRISCOLLS	09	2016	65	
SGYC	3113	100	P	34.5	11.8	LOW COPPER	ZSPAR BP GOLD	3669	DRISCOLLS	01	2019	55	60061-64-ZE
SGYC	3111	100	S	32	11	LOW COPPER	UNKNOWN				2003	65	
SGYC	3110	90	S	38	13	LOW COPPER	PETTIT TRINADAD	1875	SAFE HARBOR/SHELTER ISLAND	03	2022	65	60061-94-ZB
SGYC	3108	100	S	24	11	COPPER						65	
SGYC	3104	95	S	31	10.6	LOW COPPER	INTERLUX ULTRA	Y3669F	SAFE HARBOR SHELTER ISLAND BOAT YARD	09	2020	67	2693-212-AA
SGYC	3103	99	S	26	8	NON	SLIP LINER					0	
SGYC	3102	100	S	43	14.5	LOW COPPER	UNKNOWN		KNIGHT & CARVER	01	2009	67	
SGYC	3101	90	S	34	11	LOW COPPER	TRINIDAD PRO HD	1271	SHELTER ISLAND BOAT YARD	06	2020	65	60061-64-ZD
SGYC	3099	95	S	42	13	LOW COPPER	INTERLUX ULTRA KOTE	Y3669F	SHELTER ISLAND BOAT YARD	02	2021	55	2693-212-AA
SGYC	3094	90	S	32	JPAU	LOW COPPER	INTERLUX ULTRA KOTE	Y3559F	SHELTER ISLAND BOAT YARD	07	2017	55	2693-212-AA
SGYC	3092	90	S	33.3	10	LOW COPPER	PRO LINE	Y1088C-01	SHELTER ISLAND BOAT YARD	03	2014	67	
SGYC	3088	NO BOAT											
SGYC	3082	100	P	31	10	COPPER	INTERLUX ULTRA	Y3669U	DRISCOLL'S BOAT WORKS	09	2020	65	
SGYC	3080	95	S	32	10.9	LOW COPPER	PETTIT TRINIDAD HD	1871	SHELTER ISLAND BOAT YARD	06	2020	65	60061-94-ZB
SGYC	3078	95	P	50.3	15.7	LOW COPPER	TRINIDAD HD	1871	SHELTER ISLAND BOAT YARD	01	2020	55	60061-64-ZD
SGYC	3073	98	S	32	10	LOW COPPER	PETTITE	B-91	DRISCOLL	04	2016	65	
SGYC	3062	90	S	39.8	12.6	LOW COPPER	PETTIT TRINIDAD	1671	SHELTER ISLAND BOAT YARD	08	2020	65	60061-94-ZB
SGYC	3058	100	P	43	15	LOW COPPER	INTERLUX ULTRA	Y3669U	DRISCOLLS MISSION BAY	07	2006	55	
SGYC	3055	99	S	32	11	LOW COPPER	PETTIT SR 60	1032	SHELTER ISLAND BOAT YARD	10	2017	65	
SGYC	3051	NO BOAT										0	
SGYC	3050	99	S	34	10	LOW COPPER				10	1995	65	
SGYC	3049	100	S	39.5	13	LOW COPPER	PROLINE	Y1088C-01	MARINE GROUP	03	2017	67	
SGYC	3047					COPPER						65	
SGYC	3045	100	P	46	14.5	COPPER						65	
SGYC	3041	100	S	30	10.8	LOW COPPER	Z-SPAR BOTTOM PRO	41127706	DRISCOLL	09	2017	65	60061-94-ZE
SGYC	3040	90	S	32.5	11.9	LOW COPPER	PETTIT ZSPAR	B-91	DRISCOLL BOAT WORKS	11	2016	65	
SGYC	3039	100	P	35	12	LOW COPPER	PROLINE	1088	SAFE HARBOR/SHELTER ISLAND BOAT YARD	01	2020	65	60061-94-ZB
SGYC	3036	90	S	36	12	COPPER	INTERLUX ULTRA BIO LUX	3669	KOEHLER KRAFT	03	2022	55	
SGYC	3034	90	S	32.8	10.8	LOW COPPER	PETTIT TRINIDAD BLACK	1828	SHELTER ISLAND BOAT YARD	05	2021	65	60061-94-ZB
SGYC	3033	100	P	43	13.7	LOW COPPER	INTERLUX ULTRA	Y3449F	KOEHLER KRAFT	01	2021	65	2693-212-AA
SGYC	3031	100	P	24	9	COPPER						65	
SGYC	3030	100	S	36	12	LOW COPPER	INTERLEX ULTRA	3669	SHELTER ISLAND BOAT YARD	04	2019	55	
SGYC	3028	100	S	27	9	LOW COPPER	INTERLUX ULTRA	Y3669F	SHELTER ISLAND BOAT YARD	03	2020	55	2693-212-AA
SGYC	3014	99	S	36	12	LOW COPPER	INTERLUX	Y3669F	SHELTER ISLAND BOAT YARD	05	2013	55	
SGYC	3013	100	S	31.3	10.9	LOW COPPER	PETTIT TRNIDAD BLACK	1871	SAFE HARBOR/SHELTER ISLAND BOAT YARD	9	2022	55	60061-94-ZB
SGYC	3010	50	S	44	12.6	LOW COPPER	INTERLUX ULTRA	Y3449F	SHELTER ISLAND BOAT YARD	10	2018	55	2693-212-AA
SGYC	3005	95	S	32.5	11.7	LOW COPPER	WEST MARINE PCA GOLD	A411129806	KOEHLER KRAFT	04	2022	65	60061-117-ZD
SWYC	4001	85	POWER	45	14	low copper	TRINIDAD	1875	Dr SI	3	2017	70	60061-49-ZJ
SWYC	4003	98	POWER	35	11	copper	NOT LISTED ABOVE		Recently Purchased	5	2022	70	
SWYC	4005	98	POWER	22	7	low copper	INTERCLENE 245 NA	BRA570	SI	7	2017	27	2693-132-ZX
SWYC	4008	98	POWER	26	8	low copper	TRINIDAD PRO	A1088G	SI	4	2021	60	60061-94-ZB
SWYC	4010	100	POWER	22	9	low copper	ULTRA	Y3449F	KK	8	2018	55	2693-212-AA
SWYC	4011	92	OTHER	46	13	low copper	TRINIDAD SR	A1877G	Self Applied	11	2017	60	60061-94-ZD

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SWYC	4012	100	SAIL	36	12	copper	NOT LISTED ABOVE		Recently Purchased	2	2020	70	
SWYC	4013					low copper	Trinidad Pro	A1088G		12	2022	60	60061-94-ZB
SWYC	4014	92	POWER	55	15	low copper	ULTRA	Y3779F	SI	7	2021	55	2693-212-AA
SWYC	4017		OTHER	32	12								
SWYC	4018	96	SAIL	34	12	copper	TRINIDAD PRO	16471732	SI	1	2022	65	60061-49-ZM
SWYC	4025	96	POWER	37	13	low copper	TRINIDAD SR	A1277Q	SI	7	2019	60	60061-94-ZD
SWYC	4027	96	SAIL	30	11	low copper	NOT LISTED ABOVE		Dr SI	8	2014	70	
SWYC	4028					low copper	ULTRA	Y3779F	KK	10	2022	55	2693-212-AA
SWYC	4029	100	POWER	44	14	low copper	Z*SPAR THE PROTECTOR VOC HARD TYPE	B-91	KK	7	2017	65	60061-49-ZG
SWYC	4030	100	SAIL	29	8	non-biocide	NO PAINT - UNPAINTED		SI	5	2000	0	Registration NR2
SWYC	4031	100	POWER	26	8	copper	ULTRA 3559	3559	KK	4	2022	55	2693-192-ZC
SWYC	4033	98	POWER	51	16	low copper	TRINIDAD HD	1871	SI	9	2022	53	60061-64-ZD
SWYC	4034	96	SAIL	36	10	low copper	TRINIDAD SR	A1277Q	SI	10	2013	60	60061-94-ZD
SWYC	4037	98	POWER	43	14	copper	BOTTOMKOTE	10397	SI	7	2021	43	2693-12-ZA
SWYC	4038	96	SAIL	39	12	copper	PRO-LINE 1088	Y1088C-01	KK	7	2021	67	577-550-ZE
SWYC	4039	100	POWER	33	11	low copper	Z*SPAR THE PROTECTOR VOC HARD TYPE	B-94	Dr SI	7	2014	65	60061-49-ZH
SWYC	4040	100	POWER	71	19	copper	NOT LISTED ABOVE		Recently Purchased	10	2021	70	
SWYC	4041	88	POWER	52	16	low copper	ULTRA	Y3779F	MG	8	2021	55	2693-212-AA
SWYC	4045	98	SAIL	38	11	low copper	NOT LISTED ABOVE		KK	11	2007	70	
SWYC	4049	92	POWER	40	13	low copper	TRINIDAD HD	1271	SI	10	2022	53	60061-64-ZD
SWYC	4050	94	POWER	21	8	low copper	ULTRA	Y3779F	SI	6	2022	55	2693-212-AA
SWYC	4051	92	SAIL	44	13	non-biocide	CERAM-KOTE 99	99M	SI	3	2017	0	Registration NR2
SWYC	4055	96	SAIL	40	13	low copper	TRINIDAD PRO	A1088G	SI	4	2021	60	60061-94-ZB
SWYC	4058	42	SAIL	33	8	low copper	VC-OFFSHORE	V118	Self Applied	11	2020	41	2693-148-ZD
SWYC	4062	100	POWER	22	9	copper	RUST-OLEUM MARINE COATINGS	207012	SI	9	2020	46	60061-63-AA-69587
SWYC	4063	96	SAIL	30	10	low copper	ULTRA	Y3669F	SI	2	2022	55	2693-212-AA
SWYC	4064	100	POWER	29	8	low copper	NOT LISTED ABOVE		SI	3	2019	70	
SWYC	4068	100	POWER	62	19	low copper	ULTRA 3669	3669	SI	08	2018	55	2693-192-ZB
SWYC	4070	96	POWER	33	9	low copper	ULTRA-KOTE	Y3779U	Westcoast marine	7	2016	57	2693-119-ZD
SWYC	4072	100	SAIL	38	12	low copper	TRINIDAD SR	A1877G	SI	6	2021	60	60061-94-ZD
SWYC	4073	96	SAIL	32	11	copper	TRINIDAD	1275	SI	7	2020	70	60061-49-ZA
SWYC	4074	100	POWER	32	12	low copper	ULTRA-KOTE	Y3779U	SI	7	2017	57	2693-119-ZD
SWYC	4078	100	SAIL	30	10	low copper	TRINIDAD SR	A1877G	SI	7	2022	60	60061-94-ZD
SWYC	4080	100	POWER	21	7	low copper	ULTRA 3779	3779	SI	9	2018	55	2693-192-AA
SWYC	4081	100	OTHER	30	11	low copper	TRINIDAD	1875	SI	6	2019	70	60061-49-ZJ
SWYC	4082	92	SAIL	40	11	copper	SEAGUARD ABLATIVE	P30BQ12	SI	12	2021	48	10250-54-AA-577
SWYC	4085	94	SAIL	37	12	low copper	PRO-LINE 1088	Y1088C-01	SI	5	2010	67	577-550-ZE
SWYC	4088	96	POWER	58	16	low copper	TRINIDAD SR	A1277Q	SI	7	2020	60	60061-94-ZD
SWYC	4089	81	POWER	70	14	low copper	TRINIDAD SR	A1877G	SI	2	2021	60	60061-94-ZD
SWYC	4092	96	SAIL	54	15	low copper	TRINIDAD PRO	A10882	Port Annapolis, MD	4	2019	60	60061-94-ZB
SWYC	4094	92	POWER	36	12	low copper	MICRON 66	YBA473	SI	7	2019	35	2693-187-ZG
SWYC	4099	90	SAIL	34	12	low copper	Z-SPAR BOTTOM PRO GOLD	411167706	Dr SI	8	2018	65	60061-94-ZE
SWYC	4101	100	POWER	25	8	low copper	ULTRA 3669	3669	SI	9	2018	55	2693-192-ZB
SWYC	4102	98	SAIL	34	12	low copper	CALIFORNIA BOTTOMKOTE	YBA143	Dr SI	4	2021	35	2693-18-ZA
SWYC	4103	100	SAIL	27	5	copper	NOT LISTED ABOVE		SI	10	2021	70	
SWYC	4104												
SWYC	4106	88	SAIL	33	11	copper	PRO-LINE 1088	Y1088C-03	SI	2	2022	67	577-550-ZF
SWYC	4108	100	SAIL	40	12	low copper	TRINIDAD PRO	A1088G	SI	10	2019	60	60061-94-ZB
SWYC	4110	100	SAIL	30	10	low copper	TRINIDAD	1275	Dr SI	5	2008	70	60061-49-ZA
SWYC	4111	98	POWER	30	10	copper	ULTRA-KOTE	Y3669U	Self Applied	3	2021	57	2693-119-ZD
SWYC	4113	98	SAIL	51	12	low copper	ULTRA	Y3449F	SI	6	2014	55	2693-212-AA

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SWYC	4114	98	POWER	49	15	low copper	ULTRA	Y3669F	SI	6	2019	55	2693-212-AA
SWYC	4115	81	POWER	52	17	copper	NOT LISTED ABOVE		Recently Purchased	8	2021	70	
SWYC	4116	96	POWER	63	15	low copper	AF33	3345	Dr SI	6	2013	33	44891-12-AA
SWYC	4117	94	SAIL	51	11	low copper	TRINIDAD HD	1671	MG	12	2021	53	60061-64-ZD
SWYC	4119	96	POWER	37	12	copper	NOT LISTED ABOVE		Basin Marine	9	2020	70	
SWYC	4120	94	SAIL	34	11	low copper	TRINIDAD SR	A1277Q	Dr SI	10	2022	60	60061-94-ZD
SWYC	4121	25	SAIL	45	12	low copper	TRINIDAD	1275	Self Applied	10	2014	70	60061-49-ZA
SWYC	4123	88	SAIL	54	11	low copper	TRINIDAD SR	A1277Q	SI	9	2017	60	60061-94-ZD
SWYC	4124	98	POWER	36	11	low copper	ULTRA	Y3669F	SI	3	2013	55	2693-212-AA
SWYC	4125	98	SAIL	35	12	low copper	Z*SPAR THE PROTECTOR VOC HARD TYPE	B-91	Dr SI	9	2018	65	60061-49-ZG
SWYC	4126	100	SAIL	59	15	low copper	VIVID	11161	Chavez Boat Painters at Mission Bay Driscolls	1	2022	25	60061-116-AA
SWYC	4127	100	SAIL	43	14	low copper	ULTRA	Y3669F	SI	7	2021	55	2693-212-AA
SWYC	4128	98	SAIL	31	10	low copper	Z-SPAR BOTTOM PRO GOLD	41127706	KK	11	2015	65	60061-94-ZE
SWYC	4131	96	SAIL	41	12	copper	ULTRA 3559	3559	Newport harbor shipyard	3	2022	55	2693-192-ZC
SWYC	4132	100	POWER	34	13	low copper	ULTIMA SR 40	98	Seal Beach boat yard	10	2020	40	60061-117-ZB
SWYC	4133	94	SAIL	35	9	low copper	TRINIDAD HD	1871	SI	6	2020	53	60061-64-ZD
SWYC	4135	100	POWER	37	12	non-biocide	INTERSLEEK 900	FXA972/A	SI	1	2015	0	Registration NR2
SWYC	4136	100	SAIL	45	15	copper	4050 VINYL	MIL-P-15931F	SI	9	2020	67	2693-46-ZA
SWYC	4137	100	SAIL	36	12	low copper	ULTRA	Y3669F	MG	9	2019	55	2693-212-AA
SWYC	4139												60061-134-AA
SWYC	4140	98	SAIL	30	9	low copper	ULTRA	Y3669F	SI	4	2019	55	2693-212-AA
SWYC	4141	96	SAIL	34	10	low copper	TRINIDAD PRO	A10883	SI	2	2021	60	60061-94-ZB
SWYC	4142	94	SAIL	28	9	copper	Z*SPAR THE PROTECTOR VOC HARD TYPE	B-91	SI	7	2020	65	60061-49-ZG
SWYC	4144		SAIL	51	16								
SWYC	4146	81	SAIL	42	13	low copper	ULTRA	Y3779F	SI	4	2021	55	2693-212-AA
SWYC	4148	98	SAIL	31	11	copper	ULTRA 3669	3669	Dr SI	6	2020	55	2693-192-ZB
SWYC	4150	85	POWER	37	12	low copper	ULTRA 3779	3779	SI	3	2018	55	2693-192-AA
SWYC	4152	92	SAIL	46	14	low copper	TRINIDAD PRO	A10882	SI	6	2021	60	60061-94-ZB
SWYC	4154	100	SAIL	35	13	low copper	ULTRA	Y3779F	SI	7	2020	55	2693-212-AA
SWYC	4155					low copper	ULTRA		SI	1	2014	55	
SWYC	4159	96	OTHER	36	12	copper	NOT LISTED ABOVE		KK	9	2020	70	
SWYC	4162	100	POWER	23	8	low copper	PRO-LINE 1088	Y1088C-02	SI	12	2016	67	577-551-ZB
SWYC	4163	EMPTY	NO BOAT										
SWYC	4164	100	POWER	29	8	copper	PETTIT UNEPOXY TIN-FREE	1628	SI	6	2020	53	60061-64-AA
SWYC	4166	100	POWER	48	14	non-biocide	INTERSLEEK 900	FXA970/A	SI	4	2013	0	Registration NR2
SWYC	4167	100	POWER	33	11	low copper	TRINIDAD	1875	Herrington Harbour	7	2018	70	60061-49-ZJ
SWYC	4168	100	POWER	32	11	low copper	ULTRA	Y3449F	SI	1	2019	55	2693-212-AA
SWYC	4174	96	OTHER	32	12	copper	TRINIDAD	1275	SI	11	2020	70	60061-49-ZA
SWYC	4178	98	SAIL	34	11	copper	ULTRA-KOTE	Y3449U	KK	8	2020	57	2693-119-ZD
SWYC	4179	98	POWER	41	12	low copper	PETTIT UNEPOXY TIN-FREE	1628	SI	11	2019	53	60061-64-AA
SWYC	4181	96	SAIL	49	9	low copper	PRO-LINE 1088	Y1088C-01	KK	6	2019	67	577-550-ZE
SWYC	4182	94	POWER	26	9	low copper	NOT LISTED ABOVE		Recently Purchased	6	2015	70	
SWYC	4183	94	OTHER	24	9	copper	NOT LISTED ABOVE		Recently Purchased	10	2020	70	
SWYC	4184	98	POWER	48	14	copper	NOT LISTED ABOVE		SI	3	2021	70	
SWYC	4185	100	SAIL	33	8	low copper	ULTRA 3779	3779	SI	8	2018	55	2693-192-AA
SWYC	4186	100	SAIL	36	12	low copper	ULTRA	Y3669F	KK	6	2019	55	2693-212-AA
SWYC	4187	100	SAIL	29	10	low copper	ULTRA	Y3669F	SI	6	2015	55	2693-212-AA
SWYC	4190	100	SAIL	33	11	copper	TRINIDAD	1275	SI	10	2020	70	60061-49-ZA
SWYC	4191	90	POWER	28	9	copper	NOT LISTED ABOVE		Recently Purchased	7	2021	70	
SWYC	4192	96	POWER	36	13	low copper	ULTRA 3669	3669	SI	8	2018	55	2693-192-ZB
SWYC	4193	94	SAIL	50	13	low copper	VIVID	11161	SI	9	2018	25	60061-116-AA

Facility	Slip/Mooring Reference Number	Percent of Time Occupied	Vessel Type (Power or Sail)	Vessel Length	Vessel Beam	Paint Type Copper, Low or Non	Paint Product Name	Product Number	Boatyard Name or Purchase Date	Painting Date Month (mm)	Painting Date Year (yyyy)	% Copper	Category 1 reg #
SWYC	4195	96	SAIL	44	11	copper	NOT LISTED ABOVE		Recently Purchased			70	
SWYC	4196	92	OTHER	42	12	copper	NOT LISTED ABOVE		Recently Purchased	12	2020	70	
SWYC	4198	100	SAIL	31	9	low copper	ULTRA	Y3449F	SI	1	2021	55	2693-212-AA
SWYC	4199	98	POWER	58	16	low copper	ULTRA 3779	3779	SI	7	2018	55	2693-192-AA
SWYC	4200		POWER	41	11								
SWYC	4205	98	SAIL	35	10	copper	Z*SPAR THE PROTECTOR VOC HARD TYPE	B-91	Dr SI	2	2020	65	60061-49-ZG
SWYC	4206	94	SAIL	38	12	low copper	TRINIDAD SR	A1877G	SI	1	2021	60	60061-94-ZD
SWYC	4207	98	POWER	13	9	low copper	VIVID	11161	Self Applied	11	2021	25	60061-116-AA
SWYC	4212	100	POWER	32	10	copper	TRINIDAD	1875	SI	3	2022	70	60061-49-ZJ
SWYC	4215	96	POWER	35	12	copper	ULTRA-KOTE	Y3669U	Dr MB	4	2020	57	2693-119-ZD
SWYC	4216	98	SAIL	42	13	copper	ULTRA 3449	3449	Dr SI	7	2021	55	2693-192-ZA
SWYC	4217	90	SAIL	34	11	copper	PRO-LINE 1088	Y1088C-01	SI	2	2020	67	577-550-ZE
SWYC	4221	88	POWER	41	13	low copper	ULTRA-KOTE	Y3779U	Balboa Boat Yard-Newport Beach	10	2018	57	2693-119-ZD
SWYC	4224	100	SAIL	40	12	copper	NOT LISTED ABOVE			6	2022	70	
SWYC	4225	96	SAIL	24	8	copper	TRINIDAD	1675	SI	3	2021	70	60061-50-ZA
SWYC	4226	98	SAIL	49	14	low copper	ULTRA 3779	3779	SI	1	2019	55	2693-192-AA
SWYC	4228	100	SAIL	27	10	low copper	Z-SPAR BOTTOM PRO GOLD	41127706	Dr SI	12	2018	65	60061-94-ZE
SWYC	4229	92	POWER	57	17	low copper	TROPIKOTE	2145GL	Baja Naval ensenada Bc mx	10	2019	76	44891-10-AA
SWYC	4230	100	SAIL	33	11	low copper	Z-SPAR BOTTOM PRO GOLD	411187706	Dr SI	11	2018	65	60061-94-ZE
SWYC	4231	100	POWER	37	12	low copper	ULTRA 3669	3669	SI	10	2018	55	2693-192-ZB
SWYC	4233	94	SAIL	36	12	non-biocide	INTERSLEEK 900	FXA979/A	SI	8	2013	0	Registration NR2
SWYC	4234					low copper	Z-SPAR BOTTOM PRO GOLD		SI	1	2018	65	
SWYC	4237	98	SAIL	34	11	low copper	TRINIDAD PRO	A10882	SI	10	2019	60	60061-94-ZB
SWYC	4238	100	POWER	35	12	low copper	ULTRA	Y3449F	SI	4	2016	55	2693-212-AA
SWYC	4239	94	OTHER	36	13	copper	ULTRA-KOTE	Y3779U	SI	8	2021	57	2693-119-ZD
SWYC	4240	100	SAIL	36	13	copper	PETTIT UNEPOXY TIN-FREE	1228	SI	3	2020	53	60061-63-AA
SWYC	4244	96	SAIL	42	14	low copper	Z-SPAR BOTTOM PRO GOLD	41127706	Dr SI	6	2019	65	60061-94-ZE
SWYC	4245	98	POWER	13	6	low copper	NOT LISTED ABOVE		Recently Purchased	6	2019	70	
SWYC	4247	98	POWER	14	7	low copper	TRILUX 33	YBA063	KK	3	2022	17	2693-203-ZB
SWYC	4248	96	POWER	42	13	low copper	ULTRA	Y3449F	Dr SI	1	2021	55	2693-212-AA
SWYC	4250	88	OTHER	31	10	low copper	TRINIDAD SR	A1688G	SI	1	2020	60	60061-94-ZD
SWYC	4251	92	SAIL	30	10	low copper	TRINIDAD HD	1871	SI	1	2022	53	60061-64-ZD
SWYC	4253	100	POWER	41	13	low copper	NOT LISTED ABOVE		Dr SI	3	2019	70	
SWYC	4254	90	POWER	36	13	copper	ULTRA 3779	3779	SI	10	2020	55	2693-192-AA
SWYC	4256	100	SAIL	38	12	low copper	ULTRA	Y3669F	SI	4	2010	55	2693-212-AA
SWYC	4257	85	POWER	31	9	copper	PRO-LINE 1088	Y1088C-01	SI	3	2021	67	577-550-ZE
SWYC	4259	96	POWER	54	15	low copper	TRINIDAD HD	1271	SI	8	2019	53	60061-64-ZD
SWYC	4265	94	POWER	34	9	copper	PETTIT UNEPOXY TIN-FREE	1228	SI	3	2021	33	60061-63-AA
SWYC	4266	92	POWER	31	9	low copper	TRINIDAD HD	1871	SI	9	2021	53	60061-64-ZD
SWYC	4267	EMPTY	NO BOAT										
SWYC	4270	94	SAIL	37	12	copper	TRINIDAD	1275	SI	2	2020	70	60061-49-ZA
SWYC	4272	100	SAIL	32	8	low copper	TRINIDAD PRO	A1088G	SI	11	2020	60	60061-94-ZB
SWYC	4277	98	SAIL	33	11	low copper	ULTRA-KOTE 2669N	2669N	MG	3	2018	67	2693-135-ZF
SWYC	4278	88	POWER	43	15	copper	PETTIT UNEPOXY TIN-FREE	1228	SI	11	2020	33	60061-63-AA
SWYC	4279	100	POWER	27	9	low copper	TRINIDAD HD	1871	SI	6	2020	53	60061-64-ZD
SWYC	4281	100	SAIL	34	11	low copper	PRO-LINE 1088	Y1088C-01	KC	9	2010	67	577-550-ZE
SWYC	4286	96	SAIL	38	12	low copper	ULTRA	Y3779F	SI	6	2020	55	2693-212-AA
SWYC	4288	94	POWER	62	17	copper	ULTRA 3779	3779	Dr MB	7	2020	55	2693-192-AA
SWYC	4292	92	SAIL	34	11	low copper	Z-SPAR BOTTOM PRO GOLD	411187706	SI	1	2021	65	60061-94-ZE
SWYC	4293	100	SAIL	34	11	low copper	ULTRA 3449	3449	SI	7	2018	55	2693-192-ZA
SWYC	4294	87	SAIL	31	10	copper	TRINIDAD	1275	SI	6	2020	70	60061-49-ZA

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SWYC	4296	100	OTHER	29	9	low copper	TRILUX 33	YBA063	Kulick Rpair	5	2016	17	2693-203-ZB
SWYC	4297		DINGY	9	1								
SWYC	4298	96	POWER	24	9	low copper	BOTTOMKOTE NT	YBB379	Dr SI	7	2017	25	2693-228-AA
SWYC	4299	100	SAIL	36	9	copper	ULTRA-KOTE	Y3669U	Dr SI	11	2022	57	2693-119-ZD
SWYC	4302	98	POWER	0	0	low copper	AQUAGARD WATERBASE	10107	Self Applied	4	2022	26	9339-19-AA-70383
SWYC	4304												
SWYC	4306	90	SAIL	38	11	low copper	TRILUX 33 ANTIFOULING YBA060/1	YBA060/1	H&H Marine	7	2021	7	
SWYC	4308	94	POWER	30	11	copper	TRINIDAD PRO	16471757	SI	3	2021	65	60061-49-ZM
SWYC	4309	96	POWER	48	15	low copper	ULTRA	Y3779F	SI	2	2018	55	2693-212-AA
SWYC	4312	94	SAIL	34	11	low copper	PROGUARD ABLATIVE	NAU992	SI	7	2015	42	2693-142-ZQ
SWYC	4315	92	POWER	40	13	low copper	ULTRA 3779	3779	SI	7	2018	55	2693-192-AA
SWYC	4316	98	SAIL	38	11	low copper	TRINIDAD SR	A1688G	SI	7	2020	60	60061-94-ZD
SWYC	4317	92	POWER	40	13	low copper	ULTRA	Y3669F	SI	10	2018	55	2693-212-AA
SWYC	4320	98	SAIL	29	8	low copper	ULTRA	Y3669F	SI	7	2016	55	2693-212-AA
SWYC	4321		SAIL	33	10								
SWYC	4323	90	POWER	49	15	low copper	ULTRA 3779	3779	SI	6	2018	55	2693-192-AA
SWYC	4324	96	SAIL	27	9	low copper	ULTRA 3669	3669	SI	3	2019	55	2693-192-ZB
SWYC	4327	100	POWER	37	12	low copper	NOT LISTED ABOVE		Recently Purchased	10	2017	70	
SWYC	4331	77	POWER	37	10	low copper	AF33	3345	SI	10	2021	33	44891-12-AA
SWYC	4333	96	SAIL	31	11	copper	PETTIT UNEPOXY TIN-FREE	1228	SI	4	2021	33	60061-63-AA
SWYC	4337	87	POWER	53	13	low copper	Z-SPAR BOTTOM PRO GOLD	411167706	Ventura Harbor Boatyard	9	2020	65	60061-94-ZE
SWYC	4339	92	SAIL	42	13	low copper	PETTIT UNEPOXY TIN-FREE	1628	Dr MB	10	2012	53	60061-64-AA
SWYC	4342	98	SAIL	47	13	low copper	ULTRA	Y3669F	KK	4	2015	55	2693-212-AA
SWYC	4343	100	SAIL	20	5	copper							
SWYC	4344	96	POWER	36	11	low copper	TRINIDAD HD	1871	Recently Purchased	11	2021	53	60061-64-ZD
SWYC	4347	92	POWER	38	13	copper	NOT LISTED ABOVE		Dr SI	2	2022	70	
SWYC	4352	EMPTY	NO BOAT										
SWYC	4354	96	SAIL	35	11	copper	PETTIT UNEPOXY TIN-FREE	1228	SI	11	2020	33	60061-63-AA
SWYC	4355	96	SAIL	37	12	copper	Z*SPAR THE PROTECTOR VOC HARD TYPE	B-91	KK	11	2020	65	60061-49-ZG
SWYC	4356	98	POWER	62	16	low copper	TRINIDAD VOC	1878	KK	4	2015	65	60061-49-ZF
SWYC	4357	100	SAIL	37	12	low copper	ULTRA-KOTE	Y3669U	SI	8	2016	57	2693-119-ZD
SWYC	4358	75	SAIL	29	8	copper	NOT LISTED ABOVE		Recently Purchased	10	2021	70	
SWYC	4359	100	POWER	39	13	low copper	TRINIDAD SR	A1277Q	SI	10	2021	60	60061-94-ZD
SWYC	4360		POWER	24	0								
SWYC	4361	100	SAIL	50	13	low copper	ULTRA	Y3779F	SI	11	2016	55	2693-212-AA
SWYC	4362	100	POWER	38	12	low copper	PRO-LINE COMMERCIAL MARINE FINISHES VINYL	1088C-01	SI	12	2018	67	577-550-ZJ
SWYC	4363	100	SAIL	45	12	low copper	ULTRA	Y3669F	SI	2	2018	55	2693-212-AA
SWYC	4364	96	SAIL	34	11	low copper	ULTRA 3669	3669	SI	6	2016	55	2693-192-ZB
SWYC	4367		POWER	48	16								
SWYC	4368	96	POWER	28	10	copper	PROGUARD ABLATIVE	NAU993	Self Applied	8	2022	42	2693-142-ZR
SWYC	4369	100	POWER	34	11	low copper	ULTRA	Y3669F	SI	4	2022	55	2693-212-AA
SWYC	4370	98	SAIL	33	6	low copper	TRINIDAD HD	1271	SI	4	2021	53	60061-64-ZD
SWYC	4371	94	SAIL	40	11	low copper	BLACK WIDOW ULTRA-SLICK RACING	1869	Dr SI	9	2022	25	60061-116-ZA
SWYC	4372	94	SAIL	25	9	low copper	BLACK WIDOW ULTRA-SLICK RACING	1869	Self Applied	3	2022	25	60061-116-ZA
SWYC	4373	100	POWER	38	9	copper	OLYMPIC HI	76600-19990	Recently Purchased	4	2022	49	10250-54-ZA
SWYC	4374	100	POWER	48	16	low copper	PRO-LINE 1088	Y1088C-01	SI	5	2015	67	577-550-ZE
SWYC	4376	98	SAIL	51	14	low copper	ULTRA	Y3669F	SI	6	2018	55	2693-212-AA
SWYC	4380	100	SAIL	20	8	low copper	ULTRA	Y3669F	Self Applied	2	2011	55	2693-212-AA
SWYC	4383	94	POWER	41	14	low copper	SEAGUARD ABLATIVE	P30BQ12	Delta Boat Works. Isleton, Ca	7	2018	48	10250-54-AA-577
SWYC	4384	96	SAIL	34	1	low copper	ULTRA	Y3669F	Dr SI	5	2021	55	2693-212-AA
SWYC	4386	87	POWER	25	7	low copper	INTERSPEED 6400NA	BQA679/5GL	SI	9	2018	38	2693-132-ZY

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SWYC	4387	96	POWER	24	8	low copper	ULTRA-KOTE 2779N	2779N	MG	7	2018	67	2693-135-ZH
SWYC	4389	100	POWER	26	9	low copper	TRINIDAD PRO	16471732	SI	6	2019	65	60061-49-ZM
SWYC	4390	87	POWER	38	13	low copper	ULTRA 3669	3669	SI	6	2014	55	2693-192-ZB
SWYC	4391	100	OTHER	43	12	low copper	PETTIT UNEPOXY TIN-FREE	1628	Self Applied	1	2018	53	60061-64-AA
SWYC	4393	96	SAIL	33	12	low copper	TRINIDAD	1875	SI	11	2019	70	60061-49-ZJ
SWYC	4395	98	POWER	46	14	copper	NOT LISTED ABOVE		SI	6	2022	70	
SWYC	4397	100	POWER	39	12	copper	PETTIT UNEPOXY TIN-FREE	1228	SI	8	2020	33	60061-63-AA
SWYC	4401	88	POWER	36	10	low copper	ULTRA	Y3779F	H&H Marine Services	3	2020	55	2693-212-AA
SWYC	4402	100	POWER	22	10	low copper	CALIFORNIA BOTTOMKOTE	YBA143	Dr SI	7	2021	35	2693-18-ZA
SWYC	4403	88	POWER	23	7	copper	TRINIDAD VOC	1878	SI	3	2020	65	60061-49-ZF
SWYC	4404	94	SAIL	41	13	copper	TRINIDAD	1875	SI	2	2020	70	60061-49-ZJ
SWYC	4405	100	POWER	30	11	non-biocide	INTERSLEEK 900	FXA970/A	SI	1	2013	0	Registration NR2
SWYC	4407	100	SAIL	40	13	low copper	ULTRA-KOTE	Y3669U	SI	7	2016	57	2693-119-ZD
SWYC	4410					low copper	Pettit Hydrocoat	1640		6	2021	40	60061-87-ZL
SWYC	4411	100	SAIL	32	10	low copper	ULTRA-KOTE	Y3669U	SI	6	2018	57	2693-119-ZD
SWYC	4413	98	SAIL	35	11	low copper	Z*SPAR THE PROTECTOR VOC HARD TYPE	B-94	Dr SI	5	2018	65	60061-49-ZH
SWYC	4416	100	POWER	39	13	low copper	ULTRA	Y3779F	SI	12	2017	55	2693-212-AA
SWYC	4417	96	POWER	47	17	low copper	ULTRA	Y3779F	SI	8	2018	55	2693-212-AA
SWYC	4419	98	POWER	30	9	low copper	ULTRA	Y3779F	SI	1	2014	55	2693-212-AA
SWYC	4424	98	SAIL	35	12	low copper	TRINIDAD HD	1871	SI	6	2022	53	60061-64-ZD
SWYC	4425	90	SAIL	37	12	low copper	TRINIDAD PRO	A10882	SI	9	2021	60	60061-94-ZB
SWYC	4427	100	SAIL	22	0	copper	ULTRA 3669	3669	KK	1	2021	55	2693-192-ZB
SWYC	4431	96	POWER	35	10	low copper	ULTRA	Y3449F	Dr MB	10	2020	55	2693-212-AA
SWYC	4432	71	POWER	22	9	low copper	BLACK WIDOW ULTRA-SLICK RACING	1869	SI	3	2021	25	60061-116-ZA
SWYC	4436	98	SAIL	31	10	low copper	TRILUX 33 ANTIFOULING YBA060/1	YBA060/1	SI	9	2022	7	2693-226-AA
SWYC	4438	96	POWER	38	13	low copper	ULTRA	Y3779F	SI	2	2014	55	2693-212-AA
SWYC	4439	92	SAIL	58	20	low copper	PRO-LINE 1088	Y1088C-01	SI	4	2018	67	577-550-ZE
SWYC	4440	96	SAIL	36	12	copper	TRINIDAD	1275	SI	5	2020	70	60061-49-ZA
SWYC	4441	77	SAIL	36	12	low copper	ULTRA	Y3669F	MG	5	2020	55	2693-212-AA
SWYC	4449	96	OTHER	30	11	low copper	TRINIDAD HD	1871	SI	11	2021	53	60061-64-ZD
SWYC	4450	100	POWER	34	11	low copper	ULTRA 3669	3669	SI	5	2019	55	2693-192-ZB
SWYC	4451	85	OTHER	44	13	low copper	TRINIDAD SR	A1877G	Dr SI	9	2021	60	60061-94-ZD
SWYC	4452	94	SAIL	39	12	copper	TRINIDAD	1675	guymas boat yard workers	9	2021	70	60061-50-ZA
SWYC	4453	96	POWER	32	13	low copper	TRINIDAD PRO	A10883	SI	7	2021	60	60061-94-ZB
SWYC	4454	100	POWER	33	10				Recently Purchased	10	2016		
SWYC	4455	85	SAIL	41	13	copper	TRINIDAD PRO	16471732	SI	11	2020	65	60061-49-ZM
SWYC	4456	100	POWER	24	11	copper			Recently Purchased	8	2016		
SWYC	4457	100	SAIL	39	11	low copper	ULTRA	Y3779F	SI	6	2016	55	2693-212-AA
SWYC	4458	100	SAIL	38	12	copper	ULTRA-KOTE	Y3779U	Dr SI	2	2022	57	2693-119-ZD
SWYC	4459	98	SAIL	44	12	low copper	Z*SPAR THE PROTECTOR VOC HARD TYPE	B-91	KK	7	2017	65	60061-49-ZG
SWYC	4460		POWER			low copper			SI	2	2018		
SWYC	4461	85	POWER	48	15	copper	NOT LISTED ABOVE		Recently Purchased	2	2022	70	
SWYC	4462	100	POWER	47	15	low copper	TRI-LUX III WITH BIO-LUX 5490	5490	SI		2020	23	2693-181-AA
SWYC	4463	100	POWER	36	12	low copper	PRO-LINE 1088	Y1088C-01	MG	7	2016	67	577-550-ZE
SWYC	4464	94	SAIL	30	11	low copper	ULTRA	Y3669F	SI	2	2022	55	2693-212-AA
SWYC	4465	100	SAIL	34	11	low copper	Z-SPAR BOTTOM PRO GOLD	41127706	Dr SI	2	2020	65	60061-94-ZE
SWYC	4466	92	SAIL	43	13	low copper	ULTRA	Y3779F	SI	6	2018	55	2693-212-AA
SWYC	4467	EMPTY	NO BOAT										
SWYC	4468	100	OTHER	43	14	low copper	Z-SPAR BOTTOM PRO GOLD	411187706	Dr SI	9	2014	65	60061-94-ZE
SWYC	4469	98	POWER	28	9	low copper	TRINIDAD VOC	1278	SI	5	2019	65	60061-49-ZD
SWYC	4470	100	SAIL	41	12	low copper	TRINIDAD PRO	A10882	SI	3	2020	60	60061-94-ZB

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SWYC	4471	96	POWER	41	13	copper	NOT LISTED ABOVE		SI	11	2020	70	
SWYC	4472	100	SAIL	31	11	low copper	ULTRA	Y3779F	SI	6	2021	55	2693-212-AA
SWYC	4473	100	OTHER	22	8	non-biocide	MISSION BAY 4000 SERIES	4010	Inflatable Boat Specialties in Newport Beach	4	2020	0	44891-16-AA
SWYC	4474	100	POWER	32	10	low copper	ULTRA	Y3669F	Dr MB	8	2020	55	2693-212-AA
SWYC	4476		POWER	25	9								
SWYC	4477	98	POWER	31	9	copper	PETTIT UNEPOXY TIN-FREE	1228	Marine Max - Skipper Buds Northpoint IL	9	2021	33	60061-63-AA
SWYC	4478	100	SAIL	25	9	low copper	Z-SPAR BOTTOM PRO GOLD	41127706	Dr SI	6	2015	65	60061-94-ZE
SWYC	4479	100	OTHER	30	11	low copper	ULTRA 3779	3779	SI	9	2019	55	2693-192-AA
SWYC	4480	100	POWER	11	5	low copper	EPOXYCOP	NK52	SI	2	2019	33	2693-70-ZA
SWYC	4481	98	POWER	39	14	low copper	ULTRA	Y3669F	KK	5	2014	55	2693-212-AA
SWYC	4482	98	SAIL	43	14	low copper	ULTRA	Y3669F	KK	8	2022	55	2693-212-AA
SWYC	4483	100	SAIL	32	11	low copper	Z-SPAR BOTTOM PRO GOLD	411187706	Dr SI	10	2019	65	60061-94-ZE
SWYC	4484	85	SAIL	48	13	low copper	TRINIDAD HD	1271	Safe Harbor	3	2022	53	60061-64-ZD
SWYC	4485	98	POWER	32	9	low copper	ULTRA	Y3779F	KK	4	2022	55	2693-212-AA
SWYC	4486	81	SAIL	36	12	low copper	ULTRA	Y3669F	SI	10	2021	55	2693-212-AA
SWYC	4487	94	POWER	35	13	low copper	TRINIDAD HD	1271	SI	8	2020	53	60061-64-ZD
SWYC	4488	100	SAIL	40	13	low copper	PRO-LINE 1088	Y1088C-02	MG	5	2017	67	577-551-ZB
SWYC	4489	92	SAIL	33	11	low copper	ULTRA	Y3669F	SI	10	2020	55	2693-212-AA
SWYC	4490	98	SAIL	31	11	low copper	ULTRA	Y3669F	SI	10	2014	55	2693-212-AA
SWYC	4491	92	OTHER	37	11	low copper	VIVID	11161	Self Applied	2	2020	25	60061-116-AA
SWYC	4492	98	SAIL	30	12	low copper	TRINIDAD PRO	A10882	SI	10	2019	60	60061-94-ZB
SWYC	4493	90	SAIL	43	13	low copper	Z*SPAR THE PROTECTOR VOC HARD TYPE	B-94	Dr SI	5	2019	65	60061-49-ZH
SWYC	4494	100	SAIL	49	13	low copper	PRO-LINE 1088	Y1088C-02	SI	11	2018	67	577-551-ZB
SWYC	4495	96	SAIL	31	9	low copper	ULTRA	Y3779F	SI	9	2021	55	2693-212-AA
SWYC	4496	98	SAIL	41	12	low copper	ULTRA	Y3669F	SI	8	2019	55	2693-212-AA
SWYC	4497	85	POWER	22	8	copper	NOT LISTED ABOVE		Recently Purchased	4	2021	70	
SWYC	4498	100	SAIL	41	14	copper	TRINIDAD SR 1877GA	1877GA	SI	7	2020	65	60061-49-ZN
SWYC	4499	98	SAIL	43	12	low copper	TRINIDAD PRO	A1088G	SI	7	2019	60	60061-94-ZB
SWYC	4500	100	SAIL	25	8	low copper	NOT LISTED ABOVE		Recently Purchased	10	2019	70	
SWYC	4501	EMPTY	NO BOAT										
SWYC	4502	98	OTHER	33	11	low copper	NOT LISTED ABOVE		Recently Purchased	12	2015	70	
SWYC	4503	98	POWER	44	14	copper	ULTRA 3779	3779	Recently Purchased	10	2020	55	2693-192-AA
SWYC	4504	85	SAIL	47	14	low copper	MICRON EXTRA	5690	Recently Purchased	5	2022	35	2693-190-ZF
SWYC	4505	100	POWER	30	8	copper	TRINIDAD	1275	SI	7	2021	70	60061-49-ZA
SWYC	4506	98	SAIL	40	13	copper	ULTRA 3669	3669	Dr SI	3	2021	55	2693-192-ZB
SWYC	4507	96	SAIL	30	11	low copper	ULTRA	Y3669F	SI	8	2022	55	2693-212-AA
SWYC	4508	98	SAIL	33	9	copper	ULTRA-KOTE	Y3779U	KK	10	2022	57	2693-119-ZD
SWYC	4509	100	SAIL	36	12	low copper	WEST MARINE PCA GOLD! ABLATIVE	A411129806	SI	6	2020	48	60061-101-ZB
SWYC	4510	50	SAIL	25	9	low copper	MICRON CSC	5584G	Self Applied	10	2019	37	2693-132-ZV
SWYC	4511	100	SAIL	34	11	low copper	ULTRA-KOTE 2779N	2779N	Cruising Yachts	6	2016	67	2693-135-ZH
SWYC	4512	100	POWER	42	14	low copper	ULTRA	Y3779F	SI	1	2021	55	2693-212-AA
SWYC	4513	98	POWER	41	12	low copper	ULTRA	Y3779F	SI	7	2020	55	2693-212-AA
SWYC	4515	100	POWER	42	14	copper	TRINIDAD	1275	SI	1	2021	70	60061-49-ZA
SWYC	4516	100	OTHER	46	14	low copper	NOT LISTED ABOVE		Recently Purchased	12	2019	70	
SWYC	4517	100	SAIL	41	12	low copper	MICRON 66	YBA473	SI	9	2020	35	2693-187-ZG
SWYC	4518	100	POWER	36	11	copper	NOT LISTED ABOVE		Baja Naval	9	2022	70	
SWYC	4519	92	SAIL	35	11	low copper	PROGUARD ABLATIVE	NAU993	KK	10	2018	42	2693-142-ZR
SWYC	4520					low copper	PRO-LINE 1088		Legacy Marine	12	2022		
SWYC	4521	96	SAIL	34	12	low copper	ULTRA	Y3779F	Dr SI	6	2022	55	2693-212-AA
SWYC	4522	98	SAIL	35	10	low copper	PRO-LINE COMMERCIAL MARINE FINISHES VINYL	1088C-02	Recently Purchased	7	2018	56	577-551-ZC
SWYC	4523	92	SAIL	32	8	low copper	VIVID	1861	SI	3	2022	25	60061-116-AA

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SWYC	4524	92	POWER	47	14	copper	NOT LISTED ABOVE		SI	6	2020	70	
SWYC	4525	98	OTHER	31	11	low copper	CALIFORNIA BOTTOMKOTE	YBA143	Dr SI	7	2022	35	2693-18-ZA
SWYC	4526	96	SAIL	35	10	low copper	TRILUX 33	YBA060	NB	1	2020	17	2693-203-AA
SWYC	4527	96	OTHER	23	8	low copper	CALIFORNIA BOTTOMKOTE	YBA143	SI	8	2017	35	2693-18-ZA
SWYC	4528	98	POWER	41	13	low copper	TRINIDAD HD	1271	SI	2	2022	53	60061-64-ZD
SWYC	4530	98	POWER	48	14	low copper	ULTRA	Y3669F	KK	1	2016	55	2693-212-AA
SWYC	4531	90	SAIL	34	11	copper	TRINIDAD	1275	SI	7	2021	70	60061-49-ZA
SWYC	4532	98	POWER	43	13	low copper	PRO-LINE 1088	Y1088C-01	SI	5	2018	67	577-550-ZE
SWYC	4533	EMPTY	NO BOAT										
SWYC	4534	96	POWER	46	15	low copper	BOTTOMKOTE CLASSIC	YBB669G	KK	6	2015	35	2693-18-ZB
SWYC	4535	100	POWER	35	10	copper			Recently Purchased				
SWYC	4536	96	SAIL	37	12	low copper	TRINIDAD PRO	A1088G	SI	12	2019	60	60061-94-ZB
SWYC	4537	29	POWER	44	13	copper	PETTIT UNEPOXY TIN-FREE	1628	SI	4	2021	53	60061-64-AA
SWYC	4538	62	SAIL	40	12	low copper	TRINIDAD HD	1871	SI	12	2021	53	60061-64-ZD
SWYC	4539	96	POWER	30	10	low copper	ULTRA 3669	3669	SI	5	2018	55	2693-192-ZB
SWYC	4540	100	SAIL	30	9	low copper	PETTIT UNEPOXY TIN-FREE	1628	Self Applied	1	2018	53	60061-64-AA
SWYC	4541	98	SAIL	31	10	low copper	TRINIDAD HD	1271	SI	8	2022	53	60061-64-ZD
SWYC	4542	85	POWER	44	14	low copper	TRINIDAD SR	A1277Q	Self Applied	11	2017	60	60061-94-ZD
SWYC	4543		POWER	29	10								
SWYC	4544	100	SAIL	33	11	copper	PETTIT UNEPOXY TIN-FREE	1628	SI	5	2021	53	60061-64-AA
SWYC	4545	98	SAIL	35	11	non-biocide	SHELTER ISLAND PLUS	8204	SI	3	2022	0	
SWYC	4546	94	POWER	43	13	copper	ULTRA 3779	3779	SI	4	2021	55	2693-192-AA
SWYC	4547	60	SAIL	24	10	low copper	NOT LISTED ABOVE		Self Applied	1	2016	70	
SWYC	4548												
SWYC	4549	EMPTY	NO BOAT										
SWYC	4550	92	OTHER	34	11	low copper	BLACK WIDOW ULTRA-SLICK RACING	1869	Diversified Composites Long Beach	4	2021	25	60061-116-ZA
SWYC	4551	98	OTHER	22	8	low copper	ULTRA 3449	3449	SI	6	2019	55	2693-192-ZA
SWYC	4552	94	SAIL	38	12	copper	ULTRA 3669	3669	SI	4	2022	55	2693-192-ZB
SWYC	4553	92	POWER	33	13	copper	PRO-LINE 1088	Y1088C-02	SI	1	2022	67	577-551-ZB
SWYC	4554	100	SAIL	35	10	low copper	Z-SPAR BOTTOM PRO GOLD	41127706	Dr SI	1	2021	65	60061-94-ZE
SWYC	4555	100	SAIL	56	16	low copper	ULTRA-KOTE	Y3449U	SI	2	2017	57	2693-119-ZD
SWYC	4556	96	SAIL	34	11	non-biocide	CERAM-KOTE 99	99M	Dr SI	5	2021	0	Registration NR2
SWYC	4557	100	POWER	24	8	low copper	PRO-LINE 1088	Y1088C-02	SI	4	2019	67	577-551-ZB
SWYC	4558	98	SAIL	33	11	low copper	ACT WITH SLIME FIGHTER	7790b	Dr SI	4	2017	30	2693-227-AA
SWYC	4559	100	POWER	33	10	copper	NOT LISTED ABOVE		SI	5	2021	70	
SWYC	4560	88	SAIL	44	13	low copper	ULTRA	Y3779F	SI	1	2018	55	2693-212-AA
SWYC	4561	96	POWER	39	11	copper	TRINIDAD	1275	SI	1	2021	70	60061-49-ZA
SWYC	4562		SAIL	47	14								
SWYC	4563												
SWYC	4564	EMPTY	NO BOAT										
SWYC	4565	94	POWER	37	12	copper	TRINIDAD PRO	A1108206	SI	2	2020	65	60061-49-ZM
SWYC	4567	100	POWER	32	10	low copper	ULTRA-KOTE	Y3779U	SI	5	2016	57	2693-119-ZD
SWYC	4568	98	SAIL	30	11	low copper	ULTRA	Y3669F	SI	7	2020	55	2693-212-AA
SWYC	4569	100	SAIL	33	11	low copper	Z-SPAR BOTTOM PRO GOLD	411187706	Dr SI	6	2019	65	60061-94-ZE
SWYC	4570	88	POWER	40	13	copper	PRO-LINE 1088	Y1088C-02	SI	7	2021	67	577-551-ZB
SWYC	4571	100	POWER	31	9	non-biocide	PCM MARINE-RC		NB	11	2017	0	Registration NR2
SWYC	4572	98	POWER	34	12	copper	NOT LISTED ABOVE		Recently Purchased	2	2022	70	
SWYC	4573		POWER	24	0								
SWYC	4574	88	POWER	46	15	zinc	VIVID FREE	1862	SI	3	2019	0	60061-118-ZA
SWYC	4576	85	POWER	44	14	low copper	BOTTOMKOTE ACT WITH IRGAROL	6690B	Dr SI	8	2011	30	2693-209-AA
SWYC	4577	100	SAIL	35	12	low copper	ULTRA-KOTE 2669N	2669N	SI	4	2017	67	2693-135-ZF

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SWYC	4578	92	SAIL	37	12	low copper	ULTRA	Y3779F	SI	5	2018	55	2693-212-AA
SWYC	4579	96	SAIL	38	13	low copper	TRINIDAD HD	1871	SI	4	2021	53	60061-64-ZD
SWYC	4580	98	SAIL	43	14	copper	TRINIDAD	1275	SI	1	2020	70	60061-49-ZA
SWYC	4581	96	OTHER	27	9	copper	AWLGRIP AWLSTAR GOLD LABEL	BP201	Dr SI	12	2022	40	41750-1-ZE
SWYC	4582	100	POWER	37	11	low copper	TRINIDAD HD	1671	SI	3	2022	53	60061-64-ZD
SWYC	4583	92	POWER	41	13	copper	ULTRA-KOTE	Y3669U	SI	11	2020	57	2693-119-ZD
SWYC	4584	98	POWER	40	13	low copper	TRINIDAD HD	1271	SI	4	2021	53	60061-64-ZD
SWYC	4585	98	SAIL	27	8	low copper	PRO-LINE 1088	Y1088C-03	SI	5	2010	67	577-550-ZF
SWYC	4586	81	POWER	42	14	low copper	ULTRA	Y3669F	SI	2	2017	55	2693-212-AA
SWYC	4587	88	SAIL	34	11	low copper	Z*SPAR THE PROTECTOR VOC HARD TYPE	B-94	SI	11	2019	65	60061-49-ZH
SWYC	4588	100	SAIL	35	11	copper	NOT LISTED ABOVE		Dr SI	6	2022	70	
SWYC	4589	98	POWER	38	14	low copper	ULTRA	Y3669F	SI	2	2022	55	2693-212-AA
SWYC	4590	92	SAIL	41	14	low copper	PRO-LINE 1088	Y1088C-01	SI	9	2019	67	577-550-ZE
SWYC	4591	98	POWER	41	14	low copper	ULTRA 3669	3669	SI	4	2019	55	2693-192-ZB
SWYC	4592	100	POWER	34	12	copper	NOT LISTED ABOVE		Recently Purchased	9	2020	70	
SWYC	4593	94	POWER	45	14	copper	ULTRA-KOTE	Y3669U	SI	12	2021	57	2693-119-ZD
SWYC	4594	94	SAIL	33	10	copper	PRO-LINE 1088	Y1088C-03	Self Applied	7	2018	67	577-550-ZF
SWYC	4595	EMPTY	NO BOAT										
SWYC	4596	96	SAIL	47	11	copper	TRINIDAD VOC	1278	Safe Harbor	10	2021	65	60061-49-ZD
SWYC	4597	98	SAIL	26	7	low copper	HYDROCOAT ABLATIVE	1640	KK	6	2021	40	60061-87-ZL
SWYC	4598	92	SAIL	40	13	copper	TRINIDAD PRO	A1108206	SI	2	2022	65	60061-49-ZM
SWYC	4599		SAIL	30	8								
LPYC	11001	100	Power	43	13'4"	Low Copper	Trinidad Pro	A1088G	Driscolls	Aug	2020	60	60061-94-ZB
LPYC	11002	100	Power	14	6	Non	no paint					0	
LPYC	11003	100	Power	22	7	Low Copper			Koehler Kraft	Jun	2012	67	
LPYC	11004	vacant											
SIM	6588		S	33	11	Low	Pettit Trinidad	1871	SIBY	8	2020	55	60061-64-ZD
SIM	6585					Copper	International 6800 HS red	BMA689	Seahorse Marine	5	2020	50	
SIM	6584		P	13.9	6.3	Low	Pettit	1271	Dinghy Doctor	9	2019	55	60061-87-ZM
SIM	6581		P	30	10.7	Low	Pettit Trinidad	1871	SIBY	1	2021	55	60061-94-ZD
SIM	6580					Copper			SIBY	12	2020	65	
SIM	6579		S	30	10.8	Low	Interlux Ultra	Y3779F	Koehler Kraft	11	2019	55	60061-94-ZD
SIM	6578		P	70	18.4	Low	Seahawk Cukote	3434-L	Delta Marine	8	2022	65	60061-87-ZM
SIM	6574		P	128	23	non	Sea Voyage	N51 B30	MGBW	10	2021	0	
SIM	6568												
SIM	6566												
SIM	6561		E	18	7.9								
SIM	6557					Copper	Pettit Trinidad HD blue	1271	SIBY	1	2021	65	
SIM	6555		P	30	11.5	Low	Interlux Ultra	Y3779F	SIBY	12	2015	55	2693-212-AA
SIM	6548		P	41	14	Low	Interlux Ultra	Y3779F	SIBY	2	2018	55	2693-212-AA
SIM	6547		P	83.1	22.2	Low	Seahawk BioCop TF	1205-1	Port Townsend Marine	10	2020	38	
SIM	6545												
SIM	6541		P	36	12.5	Low	Interlux Ultra	Y3669F	Koehler Kraft	8	2022	55	2693-212-AA
SIM	6540		S	42	13	Low	Interlux Ultra	Y3669F	Driscolls	8	21	55	2693-212-AA
SIM	6539		S	31	11	Copper	Interlux Ultra Kote	Y3669U	Driscolls	12	2021	55	
SIM	6529		P	89	21	Low	Pettit Trinidad HD	1271	Safe Harbor Boat Yar	3	2022	55	60061-64-ZE
SIM	6528		P	50	15	Low	Interlux Ultra	Y3449F	Koehler Kraft	10	2021	55	2693-212-AA
SIM	6525		S	52	14	Low	ZsparProGold	BP-91	KKMI	11	2017	55	60061-64-ZE
SIM	6524		S	32	11	Low	Unknown		Jun-18	8	2018	67	
SIM	6519		P	111	25	Low	Interlux Ultra Kote	Y3449U	MGBW	11	2019	57	
SIM	6518		s	30	1.1	Low	Pettit Trinidad HD	1271	SIBY	7	2020	55	60061-94-ZD

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SIM	6517		S	42	13	Low	Pettit Trinidad	1271	SIBY	3	2020	55	60061-64-ZD
SIM	6515		P	30	12	Low	Interlux Ultra	Y3779F	SIBY	7	2016	55	2693-212-AA
SIM	6507		P	24	8	Low	Interlux Ultra blue	Y3669F	Marina Ship Yard	1	2018	55	2693-212-AA
SIM	6506		P	34.9	12.9	Copper	Interlux Ultra	Y3779U	Driscolls	7	2022	55	
SIM	6505		S	30	106	Low	Pettit Trinidad	1271	SIBY	7	2021	53	60061-94-ZD
SIM	6503						Seahawk Smart Solutions 4700 series rust		Baja Naval	2	2022	65	
SIM	6502		S	43	13.9	Copper	Zspar	B-94	Driscolls	1	2020	65	
SIM	6498		S	96	23	Copper	Unknown	Unknown	PlatyPus Marine	4	2021	60	
SIM	6497		S	28	8	Copper			Self Applied	9	2020	67	
SIM	6492		S	58	16	Low	Petit Trinidad	1871	SIBY	8	2021	55	60061-94-ZD
SIM	6491		P	38	13.3	Low	Interlux Ultra	Y3669F	Koehler Kraft	3	2017	55	2693-212-AA
SIM	6489		VACANT										
SIM	6485		P	36	12.4	Low	Pettit	1271	SIBY	9	20	55	60061-94-ZD
SIM	6483		P	74	19.6	Low	Seahawk Biocop	1205	Pacific Marine Center	7	2020	38	
SIM	6478		S	34	12	Low	Interlux Ultra	Y3779F	SIBY	5	2016	55	2693-212-AA
SIM	6475		S	47	13.9	Low	Pettit Trinidad	1871	Mar-21	1	2021	55	60061-94-ZD
SIM	6468		P	50	16	Low	Zspar Pro Gold Blak	BP91	SIBY	11	2015	67	60061-64-ZE
SIM	6464		P	36	12.6	Low	Interlux Ultra	Y3669F	SIBY	11	2014	55	2693-212-AA
SIM	6460		S	22	6	Low	Unknown	unknown	Aug-18	8	2018	67	
SIM	6457		S	35	12	Copper	Interlux Ultra	Y3669U	Driscolls	9	2022	55	
SIM	6454		P	32	13	Low	Pettit Trinidad HD	1271	Safe Harbor	3	2022	55	60061-94-ZD
SIM	6451		S	47	14	Low	Interlux Ultra	Y3779F	Driscoll	7	2020	55	2693-212-AA
SIM	6447		S	30	10	Copper	Zspar	B-94	Driscolls	8	2020	65	
SIM	6443		P	75	20	Low	Trilux 33	YBA060	SIBY	8	2020	17	2693-203-AA
SIM	6440		P	38	11	Low	Naut Super Pro Guar	NAU773	Neilson Beaumont	1	2016	55	23566-20-ZT
SIM	6434		P	31	12	Copper						65	
SIM	6430												
SIM	6428		P	47.8	15	Low	Pettit Trinidad	1871	SIBY	3	2021	55	60061-94-ZD
SIM	6423		P	32	12	Non	Hydrohoist		sits on hydrohoist	10	2008	0	
SIM	6422		P	30	11.3	Low	Interlux Ultra	Y3779F	SIBY	3	17	55	2693-212-AA
SIM	6420		P	40	13.6	Low	Unknown-new boat	unknown	Apr-17	4	2017	67	
SIM	6411		P	28.3	9.8	Low	Interlux Ultra	Y3779F	SIBY	5	2013	55	2693-212-AA
SIM	6410		P	35	13	Low	Unknown	unknown	May-18	5	2018	67	60061-94-ZE
SIM	6405					Low			Driscolls	11	2015		
SIM	6397												
SIM	6396		P	50	14.6	Low	Unknown	Unknown	Aug-17	8	2017	67	
SIM	6395		S	30	11	Low	Pettit Trinidad	1271	SIBY	8	2020	55	60061-94-ZD
SIM	6388		P	105	24	Non	Proline Seaguard	P30 BQ 12	SIBY	12	2019	0	
SIM	6384		P	43	15.3	Low	unknown	unknown	Apr-17	4	2017	67	
SIM	6382		P	35	12	Low	Pettit Trinidad	1871	SIBY	11	2019	55	60061-94-ZD
SIM	6379		P	36	12.2	Low	Interlux Ultra	Y3779F	SIBY	2	2015	65	2693-212-AA
SIM	6378		P	42	15	Low	Pettit Trinidad	1871	Safe Harbor	6	2022	55	60061-94-ZD
SIM	6377					Low	Micron CSC	YBC583	SIBY	9	2011	65	2693-225-AA
SIM	6366					Low	Interlux Ultra	Y3669F	SIBY	5	2019	65	2693-212-AA
SIM	6363		P	31	9.9	Low	Pettit Trinidad HD	1271	Safe Harbor	3	2022	53	60061-94-ZD
SIM	6362		S	42	13	Low	ZsparPro	BP-001	Driscolls	11	2019	67	60061-64-ZE
SIM	6361		S	30	11	Low	Petit Trinidad	A10882	Dolphin Divers	9	2011	60	60061-94-ZB
SIM	6358		P	103	24.5	Low	Seahawk Bio Cop	TF1205	SIBY	11	2018	33	60061-94-ZD
SIM	6354		S	39.3	12.1	Low	Pettit Trinidad 72270	60061-64-710	SIBY	2	2022	55	60061-64-ZD
SIM	6352		S	42	12.5	Copper			Abaroa Boat Yard	6	2021	67	
SIM	6351					Low	Pettit Trinidad HD blue	1271	SIBY	1	2021	65	60061-94-ZD

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SIM	6343		S	27	8.1	Copper	Interlux Ultra	117598	Driscolls	2	2022	55	
SIM	6342		S	27	9	Low	Pettit Trinidad	1871	Safe Harbor	12	2021	55	60061-94-ZD
SIM	6340		S	25	8	Low	Micron CSC	YBC580	SIBY	11	2013	33	2693-225-AA
SIM	6339		P	42	13	Low	Interlux Ultra	Y3669F	MGBW	7	2020	55	2693-212-AA
SIM	6334		P	53	15	Low	Zspar Progold	BP91	Driscolls SI	11	2018	67	0
SIM	6330					Low			Driscolls	1	2018	65	
SIM	6329		P	40	13	Low	Interlux Ultra	Y3779F	Driscolls MB	7	2019	55	60061-87-ZM
SIM	6325		S	38	12.4	Low	Pettit Protector	B-94	The Boatyard Oxnard	12	2017	60	
SIM	6317		VACANT	VACANT									
SIM	6314		P	100	23	Low	Seaguard Ablative	P30 BQ 12	MGBW	11	2019	55	10250-54-ZA
SIM	6312					Copper				7	2021	65	
SIM	6311		P	30	8	Non	Non Copper Biocide		Koehler Kraft	2	2020	0	
SIM	6310		S	36	10	non	KRYPTON	TB 3020	Port Townsend Boat Haven	9	2021	0	
SIM	6308		P	31	11	Low	Micron CSC	YBC580	Charleston SC	3	2017	33	2693-225-AA
SIM	6304		S	35.5	11.25	Low	Pettit Trinidad	1271	SIBY	11	2020	55	60061-94-ZD
SIM	6302		P	122	22	non	Blue Seal		Port Townsend Shipyard	8	2018	0	
SIM	6301		P	113	23.6	Low	Seaguard	P30BQ12	MGBW	3	2016	48	
SIM	6300		S	41	12	Low	Petit Trini hd	1271	SIBY	7	2021	55	60061-94-ZD
SIM	6297		S	42	13.9	Copper	Interlux Ultra	ukn	Safe Harbor BY	9	20	65	#N/A
SIM	6294		S	27	8	Low	Pettit Trinidad	1871	SIBY	8	2021	27	60061-64-ZD
SIM	6291		P	38	13.8	Low	International 6800 HS			5	2020	55	60061-94-ZD
SIM	6288		S	39.7	12.6	Low	Micron CSC	YBC580	SIBY	1	2014	33	2693-225-AA
SIM	6284		S	46.4	14.7	Low	InterProguard	NAU990	Nielsen Beaumont	10	2013	42	
SIM	6280					Copper	Interlux Ultra	Y3559U	Driscolls	2	20	65	
SIM	6276												
SIM	6273		P	45	18	Low	Unknown	Unknown	Self Applied	11	2018	67	
SIM	6272		P	45	14	Low	SeaHawk Tropikote	2145	Baha Naval	1	2021	37	44891-10-ZA
SIM	6269		S	41	14	Low	Interlux Ultra	Y3669F	SIBY	5	20	55	2693-212-AA
SIM	6266					Copper			San Diego Boatyard		2020	65	
SIM	6264		S	30	12	Low	Pettit Trinidad HD	1271	Safe Harbor Boatyard	2	2022	55	60061-94-ZD
SIM	6263		S	36	14	Low	Petit Trinidad HD	1871	SIBY	10	2020	55	60061-94-ZD
SIM	6262		P	28	8	Copper	Interlux Ultra	Y3779U	Driscolls	9	2021	55	
SIM	6260		P	37	14	Low	Interlux Ultra	Y3669F	Koehler Kraft	9	2021	55	2693-212-AA
SIM	6256		S	37	12.4	Low	Petit trinidad	1871	SIBY	12	2020	55	60061-94-ZD
SIM	6254		S	42	12	Low	Zspar Progold	41127706	Driscolls	4	2017	60	60061-94-ZE
SIM	6252		S	30	10	Low	Interlux Ultra blue	Y3669F	Koehler Kraft	11	2021	55	2693-212-AA
SIM	6249		S	47	14	Low	Petit trini hd	1871	SIBY	6	2021	55	60061-94-ZD
SIM	6246					Low	Proline	1088C-02	SIBY	10	2013	65	
SIM	6236		S	49	12	Low	Proline vinyl Copper	1088C-01	Self applied	12	2017	33	
SIM	6233		S	39	11.5	Low	Petit Trini HD	1271	SIBY	8	2021	55	60061-64-ZD
SIM	6232		P	17	6	Low	Interulx Ultra	Y3779F	Koehler Craft	6	2020	55	2693-212-AA
SIM	6229		S	30	9.6	Low	Zspar Pro Gold Bp91	A411187706	SIBY	4	2013	55	
SIM	6227		P	151	31	Low	Seahawk BioCop TF	1202-1	Marine Group	1	2019	0	44891 - 15
SIM	6225		S	40	12	Copper	Interlux Ultra Kote	Y3669U	Koehler Kraft	9	2022	55	
SIM	6223		P	45	13	Low	Zspar Pro	411187706	Driscolls	12	2019	55	60061-94-ZE
SIM	6221		P	47.8	14.5	Low	Unknown	Unknown	Unknown		2018	67	60061-94-ZD
SIM	6218		S	42	13	Copper			Mar-20	3	2020	67	
SIM	6217					Low			KAMI	3	2015	65	
SIM	6215		P	28	11	Low	Unknown		Driscolls	7	2019	67	
SIM	6214		S	41	12	Low	Woolsey	4802	self applied	2	2017	67	60061-101-ZA
SIM	6211		P	39	12	Low	Pettit Trinidad hd	1271	SIBY	4	2021	55	60061-94-ZD

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SIM	6209		S	36.9	11.8	Low	Unknown	Unknown	Oxnard, CA	11	2019	65	
SIM	6205		P	38	13.4	Low	Interlux Ultra	Y3669F	SIBY	6	2014	55	2693-212-AA
SIM	6202		S	44.5	13.6	Low	Petit Trinidad	1271	Schoone Creek	4	2020	55	60061-94-ZD
SIM	6201		P	26	8.6	Low	Interlux Ultra	Y3779F	Oceanside Marine	4	2020	55	2693-212-AA
SIM	6199		S	36	11.75	non	Ceram Kote	99	Self	5	2015	0	
SIM	6196		P	36	10	Non	Interlux Ultra white	1108	MGBW	11	20	0	
SIM	6194		P	36	12.3	Low	Petit Trinidad HD	1871	Seaside Boatyard	4	2022	55	60061-94-ZD
SIM	6190					Low	Trilux 33	YBA060	SIBY	9	2022	17	
SIM	6188		S	23	7.8	Low	Interlux Ultra	Y3779F	Koehler	4	2019	55	2693-212-AA
SIM	6187		S	42	14	Copper	Petit interlux		Self Applied		2022	65	
SIM	6184		S	35	12.5	non	Micron CF	YB0103	Koehler Kraft	2	20	0	
SIM	6183		S	30	10	Low	Pettit Trinidad	1271	SIBY	10	2020	55	60061-94-ZD
SIM	6181		S	31	10.1	Low	Total Boat by Spartan	4020	Self Applied	1	2019	67	
SIM	6176		S	44	14	Low	Pettit Trinidad HD	1871	Safe Harbor	5	2022	55	60061-94-ZD
SIM	6173		S	35	11.4	NON	Ceram Kote	99	SIBY	2	2015	0	
SIM	6165		S	30	10	Low	Zspar	B94	Driscolls MB	8	2020	55	60061-94-ZB
SIM	6164		P	106	25	Low	SeaHawk Island 44	1005	Ensenada	6	2019	33	10250-54-ZA
SIM	6163		S	29	7	Low	Interlux Ultra	Y3779F	SIBY	4	2012	55	2693-212-AA
SIM	6159		S	45	14	Low	Pettit Trinidad	1271	SIBY	12	2020	55	60061-94-ZD
SIM	6152		P	32	11.3	Low	Interlux Ultra		Driscolls	2	2014	65	
SIM	6147					Low			SIBY	4	2018	65	
SIM	6137		P	36	10.6	non	Interspeed 5640	BZA646	Competition Marine	10	2021	0	
SIM	6136												
SIM	6134					Low	Interlux Ultra	Y3779F	Driscolls	8	2018	55	2693-212-AA
SIM	6117		S	38	12.3	Low	Interlux Ultra	Y3779F	Driscolls MB	9	2009	55	2693-212-AA
SIM	6111		P	44.5		Low			UKN	UKN	2018	65	
SIM	6110		P	21	8	Low	Interlux Ultra	Y3779U	SIBY	5	2017	67	
SIM	6109		S	42	14	Copper	Unknown	Unknown	Jun-20	6	2020	67	
SIM	6108		S	30	11	Low	Pettit Trinidad HD	1271	Safe Harbor	5	2022	55	60061-94-ZD
SIM	6106					Non	Interspeed	5640	MOBW	12	2019	0	
SIM	6101		P	44	14.6	Low	Pettit Trinidad	1871	SIBY	4	2021	55	60061-94-ZD
SIM	6099		P	32	13	Low	Micron CSC	YBC580	SIBY	11	20	33	2693-225-AA
SIM	6088		S	31	11	Copper	Interlux Ultra		Koehlar Kraft	3	2022	38	60061-87-ZM
SIM	6087		S	32	10	Low	Interlux w/Biolux	Y3559F	Venture Boat Yard	8	2021	55	60061-87-ZM
SIM	6081		S	42	11	Low	Petit Trini HD	1871	SIBY	5	2021	55	60061-94-ZD
SIM	6076		S	18	8	Non	Seahawk Smart Solut	4705	Koehler Kraft	3	2015	0	
SIM	6073		P	33	10.5	Low	Pettit Trinidad HD	1871	SIBY	6	20	55	60061-94-ZD
SIM	6070		S	44	12	Low	Pettit Trinidad	1871	SIBY	4	2021	55	60061-94-ZD
SIM	6069		P	23	7.6	Low	Zspar	B94	Sunset Aquatic Mar Cn	1	2014	55	60061-94-ZB
SIM	6066					Low			MGBW	12	2017	65	
SIM	6065		P	64	17	Low	Interlux Ultra	Y3779F	SIBY	8	2017	55	2693-212-AA
SIM	6063		S	31.3	9.1	Copper	FACTORY PAINT	Beneteau	2022	2	2022	65	
SIM	6053		S	30	10.9	Low	Unknown	unknown	Jun-18	6	2018	67	
SIM	6052		S	30	10.25	Copper	Interlux Ultra Kote Blue	2669N	Driscolls	5	2022	55	
SIM	6051					Low				12	2022	65	
SIM	6049		S	41	10.9	Low			La Marina Del Ray		2019	67	
SIM	6048		P	38	13	non	E Paint	SN-1	ACI Boats	6	2021	0	
SIM	6035		P	106	24	Low	Seahawk Biocomp	1205	Delta Marine Seattle	2	2022	55	60061-94-ZD
SIM	6032		P	55.7	16.4	Low	Pettit Trinidad HD	1871	Safe Harbor	10	2021	55	60061-94-ZB
SIM	6031					Low	Petitti Trinidad	1871	SIBY	6	2020	65	60061-94-ZD
SIM	6029		P	15	7	Low	Fiberglss Bottom Kote	YBB369	Self-Applied	12	2017	33	2693-228-AA

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SIM	6028		S	35	11.2	Low	Unknown	Unknown	N/A	4	2019	55	
SIM	6025		P	25	8.6	Low	Interlux Ultra	Y3779F	HH Marine Services	9	2017	55	2693-212-AA
SIM	6023		S	34	11.9	Low	Pettit Trinidad HD	1271	DIBY	7	20	53	60061-94-ZD
SIM	6022		S	23	9	Low			SIBY	4	2006	67	
SIM	6019		P	42	14	Low			Driscolls	11	2015	65	60061-87-ZM
SIM	6018					Low			Shelter Isalnd Inflatables	7	2022	65	
SIM	6014		P	41	13.3	Copper	Interlux Ultra Kote	Y3779U	Driscolls MB	6	2022	67	
SIM	6009												
SIM	6004		P	22	8.3	Low	Zspar	BP-001	Driscolls	8	2019	67	60061-94-ZD
SIM	6002		P	69	17.2	Low	Pettit Zspar	B-94	Driscolls	6	2015	67	
HMM	7002	100	S	35	13	Low	Interlux Ultra	Y3559F	Shelter Island Boatyard	3	2018	55	2693-212-AA
HMM	7007	100	S	33	12	Copper	Unknown	Unknown	Unknown	Unknown	Unknown	67	
HMM	7010	100	S	44	13	Low	Interlux Ultra	Y3779F	Koehler Kraft	1	2020	55	2693-212-AA
HMM	7015	100	P	42	14	Copper	Unknown	Unknown	Mexico	1	2020	67	
HMM	7016	100	P	20	7	Non	No Paint	No Paint	NA	NA	NA	0	
HMM	7020	100	S	35	13	Copper	Unknown	Unknown	Unknown	Unknown	Unknown	67	
HMM	7024	100	S	37	12	Low	Interlux Ultra	Y3669F	Koehler Kraft	9	2020	55	2693-212-AA
HMM	7027	100	S	53	13	Low	Interlux Ultra	Y3669F	Koehler Kraft	9	2019	55	2693-212-AA
HMM	7030	100	P	37	13	Copper	Interlux Micron CSC	5583G	Santa Cruz Boatyard	10	2020	67	
HMM	7031	100	P	23	9	Low	Interlux Ultra	Y3779F	Self Applied	5	2021	55	
HMM	7039	100	P	37	13	Low	Interlux Ultra	Y3779U	Shelter Island Boatyard	1	2013	55	
HMM	7044	100	P	12	6	Non	No Paint	No Paint	NA	NA	NA	0	
HMM	7045	100	S	24	8	Non	No Paint	No Paint	NA	1	2004	0	
HMM	7047	100	P	27	10	Low	Pettit Ultima SR-40	1109606	Driscolls SI	10	2019	48	
HMM	7048	100	S	42	14	Low	Pettit Trinidad HD	1271	Shelter Island Boatyard	12	2020	55	60061-94-ZB
HMM	7049	100	P	23	8	Low	Interlux Ultra	Y3779F	Marine Group	11	2021	55	2693-212-AA
HMM	7050	100	S	40	12	Copper	Interlux Interspeed	BRA641	LaCosta Boatworks	3	2022	67	
HMM	7053	100	S	34	12	Low	Interlux Ultra	Y3779F	Shelter Island Boatyard	4	2017	55	2693-212-AA
HMM	7056	100	P	31	9	Copper	Unknown	Unknown	Unknown	Unknown	Unknown	67	
HMM	7057	100	P	33	10	Non	No Paint	No Paint	NA	NA	NA	0	
HMM	7063	Empty	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	
HMM	7064	100	S	30	10	Low	Interlux Ultra	Y3559U	Shelter Island Boatyard	7	2017	55	
HMM	7068	100	P	29	10	Non	Finsulate Thorn D	None	Shelter Island Boatyard	6	2013	0	
HMM	7071	100	P	34	13	Low	Interlux Ultra	Y3669F	Self Applied	9	2020	55	2693-212-AA
HMM	7074	100	P	43	14	Copper	Unknown	Unknown	Unknown	Unknown	Unknown	67	
HMM	7076	100	P	27	8	Non	No Paint	No Paint	NA	NA	NA	0	
HMM	7084	100	S	37	12	Low	Unknown	Unknown	Florida	5	2009	67	
HMM	7085	100	S	32	9	Low	Interlux Ultra	Y3669F	Driscolls SI	4	2022	55	2693-212-AA
HMM	7097	100	P	22	6	Non	Pettit Eco HRT	1200	Affordable Marine Service	10	2022	0	
HMM	7102	100	S	27	9	Low	Interlux Ultra	Y3449F	Shelter Island Boatyard	6	2012	55	2693-212-AA
HMM	7107	100	P	32	10	Low	Interlux Ultra	Y3779U	Shelter Island Boatyard	6	2017	55	
HMM	7111	100	S	35	12	Low	Interlux Ultra	Y3669U	Shelter Island Boatyard	12	2016	55	
HMM	7114	100	P	30	11	Low	Interlux Ultra	Y3669F	Shelter Island Boatyard	5	2019	55	2693-212-AA
HMM	7118	100	P	28	10	Low	SeaHawk Cukote	3445	Dealer Applied	8	2022	67	44891-7-ZA
HMM	7119	100	P	29	11	Non	Armored Hull (liner)	NA	None	NA	NA	0	
HMM	7123	100	S	34	12	Low	Interlux Ultra	Y3779F	Shelter Island Boatyard	10	2018	55	2693-212-AA
HMM	7132	100	S	26	8	Low	Interlux Micron VOC Extra	5790	Knight and Carver	2	2011	33	2693-190-ZI
HMM	7136	100	P	27	8	Low	Interlux Ultra	Y3779U	Shelter Island Boatyard	4	2017	55	
HMM	7139	100	S	38	11	Low	Interlux Ultra	Y3669F	Koehler Kraft	5	2019	55	2693-212-AA
HMM	7142	100	P	24	9	Non	Duralux	M722	Olympic Boat Center	3	2022	0	
HMM	7148	100	E	16	5	Copper	Interlux Ultra	Y3779U	Shelter Island Boatyard	2	2021	55	

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HMM	7149	100	S	30	9	Copper	Pettit Trinidad HD	1083	Shelter Island Boatyard	1	2022	55	
HMM	7150	100	S	41	13	Low	Pettit Trinidad HD	1271	Shelter Island Boatyard	7	2021	55	60061-94-ZB
HMM	7159	100	S	36	12	Low	Interlux Ultra	Y3779U	Shelter Island Boatyard	5	2011	55	
HMM	7166	100	S	36	10	Low	Unknown	Unknown	Shelter Island Boatyard	4	2008	67	
HMM	7170	100	S	28	8	Copper	Unknown	Unknown	Unknown	Unknown	Unknown	67	
HMM	7171	100	P	27	10	Low	Unknown	Unknown	Shelter Island Boatyard	1	2017	67	
HMM	7174	100	P	35	11	Copper	Interlux Micron CSC	5583G	Santa Cruz Boatyard	10	2020	67	
HMM	7175	100	S	30	10	Low	Interlux Ultra	Y3669F	Koehler Kraft	8	2020	55	2693-212-AA
HMM	7182	100	S	22	9	Low	Unknown	Unknown	Unknown	12	2011	67	
HMM	7193	100	S	32	11	Copper	Unknown	Unknown	Unknown	Unknown	Unknown	67	
HMM	7194	100	P	27	8	Copper	Unknown	Unknown	Unknown	Unknown	Unknown	67	
HMM	7196	100	P	30	12	Low	Seaguard	P30BQ12	Self Applied	12	2019	55	
HMM	7204	100	S	47	13	Copper	Interlux Ultra	Y3669U	Driscolls SI	10	2021	55	
HMM	7208	Empty	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	
HMM	7209	100	S	43	13	Low	Pettit Trinidad HD	1271	Shelter Island Boatyard	2	2021	55	60061-94-ZB
HMM	7210	100	S	43	13	Copper	Interlux Ultra	Y3669U	Shelter Island Boatyard	5	2021	55	
HMM	7216	100	P	24	7	Copper	Unknown	Unknown	Unknown	Unknown	Unknown	67	
HMM	7217	100	P	23	9	Low	Pettit Trinidad HD	1871	Shelter Island Boatyard	8	2021	55	60061-94-ZB
HMM	7219	100	S	32	11	Low	Unknown	Unknown	Unknown	3	2019	67	
HMM	7220	Empty	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	
HMM	7225	100	S	33	13	Low	Interlux Ultra	Y3559U	Shelter Island Boatyard	5	2018	55	
HMM	7227	Empty	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	
HMM	7231	100	S	40	12	Low	Interlux Ultra	Y3669F	Shelter Island Boatyard	11	2013	55	2693-212-AA
HMM	7233	100	S	35	12	Non	No Paint	No Paint	NA	NA	NA	0	
HMM	7235	100	S	30	10	Low	Interlux Ultra	Y3669U	Driscolls SI	10	2018	55	
HMM	7237	100	S	38	18	Copper	Unknown	Unknown	Unknown	Unknown	Unknown	67	
HMM	7238	100	P	29	12	Copper	Unknown	Unknown	Unknown	Unknown	Unknown	67	
HMM	7239	100	S	25	8	Low	Interlux Ultra	Y3559F	Shelter Island Boatyard	5	2011	55	2693-212-AA
HMM	7243	100	S	32	10	Low	Interlux Ultra	Y3779F	Shelter Island Boatyard	1	2015	55	2693-212-AA
HMM	7248	100	S	26	9	Non	No Paint	No Paint	NA	9	2006	0	
HMM	7249	100	S	30	10	Non	Interlux Intersleek 900	FXA972-5	Shelter Island Boatyard	6	2021	0	
HMM	7251	100	S	24	8	Low	Pettit Black Widow	1869	Koehler Kraft	5	2022	33	60061-116-ZA
HMM	7252	100	S	40	13	Low	Interlux Ultra	Y3669F	Driscolls SI	2	2022	55	2693-212-AA
HMM	7254	100	P	28	11	Low	Interlux Ultra	Y3779U	Shelter Island Boatyard	2	2013	55	
HMM	7255	100	S	30	10	Low	Interlux Ultra	Y3669U	Shelter Island Boatyard	4	2015	55	
HMM	7259	100	S	47	13	Copper	Unknown	Unknown	Unknown	Unknown	Unknown	67	
HMM	7265	100	P	20	8	Low	West Marine CPP Ablative	5436936	Self Applied	5	2017	24	60061-132-AA
HMM	7277	100	S	29	8	Low	Pettit Trinidad HD	1083	Shelter Island Boatyard	8	2021	55	60061-64-ZC
HMM	7278	100	S	36	10	Copper	Unknown	Unknown	Unknown	Unknown	Unknown	67	
HMM	7283	100	S	26	7	Low	West Marine Ablative	5436928	Shelter Island Boatyard	9	2021	67	60061-132-AA
HMM	7286	100	P	46	14	Low	Interlux Ultra	Y3779F	Shelter Island Boatyard	8	2013	55	2693-212-AA
HMM	7291	100	S	36	12	Low	Interlux Ultra	Y3779F	Shelter Island Boatyard	3	2021	55	2693-212-AA
HMM	7294	100	P	24	8	Low	Pettit Trinidad HD	1871	Shelter Island Boatyard	4	2021	55	60061-94-ZB
HMM	7295	100	S	36	11	Low	Pettit Trinidad HD	1271	Shelter Island Boatyard	9	2020	55	60061-94-ZB
HMM	7307	100	S	30	11	Low	Seahawk	6142	Driscolls SI	1	2006	33	44891-11-AA
HMM	7317	100	S	34	11	Low	Unknown	Unknown	Unknown	4	2011	67	
HMM	7322	100	S	35	12	Low	Unknown	Unknown	Driscolls SI	12	2018	67	
HMM	7324	100	S	38	13	Copper	Unknown	Unknown	Unknown	Unknown	Unknown	67	
HMM	7325	100	S	33	11	Low	Unknown	Unknown	Unknown	3	2015	67	
HMM	7327	Empty	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	
HMM	7328	100	E	18	7	Non	No Paint	No Paint	NA	NA	NA	0	

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HMM	7334	100	P	25	9	Low	Interlux Ultra	Y3779F	Branford Landing Marina	5	2019	55	
HMM	7336	100	S	35	12	Low	Interlux Ultra	Y3449F	Koehler Kraft	2	2021	55	2693-212-AA
HMM	7337	100	P	25	9	Copper	Unknown	Unknown	Unknown	Unknown	Unknown	67	
HMM	7341	100	S	44	12	Non	Pettit Vivid White	1161	Shelter Island Boatyard	3	2021	0	
HMM	7346	100	P	18	6	Non	No Paint	No Paint	NA	NA	NA	0	60061-137
HMM	7355	100	S	23	8	Low	Pettit Trinidad HD	1271	Shelter Island Boatyard	5	2021	55	60061-94-ZB
HMM	7361	100	S	34	13	Low	Unknown	Unknown	Washington Boatyard	5	2010	67	
HMM	7362	100	S	30	11	Low	Interlux Ultra	Y3449U	Driscolls SI	4	2018	55	60061-94-ZB
HMM	7364	100	P	20	8	Low	Interlux Ultra	Y3779F	Shelter Island Boatyard	6	2019	55	
HMM	7366	100	S	33	10	Low	Pettit Trinidad HD	1083	Shelter Island Boatyard	6	2021	55	60061-64-ZC
HMM	7370	100	S	26	9	Low	Interlux Ultra	Y3779U	Shelter Island Boatyard	9	2017	55	
HMM	7375	Empty	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	
HMM	7379	100	P	53	16	Low	Interlux Ultra	Y3779F	Shelter Island Boatyard	3	2018	55	2693-212-AA
HMM	7382	100	S	33	11	Copper	Unknown	Unknown	Newport Beach	7	2020	67	
HMM	7389	100	P	30	11	Low	Pettit Trinidad HD	1871	Shelter Island Boatyard	1	2021	55	60061-64-ZE
HMM	7390	100	P	22	8	Low	Unknown	Unknown	Sunset Marine	3	2003	67	
HMM	7394	100	S	38	12	Low	Unknown	Unknown	Unknown	8	2013	67	
HMM	7399	100	P	36	13	Low	Interlux Ultra	Y3779F	Koehler Kraft	10	2022	55	2693-212-AA
HMM	7402	100	S	35	11	Low	Interlux Ultra	Y3669F	Koehler Kraft	3	2022	55	
HMM	7403	100	S	24	9	Low	Unknown	Unknown	Unknown	6	2018	67	
HMM	7410	Empty	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	
HMM	7411	100	S	30	11	Low	Interlux Ultra	Y3669F	Shelter Island Boatyard	4	2015	55	2693-212-AA
HMM	7412	100	E	21	6	Low	Interlux Ultra	Y3669F	So Cal. Maritime Support	6	2021	55	2693-212-AA
HMM	7413	100	S	35	12	Low	Interlux Ultra	Y3779U	Shelter Island Boatyard	10	2020	55	60061-94-ZB
HMM	7415	100	P	50	15	Low	Interlux Ultra	Y3779U	Shelter Island Boatyard	2	2018	55	
HMM	7422	100	P	36	12	Low	Zspar Bottom Pro Gold	BP94	Driscolls SI	4	2019	55	60061-64-ZE
HMM	7423	100	P	27	9	Low	Pettit Trinidad HD	1271	Shelter Island Boatyard	6	2021	55	60061-94-ZB
HMM	7426	100	S	34	12	Copper	Unknown	Unknown	Unknown	2	2020	67	
HMM	7427	100	S	34	11	Low	Interlux Ultra	Y3779F	Shelter Island Boatyard	2	2021	67	2693-212-AA
HMM	7434	Empty	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	
HMM	7435	100	P	49	15	Low	Pettit Trinidad HD	1871	Sunset Aquatic Huntington	1	2022	55	60061-94-ZB
HMM	7443	100	S	47	12	Low	Pettit Trinidad HD	1671	Shelter Island Boatyard	9	2021	67	60061-94-ZB
HMM	7444	100	P	30	10	Low	Woolsey Defense	593-4301	Nielsen-Beaumont	11	2018	55	#N/A
HMM	7446	100	S	36	13	Low	Pettit Trinidad HD	1271	Shelter Island Boatyard	2	2021	55	60061-94-ZB
HMM	7450	100	P	52	15	Low	Pettit Trinidad HD	1871	Shelter Island Boatyard	8	2021	55	60061-94-ZB
HMM	7451	100	S	35	10	Low	Pettit Trinidad HD	1082	Marina Shipyard Long Bch	5	2020	55	60061-94-ZB
HMM	7453	100	P	34	12	Copper	Zspar Bottom Pro Gold	BP91	Koehler Kraft	3	2021	55	60061-64-ZE
HMM	7454	100	S	26	9	Low	Unknown	Unknown	Unknown	4	2012	67	
HMM	7455	100	S	27	9	Low	Unknown	Unknown	Unknown	2	2011	67	
HMM	7457	100	S	45	12	Low	Pettit Trinidad HD	1086G	Koehler Kraft	12	2015	55	
HMM	7463	100	P	30	10	Low	Proline 1088	Y1088C	Shelter Island Boatyard	2	2021	67	60061-64-ZE
HMM	7465	100	P	34	12	Low	Interlux Ultra	Y3669F	Driscolls SI	9	2020	55	2693-212-AA
HMM	7466	100	S	36	12	Copper	Interlux Ultra	Y5580G	Shelter Island Boatyard	7	2020	38	#N/A
HMM	7467	100	P	17	4	Low	Pettit Trinidad HD	1871	Shelter Island Boatyard	2	2022	55	60061-94-ZB
HMM	7474	100	P	38	15	Low	Interlux Ultra	Y3779F	Shelter Island Boatyard	4	2019	55	2693-212-AA
HMM	7476	100	P	24	9	Low	Interlux Ultra	Y3669F	Shelter Island Boatyard	3	2021	55	2693-212-AA
HMM	7478	100	P	42	15	Low	Interlux Ultra	Y3449F	Shelter Island Boatyard	5	2019	55	2693-212-AA
HMM	7480	100	P	22	8	Low	Interlux Ultra	Y3779F	Driscolls MB	1	2013	55	2693-212-AA
HMM	7482	100	S	39	12	Low	Interlux Ultra	Y3669F	Shelter Island Boatyard	6	2018	55	2693-212-AA
HMM	7485	100	P	36	12	Low	Zspar Bottom Pro Gold	BP91	Driscolls SI	6	2018	55	
HMM	7489	100	S	31	6	Low	Interlux Ultra	Y3669U	Shelter Island Boatyard	8	2019	55	

Facility	Slip/Mooring Reference Number	Percent of Time Occupied	Vessel Type (Power or Sail)	Vessel Length	Vessel Beam	Paint Type Copper, Low or Non	Paint Product Name	Product Number	Boatyard Name or Purchase Date	Painting Date Month (mm)	Painting Date Year (yyyy)	% Copper	Category 1 reg #
HMM	7495	100	P	40	14	Low	Pettit Trinidad HD	1871	The Boat Yard	7	2022	55	60061-94-ZB
HMM	7498	100	S	35	12	Low	Interlux Ultra	Y3779F	Driscolls SI	8	2022	55	
HMM	7499	100	R	19	6	Low	Interlux Ultra	Y3449F	Shelter Island Boatyard	1	2019	55	2693-212-AA
HMM	7500	100	P	27	8	Low	Interlux Ultra	Y3669F	Koehler Kraft	6	2021	55	2693-212-AA
HMM	7500	100	P	11	6	Copper	Unknown	Unknown	Unknown	Unknown	Unknown	67	
HMM	7501	100	S	17	6	Low	West Marine Bottom Shield	17144916	Self Applied	12	2016	33	60061-135-AA
HMM	7503	100	S	38	12	Low	Interlux Ultra	Y3669F	Shelter Island Boatyard	6	2019	55	2693-212-AA
HMM	7505	100	P	23	8	Low	Pettit Hydrocoat	1840	H&H Marine	9	2021	67	60061-87-ZI
HMM	7509	100	P	23	8	Copper	Interlux Ultra	Y3779U	Shelter Island Boatyard	6	2022	55	
HMM	7511	100	S	37	13	Copper	Interlux Ultra	Y3669U	Shelter Island Boatyard	5	2022	55	
HMM	7514	100	S	20	6	Low	Pettit Trinidad HD	1271	Shelter Island Boatyard	11	2019	55	60061-94-ZB
HMM	7517	100	S	37	13	Low	Unknown	Unknown	Shelter Island Boatyard	5	2018	67	
HMM	7520	100	S	45	14	Low	Interlux Micron 66	YBA473	The Boat Yard Alameda	7	2022	67	2693-187-ZG
HMM	7528	100	S	50	12	Low	Interlux Ultra	Y3779F	Koehler Kraft	1	2019	55	2693-212-AA
HMM	7537	100	S	33	12	Low	Unknown	Unknown	Dana Point Shipyard	1	2017	67	
HMM	7538	100	S	36	12	Low	Interlux Ultra	Y3669F	Shelter Island Boatyard	9	2019	55	2693-212-AA
HMM	7542	100	S	27	10	Low	Pettit Trinidad Pro	A1088G	Koehler Kraft	7	2022	67	60061-94-ZB
HMM	7553	100	S	31	12	Low	Pettit Trinidad HD	1271	Shelter Island Boatyard	9	2022	55	60061-94-ZB
HMM	7554	100	P	29	11	Low	Unknown	Unknown	Unknown	3	2019	67	
HMM	7555	100	P	16	6	Low	Pettit Hydrocoat	1240	Self Applied	6	2022	55	60061-87-ZH
HMM	7560	100	S	30	11	Low	Pettit Trinidad HD	1271	Shelter Island Boatyard	8	2020	55	60061-94-ZB
HMM	7568	100	P	42	14	Low	Awlgrip	545	Shelter Island Boatyard	1	2020	33	
HMM	7570	100	P	33	10	Low	Interlux Ultra	Y3779F	Driscolls SI	2	2022	55	
HMM	7571	100	S	23	8	Low	Interlux Ultra	Y3779U	Shelter Island Boatyard	8	2016	55	
HMM	7573	100	S	32	9	Low	Pettit Trinidad HD	1671	Shelter Island Boatyard	5	2022	67	60061-94-ZB
HMM	7574	100	P	20	6	Low	Pettit Trinidad HD	1871	Shelter Island Boatyard	10	2022	55	60061-94-ZB
HMM	7576	100	P	17	5	Non	No Paint	No Paint	NA	NA	NA	0	
HMM	7582	100	P	18	6	Low	Pettit Trinidad HD	1082	Marshall Marine	6	2019	55	
HMM	7583	Empty	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	
HMM	7585	100	S	31	11	Low	Pettit Trinidad HD	1271	Shelter Island Boatyard	10	2020	55	60061-94-ZB
HMM	7586	100	S	25	8	Low	Unknown	Unknown	Shelter Island Boatyard	10	2018	67	
HMM	7587	100	P	30	10	Copper	Unknown	Unknown	Unknown	Unknown	Unknown	67	
HMM	7590	100	P	40	13	Low	Interlux Ultra	Y3779F	Shelter Island Boatyard	11	2018	55	2693-212-AA
HMM	7591	Empty	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	
HMM	7592	100	S	26	9	Low	West Marine CPP Ablative	12845723	Self Applied	5	2019	33	60061-132-AA
HMM	7599	100	P	30	8	Low	Interlux Ultra	Y3779F	Koehler Kraft	1	2022	55	2693-212-AA
Crow's Nest	1	100	Power	80	24.0	Low	Pettit	1161			2015	25	60061-116-AA
Crow's Nest	2	100	Power	40	14.0	Low	Trinidad	1271			2017	65	60061-94-ZB
Crow's Nest	3	100	Power	33	10.0	Low	Pettit	1161			2016	25	60061-116-AA
Crow's Nest	4	100	Power	65	19.0	Low	Pettit	1161			2017	25	60061-116-AA
Crow's Nest	5	100	Power	60	18	Low	Pettit	1161			2017	25	60061-116-AA
Crow's Nest	6	100	Power	37	11	Low	Pettit	1161			2016	25	60061-116-AA
Crow's Nest	7	100	Power	43	14	Low	Pettit	1161			2019	25	60061-116-AA
Crow's Nest	8	100	Power	46	14	Low	Trinidad	1271			2017	65	60061-94-ZB
Crow's Nest	9	100	Power	58	15	Low	Trinidad	1271			2018	65	60061-94-ZB
Crow's Nest	10	100	Power	30	8	Low	Trinidad	1877GA			2018	65	60061-49-ZN
Crow's Nest	11	100	Power	16	6	Low	Trinidad	1877GA			2017	65	60061-49-ZN
Crow's Nest	13	vacant											
Crow's Nest	12	vacant										0	
Crow's Nest	14	vacant										0	
Crow's Nest	15	vacant										0	

Facility	Slip/Mooring Reference Number	Percent of Time Occupied	Vessel Type (Power or Sail)	Vessel Length	Vessel Beam	Paint Type Copper, Low or Non	Paint Product Name	Product Number	Boatyard Name or Purchase Date	Painting Date Month (mm)	Painting Date Year (yyyy)	% Copper	Category 1 reg #
Crow's Nest	16	vacant										0	
Crow's Nest	17	vacant										0	
Crow's Nest	18	vacant										0	
Crow's Nest	19	vacant										0	
Crow's Nest	20	vacant										0	
GCA	1 & 3	100	Sail	37'	21.5'		Unknown		Sep-20				
GCA	2						EMPTY						
GCA													
GCA	4						EMPTY						
GCA	5	100	Power	53'	17'	Low-copper	Pettit Trinidad	1871	Safe Harbor	10	2022	50	60061-49-ZD
GCA	6	90	Power	38'	13'	Low-copper	Proline	1088C-01	Koehler Kraft	7	2018	67	
GCA	7	90	Power	38'	12'	Low-copper	Interlux Ultra	Y3779F	Driscolls	12	2020	55	2693-212-AA
GCA	8	95	Power	30'	10'	Low-copper	Woolsey Defense	4301	Nielsen Beaumont Marine	5	2017	65	60061-49
GCA	9	100	Power	46'7"	14'7"		Unknown		Aug-22				
GCA	10	80	Power	43'	16'	Low-copper	Seahawk AF33	44891	Baja Naval	9	2022	34	
GCA	11	100	Power	42'	14'		Unknown		Apr-19	1	2020	50	
GCA	12	100	Power	40'	13'4"		Unknown		Jul-22				
GCA	13	90	Power	50'	17'8"	Low-copper	Pettit Trinidad	1871	Shelter Island Boatyard	5	2020	50	60061-49-ZD
GCA	14	100	Power	42'	13'6"		Unknown		Aug-22				
GCA	15	100	Power	46'	14'2"	Low-copper	Interlux Ultra	Y3779F	Marina Shipyard	7	2020	55	2693-212-AA
GCA	16	100	Power	42'	14'3"	Low-copper	Interlux Ultra	Y3779F	Nielsen Beaumont Marine	12	2019	55	60061-49
GCA	17	80	Sail	45'	14'9"	Low-copper	Pettit Trinidad	1871	Shelter Island Boat Yard	3	2021	50	60061-49-ZD
GCA	18	100	Power	40'	11'5"	Low-copper	Z-Spar Protector	B-94	Nielsen Beaumont Marine	11	2013	60	
GCA	19	100	Sail	48'	15'5"	Low-copper	Interlux Ultra	Y3779F	Safe Harbor	6	2022	55	2693-212-AA
GCA	20	95	Sail	54'	16'	Low-copper	Pettit Trinidad HD blue	1271	Safe Harbor	5	2022	65	60061-49-ZD
GCA	21	95	Power	50'	15'	Low-copper	Woolsey Defense	4301	Nielsen Beaumont Marine	4	2019	65	60061-49
GCA	22	80	Sail	45'	14'9"	Low-copper	Pettit Trinidad	1871	Shelter Island Boatyard	8	2021	50	60061-49-ZD
GCA	23	90	Power	36'	13'	Low-copper	Pettit Trinidad	1871	Shelter Island Boatyard	5	2021	50	60061-49-ZD
GCA	24	100	Sail	52'	14'	Low-copper	Petit Vivid	11161	Driscoll's	8	2021	17	60061-116-AA
GCA	25	90	Power	75'	21'	Low-copper	Nautical Proguard	993-1	Driscoll's	9	2021	42	2693-142-ZR
GCA	26	90	Power	56'	15'	Low-copper	Interlux Ultra	Y3779F	Driscoll's Mission Bay	8	2020	55	2693-212-AA
GCA	27.1	90	Power	54'	16'8"	Low-copper	Interlux Ultra	Y3669F	Newport Harbor Shipyard	6	2020	55	2693-212-AA
GCA	27.2	50	Power	54'	15'6"	Low-copper	Pettit Ultima	SR60	Nielsen Beaumont Marine	6	2019	60	60061-49
GCA	28	90	Sail	68'	14'		Unknown		May-21				
GCA	29	95	Power	54'	15'5"	Low-copper	Pettit Trinidad	1871	Shelter Island Boatyard	2	2021	50	60061-49-ZD
GCA	30	85	Power	58'	18'	Copper	Seaguard Ablataive	P30BQ12	Shelter Island Boat Yard	3	2022	49	
GCA	31						EMPTY						
GCA	32	80	Power	48'	14'4"	Low-copper	Pettit Trinidad	1871	Shelter Island Boatyard	8	2021	50	60061-49-ZD
GCA	33	100	Power	61'	17'4"	Low-copper	Interlux Ultra	Y3779F	Driscoll's Mission Bay	8	2020	55	2693-212-AA
GCA	34	100	Sail	58'	16'		Unknown		Apr-20				
GCA	35	100	Sail	41'	22'3"	Low-copper	PCA Gold	16471658	Shelter Island Boatyard	10	2021	47	60061-101-ZB
Tonga	none	100%	Power	55	16	Low-copper	Interlux Micron CSC	Y5583G	Factory		2022	38%	
Tonga	none	100%	Power	81	20	Low-copper	Interlux Ultra	Y3779F	Safe Harbor Shelter Island	September	2022	55%	44891-7-ZA
Tonga	none	35%	Power	44	13	Low-copper	Interlux Untra	Y3779F	Marina Del Rey, CA	January	2022	55%	44891-7-ZA
Tonga	none	100%	Power	75	15	Copper	ULTRA KOTE BLACK	Y3779U	Driscoll's Boatworks	October	2022	63%	
Tonga	none	100%	Power	59	14.5	Low-copper	Pettit Trinidad HD	1871	Shelter Island Boat Yard	August	2021	53%	60061-64-ZD
Tonga	none	75%	Power	55	16	Low-copper	Interlux Micron CSC	5583G	Factory		2022	38%	
Tonga	none	50%	Power	60		Copper	Interlux Ultra	48035	Newport Harbor Shipyard	June	2021	55%	
Tonga	none	50%	Power	28	9.5	Low-copper	Intralux		Safe Harbor Shelter Island	March	2020	38%	
Tonga	none	100%	Power	40	13.7	Copper			Marina Shipyard Long Beach	February	2021		
Tonga	none	25%	Power	61	17.5	Copper	Interlux Ultra	Y3779G	Driscoll's Mission Bay	September	2021	66%	

SIYB Master Leaseholders
TMDL Group

January 23, 2023
2022 Vessel Tracking: Evaluation, Results, Assumptions and Process

As in prior years, Marina and Yacht Club personnel and volunteers have compiled data on the antifouling paint choices made by each slip-holder in the basin. Once compiled, this data is submitted to the Port of San Diego for inclusion in an annual report to the San Diego Regional Water Quality Control Board.

The following facilities participated in the effort San Diego Yacht Club, Silvergate Yacht Club, Southwestern yacht Club, La Playa Club, Shelter Island Marina, Half Moon Marina, Crow's Nest Anchorage, Gold Coast Anchorage, and Tonga Landing.

Vessel Tracking Results:

With nearly 250,000 data entries included in the submitted data set, more than a dozen individual entries for each slip in each of the participant clubs, an evaluation of the raw data is needed.

Two methods were used to estimate copper load reduction from this expansive data set:

1. Using reporting guidelines drafted by the Port, a 48% load reduction was projected.
2. A load reduction of 70% was projected using realistic assumptions not considered by the Port Monitoring Plan. The assumptions considered by this alternative estimate, include:
    - Paints applied recently are assumed to conform to DPR Regulation,
    - Paint applied more than five years prior to survey are not considered an ongoing source of leached copper.

The differing approaches can be easily compared:

- Currernt reporting guidelines require worst-case assumption lead to an over-reporting of copper paints: in instances where limited documentation by boat owners is reported paints are designated full copper. That assumption ignores legal requirements of registered paints in California since 2018 by assuming that unless fully described in the survey, currently illegally available paints are being use. [5]

- Current reporting guidelines lead to an under-reporting of copper depleted paints. Guidelines developed by the Port do not consider that copper coatings have a limited lifetime over which they are able to leach copper: a fact accepted by the Department of Pesticide and embodied in the ISO 10890:2010 Method required from registrants.

Evaluation:

A clear shift away from full copper paints is demonstrated in the assembled data: 92% of the hulls are not using the full copper paint assumed by the 2005 TMDL Tech Document.

Additionally, a quarter of respondents to the survey indicated that they have not recoated in the past five years: electing to maintain a hull solely with in-water cleaning.

The data documented:
- 121 hulls were coated with full-copper paints,
- 86 hulls were coated with non-copper paints,
- 1,100 hulls were coated with low-copper paints,
- 26 slips were vacant year around,
- 335 hulls were coated with depleted-copper paints, and
- 129 hulls were coated with paints could not be identified with the data available.

The effect of a restriction by the Department of Pesticides Regulation on June 2018 on the availability of high copper paints due, is reflected in the survey. It can be projected that soon no full-copper paints will be in use.

Once applied an antifouling coating has a limited lifetime: it cannot leach more copper than contained in the coating. The Port Monitoring Plan has not considered the short lifetime of antifouling coatings.

It has been generally assumed that antifouling coatings are renewed every two to three years. The Carson Report projected that coatings would be reapplied every 2.5 years (Carson *et al*., 2002). A three-year lifecycle for antifouling paints was projected in other studies (Earley et. al, 2013).

A five-year lifespan for copper antifouling paints is defined by ISO 1890:2010- Modeling of Biocide Release Rates by Mass Balance Calculation, the method required by The Department of Pesticide Regulation from registrants of antifouling coatings. The method projects that copper levels are depleted in the coating at its lifetime date.

Purpose of the effort

The collection of paint information from boats moored in Shelter Island Yacht Basin (SIYB) and the evaluation for trends of copper load reduction is directed by an investigative order (RWQCB, 2010) and an associated monitoring plan authored for the Port of San Diego (AMEC, 2013). A basin plan amendment (RWQCB, 2005) requires progressive reductions of copper loading from boats into Shelter Island Yacht Basin (SIYB).

The group has as a goal the collection of good quality data, and to that end, meets regularly, coordinates efforts, provides support to new representatives, and explores improved methods of collection.

Potential Management Practices

The survey gages the effects of Best Management Practices employed and can suggest future options to impact loading.

The survey indicated that coatings that have been in use for more than their 5-year lifetimes are common: more than 300 copper-depleted paints were documented in the survey, over 20% of the hulls surveyed.

Encouraging boat owners to maintain their hulls by in-water cleaning rather than a fresh recoating of antifouling paint could lead to additional future reductions. The Load Reduction target of the TMDL may be achievable via this encouragement.

Quality Assurance Process

To ensure quality of reporting the Vessel Tracking Spreadsheet underwent a quality assurance process to make sure the results are as valid as possible. The systematic activities implemented are outlined below:

1. Supply Reporting Forms to Marinas and Yacht Clubs
2. Information on antifouling paint is requested from boaters
3. Follow up with non-responsive boaters via email and phone
4. Boatyards queried for paint information on incomplete entries
5. Receive data from participating marinas and yacht clubs
6. Compare submitted data to a Port Supplied Reference Sheet or Active DPR list.
7. Save original files
8. Confirm required data is present[3]
9. Verify data supplied
    a. paint product number
    b. copper percentage
    c. age of paint
    d. vacancy
10. Return to participant organizations for revision
11. Reexamine results via steps in item 6, correspond with participant organizations and return if necessary

12. Evaluate progress by calculating the number of vacant, copper, low copper & loading hulls
13. Replace slip reference with generic numbering system

Summary

The collected data demonstrates remarkable success in shifting away from full copper paints: about 100 full copper paints were documented. It is possible that required load reductions could be achieved with a modification of reporting requirements and additional management practices.

Sincerely,

John Adriany
Principal Scientist,
ChemMetrics
john.adriany@yahoo.com

REFERENCES

1) Regional Water Quality Control Board, San Diego Region (Regional Board). 2005. Total Maximum Daily Load for Dissolved Copper in Shelter Island Yacht Basin, San Diego Bay. Resolution No. R9-2005-0019. Basin Plan Amendment and Technical Report.
2) Regional Water Quality Control Board, San Diego Region (Regional Board). Shelter Island Yachts Basin Investigative Order R9-2010-0136
3) AMEC, Environmental and Infrastructure Inc. (*AMEC*) Shelter Island Yacht Basin TMDL Monitoring Plan, 2013. Prepared for the Port of San Diego.
4) Department of Pesticide Regulation, List of Copper Based Antifouling Coatings by Leach Category, updated August 12, 2015.
5) Department of Pesticide Regulation, California Notice 2018-02, January 12, 2018.
6) Carson, R., M. Damon, L. Johnson, and J. Miller. 2002. Transitioning to Non-Metal Antifouling Paints on Marine Recreational Boats in San Diego Bay. November 15, 2002. Agreement No. 01- 106-068 between University of California and California Department of Boating and Waterways, pursuant to senate Bill 315 passed in 2001.

APPENDIX D

WATER QUALITY RESULTS

FIELD DATA SHEETS

PORT OF SAN DIEGO
SIYB DISSOLVED COPPER TMDL
2022 SUMMER MONITORING EVENT

FIELD WATER QUALITY DATA SHEET

Station Identification: SIYB-ER

Date: (mm/dd/yyyy) 08/16/2022

Time on Station: (hh:mm) 0725

Time of Sample Collection: 0740

Time of CTD Cast: N/A

GPS: (WGS84) Lat. N/A Long. N/A

Tide (ft): N/A

Time of Slack High Tide: N/A

Water Depth (ft): N/A

Wind (mph): 0-3mph W

Weather conditions: overcast, light breeze

Surface Water Conditions: N/A

Water Visibility (ft): N/A

Time of Measurement	Temperature (°C)	Sp. Cond. (µS/cm)	Salinity (ppt)	pH	DO (mg/L)
Upon arrival on station	N/A	N/A	N/A	N/A	N/A
During sample collection					
End of sample collection					
Average value					

*Water quality measured at the same depth as sample collection (i.e., within 1 meter from the surface).

Notes:

FIELD WATER QUALITY DATA SHEET

Station Identification: SIYB-REF-2

Date: (mm/dd/yyyy) 08/16/2022

Time on Station: (hh:mm) 08 40

Time of Sample Collection: 0855

Time of CTD Cast: N/A

GPS: (WGS84) Lat. 32.70930 ~~32° 42' 62.0"~~ Long. -117.22551 ~~117° 13' 49.8"~~

Tide (ft): +1.3

Time of Slack High Tide: 13:14

Water Depth (ft): 46.9

Wind (mph): 4 mph W

Weather conditions: overcast, calm

Surface Water Conditions: light texture, incoming tide/current

Water Visibility (ft): 9.0

Time of Measurement	Temperature (°C)	Sp. Cond. (µS/cm)	Salinity (ppt)	pH	DO (mg/L)
Upon arrival on station	21.6	51575	33.97	7.98	6.71
During sample collection					
End of sample collection					
Average value	21.6	51575	33.97	7.98	6.71

*Water quality measured at the same depth as sample collection (i.e., within 1 meter from the surface).

Notes: No tox sample collection, chem only. Live boat. Coordinates recorded in degrees minutes seconds.

FIELD WATER QUALITY DATA SHEET

Station Identification: SIYB-REF-1

Date: (mm/dd/yyyy) 08/16/2022

Time on Station: (hh:mm) 0930

Time of Sample Collection: 0955

Time of CTD Cast: 1020

GPS: (WGS84) Lat. ~~32° 70' 418"~~ KB 32.70418 Long. ~~117° 23' 220"~~ KB 117.23220

Tide (ft): +2.4 (@ 0955)

Time of Slack High Tide: 13:14

Water Depth (ft): ~~[illegible]~~ 67.3'

Wind (mph): 4-5 WNW

Weather conditions: overcast, partial clearing

Surface Water Conditions: light texture, incoming tide/current

Water Visibility (ft): 10.5'

Time of Measurement	Temperature (°C)	Sp. Cond. (µS/cm)	Salinity (ppt)	pH	DO (mg/L)
Upon arrival on station	20.2	51452	33.87	7.99	6.70
During sample collection	20.3	51452	33.88	7.99	6.70
End of sample collection	20.0	51454	33.87	8.02	6.92
Average value	20.2	51453	33.87	8.00	6.77

*Water quality measured at the same depth as sample collection (i.e., within 1 meter from the surface).

Notes:

FIELD WATER QUALITY DATA SHEET

Station Identification: SIYB-6

Date: (mm/dd/yyyy) 08/16/2022

Time on Station: (hh:mm) 10:45

Time of Sample Collection: 10:55

Time of CTD Cast: 11:23

GPS: (WGS84) Lat. 32.70875 Long. -117.23507

Tide (ft): +3.4

Time of Slack High Tide: 1314

Water Depth (ft): 17.0

Wind (mph): 7.5 W

Weather conditions: mostly sunny, light breeze

Surface Water Conditions: light texture, incoming tide/current

Water Visibility (ft): 9.0'

Time of Measurement	Temperature (°C)	Sp. Cond. (µS/cm)	Salinity (ppt)	pH	DO (mg/L)
Upon arrival on station	21.1	51529	33.92	7.99	6.47
During sample collection	21.3	51532	33.92	7.96	6.33
End of sample collection	21.7	51580	33.96	7.97	6.51
Average value	21.4	51547	33.93	7.97	6.44

*Water quality measured at the same depth as sample collection (i.e., within 1 meter from the surface).

Notes: Police vessel moved @ 10:45 prior to sample collection.

FIELD WATER QUALITY DATA SHEET

Station Identification: SIYB-5

Date: (mm/dd/yyyy) 08/16/2022

Time on Station: (hh:mm) 1205

Time of Sample Collection: 1215

Time of CTD Cast: 1235

GPS: (WGS84) Lat. 32.71214 Long. -117.23295

Tide (ft): +4.7

Time of Slack High Tide: 13:14

Water Depth (ft): 22.3

Wind (mph): 8-10 W

Weather conditions: sunny, breezy

Surface Water Conditions: light texture

Water Visibility (ft): 10.5

Time of Measurement	Temperature (°C)	Sp. Cond. (µS/cm)	Salinity (ppt)	pH	DO (mg/L)
Upon arrival on station	22.1	51519	33.91	8.03	6.93
During sample collection	22.1	51521	33.91	8.00	6.97
End of sample collection	22.2	51557	33.93	8.03	6.98
Average value	22.1	51532	33.92	8.02	6.96

*Water quality measured at the same depth as sample collection (i.e., within 1 meter from the surface).

Notes: Fisherman offloading & bilge discharge ~15yds E ("Salty K") post chem sample collection. Surface current direction E (away from sampling vessel).

FIELD WATER QUALITY DATA SHEET

Station Identification: SIYB-4

Date: (mm/dd/yyyy) 08/16/2022

Time on Station: (hh:mm) 12:55

Time of Sample Collection: 13:10

Time of CTD Cast: 1335

GPS: (WGS84) Lat. 32.71690 Long. -117.23204

Tide (ft): +5.1

Time of Slack High Tide: 13:14

Water Depth (ft): 17.7'

Wind (mph): 8-10 W

Weather conditions: Sunny, breezy

Surface Water Conditions: light texture, slack tide, surface current E

Water Visibility (ft): 9.5'

Time of Measurement	Temperature (°C)	Sp. Cond. (µS/cm)	Salinity (ppt)	pH	DO (mg/L)
Upon arrival on station	22.3	51512	33.89	8.04	7.17
During sample collection	22.3	51518	33.92	8.05	7.19
End of sample collection	22.3	51542	33.92	8.06	7.19
Average value	22.3	51524	33.91	8.05	7.18

*Water quality measured at the same depth as sample collection (i.e., within 1 meter from the surface).

Notes: Hull cleaners observed on dock post-sample collection. (~100yds NE)

FIELD WATER QUALITY DATA SHEET

Station Identification: SIYB-3

Date: (mm/dd/yyyy) 08/16/2022

Time on Station: (hh:mm) 14:10

Time of Sample Collection: 14:15

Time of CTD Cast: 12:35

GPS: (WGS84) Lat. 32.71552 Long. -117.22984

Tide (ft): +4.9

Time of Slack High Tide: 13:14

Water Depth (ft): 21.6

Wind (mph): 10-12 WSW

Weather conditions: sunny, breezy

Surface Water Conditions: light texture, outgoing tide

Water Visibility (ft): 9.5'

Time of Measurement	Temperature (°C)	Sp. Cond. (µS/cm)	Salinity (ppt)	pH	DO (mg/L)
Upon arrival on station	22.4	51546	33.92	8.05	7.12
During sample collection	22.3	51546	33.92	8.02	7.18
End of sample collection	22.5	51550	33.92	8.04	7.22
Average value	22.4	51547	33.92	8.04	7.17

*Water quality measured at the same depth as sample collection (i.e., within 1 meter from the surface).

Notes:

FIELD WATER QUALITY DATA SHEET

Station Identification: SIYB-2

Date: (mm/dd/yyyy) 08/16/2022

Time on Station: (hh:mm) 1450

Time of Sample Collection: 1500

Time of CTD Cast: 1520

GPS: (WGS84) Lat. 32.71422 Long. -117.22916

Tide (ft): +4.7

Time of Slack High Tide: 13:14

Water Depth (ft): 16.1

Wind (mph): 2-4 W

Weather conditions: sunny, mostly calm

Surface Water Conditions: mostly calm, outgoing tide.

Water Visibility (ft): 13.5'

Time of Measurement	Temperature (°C)	Sp. Cond. (µS/cm)	Salinity (ppt)	pH	DO (mg/L)
Upon arrival on station	22.8	51572	33.94	8.01	6.99
During sample collection	22.8	51574	33.94	8.00	7.00
End of sample collection	22.7	51572	33.94	8.03	7.09
Average value	22.8	51573	33.94	8.01	7.03

*Water quality measured at the same depth as sample collection (i.e., within 1 meter from the surface).

Notes: samples collected ~30 ft. NE of sample location due to wind/presence in marina channel. Tied to NE dock. Hull cleaner observed leaving marina when arriving at station. Two paddle boarders w/in 20 ft of vessel during sampling.

FIELD WATER QUALITY DATA SHEET

Station Identification: SIYB-1

Date: (mm/dd/yyyy) 08/16/2022

Time on Station: (hh:mm) 1540

Time of Sample Collection: 1550

Time of CTD Cast: 1623

GPS: (WGS84) Lat. 32.71811 Long. -117.22605

Tide (ft): +3.8

Time of Slack High Tide: 13:14

Water Depth (ft): 19.0'

Wind (mph): 5-6 W

Weather conditions: Sunny, slight breeze

Surface Water Conditions: light texture, outgoing tide/current

Water Visibility (ft): 12.0'

Time of Measurement	Temperature (°C)	Sp. Cond. (µS/cm)	Salinity (ppt)	pH	DO (mg/L)
Upon arrival on station	23.3	51621	33.98	8.01	7.03
During sample collection	23.4	51615	33.98	7.99	6.99
End of sample collection	23.3	51625	33.98	8.01	7.05
Average value	23.3	51620	33.98	8.00	7.02

*Water quality measured at the same depth as sample collection (i.e., within 1 meter from the surface).

Notes: Hull cleaner obsered setting up at Silver Seas Yacht dock ~30yds NE. Entered the water post-sampling. Replicate chemistry samples collected (see separate data sheet).

FIELD WATER QUALITY DATA SHEET

Station Identification: SIYB-1-REP

Date: (mm/dd/yyyy) 08/16/2022

Time on Station: (hh:mm) 1540

Time of Sample Collection: 1640

Time of CTD Cast: N/A

GPS: (WGS84) Lat. 32.71820 Long. -117. 22607

Tide (ft): +3.1

Time of Slack High Tide: 1314

Water Depth (ft): 18.4'

Wind (mph): 3 W

Weather conditions: sunny, light breeze

Surface Water Conditions: light texture, outgoing tide/current

Water Visibility (ft): 12.0'

Time of Measurement	Temperature (°C)	Sp. Cond. (µS/cm)	Salinity (ppt)	pH	DO (mg/L)
Upon arrival on station	23.2	51652	33.98	8.04	7.16
During sample collection	22.9	51631	33.97	8.01	7.24
End of sample collection	23.1	51646	34.00	8.00	7.20
Average value	23.1	51643	33.98	8.02	7.20

*Water quality measured at the same depth as sample collection (i.e., within 1 meter from the surface).

Notes: vessel approached slip nearby sampling location at ~1635 (~15 ft S). Refrained from sampling until engine was turned off and vessel was docked.

FIELD WATER QUALITY DATA SHEET

Station Identification: SIYB-FB

Date: (mm/dd/yyyy) 08/10/22

Time on Station: (hh:mm) N/A

Time of Sample Collection: 1700

Time of CTD Cast: N/A

GPS: (WGS84) Lat. N/A Long. N/A

Tide (ft): +2.9

Time of Slack High Tide: 1314

Water Depth (ft): N/A

Wind (mph): 5 W

Weather conditions: Sunny, light breeze

Surface Water Conditions: N/A

Water Visibility (ft): N/A

Time of Measurement	Temperature (°C)	Sp. Cond. (µS/cm)	Salinity (ppt)	pH	DO (mg/L)
Upon arrival on station					
During sample collection			N/A		
End of sample collection					
Average value					

*Water quality measured at the same depth as sample collection (i.e., within 1 meter from the surface).

Notes: Field Blank. Collected @ SIYB-1

FIELD QA/QC CHECKLISTS

FIELD SAMPLING QA CHECKLIST

Station Location: SIYB-ER **Date/Time:** 08/16/2022 ~~0725~~ arrive

collect 0740

Mark each box with Y, N, or NA

Field Procedures

1. Station Occupation:

Vessel has been anchored (or tied off)	NA
Station GPS coordinates (approx. ± 3 m) and station identification verified and recorded	NA
Tide recorded	NA
Weather conditions recorded	Y
Surface water conditions (incl. currents) recorded (including H_2O clarity by Secchi disk)	NA
Time of sampling recorded	Y
Water depth at sample site recorded	NA
General site observations recorded	Y
Check for boat cleaning operations in the area – if active, move to a new station	NA

2. Sample Collection:

Field staff wearing fresh, powder-free nitrile gloves	Y
Vessel engine has been shut off for 3-5 minutes prior to sampling	NA
SWAMP protocols utilized to avoid sample contamination (i.e., clean hands/dirty hands technique)	Y
Sampling instrument given site water rinse prior to deployment DI RINSE	NA
Sample bottles correctly labeled and match the station identification	Y
Sample bottles correctly labeled with date and time in accordance with Table 10 in the QAPP	Y
Sample bottles are lab-certified, contaminant-free in accordance with Table 10 in the QAPP	Y
Sample bottles contain correct preservative in accordance with Table 10 in the QAPP	Y
Samples bottles and containers are the correct type in accordance with Table 10 in the QAPP	Y
Sampling depth delineated on sampling instrument with a clear marking (sampling must occur within 1 m of surface)	NA
Field water quality readings taken 3 times: when arriving on station, while water samples are collected and again while sample bottles are being filled	NA
Sampling depth recorded	NA
Sample bottles filled in the following order: metals, organics, ~~toxicity~~	~~NA~~ Y
Staff avoided contaminating samples at all times	Y
Equipment rinsate blank and field blank have been collected (if applicable)	Y
Site replicate (i.e., duplicate) collected (if applicable)	NA
PPE properly removed and disposed of upon station completion	Y

FIELD SAMPLING QA CHECKLIST

3. Data Recording:

Field notes have been recorded for this site before moving to the next	Y
Water samples properly logged on COC form	Y
Proper persons have signed the COC	Y

4. Sample Storage:

Water samples properly stored on ice in a cooler	Y
Cooler and samples hand delivered to labs	Y
Completed COC included with courier to hand deliver to labs	Y

Additional Notes:

collected @ transit dock before embarking

Signature of QA/QC Personnel: [signature] **Date/Time:** 8/17/22 1005

Print Name/Company: Rolf Schottle / Wood

PORT OF SAN DIEGO
SIYB DISSOLVED COPPER TMDL
2022 SUMMER MONITORING EVENT

FIELD SAMPLING QA CHECKLIST

Station Location: SIYB-REF-2 **Date/Time:** 8/16/22 ~~0850~~

Mark each box with Y, N, or NA

arrive: 0840
collect: 0855

Field Procedures

1. Station Occupation:

Vessel has been anchored (or tied off) live boat	NA
Station GPS coordinates (approx. ± 3 m) and station identification verified and recorded	Y
Tide recorded	Y
Weather conditions recorded	Y
Surface water conditions (incl. currents) recorded (including H_2O clarity by Secchi disk)	Y
Time of sampling recorded	Y
Water depth at sample site recorded	Y
General site observations recorded	Y
Check for boat cleaning operations in the area – if active, move to a new station none	NA

2. Sample Collection:

Field staff wearing fresh, powder-free nitrile gloves	Y
Vessel engine has been shut off for 3-5 minutes prior to sampling	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 bottles correctly labeled and match the station identification	Y
Sample bottles correctly labeled with date and time in accordance with Table 10 in the QAPP	Y
Sample bottles are lab-certified, contaminant-free in accordance with Table 10 in the QAPP	Y
Sample bottles contain correct preservative in accordance with Table 10 in the QAPP	Y
Samples bottles and containers are the correct type in accordance with Table 10 in the QAPP	Y
Sampling depth delineated on sampling instrument with a clear marking (sampling must occur within 1 m of surface)	Y
Field water quality readings taken ~~3~~ 1 times: when arriving on station, while water samples are collected and again while sample bottles are being filled	Y, n=1
Sampling depth recorded	Y
Sample bottles filled in the following order: metals, organics, ~~toxicity~~	Y
Staff avoided contaminating samples at all times	Y
Equipment rinsate blank and field blank have been collected (if applicable)	NA
Site replicate (i.e., duplicate) collected (if applicable)	NA
PPE properly removed and disposed of upon station completion	Y

FIELD SAMPLING QA CHECKLIST

3. Data Recording:

Field notes have been recorded for this site before moving to the next	Y
Water samples properly logged on COC form	Y
Proper persons have signed the COC	Y

4. Sample Storage:

Water samples properly stored on ice in a cooler	Y
Cooler and samples hand delivered to labs	Y
Completed COC included with courier to hand deliver to labs	Y

Additional Notes:

AB

This sample processed @ Ref/site

Signature of QA/QC Personnel: ____________ **Date/Time:** 8/19/22 1005

Print Name/Company: Rolf Schottle / Wood

PORT OF SAN DIEGO
SIYB DISSOLVED COPPER TMDL
2022 SUMMER MONITORING EVENT

FIELD SAMPLING QA CHECKLIST

Station Location: SIYB-REF-1 **Date/Time:** 8/16/22 0955 (collect)
arrive: 0930

Mark each box with Y, N, or NA

Field Procedures

1. Station Occupation:

Vessel has been anchored (or tied off)	Y
Station GPS coordinates (approx. ± 3 m) and station identification verified and recorded	Y
Tide recorded	Y
Weather conditions recorded	Y
Surface water conditions (incl. currents) recorded (including H_2O clarity by Secchi disk) 12.5 ft	Y
Time of sampling recorded	Y
Water depth at sample site recorded	Y
General site observations recorded	Y
Check for boat cleaning operations in the area – if active, move to a new station	NA

2. Sample Collection:

Field staff wearing fresh, powder-free nitrile gloves	Y
Vessel engine has been shut off for 3-5 minutes prior to sampling	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 bottles correctly labeled and match the station identification	Y
Sample bottles correctly labeled with date and time in accordance with Table 10 in the QAPP	Y
Sample bottles are lab-certified, contaminant-free in accordance with Table 10 in the QAPP	Y
Sample bottles contain correct preservative in accordance with Table 10 in the QAPP	Y
Samples bottles and containers are the correct type in accordance with Table 10 in the QAPP	Y
Sampling depth delineated on sampling instrument with a clear marking (sampling must occur within 1 m of surface)	Y
Field water quality readings taken 3 times when arriving on station, while water samples are collected and again while sample ~~bottles~~ are being filled	Y
Sampling depth recorded	Y
Sample bottles filled in the following order: metals, organics, toxicity	Y
Staff avoided contaminating samples at all times	Y
Equipment rinsate blank and field blank have been collected (if applicable)	NA
Site replicate (i.e., duplicate) collected (if applicable)	NA
PPE properly removed and disposed of upon station completion	Y

FIELD SAMPLING QA CHECKLIST

3. Data Recording:

Field notes have been recorded for this site before moving to the next	Y
Water samples properly logged on COC form	Y
Proper persons have signed the COC	Y

4. Sample Storage:

Water samples properly stored on ice in a cooler	Y
Cooler and samples hand delivered to labs	Y
Completed COC included with courier to hand deliver to labs	Y

Additional Notes:

AB [illegible]

Signature of QA/QC Personnel: [signature] **Date/Time:** 8/07/22 1005

Print Name/Company: Rolf Schottle / Wood

PORT OF SAN DIEGO
SIYB DISSOLVED COPPER TMDL
2022 SUMMER MONITORING EVENT

FIELD SAMPLING QA CHECKLIST

Station Location: SMB-6 **Date/Time:** 8/16/22 arrive 1045

collect: 1055

Mark each box with Y, N, or NA

Field Procedures

1. Station Occupation:

Vessel has been anchored or tied off	Y
Station GPS coordinates (approx. ± 3 m) and station identification verified and recorded	Y
Tide recorded	Y
Weather conditions recorded	Y
Surface water conditions (incl. currents) recorded (including H_2O clarity by Secchi disk)	Y
Time of sampling recorded	Y
Water depth at sample site recorded	Y
General site observations recorded	Y
Check for boat cleaning operations in the area – if active, move to a new station* none*	Y

2. Sample Collection:

Field staff wearing fresh, powder-free nitrile gloves	Y
Vessel engine has been shut off for 3-5 minutes prior to sampling	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 bottles correctly labeled and match the station identification	Y
Sample bottles correctly labeled with date and time in accordance with Table 10 in the QAPP	Y
Sample bottles are lab-certified, contaminant-free in accordance with Table 10 in the QAPP	Y
Sample bottles contain correct preservative in accordance with Table 10 in the QAPP	Y
Samples bottles and containers are the correct type in accordance with Table 10 in the QAPP	Y
Sampling depth delineated on sampling instrument with a clear marking (sampling must occur within 1 m of surface)	Y
Field water quality readings taken 3 times: when arriving on station, while water samples are collected and again while sample bottles are being filled	Y
Sampling depth recorded	Y
Sample bottles filled in the following order: metals, organics, toxicity	Y
Staff avoided contaminating samples at all times	Y
Equipment rinsate blank and field blank have been collected (if applicable)	NA
Site replicate (i.e., duplicate) collected (if applicable)	NA
PPE properly removed and disposed of upon station completion	Y

FIELD SAMPLING QA CHECKLIST

3. Data Recording:

Field notes have been recorded for this site before moving to the next	Y
Water samples properly logged on COC form	Y
Proper persons have signed the COC	Y

4. Sample Storage:

Water samples properly stored on ice in a cooler	Y
Cooler and samples hand delivered to labs	Y
Completed COC included with courier to hand deliver to labs	Y

Additional Notes:

AB

Signature of QA/QC Personnel: **Date/Time:** 8/17/22 1005

Print Name/Company: Wood R. Schottle

PORT OF SAN DIEGO
SIYB DISSOLVED COPPER TMDL
2022 SUMMER MONITORING EVENT

FIELD SAMPLING QA CHECKLIST

Station Location: SIYB-5 **Date/Time:** 8/16/22 arrive 1205

Mark each box with Y, N, or NA collect: 1215

Field Procedures

1. Station Occupation:

Vessel has been anchored (or tied off)	Y
Station GPS coordinates (approx. ± 3 m) and station identification verified and recorded	Y
Tide recorded	Y
Weather conditions recorded	Y
Surface water conditions (incl. currents) recorded (including H_2O clarity by Secchi disk)	Y
Time of sampling recorded	Y
Water depth at sample site recorded	Y
General site observations recorded	Y
Check for boat cleaning operations in the area – if active, move to a new station none	Y

2. Sample Collection:

Field staff wearing fresh, powder-free nitrile gloves	Y
Vessel engine has been shut off for 3-5 minutes prior to sampling	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 bottles correctly labeled and match the station identification	Y
Sample bottles correctly labeled with date and time in accordance with Table 10 in the QAPP	Y
Sample bottles are lab-certified, contaminant-free in accordance with Table 10 in the QAPP	Y
Sample bottles contain correct preservative in accordance with Table 10 in the QAPP	Y
Samples bottles and containers are the correct type in accordance with Table 10 in the QAPP	Y
Sampling depth delineated on sampling instrument with a clear marking (sampling must occur within 1 m of surface)	Y
Field water quality readings taken 3 times: when arriving on station, while water samples are collected and again while sample bottles are being filled	Y
Sampling depth recorded	Y
Sample bottles filled in the following order: metals, organics, toxicity	Y
Staff avoided contaminating samples at all times	Y
Equipment rinsate blank and field blank have been collected (if applicable)	NA
Site replicate (i.e., duplicate) collected (if applicable)	NA
PPE properly removed and disposed of upon station completion	Y

FIELD SAMPLING QA CHECKLIST

3. Data Recording:

Field notes have been recorded for this site before moving to the next	Y
Water samples properly logged on COC form	Y
Proper persons have signed the COC	Y

4. Sample Storage:

Water samples properly stored on ice in a cooler	Y
Cooler and samples hand delivered to labs	Y
Completed COC included with courier to hand deliver to labs	Y

Additional Notes:

AB

Signature of QA/QC Personnel: ______ **Date/Time:** 8/17/22 1055

Print Name/Company: Rolf Schottle / Wood

FIELD SAMPLING QA CHECKLIST

Station Location: SIYB-4 **Date/Time:** 8/16/22 arrive 1255
Collect 1310

Mark each box with Y, N, or NA

Field Procedures

1. Station Occupation:

Vessel has been anchored (or tied off)	Y
Station GPS coordinates (approx. ± 3 m) and station identification verified and recorded	Y
Tide recorded	Y
Weather conditions recorded	Y
Surface water conditions (incl. currents) recorded (including H_2O clarity by Secchi disk)	Y
Time of sampling recorded	Y
Water depth at sample site recorded	Y
General site observations recorded	Y
Check for boat cleaning operations in the area – if active, move to a new station (none during sampling)	Y

2. Sample Collection:

Field staff wearing fresh, powder-free nitrile gloves	Y
Vessel engine has been shut off for 3-5 minutes prior to sampling	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 bottles correctly labeled and match the station identification	Y
Sample bottles correctly labeled with date and time in accordance with Table 10 in the QAPP	Y
Sample bottles are lab-certified, contaminant-free in accordance with Table 10 in the QAPP	Y
Sample bottles contain correct preservative in accordance with Table 10 in the QAPP	Y
Samples bottles and containers are the correct type in accordance with Table 10 in the QAPP	Y
Sampling depth delineated on sampling instrument with a clear marking (sampling must occur within 1 m of surface)	Y
Field water quality readings taken 3 times: when arriving on station, while water samples are collected and again while sample bottles are being filled	Y
Sampling depth recorded	Y
Sample bottles filled in the following order: metals, organics, toxicity	Y
Staff avoided contaminating samples at all times	Y
Equipment rinsate blank and field blank have been collected (if applicable)	NA
Site replicate (i.e., duplicate) collected (if applicable)	NA
PPE properly removed and disposed of upon station completion	Y

FIELD SAMPLING QA CHECKLIST

3. Data Recording:

Field notes have been recorded for this site before moving to the next	Y
Water samples properly logged on COC form	Y
Proper persons have signed the COC	Y

4. Sample Storage:

Water samples properly stored on ice in a cooler	Y
Cooler and samples hand delivered to labs	Y
Completed COC included with courier to hand deliver to labs	Y

Additional Notes:

AB

Signature of QA/QC Personnel: ______ **Date/Time:** 8/17/22 1005

Print Name/Company: Rolf Schottle / Wood

PORT OF SAN DIEGO
SIYB DISSOLVED COPPER TMDL
2022 SUMMER MONITORING EVENT

FIELD SAMPLING QA CHECKLIST

Station Location: SIYB-3 **Date/Time:** 8/16/22 arrive 1410

collect: 1415

Mark each box with Y, N, or NA

Field Procedures

1. Station Occupation:

Vessel has been anchored (or tied off)	Y
Station GPS coordinates (approx. ± 3 m) and station identification verified and recorded	Y
Tide recorded	Y
Weather conditions recorded	Y
Surface water conditions (incl. currents) recorded (including H_2O clarity by Secchi disk)	Y
Time of sampling recorded	Y
Water depth at sample site recorded	Y
General site observations recorded	Y
Check for boat cleaning operations in the area – if active, move to a new station	Y

2. Sample Collection:

Field staff wearing fresh, powder-free nitrile gloves	Y
Vessel engine has been shut off for 3-5 minutes prior to sampling	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 bottles correctly labeled and match the station identification	Y
Sample bottles correctly labeled with date and time in accordance with Table 10 in the QAPP	Y
Sample bottles are lab-certified, contaminant-free in accordance with Table 10 in the QAPP	Y
Sample bottles contain correct preservative in accordance with Table 10 in the QAPP	Y
Samples bottles and containers are the correct type in accordance with Table 10 in the QAPP	Y
Sampling depth delineated on sampling instrument with a clear marking (sampling must occur within 1 m of surface)	Y
Field water quality readings taken 3 times: when arriving on station, while water samples are collected and again while sample bottles are being filled	Y
Sampling depth recorded 2.4	Y
Sample bottles filled in the following order: metals, organics, toxicity	Y
Staff avoided contaminating samples at all times	Y
Equipment rinsate blank and field blank have been collected (if applicable)	NA
Site replicate (i.e., duplicate) collected (if applicable)	NA
PPE properly removed and disposed of upon station completion	Y

FIELD SAMPLING QA CHECKLIST

3. Data Recording:

Field notes have been recorded for this site before moving to the next	Y
Water samples properly logged on COC form	Y.
Proper persons have signed the COC	Y

4. Sample Storage:

Water samples properly stored on ice in a cooler	Y
Cooler and samples hand delivered to labs	Y
Completed COC included with courier to hand deliver to labs	Y

Additional Notes:

AB

Signature of QA/QC Personnel: ______ **Date/Time:** 8/17/22 1005

Print Name/Company: Rolf Schottle / Wood

PORT OF SAN DIEGO
SIYB DISSOLVED COPPER TMDL
2022 SUMMER MONITORING EVENT

FIELD SAMPLING QA CHECKLIST

Station Location: SIYB-2 **Date/Time:** 8/16/22 arrive 1450
collect: 1500

Mark each box with Y, N, or NA

Field Procedures

1. Station Occupation:

Vessel has been anchored (or tied off)	Y
Station GPS coordinates (approx. ± 3 m)* and station identification verified and recorded	Y N *~30'
Tide recorded	Y
Weather conditions recorded	Y
Surface water conditions (incl. currents) recorded (including H_2O clarity by Secchi disk)	Y
Time of sampling recorded	Y
Water depth at sample site recorded	Y
General site observations recorded	Y
Check for boat cleaning operations in the area – if active, move to a new station none	ok

one cleaner in transit.

2. Sample Collection:

Field staff wearing fresh, powder-free nitrile gloves	Y
Vessel engine has been shut off for 3-5 minutes prior to sampling	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 bottles correctly labeled and match the station identification	Y
Sample bottles correctly labeled with date and time in accordance with Table 10 in the QAPP	Y
Sample bottles are lab-certified, contaminant-free in accordance with Table 10 in the QAPP	Y
Sample bottles contain correct preservative in accordance with Table 10 in the QAPP	Y
Samples bottles and containers are the correct type in accordance with Table 10 in the QAPP	Y
Sampling depth delineated on sampling instrument with a clear marking (sampling must occur within 1 m of surface)	Y
Field water quality readings taken 3 times: when arriving on station, while water samples are collected and again while sample bottles are being filled	Y
Sampling depth recorded	Y
Sample bottles filled in the following order: metals, organics, toxicity	Y
Staff avoided contaminating samples at all times	Y
Equipment rinsate blank and field blank have been collected (if applicable)	NA
Site replicate (i.e., duplicate) collected (if applicable)	NA
PPE properly removed and disposed of upon station completion	Y

FIELD SAMPLING QA CHECKLIST

3. Data Recording:

Field notes have been recorded for this site before moving to the next	Y
Water samples properly logged on COC form	Y
Proper persons have signed the COC	Y

4. Sample Storage:

Water samples properly stored on ice in a cooler	Y
Cooler and samples hand delivered to labs	Y
Completed COC included with courier to hand deliver to labs	Y

Additional Notes:

AB

Signature of QA/QC Personnel: ________ **Date/Time:** 8/17/22 1005

Print Name/Company: Rolf Schottle / Wood

FIELD SAMPLING QA CHECKLIST

Station Location: SIYB-7 **Date/Time:** 8/16/22 1540 (arrive)

Collect: 1550

Mark each box with Y, N, or NA

Field Procedures

1. Station Occupation:

Vessel has been anchored (or tied off)	Y
Station GPS ~~coordinates~~ (approx. ± 3 m) and station identification verified and recorded	Y
Tide recorded	Y
Weather conditions recorded	Y
Surface water conditions (incl. currents) recorded (including H_2O clarity by Secchi disk)	Y
Time of sampling recorded	Y
Water depth at sample site recorded 18.1	Y
General site observations recorded	Y
Check for boat cleaning operations in the area – if active, move to a new station (none)	Y

2. Sample Collection:

Field staff wearing fresh, powder-free nitrile gloves	Y
Vessel engine has been shut off for 3-5 minutes prior to sampling	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 bottles correctly labeled and match the station identification	Y
Sample bottles correctly labeled with date and time in accordance with Table 10 in the QAPP	Y
Sample bottles are lab-certified, contaminant-free in accordance with Table 10 in the QAPP	Y
Sample bottles contain correct preservative in accordance with Table 10 in the QAPP	Y
Samples bottles and containers are the correct type in accordance with Table 10 in the QAPP	Y
Sampling depth delineated on sampling instrument with a clear marking (sampling must occur within 1 m of surface)	Y
Field water quality readings taken 3 times: when arriving on station, while water samples are collected and again while sample bottles are being filled	Y
Sampling depth recorded	Y
Sample bottles filled in the following order: metals, organics, toxicity	Y
Staff avoided contaminating samples at all times	Y
Equipment rinsate blank and field blank have been collected (if applicable)	NA
Site replicate (i.e., duplicate) collected (if applicable)	Yes!
PPE properly removed and disposed of upon station completion	Y

FIELD SAMPLING QA CHECKLIST

3. Data Recording:

Field notes have been recorded for this site before moving to the next	Y
Water samples properly logged on COC form	Y
Proper persons have signed the COC	Y

4. Sample Storage:

Water samples properly stored on ice in a cooler	Y
Cooler and samples hand delivered to labs	Y
Completed COC included with courier to hand deliver to labs	Y

Additional Notes:

AB

Signature of QA/QC Personnel: ______ **Date/Time:** 8/17/22 / 1005

Print Name/Company: Rolf Schottle / Wood

FIELD SAMPLING QA CHECKLIST

Station Location: SIYB-1-REP **Date/Time:** 8/16/22 1540 arrive

Collect: 1640

Mark each box with Y, N, or NA

Field Procedures

1. Station Occupation:

Vessel has been anchored (or tied off) @ SIYB-1	Y
Station GPS coordinates (approx. ± 3 m) and station identification verified and recorded	Y
Tide recorded	Y
Weather conditions recorded	Y
Surface water conditions (incl. currents) recorded (including H_2O clarity by Secchi disk)	Y
Time of sampling recorded	Y
Water depth at sample site recorded	Y
General site observations recorded	Y
Check for boat cleaning operations in the area – if active, move to a new station none	Y

2. Sample Collection:

Field staff wearing fresh, powder-free nitrile gloves	Y
Vessel engine has been shut off for 3-5 minutes prior to sampling (waited for boat to turn off motor)	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 bottles correctly labeled and match the station identification	Y
Sample bottles correctly labeled with date and time in accordance with Table 10 in the QAPP	Y
Sample bottles are lab-certified, contaminant-free in accordance with Table 10 in the QAPP	Y
Sample bottles contain correct preservative in accordance with Table 10 in the QAPP	Y
Samples bottles and containers are the correct type in accordance with Table 10 in the QAPP	Y
Sampling depth delineated on sampling instrument with a clear marking (sampling must occur within 1 m of surface)	Y
Field water quality readings taken 3 times: when arriving on station, while water samples are collected and again while sample bottles are being filled	Y
Sampling depth recorded	Y
Sample bottles filled in the following order: metals, organics, toxicity	Y
Staff avoided contaminating samples at all times	Y
Equipment rinsate blank and field blank have been collected (if applicable)	NA
Site replicate (i.e., duplicate) collected (if applicable)	Y
PPE properly removed and disposed of upon station completion	Y

FIELD SAMPLING QA CHECKLIST

3. Data Recording:

Field notes have been recorded for this site before moving to the next	Y
Water samples properly logged on COC form	Y
Proper persons have signed the COC	Y

4. Sample Storage:

Water samples properly stored on ice in a cooler	Y
Cooler and samples hand delivered to labs	Y
Completed COC included with courier to hand deliver to labs	Y

Additional Notes:

AB

Signature of QA/QC Personnel: **Date/Time:** 8/17/22 1005

Print Name/Company: Rolf Schottle / Wood

FIELD SAMPLING QA CHECKLIST

Station Location: FB **Date/Time:** 8/16/22 ~~1640~~ 1700 pm

Mark each box with Y, N, or NA

Field Procedures

1. Station Occupation:

Vessel has been anchored (or tied off) @ 5170-1	Y
Station GPS coordinates (approx. ± 3 m) and station identification verified and recorded	NA
Tide recorded	~~NA~~ Y
Weather conditions recorded	~~NA~~ Y
Surface water conditions (incl. currents) recorded (including H_2O clarity by Secchi disk)	NA
Time of sampling recorded	Y
Water depth at sample site recorded	NA
General site observations recorded	NA
Check for boat cleaning operations in the area – if active, move to a new station (mnc)	—

2. Sample Collection:

Field staff wearing fresh, powder-free nitrile gloves	Y
Vessel engine has been shut off for 3-5 minutes prior to sampling	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	NA
Sample bottles correctly labeled and match the station identification	Y
Sample bottles correctly labeled with date and time in accordance with Table 10 in the QAPP	Y
Sample bottles are lab-certified, contaminant-free in accordance with Table 10 in the QAPP	Y
Sample bottles contain correct preservative in accordance with Table 10 in the QAPP	Y
Samples bottles and containers are the correct type in accordance with Table 10 in the QAPP	Y
Sampling depth delineated on sampling instrument with a clear marking (sampling must occur within 1 m of surface)	NA
Field water quality readings taken 3 times: when arriving on station, while water samples are collected and again while sample bottles are being filled	NA
Sampling depth recorded	NA
Sample bottles filled in the following order: metals, organics, ~~toxicity~~	Y
Staff avoided contaminating samples at all times	Y
Equipment rinsate blank ~~and~~ field blank have been collected (if applicable)	Y
Site replicate (i.e., duplicate) ~~collected~~ (if applicable)	NA
PPE properly removed and disposed of upon station completion	Y

FIELD SAMPLING QA CHECKLIST

3. Data Recording:

Field notes have been recorded for this site before moving to the next last sample	Y
Water samples properly logged on COC form	Y
Proper persons have signed the COC	Y

4. Sample Storage:

Water samples properly stored on ice in a cooler	Y
Cooler and samples hand delivered to labs	Y
Completed COC included with courier to hand deliver to labs	Y

Additional Notes:

AB

Signature of QA/QC Personnel:

Date/Time: 8/17/22 1005

Print Name/Company: R Schottle / Wood

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CHEMISTRY REPORT

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FINAL REPORT

Work Orders:	2H17020	**Report Date:**	8/30/2022
		Received Date:	8/17/2022
Project:	2022 SIYB TMDL Summer Monitoring (Port of San Diego)	**Turnaround Time:**	Normal
		Phones:	(858) 300-4324
		Fax:	(858) 278-5300
		P.O. #:	
Attn:	Marisa Swiderski	**Billing Code:**	
Client:	Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123		

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 • 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 8/17/22 with the Chain-of-Custody document. The samples were received in good condition, at 1.6 °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

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FINAL REPORT

Wood - San Diego
9177 Sky Park Court, Ste A
San Diego, CA 92123

Project Number: 2022 SIYB TMDL Summer Monitoring (Port of San Diego)

Project Manager: Marisa Swiderski

Reported: 08/30/2022 12:47

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
SIYB-1	Marisa Swiderski/Kate Buckley	2H17020-01	Sea Water	08/16/22 15:50	
SIYB-1 (REP)	Marisa Swiderski/Kate Buckley	2H17020-02	Sea Water	08/16/22 16:40	
SIYB-2	Marisa Swiderski/Kate Buckley	2H17020-03	Sea Water	08/16/22 15:00	
SIYB-3	Marisa Swiderski/Kate Buckley	2H17020-04	Sea Water	08/16/22 14:15	
SIYB-4	Marisa Swiderski/Kate Buckley	2H17020-05	Sea Water	08/16/22 13:10	
SIYB-5	Marisa Swiderski/Kate Buckley	2H17020-06	Sea Water	08/16/22 12:15	
SIYB-6	Marisa Swiderski/Kate Buckley	2H17020-07	Sea Water	08/16/22 10:55	
SIYB-REF-1	Marisa Swiderski/Kate Buckley	2H17020-08	Sea Water	08/16/22 09:55	
SIYB-REF-2	Marisa Swiderski/Kate Buckley	2H17020-09	Sea Water	08/16/22 08:55	
SIYB-ER	Marisa Swiderski/Kate Buckley	2H17020-10	Water	08/16/22 07:40	
SIYB-FB	Marisa Swiderski/Kate Buckley	2H17020-11	Water	08/16/22 17:00	

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Project Number: 2022 SIYB TMDL Summer Monitoring (Port of San Diego)

Project Manager: Marisa Swiderski

Reported: 08/30/2022 12:47

Sample Results

Sample: SIYB-1 — 2H17020-01 (Sea Water)

Sampled: 08/16/22 15:50 by Marisa Swiderski/Kate Buckley

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods							
Method: SM 2540D — **Instr:** OVEN15							
Batch ID: W2H1719 — **Preparation:** _NONE (WETCHEM) — **Prepared:** 08/22/22 10:41 — **Analyst:** ymt							
Total Suspended Solids	**2**		5	mg/l	1	08/22/22	J
Method: SM 5310B — **Instr:** TOC02							
Batch ID: W2H1452 — **Preparation:** _NONE (TOC/TOX) — **Prepared:** 08/17/22 12:15 — **Analyst:** ajc							
Total Organic Carbon (TOC)	**1.6**	0.19	0.30	mg/l	1	08/17/22	
Method: SM 5310B — **Instr:** TOC02							
Batch ID: W2H1453 — **Preparation:** _NONE (TOC/TOX) — **Prepared:** 08/17/22 12:17 — **Analyst:** ajc							
Dissolved Organic Carbon	**1.4**	0.15	0.30	mg/l	1	08/18/22	
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640 — **Instr:** ICPMS03							
Batch ID: W2H1651 — **Preparation:** EPA 1640#Preconcentration — **Prepared:** 08/19/22 12:33 — **Analyst:** ALN							
Copper, Total	**12**	0.0038	0.010	ug/l	1	08/23/22	
Zinc, Total	**27**	0.036	0.20	ug/l	1	08/23/22	
Method: EPA 1640 — **Instr:** ICPMS03							
Batch ID: W2H1652 — **Preparation:** EPA 1640#Preconcentration — **Prepared:** 08/19/22 12:43 — **Analyst:** ALN							
Copper, Dissolved	**11**	0.0038	0.010	ug/l	1	08/23/22	
Zinc, Dissolved	**27**	0.036	0.20	ug/l	1	08/23/22	

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Project Number: 2022 SIYB TMDL Summer Monitoring (Port of San Diego)

Project Manager: Marisa Swiderski

Reported: 08/30/2022 12:47

Sample Results

(Continued)

Sample: SIYB-1 (REP) — Sampled: 08/16/22 16:40 by Marisa Swiderski/Kate Buckley

2H17020-02 (Sea Water)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods							
Method: SM 2540D — **Instr:** OVEN15							
Batch ID: W2H1719 — **Preparation:** _NONE (WETCHEM) — **Prepared:** 08/22/22 10:41 — **Analyst:** ymt							
Total Suspended Solids	**6**		5	mg/l	1	08/22/22	
Method: SM 5310B — **Instr:** TOC02							
Batch ID: W2H1452 — **Preparation:** _NONE (TOC/TOX) — **Prepared:** 08/17/22 12:15 — **Analyst:** ajc							
Total Organic Carbon (TOC)	**1.4**	0.19	0.30	mg/l	1	08/17/22	
Method: SM 5310B — **Instr:** TOC02							
Batch ID: W2H1453 — **Preparation:** _NONE (TOC/TOX) — **Prepared:** 08/17/22 12:17 — **Analyst:** ajc							
Dissolved Organic Carbon	**1.4**	0.15	0.30	mg/l	1	08/18/22	
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640 — **Instr:** ICPMS03							
Batch ID: W2H1651 — **Preparation:** EPA 1640#Preconcentration — **Prepared:** 08/19/22 12:33 — **Analyst:** ALN							
Copper, Total	**11**	0.0038	0.010	ug/l	1	08/23/22	
Zinc, Total	**27**	0.036	0.20	ug/l	1	08/23/22	
Method: EPA 1640 — **Instr:** ICPMS03							
Batch ID: W2H1652 — **Preparation:** EPA 1640#Preconcentration — **Prepared:** 08/19/22 12:43 — **Analyst:** ALN							
Copper, Dissolved	**10**	0.0038	0.010	ug/l	1	08/23/22	
Zinc, Dissolved	**26**	0.036	0.20	ug/l	1	08/23/22	

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FINAL REPORT

Wood - San Diego
9177 Sky Park Court, Ste A
San Diego, CA 92123

Project Number: 2022 SIYB TMDL Summer Monitoring (Port of San Diego)

Project Manager: Marisa Swiderski

Reported: 08/30/2022 12:47

Sample Results

(Continued)

Sample: SIYB-2 — Sampled: 08/16/22 15:00 by Marisa Swiderski/Kate Buckley

2H17020-03 (Sea Water)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods							
Method: SM 2540D — **Instr:** OVEN15							
Batch ID: W2H1719 — **Preparation:** _NONE (WETCHEM) — **Prepared:** 08/22/22 10:41 — **Analyst:** ymt							
Total Suspended Solids	**8**		5	mg/l	1	08/22/22	
Method: SM 5310B — **Instr:** TOC02							
Batch ID: W2H1452 — **Preparation:** _NONE (TOC/TOX) — **Prepared:** 08/17/22 12:15 — **Analyst:** ajc							
Total Organic Carbon (TOC)	**1.4**	0.19	0.30	mg/l	1	08/17/22	
Method: SM 5310B — **Instr:** TOC02							
Batch ID: W2H1453 — **Preparation:** _NONE (TOC/TOX) — **Prepared:** 08/17/22 12:17 — **Analyst:** ajc							
Dissolved Organic Carbon	**1.4**	0.15	0.30	mg/l	1	08/18/22	
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640 — **Instr:** ICPMS03							
Batch ID: W2H1651 — **Preparation:** EPA 1640#Preconcentration — **Prepared:** 08/19/22 12:33 — **Analyst:** ALN							
Copper, Total	**8.1**	0.0038	0.010	ug/l	1	08/23/22	
Zinc, Total	**19**	0.036	0.20	ug/l	1	08/23/22	
Method: EPA 1640 — **Instr:** ICPMS03							
Batch ID: W2H1652 — **Preparation:** EPA 1640#Preconcentration — **Prepared:** 08/19/22 12:43 — **Analyst:** ALN							
Copper, Dissolved	**7.7**	0.0038	0.010	ug/l	1	08/23/22	
Zinc, Dissolved	**19**	0.036	0.20	ug/l	1	08/23/22	

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Wood - San Diego
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San Diego, CA 92123

Project Number: 2022 SIYB TMDL Summer Monitoring (Port of San Diego)

Project Manager: Marisa Swiderski

Reported: 08/30/2022 12:47

Sample Results

(Continued)

Sample: SIYB-3 — 2H17020-04 (Sea Water)

Sampled: 08/16/22 14:15 by Marisa Swiderski/Kate Buckley

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods							
Method: SM 2540D — **Instr:** OVEN15							
Batch ID: W2H1719 — **Preparation:** _NONE (WETCHEM) — **Prepared:** 08/22/22 10:41 — **Analyst:** ymt							
Total Suspended Solids	**3**		5	mg/l	1	08/22/22	J
Method: SM 5310B — **Instr:** TOC02							
Batch ID: W2H1452 — **Preparation:** _NONE (TOC/TOX) — **Prepared:** 08/17/22 12:15 — **Analyst:** ajc							
Total Organic Carbon (TOC)	**1.4**	0.19	0.30	mg/l	1	08/17/22	
Method: SM 5310B — **Instr:** TOC02							
Batch ID: W2H1453 — **Preparation:** _NONE (TOC/TOX) — **Prepared:** 08/17/22 12:17 — **Analyst:** ajc							
Dissolved Organic Carbon	**1.3**	0.15	0.30	mg/l	1	08/18/22	
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640 — **Instr:** ICPMS03							
Batch ID: W2H1651 — **Preparation:** EPA 1640#Preconcentration — **Prepared:** 08/19/22 12:33 — **Analyst:** ALN							
Copper, Total	**6.0**	0.0038	0.010	ug/l	1	08/23/22	
Zinc, Total	**14**	0.036	0.20	ug/l	1	08/23/22	
Method: EPA 1640 — **Instr:** ICPMS03							
Batch ID: W2H1652 — **Preparation:** EPA 1640#Preconcentration — **Prepared:** 08/19/22 12:43 — **Analyst:** ALN							
Copper, Dissolved	**5.4**	0.0038	0.010	ug/l	1	08/23/22	
Zinc, Dissolved	**13**	0.036	0.20	ug/l	1	08/23/22	

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Project Number: 2022 SIYB TMDL Summer Monitoring (Port of San Diego)

Project Manager: Marisa Swiderski

Reported: 08/30/2022 12:47

Sample Results

(Continued)

Sample: SIYB-4 — 2H17020-05 (Sea Water)

Sampled: 08/16/22 13:10 by Marisa Swiderski/Kate Buckley

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods							
Method: SM 2540D — **Instr:** OVEN15							
Batch ID: W2H1641 — **Preparation:** _NONE (WETCHEM) — **Prepared:** 08/19/22 11:08 — **Analyst:** jao							
Total Suspended Solids	**4**		5	mg/l	1	08/19/22	J
Method: SM 5310B — **Instr:** TOC02							
Batch ID: W2H1452 — **Preparation:** _NONE (TOC/TOX) — **Prepared:** 08/17/22 12:15 — **Analyst:** ajc							
Total Organic Carbon (TOC)	**1.5**	0.19	0.30	mg/l	1	08/17/22	
Method: SM 5310B — **Instr:** TOC02							
Batch ID: W2H1453 — **Preparation:** _NONE (TOC/TOX) — **Prepared:** 08/17/22 12:17 — **Analyst:** ajc							
Dissolved Organic Carbon	**1.3**	0.15	0.30	mg/l	1	08/18/22	
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640 — **Instr:** ICPMS03							
Batch ID: W2H1651 — **Preparation:** EPA 1640#Preconcentration — **Prepared:** 08/19/22 12:33 — **Analyst:** ALN							
Copper, Total	**5.6**	0.0038	0.010	ug/l	1	08/23/22	
Zinc, Total	**13**	0.036	0.20	ug/l	1	08/23/22	
Method: EPA 1640 — **Instr:** ICPMS03							
Batch ID: W2H1652 — **Preparation:** EPA 1640#Preconcentration — **Prepared:** 08/19/22 12:43 — **Analyst:** ALN							
Copper, Dissolved	**5.3**	0.0038	0.010	ug/l	1	08/23/22	
Zinc, Dissolved	**14**	0.036	0.20	ug/l	1	08/23/22	

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San Diego, CA 92123

Project Number: 2022 SIYB TMDL Summer Monitoring (Port of San Diego)

Project Manager: Marisa Swiderski

Reported: 08/30/2022 12:47

Sample Results

(Continued)

Sample: SIYB-5 — 2H17020-06 (Sea Water)

Sampled: 08/16/22 12:15 by Marisa Swiderski/Kate Buckley

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods							
Method: SM 2540D — **Instr:** OVEN15							
Batch ID: W2H1641 — **Preparation:** _NONE (WETCHEM) — **Prepared:** 08/19/22 11:08 — **Analyst:** jao							
Total Suspended Solids	**4**		5	mg/l	1	08/19/22	J
Method: SM 5310B — **Instr:** TOC02							
Batch ID: W2H1452 — **Preparation:** _NONE (TOC/TOX) — **Prepared:** 08/17/22 12:15 — **Analyst:** ajc							
Total Organic Carbon (TOC)	**1.3**	0.19	0.30	mg/l	1	08/17/22	
Method: SM 5310B — **Instr:** TOC02							
Batch ID: W2H1453 — **Preparation:** _NONE (TOC/TOX) — **Prepared:** 08/17/22 12:17 — **Analyst:** ajc							
Dissolved Organic Carbon	**1.3**	0.15	0.30	mg/l	1	08/18/22	
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640 — **Instr:** ICPMS03							
Batch ID: W2H1651 — **Preparation:** EPA 1640#Preconcentration — **Prepared:** 08/19/22 12:33 — **Analyst:** ALN							
Copper, Total	**5.6**	0.0038	0.010	ug/l	1	08/23/22	
Zinc, Total	**14**	0.036	0.20	ug/l	1	08/23/22	
Method: EPA 1640 — **Instr:** ICPMS03							
Batch ID: W2H1652 — **Preparation:** EPA 1640#Preconcentration — **Prepared:** 08/19/22 12:43 — **Analyst:** ALN							
Copper, Dissolved	**5.0**	0.0038	0.010	ug/l	1	08/23/22	
Zinc, Dissolved	**13**	0.036	0.20	ug/l	1	08/23/22	

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Project Number: 2022 SIYB TMDL Summer Monitoring (Port of San Diego)

Project Manager: Marisa Swiderski

Reported: 08/30/2022 12:47

Sample Results

(Continued)

Sample: SIYB-6 — Sampled: 08/16/22 10:55 by Marisa Swiderski/Kate Buckley

2H17020-07 (Sea Water)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods							
Method: SM 2540D			**Instr:** OVEN15				
Batch ID: W2H1641 — **Preparation:** _NONE (WETCHEM)			**Prepared:** 08/19/22 11:08				**Analyst:** jao
Total Suspended Solids	**4**		5	mg/l	1	08/19/22	J
Method: SM 5310B			**Instr:** TOC02				
Batch ID: W2H1452 — **Preparation:** _NONE (TOC/TOX)			**Prepared:** 08/17/22 12:15				**Analyst:** ajc
Total Organic Carbon (TOC)	**1.3**	0.19	0.30	mg/l	1	08/17/22	
Method: SM 5310B			**Instr:** TOC02				
Batch ID: W2H1453 — **Preparation:** _NONE (TOC/TOX)			**Prepared:** 08/17/22 12:17				**Analyst:** ajc
Dissolved Organic Carbon	**1.2**	0.15	0.30	mg/l	1	08/18/22	
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			**Instr:** ICPMS03				
Batch ID: W2H1651 — **Preparation:** EPA 1640#Preconcentration			**Prepared:** 08/19/22 12:33				**Analyst:** ALN
Copper, Total	**2.6**	0.0038	0.010	ug/l	1	08/23/22	
Zinc, Total	**7.2**	0.036	0.20	ug/l	1	08/23/22	
Method: EPA 1640			**Instr:** ICPMS03				
Batch ID: W2H1652 — **Preparation:** EPA 1640#Preconcentration			**Prepared:** 08/19/22 12:43				**Analyst:** ALN
Copper, Dissolved	**2.1**	0.0038	0.010	ug/l	1	08/23/22	
Zinc, Dissolved	**6.4**	0.036	0.20	ug/l	1	08/23/22	

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Reported: 08/30/2022 12:47

Sample Results

(Continued)

Sample: SIYB-REF-1 — Sampled: 08/16/22 9:55 by Marisa Swiderski/Kate Buckley
2H17020-08 (Sea Water)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods							
Method: SM 2540D			**Instr:** OVEN15				
Batch ID: W2H1641 — **Preparation:** _NONE (WETCHEM)			**Prepared:** 08/19/22 11:08				**Analyst:** jao
Total Suspended Solids	**4**		5	mg/l	1	08/19/22	J
Method: SM 5310B			**Instr:** TOC02				
Batch ID: W2H1452 — **Preparation:** _NONE (TOC/TOX)			**Prepared:** 08/17/22 12:15				**Analyst:** ajc
Total Organic Carbon (TOC)	**1.4**	0.19	0.30	mg/l	1	08/17/22	
Method: SM 5310B			**Instr:** TOC02				
Batch ID: W2H1453 — **Preparation:** _NONE (TOC/TOX)			**Prepared:** 08/17/22 12:17				**Analyst:** ajc
Dissolved Organic Carbon	**1.3**	0.15	0.30	mg/l	1	08/18/22	
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			**Instr:** ICPMS03				
Batch ID: W2H1651 — **Preparation:** EPA 1640#Preconcentration			**Prepared:** 08/19/22 12:33				**Analyst:** ALN
Copper, Total	**1.2**	0.0038	0.010	ug/l	1	08/23/22	
Zinc, Total	**4.1**	0.036	0.20	ug/l	1	08/23/22	
Method: EPA 1640			**Instr:** ICPMS03				
Batch ID: W2H1652 — **Preparation:** EPA 1640#Preconcentration			**Prepared:** 08/19/22 12:43				**Analyst:** ALN
Copper, Dissolved	**0.78**	0.0038	0.010	ug/l	1	08/23/22	
Zinc, Dissolved	**2.3**	0.036	0.20	ug/l	1	08/23/22	

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Reported: 08/30/2022 12:47

Sample Results

(Continued)

Sample: SIYB-REF-2 — Sampled: 08/16/22 8:55 by Marisa Swiderski/Kate Buckley

2H17020-09 (Sea Water)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods							
Method: SM 2540D — **Instr:** OVEN15							
Batch ID: W2H1641 — **Preparation:** _NONE (WETCHEM) — **Prepared:** 08/19/22 11:08 — **Analyst:** jao							
Total Suspended Solids	**5**		5	mg/l	1	08/19/22	
Method: SM 5310B — **Instr:** TOC02							
Batch ID: W2H1452 — **Preparation:** _NONE (TOC/TOX) — **Prepared:** 08/17/22 12:15 — **Analyst:** ajc							
Total Organic Carbon (TOC)	**1.3**	0.19	0.30	mg/l	1	08/17/22	
Method: SM 5310B — **Instr:** TOC02							
Batch ID: W2H1453 — **Preparation:** _NONE (TOC/TOX) — **Prepared:** 08/17/22 12:17 — **Analyst:** ajc							
Dissolved Organic Carbon	**1.4**	0.15	0.30	mg/l	1	08/18/22	
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640 — **Instr:** ICPMS03							
Batch ID: W2H1651 — **Preparation:** EPA 1640#Preconcentration — **Prepared:** 08/19/22 12:33 — **Analyst:** ALN							
Copper, Total	**1.6**	0.0038	0.010	ug/l	1	08/23/22	
Zinc, Total	**5.6**	0.036	0.20	ug/l	1	08/23/22	
Method: EPA 1640 — **Instr:** ICPMS03							
Batch ID: W2H1652 — **Preparation:** EPA 1640#Preconcentration — **Prepared:** 08/19/22 12:43 — **Analyst:** ALN							
Copper, Dissolved	**1.2**	0.0038	0.010	ug/l	1	08/23/22	
Zinc, Dissolved	**4.9**	0.036	0.20	ug/l	1	08/23/22	

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Reported: 08/30/2022 12:47

Sample Results

(Continued)

Sample: SIYB-ER
2H17020-10 (Water)

Sampled: 08/16/22 7:40 by Marisa Swiderski/Kate Buckley

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods							
Method: SM 2540D — **Instr:** OVEN15							
Batch ID: W2H1641 — **Preparation:** _NONE (WETCHEM) — **Prepared:** 08/19/22 11:08 — **Analyst:** jao							
Total Suspended Solids	**0.4**		5	mg/l	1	08/19/22	J
Method: SM 5310B — **Instr:** TOC02							
Batch ID: W2H1452 — **Preparation:** _NONE (TOC/TOX) — **Prepared:** 08/17/22 12:15 — **Analyst:** ajc							
Total Organic Carbon (TOC)	**0.38**	0.19	0.30	mg/l	1	08/17/22	
Method: SM 5310B — **Instr:** TOC02							
Batch ID: W2H1453 — **Preparation:** _NONE (TOC/TOX) — **Prepared:** 08/17/22 12:17 — **Analyst:** ajc							
Dissolved Organic Carbon	**0.34**	0.15	0.30	mg/l	1	08/18/22	
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640 — **Instr:** ICPMS03							
Batch ID: W2H1651 — **Preparation:** EPA 1640#Preconcentration — **Prepared:** 08/19/22 12:33 — **Analyst:** ALN							
Copper, Total	**0.064**	0.0038	0.010	ug/l	1	08/23/22	
Zinc, Total	**1.5**	0.036	0.20	ug/l	1	08/23/22	
Method: EPA 1640 — **Instr:** ICPMS03							
Batch ID: W2H1652 — **Preparation:** EPA 1640#Preconcentration — **Prepared:** 08/19/22 12:43 — **Analyst:** ALN							
Copper, Dissolved	**0.076**	0.0038	0.010	ug/l	1	08/23/22	
Zinc, Dissolved	**0.40**	0.036	0.20	ug/l	1	08/23/22	

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Reported: 08/30/2022 12:47

Sample Results

(Continued)

Sample: SIYB-FB — Sampled: 08/16/22 17:00 by Marisa Swiderski/Kate Buckley

2H17020-11 (Water)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods							
Method: SM 2540D			**Instr:** OVEN15				
Batch ID: W2H1719 — **Preparation:** _NONE (WETCHEM)			**Prepared:** 08/22/22 10:41				**Analyst:** ymt
Total Suspended Solids	**0.1**		5	mg/l	1	08/22/22	J
Method: SM 5310B			**Instr:** TOC02				
Batch ID: W2H1452 — **Preparation:** _NONE (TOC/TOX)			**Prepared:** 08/17/22 12:15				**Analyst:** ajc
Total Organic Carbon (TOC)	**0.31**	0.19	0.30	mg/l	1	08/18/22	
Method: SM 5310B			**Instr:** TOC02				
Batch ID: W2H1453 — **Preparation:** _NONE (TOC/TOX)			**Prepared:** 08/17/22 12:17				**Analyst:** ajc
Dissolved Organic Carbon	**0.28**	0.15	0.30	mg/l	1	08/18/22	J
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640			**Instr:** ICPMS03				
Batch ID: W2H1651 — **Preparation:** EPA 1640#Preconcentration			**Prepared:** 08/19/22 12:33				**Analyst:** ALN
Copper, Total	**0.036**	0.0038	0.010	ug/l	1	08/23/22	
Zinc, Total	**0.060**	0.036	0.20	ug/l	1	08/23/22	J
Method: EPA 1640			**Instr:** ICPMS03				
Batch ID: W2H1652 — **Preparation:** EPA 1640#Preconcentration			**Prepared:** 08/19/22 12:43				**Analyst:** ALN
Copper, Dissolved	**0.0094**	0.0038	0.010	ug/l	1	08/23/22	J
Zinc, Dissolved	ND	0.036	0.20	ug/l	1	08/23/22	

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Reported: 08/30/2022 12:47

Quality Control Results

Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1452 - SM 5310B											
Blank (W2H1452-BLK1)					**Prepared & Analyzed: 08/17/22**						
Total Organic Carbon (TOC)	ND	0.19	0.30	mg/l							
LCS (W2H1452-BS1)					**Prepared & Analyzed: 08/17/22**						
Total Organic Carbon (TOC)	1.95	0.19	0.30	mg/l	2.00		98	76-115		20	
Matrix Spike (W2H1452-MS1)	**Source: 2H17020-01**				**Prepared & Analyzed: 08/17/22**						
Total Organic Carbon (TOC)	3.24	0.19	0.30	mg/l	2.00	1.58	83	76-115		20	
Matrix Spike Dup (W2H1452-MSD1)	**Source: 2H17020-01**				**Prepared & Analyzed: 08/17/22**						
Total Organic Carbon (TOC)	3.12	0.19	0.30	mg/l	2.00	1.58	77	76-115	4	20	
Batch: W2H1453 - SM 5310B											
Blank (W2H1453-BLK1)					**Prepared: 08/17/22 Analyzed: 08/18/22**						
Dissolved Organic Carbon	ND	0.15	0.30	mg/l							
LCS (W2H1453-BS1)					**Prepared: 08/17/22 Analyzed: 08/18/22**						
Dissolved Organic Carbon	2.05	0.15	0.30	mg/l	2.00		103	74-120		20	
Matrix Spike (W2H1453-MS1)	**Source: 2H17020-01**				**Prepared: 08/17/22 Analyzed: 08/18/22**						
Dissolved Organic Carbon	3.33	0.15	0.30	mg/l	2.00	1.38	97	74-120		20	
Matrix Spike Dup (W2H1453-MSD1)	**Source: 2H17020-01**				**Prepared: 08/17/22 Analyzed: 08/18/22**						
Dissolved Organic Carbon	3.36	0.15	0.30	mg/l	2.00	1.38	99	74-120	0.9	20	
Batch: W2H1641 - SM 2540D											
Blank (W2H1641-BLK1)					**Prepared & Analyzed: 08/19/22**						
Total Suspended Solids	ND		5	mg/l							
LCS (W2H1641-BS1)					**Prepared & Analyzed: 08/19/22**						
Total Suspended Solids	51.0		5	mg/l	55.2		92	90-110			
Duplicate (W2H1641-DUP1)	**Source: 2H16012-01**				**Prepared & Analyzed: 08/19/22**						
Total Suspended Solids	36.4		5	mg/l		35.3			3	10	
Duplicate (W2H1641-DUP2)	**Source: 2H16143-01**				**Prepared & Analyzed: 08/19/22**						
Total Suspended Solids	7.60		5	mg/l		7.50			1	10	
Batch: W2H1719 - SM 2540D											
Blank (W2H1719-BLK1)					**Prepared & Analyzed: 08/22/22**						
Total Suspended Solids	0.100		5	mg/l							J
Blank (W2H1719-BLK2)					**Prepared & Analyzed: 08/22/22**						
Total Suspended Solids	ND		5	mg/l							
LCS (W2H1719-BS1)					**Prepared & Analyzed: 08/22/22**						
Total Suspended Solids	58.9		5	mg/l	56.1		105	90-110			
LCS (W2H1719-BS2)					**Prepared & Analyzed: 08/22/22**						
Total Suspended Solids	55.9		5	mg/l	51.4		109	90-110			
Duplicate (W2H1719-DUP1)	**Source: 2H16088-06**				**Prepared & Analyzed: 08/22/22**						
Total Suspended Solids	35.6		5	mg/l		37.5			5	10	
Duplicate (W2H1719-DUP2)	**Source: 2H17039-01**				**Prepared & Analyzed: 08/22/22**						

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Quality Control Results

(Continued)

Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1719 - SM 2540D (Continued)											
Duplicate (W2H1719-DUP2)	**Source: 2H17039-01**				**Prepared & Analyzed: 08/22/22**						
Total Suspended Solids	30.7		5	mg/l		28.0			9	10	
Duplicate (W2H1719-DUP3)	**Source: 2H17020-01**				**Prepared & Analyzed: 08/22/22**						
Total Suspended Solids	2.80		5	mg/l		2.50			11	10	R-03, J

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Quality Control Results

(Continued)

Metals - Low Level by 1600 Series Methods

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1651 - EPA 1640											
Blank (W2H1651-BLK1)					**Prepared: 08/19/22 Analyzed: 08/23/22**						
Copper, Total	ND	0.0038	0.010	ug/l							
Zinc, Total	ND	0.036	0.20	ug/l							
LCS (W2H1651-BS1)					**Prepared: 08/19/22 Analyzed: 08/23/22**						
Copper, Total	9.32	0.0038	0.010	ug/l	10.0		93	83-109		25	
Zinc, Total	28.0	0.036	0.20	ug/l	30.0		93	68-132		30	
Matrix Spike (W2H1651-MS1)	**Source: 2H17020-01**				**Prepared: 08/19/22 Analyzed: 08/23/22**						
Copper, Total	20.2	0.0038	0.010	ug/l	10.0	11.8	84	83-109		25	
Zinc, Total	53.2	0.036	0.20	ug/l	30.0	27.4	86	68-132		30	
Matrix Spike (W2H1651-MS2)	**Source: 2H17020-11**				**Prepared: 08/19/22 Analyzed: 08/23/22**						
Copper, Total	9.23	0.0038	0.010	ug/l	10.0	0.0360	92	83-109		25	
Zinc, Total	28.3	0.036	0.20	ug/l	30.0	0.0603	94	68-132		30	
Matrix Spike Dup (W2H1651-MSD1)	**Source: 2H17020-01**				**Prepared: 08/19/22 Analyzed: 08/23/22**						
Copper, Total	20.8	0.0038	0.010	ug/l	10.0	11.8	90	83-109	3	25	
Zinc, Total	56.2	0.036	0.20	ug/l	30.0	27.4	96	68-132	5	30	
Matrix Spike Dup (W2H1651-MSD2)	**Source: 2H17020-11**				**Prepared: 08/19/22 Analyzed: 08/23/22**						
Copper, Total	9.36	0.0038	0.010	ug/l	10.0	0.0360	93	83-109	1	25	
Zinc, Total	28.3	0.036	0.20	ug/l	30.0	0.0603	94	68-132	0.2	30	
Batch: W2H1652 - EPA 1640											
Blank (W2H1652-BLK1)					**Prepared: 08/19/22 Analyzed: 08/23/22**						
Copper, Dissolved	0.00858	0.0038	0.010	ug/l							J
Zinc, Dissolved	0.0376	0.036	0.20	ug/l							J
LCS (W2H1652-BS1)					**Prepared: 08/19/22 Analyzed: 08/23/22**						
Copper, Dissolved	8.95	0.0038	0.010	ug/l	10.0		89	70-130		30	
Zinc, Dissolved	27.2	0.036	0.20	ug/l	30.0		91	68-132		30	
Matrix Spike (W2H1652-MS1)	**Source: 2H17020-01**				**Prepared: 08/19/22 Analyzed: 08/23/22**						
Copper, Dissolved	19.6	0.0038	0.010	ug/l	10.0	11.2	84	70-130		30	
Zinc, Dissolved	52.1	0.036	0.20	ug/l	30.0	27.0	84	68-132		30	
Matrix Spike (W2H1652-MS2)	**Source: 2H17020-11**				**Prepared: 08/19/22 Analyzed: 08/23/22**						
Copper, Dissolved	9.22	0.0038	0.010	ug/l	10.0	0.00941	92	70-130		30	
Zinc, Dissolved	27.7	0.036	0.20	ug/l	30.0	ND	92	68-132		30	
Matrix Spike Dup (W2H1652-MSD1)	**Source: 2H17020-01**				**Prepared: 08/19/22 Analyzed: 08/23/22**						
Copper, Dissolved	19.5	0.0038	0.010	ug/l	10.0	11.2	83	70-130	0.4	30	
Zinc, Dissolved	52.7	0.036	0.20	ug/l	30.0	27.0	86	68-132	1	30	
Matrix Spike Dup (W2H1652-MSD2)	**Source: 2H17020-11**				**Prepared: 08/19/22 Analyzed: 08/23/22**						
Copper, Dissolved	9.48	0.0038	0.010	ug/l	10.0	0.00941	95	70-130	3	30	
Zinc, Dissolved	28.5	0.036	0.20	ug/l	30.0	ND	95	68-132	3	30	

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Project Number: 2022 SIYB TMDL Summer Monitoring (Port of San Diego)

Project Manager: Marisa Swiderski

Reported: 08/30/2022 12:47

Notes and Definitions

Item	Definition
J	Estimated conc. detected <MRL and >MDL.
R-03	The RPD is not applicable for result below the reporting limit (either ND or J value).
%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

STANDARD 2H17020

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CLIENT NAME: Wood Environment & Infrastructure Solutions, Inc.

ADDRESS: 9177 Sky Park Ct. San Diego, CA 92123

PROJECT MANAGER: Marisa Swiderski

PROJECT: 2022 SIYB TMDL Summer Monitoring (Port of San Diego)

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SAMPLER: Marisa Swiderski (MS) / Kate Buckley (KB)

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- ☐ 4 - 5 Day Rush 30%
- ☐ Rush Extractions 50%
- ☑ 10 Business Days
- ☐ QA/QC Data Package

Charges will apply for weekends/holidays

Method of Shipment:

ANALYSES REQUESTED

ID# (For lab Use Only)	DATE SAMPLED	TIME SAMPLED	SMPL TYPE	SAMPLE IDENTIFICATION/SITE LOCATION	# OF CONT.	Total Copper[1] EPA 1640 MDL 0.0038 µg/L, RL= 0.01 µg/L	Dissolved Copper[1,2] EPA 1640 MDL 0.0038 µg/L, RL= 0.01 µg/L	Total Zinc[1] EPA 1640 MDL 0.036 µg/L, RL= 0.20 µg/L	Dissolved Zinc[1,2] EPA 1640 MDL 0.036 µg/L, RL= 0.20 µg/L	Total Organic Carbon (TOC) SM 5310B MDL = 0.016 mg/L, RL = 0.10 mg/L	Dissolved Organic Carbon (DOC)[3] SM 5310B MDL = 0.016 mg/L, RL = 0.10 mg/L	Total Suspended Solids EPA 2540 D, MDL = 1 mg/L, RL = 5 mg/L				COMMENTS
	08/16/22	1550	seawater	SIYB-1	15	X	X	X	X	X	X	X				extra vol. analyze sample MS/MSD
	08/16/22	1640	seawater	SIYB-1 (REP)	7	X	X	X	X	X	X	X				
	08/16/22	1500	seawater	SIYB-2	7	X	X	X	X	X	X	X				
	08/16/22	1415	seawater	SIYB-3	7	X	X	X	X	X	X	X				
	08/16/22	1310	seawater	SIYB-4	7	X	X	X	X	X	X	X				
	08/16/22	1215	seawater	SIYB-5	7	X	X	X	X	X	X	X				
	08/16/22	1055	seawater	SIYB-6	7	X	X	X	X	X	X	X				
	08/16/22	0955	seawater	SIYB-REF-1	7	X	X	X	X	X	X	X				
	08/16/22	0855	seawater	SIYB-REF-2	7	X	X	X	X	X	X	X				
	08/16/22	0740	DI	SIYB-ER	7	X	X	X	X	X	X	X				
	08/16/22	1700	DI	SIYB-FB	7	X	X	X	X	X	X	X				

RELINQUISHED BY	DATE / TIME	RECEIVED BY
[signature]	8/16/22 1820	[signature]
Marisa Swiderski	8/17/22 0800	[signature]
[signature]	8-17-22 10:00	[signature] 8/17/22 10:00

SAMPLE CONDITION:
Actual Temperature: 1.6

Received On Ice	(Y) / N
Preserved	(Y) / N
Evidence Seals Present	Y / (N)
Container Intact	Y / (N)
Preserved at Lab	Y / (N)

TV69

SAMPLE TYPE CODE:
AQ=Aqueous
NA= Non Aqueous
SL = Sludge
DW = Drinking Water
WW = Waste Water
RW = Rain Water
GW = Ground Water
SO = Soil
SW = Solid Waste
OL = Oil
OT = Other Matrix

SPECIAL REQUIREMENTS / BILLING INFORMATION

1) **LAB ACTION**: PRESERVE Cu/Zn IMMEDIATELY. HDPE Metals bottles have NO acid (HNO3) in bottle.
2) Diss. metals were field filtered using 0.45 um bottletop filt. system.
3) DOC samples were field filtered through 0.45 um Nylon filters.
4) Preserve extra of each sample for total and dissolved metals to archive.
5) SPIKE level at the following amounts: Copper = 10 ug/L, Zinc = 30 ug/L, TOC/DOC = 2.0 mg/L
6) WECK will contact Wood PM within 24 hours if any sample anomalies are found.

Please submit invoices to APInvoice.US@woodplc.com and include the following information :
1) Project #: 2015100118.0002A.WECK
(2) PO #: C015102550
(3) Org: 3151
(4) GL: 573000

WECK LABORATORIES, INC.

Sample Receipt Checklist

Weck WKO: **2H17020**
WKO Logged by: Lester Abad
Samples Checked by: LKA

Date/Time Received: 08/17/22 @ 10:00
# of Samples: 11
Delivered by: Fedex

	Task	Yes	No	N/A	Comments
COC	COC present at receipt?	☒	☐		
	COC properly completed?	☒	☐		
	COC matches sample labels?	☒	☐		
	Project Manager notified?	☐	☐	☒	
Receipt Information	Sample Temperature	1.6°C			
	Samples received on ice?	☒	☐		
	Ice Type (Blue/Wet)	WET			
	All samples intact?	☒	☐		
	Samples in proper containers?	☒	☐		
	Sufficient sample volume?	☒	☐		
	Samples intact?	☒	☐		
	Received within holding time?	☒	☐		
	Project Manager notified?	☐	☐	☒	
Sample Preservation Verification?	Sample labels checked for correct preservation?	☒	☐	☐	
	VOC Headspace: (No) none, If Yes (See comment) 524.2, 524.3, 624.1, 8260, 1666 P/T, LUFT	☐	☐	☒	☐ <6mm/Pea size?
	pH verified upon receipt? Metals <2; H2SO4 pres tests <2; 522<4; TOC <2; 525.2<2; 6710B<2; 608.3 5-9	☒	☐	☐	pH paper Lot# 2071882
	Free Chlorine Tested <0.1	☐	☐	☒	Cl Test Strip Lot# 061221E
	O&G pH <2 verified?	☐	☐	☐	pH paper Lot# pH Reading:
	pH adjusted for O&G	☐	☐	☐	Acid Lot# Amt added:
	Project Manager notified?	☐	☐	☒	

PM Comments

Sample Receipt Checklist Prepared by:

Signature: LKA

Date: 08/17/22

WSP ENVIRONMENTAL TOXICOLOGY LABORATORY
TOXICITY REPORT

Results of Toxicity Testing for:
Shelter Island Yacht Basin
Total Maximum Daily Load Monitoring

Sample Collection: August 16, 2022
Summer Sampling Event

Submitted to:

WSP USA Environment & Infrastructure, Inc.
9177 Sky Park Court
San Diego, CA 92123

Testing Performed by:

WSP USA Environment & Infrastructure, Inc.
Environmental Toxicology Laboratory
4905 Morena Blvd., Suite 1304
San Diego, CA 92117

The WSP Environmental Toxicology Laboratory is certified by the State of California Department of Health Services – Environmental Lab Accreditation Program (ELAP) under Certificate Number 3010. All test results were obtained following EPA Protocol guidelines and internal QA Program requirements. The data and test results have been reviewed and verified by the following laboratory representative:

Verified by: Steve Carlson **Date:** 1/10/23.

INTRODUCTION

Located in the Port of San Diego, Shelter Island Yacht Basin (SIYB) was issued an Investigative Order (R9-2011-0036, amended from Resolution No. R9-2005-0019) from the San Diego Regional Water Quality Control Board that requires annual monitoring for the SIYB Dissolved Copper Total Maximum Daily Load (TMDL) program. The monitoring program requires the performance of water column toxicity testing at 7 locations within the basin area. The 7 sample sites are routinely tested for chronic toxicity with the mussel species *Mytilus galloprovincialis* and for acute toxicity with the Pacific topsmelt *Atherinops affinis*. In previous monitoring years, there have been many challenges with using Pacific topsmelt for toxicity testing including limited test organism supply and availability, as well as poor organism health and sensitivity due to difficulties culturing these organisms in a laboratory setting. Therefore, the acute toxicity tests were also conducted with the Inland silverside minnow *Menidia beryllina* for the summer monitoring event conducted in August 2022.

Staff from WSP USA Environment & Infrastructure, Inc. (WSP; formerly known as Wood Environment & Infrastructure Solutions, Inc.) collected and delivered all 7 samples to WSP's in-house Aquatic Toxicology Laboratory located in San Diego, California. The samples were collected on August 16, 2022, and testing was initiated on August 17, 2022.

MATERIALS & METHODS

Sample Information

Client:	Port of San Diego
Project Name:	Shelter Island Yacht Basin Annual TMDL Monitoring
Monitoring Period:	August 2022 (summer event)
Sample IDs (7 sites):	SIYB-1, SIYB-2, SIYB-3, SIYB-4, SIYB-5, SIYB-6, and SIYB-REF-1
Sample Collection Date, Times:	8/16/2022, 09:55 – 15:50
Sample Receipt Date, Time:	8/16/2022, 18:20

Table 1. Water Quality Measured Upon Sample Receipt

Sample ID	Temp. (°C)	pH (units)	DO (mg/L)	Salinity (ppt)	Alkalinity (mg/L)	TRC (mg/L)
SIYB-1	14.4	7.52	7.6	33.7	116	<0.02
SIYB-2	6.5	7.75	7.7	34.2	113	<0.02
SIYB-3	5.7	7.81	7.8	34.2	113	<0.02
SIYB-4	9.0	7.56	7.3	34.2	115	<0.02
SIYB-5	6.3	7.61	7.2	34.2	114	<0.02
SIYB-6	5.8	7.63	7.1	34.1	119	0.04
SIYB-REF-1	4.3	7.65	7.3	34.2	118	<0.02

DO = dissolved oxygen, TRC = total residual chlorine

Chronic Mussel Development Test Specifications

Test Period:	8/17/2022, 15:45 – 8/19/2022, 14:00
Test Organism:	*Mytilus galloprovincialis* (bivalve - mussel)
Test Organism Source:	Field-collected – Mission Bay (San Diego, CA)
Test Organism Age at start:	Fertilized embryos (<4 hours old)
Test Procedure:	48-hour embryo-larval development
Test Endpoint:	Combined survival & proportion normal (ASTM)
Test Concentrations:	Lab Control, 6.25, 12.5, 25, 50, and 100% sample
Treatment Concentrations:	Filter Control and 100% Filtered (1.2μm filter)
Lab Control/Dilution Water:	Natural seawater from the inlet at Scripps Institution of Oceanography (20-μm filtered)
Protocols Used:	EPA 1995 West Coast Manual (EPA/600/R-95/136); and ASTM 1998 (E 724-98).
EPA Test Acceptability Criteria:	Control: ≥50% survival; ≥90% proportion normal; and minimum significant difference (MSD) <25%
ASTM Test Acceptability Criteria:	Control: ≥70% combined survival/proportion normal
Reference Toxicant Test:	Lab Control, 2.5, 5.0, 10, 20, and 40 μg/L copper
Statistical Analysis Software:	CETIS™ v.1.9.3.0

Calculating the mussel test endpoint: Embryos within each test replicate are scored under a microscope by counting all larvae observed in the vial. Percent survival is evaluated by comparing the total number of larvae observed in each vial to an initial (time-zero) density count derived from 5 surrogate exposure chambers (vials) interspersed within the test and preserved immediately after adding embryos. Each larva is scored as normal or abnormal resulting in a second test endpoint; proportion normal. Normal development is exhibited by a clearly defined "D-shaped" shell with a clear straight line as a hinge, while abnormal development is exhibited by any clear abnormalities or differences to the normal "D-shaped" shell. This includes larva that have not fully developed a clear straight hinge (this is exhibited by a slightly curved hinge). Abnormal development was further enumerated to determine the magnitude of effect. The abnormal larvae were counted as having 1) a curved hinge, which indicates a moderate effect, or 2) more significant defects or abnormalities, which indicates a more severe effect. Examples of each of the larva (normal, abnormal with curved hinge, and abnormal with severe effects) are presented in Figure 1. A final combined surviving normal embryo endpoint is calculated by comparing the number of recovered normal embryos in each replicate test chamber to the average number of fertilized embryos counted in the time zero vials. Results for the combined embryo development endpoint are presented herein in the main report, with supporting summaries and analyses of the individual percent survival and percent normal endpoints included in Appendix A

Figure 1. Images of Bivalve Embryo Development Showing Normal vs Abnormal Morphology

1) Normal D-shape/straight hinge 2) Abnormal with curved hinge 3) Abnormal with severe effects

Pacific Topsmelt Acute Survival Test Specifications

Test Start Date, Time:	8/17/2022, 13:46 – 14:15
Test End Date, Time:	8/21/2022, 12:00 – 12:15
Test Organism:	*Atherinops affinis* (Pacific topsmelt)
Organism Source; Age at start:	Aquatic BioSystems (Fort Collins, CO); 10-days old
Test Procedure and Endpoint:	96-hour static-renewal acute survival test
Test Concentrations:	Lab Control and 100% each sample [1]
Replicates/Number of Organisms:	6 replicates/5 fish per replicate (30 fish/conc.)
Lab Control/Dilution Water:	Natural seawater collected from the inlet at Scripps Institution of Oceanography (34 ppt salinity)
USEPA Protocol:	EPA/821/R-02/012, 2002 Acute Manual
Test Acceptability Criteria:	≥90% mean survival in the control
Reference Toxicant Test:	Lab Control, 25, 50, 100, 200, and 400 μg/L copper
Statistical Software:	CETIS™ v1.9.3.0

[1] Due to a limited supply of topsmelt, only the 100% concentration was tested (see QA section)

Inland Silverside Acute Survival Test Specifications

Test Start Date, Time:	8/17/2022, 14:15 – 15:10
Test End Date, Time:	8/21/2022, 13:15 – 14:10
Test Organism:	*Menidia beryllina* (Inland Silverside minnow)
Organism Source; Age at start:	Aquatic BioSystems (Fort Collins, CO); 12-days old
Test Procedure and Endpoint:	96-hour static-renewal acute survival test
Test Concentrations:	Lab Control, 25, 50, and 100% each sample
Replicates/Number of Organisms:	6 replicates/5 fish per replicate (30 fish/conc.)
Lab Control/Dilution Water:	Natural seawater collected from the inlet at Scripps Institution of Oceanography (34 ppt salinity)
USEPA Protocol:	EPA/821/R-02/012, 2002 Acute Manual
Test Acceptability Criteria:	≥90% mean survival in the control
Reference Toxicant Test:	Lab Control, 25, 50, 100, 200, and 400 μg/L copper
Statistical Software:	CETIS™ v1.9.3.0

RESULTS

Test results were evaluated using two USEPA methods of analysis. The results were first analyzed using the traditional EPA statistical approach with multiple comparisons on a dilution series of concentrations to develop a No Observed Effect Concentration (NOEC) as described in the EPA test method documents (EPA 1995 and EPA 2002). Then, the results were analyzed using the newer EPA Test of Significant Toxicity (TST) approach, as referenced in USEPA 2010. The TST approach applies a modified t-test that accounts for the statistical power of the test and the magnitude of the biological effect in determining the presence of toxicity. The instream waste concentration (IWC) is the 100% sample. The IWC is compared to the Control for statistical analysis. The TST results in a "Pass" if there are no biologically significant effects with the sample (non-toxic), or it will result in a "Fail" if there are significant effects (toxic).

Chronic Mussel Test:

For the chronic mussel development test, mussel embryos were exposed to a serial dilution series of 6.25, 12.5, 25, 50, and 100% unfiltered sample from each of the 7 sites. For the chronic mussel test, the most significant effects were observed in water from Site SIYB-1, where there was a 37.9% effect observed in the 100% undiluted sample compared to the Lab Control. This 37.9% effect was significant using the traditional EPA method of analysis using a two-sample t-test, as well as the newer TST approach, which resulted in a NOEC equal to the 50% concentration. The other 6 sites all resulted in a 2.0% effect or less resulting in a NOEC equal to 100% sample and a Pass with the TST. The chronic test results for the unfiltered samples are summarized and presented in Table 2.

The 100% concentration for each sample was also tested after filtering with a 1.2 micron (μm) mesh screen to remove any potential algae or other native organisms. The 100% filtered sample was compared to a Filter Control (lab control water with the same filtered treatment). Once again, the greatest effect was observed in the SIYB-1 sample with a 58.9% response which resulted in a Fail with the TST. Therefore, the filtering process appeared to increase the toxicity of the sample (the percent effect went from 37.9% to 58.9% when the sample was filtered). The remaining 6 sites all resulted in less than an 8% effect which Passes with the TST. Summary results for the filtered samples are presented in Table 3.

As described in the Methods section, abnormal larvae were further enumerated as either having a curved hinge (moderate effect) or having clear abnormalities or defects (severe effect). During this round of testing, the frequency of curved hinges observed remained low as presented in Table 4. The greatest effect was observed in the 100% concentration of SIYB-1, with 2.0% with curved hinges in the unfiltered sample and 1.6% with curved hinges in the filtered sample. There was also 1.7% with curved hinges observed in the 100% filtered sample of SIYB-2. All other samples and concentrations resulted in less than 1.0% with curved hinges. All raw data and statistical analyses for the mussel tests are provided for reference in Appendix A.

Table 2. Summary of Chronic Mussel Test Results: Unfiltered Samples

Sample Concentration (%)	Sample ID / Combined Survival & Proportion Normal (%)						
	SIYB-1	SIYB-2	SIYB-3	SIYB-4	SIYB-5	SIYB-6	SIYB-REF-1
Lab Control	85.3	83.7	85.7	91.0	86.0	85.1	85.9
6.25	89.4	89.9	85.1	89.2	91.1	84.5	84.8
12.5	85.5	85.9	87.7	88.6	89.8	83.6	88.5
25	86.8	89.8	91.9	87.4	82.5	87.5	80.6
50	88.5	89.1	91.0	89.2	86.2	87.0	91.3
100	**52.9***	87.1	90.5	89.2	88.6	86.9	92.0
NOEC	50	100	100	100	100	100	100
EC_{50}	>100	>100	>100	>100	>100	>100	>100
% Effect	37.9	-4.0	-5.5	2.0	-3.0	-2.1	-7.1
TST Result	Fail	Pass	Pass	Pass	Pass	Pass	Pass

NOEC = the highest concentration tested which results in No Observed Effect
EC_{50} = the concentration expected to cause a 50% adverse effect to the organisms
% Effect = the % effect of the IWC compared to control; a negative value indicates the IWC outperformed the control
TST = Test of Significant Toxicity; a "Pass" indicates no toxicity was observed with the sample

Table 3. Summary of Chronic Mussel Test Results: 1.2 μm Filtered Samples

Sample Concentration (%)	Sample ID / Combined Survival & Proportion Normal (%)						
	SIYB-1	SIYB-2	SIYB-3	SIYB-4	SIYB-5	SIYB-6	SIYB-REF-1
Filter Control	86.3	84.0	88.8	89.4	86.7	88.7	89.4
100 filtered	**35.5***	77.8	90.1	83.8	82.5	81.7	86.6
NOEC	<100	100	100	100	100	100	100
% Effect	58.9	7.3	-1.4	6.2	4.9	7.9	3.1
TST Result	Fail	Pass	Pass	Pass	Pass	Pass	Pass

NOEC = the highest concentration tested which results in No Observed Effect
% Effect = the % effect of the IWC compared to control; a negative value indicates the IWC outperformed the control
TST = Test of Significant Toxicity; a "Pass" indicates no toxicity was observed with the sample

Table 4. Summary of Chronic Mussel Test: Percentage with Curved Hinges

Sample Concentration (%)	Sample ID / Mean Number of Curved Hinges (%)						
	SIYB-1	SIYB-2	SIYB-3	SIYB-4	SIYB-5	SIYB-6	SIYB-REF-1
Lab Control	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.25	0.0	0.0	0.0	0.2	0.0	0.0	0.0
12.5	0.1	0.0	0.1	0.0	0.0	0.0	0.1
25	0.0	0.1	0.0	0.0	0.0	0.0	0.0
50	0.2	0.3	0.0	0.0	0.0	0.0	0.0
100	2.0	0.0	0.0	0.1	0.0	0.0	0.0
Filter Control	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100 Filtered	1.6	1.7	0.0	0.3	0.0	0.0	0.0

Acute Pacific Topsmelt Test:

Due to a limited supply of topsmelt, only a single concentration (100%) was tested for all 7 sample sites, along with 3 concurrent sets of controls using clean filtered laboratory water (Lab Controls). There was a single Lab Control associated with 2-3 sample sites based on a grouped placement within the environmental chamber. Mean survival among the 3 Lab Controls ranged from 76.7% to 83.3%, while mean survival among the 7 sample sites in SIYB ranged from 70.0% to 86.7%. There was no toxicity observed for any of the 7 sites using the traditional EPA two sample t-test method of analysis (NOEC = 100% sample). The greatest effect was observed for SIYB-2 with a 16% effect. Although this result was not significant based on the traditional t-test method, it did result in a Fail based on the TST method of analysis. A summary of the acute topsmelt test results is presented in Table 5. All raw data and associated statistical analyses for the topsmelt tests are provided for reference in Appendix B.

For this test the mean survival in all 3 Lab Controls were less than the minimum 90% survival Test Acceptability Criterion (TAC). Therefore, the acute tests using Pacific topsmelt were not deemed valid for compliance reporting purposes (see QA section for more details).

Due to the many challenges experienced using Pacific topsmelt for toxicity testing in the current and previous monitoring years (e.g., limited organism supply and availability, poor organism health and sensitivity), the acute tests were also conducted using the inland silverside (an EPA-approved alternate test species[1]). Results from the acute inland silverside tests are presented in the next section.

---

1 The inland silverside (*Menidia beryllina*) is an EPA-approved alternate test species for Pacific topsmelt that is commonly used in environmental compliance testing nationwide (40 CFR Part 136; https://www.epa.gov/cwa-methods/whole-effluent-toxicity-methods).

Table 5. Summary of Acute Topsmelt Test Results

Sample Concentration (%)	Sample ID / Mean Survival (%)						
	SIYB-1	SIYB-2	SIYB-3	SIYB-4	SIYB-5	SIYB-6	SIYB-REF-1
Lab Control	83.3	83.3	83.3	83.3	76.7	76.7	76.7
100	83.3	70.0	80.0	86.7	70.0	76.7	83.3
NOEC	100	100	100	100	100	100	100
LC_{50}	>100	>100	>100	>100	>100	>100	>100
% Effect	0.0	16.0	4.0	-4.0	8.7	0.0	-8.7
TST Result	Pass	Fail	Pass	Pass	Pass	Pass	Pass

Note: due to a limited supply of topsmelt, the 25% and 50% concentrations were not tested
NOEC = the highest concentration tested which results in No Observed Effect
LC_{50} = the concentration expected to cause a lethal effect to 50% of the fish
% Effect = the % effect of the IWC compared to control; a negative value indicates the IWC outperformed the control
TST = Test of Significant Toxicity; a "Pass" indicates no toxicity was observed with the sample

Acute Inland Silverside Test:

The 96-hour acute fish test was also conducted using the Inland Silverside Minnow (*Menidia beryllina*), which is an EPA-approved alternative marine fish species. The fish culturing facility (Aquatic BioSystems) had a large supply of Silverside minnows enabling testing all 7 sample sites in SIYB to include a dilution series of 25, 50, and 100% for each sample location. The tests using Silversides were also initiated with 3 sets of concurrent Lab Controls. Mean survival of silverside minnows among all 3 Lab Controls ranged from 93.3% to 96.7%, exceeding the EPA TAC of 90%. Mean survival of silverside minnows among the 7 sample sites ranged from 90% to 100% survival, all of which were less than a 4% effect when compared to the Lab Controls. Therefore, all sites resulted in a NOEC equal to the 100% concentration using the traditional two sample t-test method of analysis, and all 7 also Passed the TST method of analysis. A summary of the acute test results using silverside minnows is presented in Table 6 with all raw data and statistical analyses presented in Appendix C.

Table 6. Summary of Acute Menidia Test Results

Sample Concentration (%)	Sample ID / Mean Survival (%)						
	SIYB-1	SIYB-2	SIYB-3	SIYB-4	SIYB-5	SIYB-6	SIYB-REF-1
Lab Control	93.3	93.3	96.7	96.7	96.7	96.7	96.7
25	100	93.3	96.7	93.3	96.7	100	100
50	96.7	96.7	96.7	96.7	96.7	93.3	90.0
100	96.7	90.0	96.7	93.3	93.3	93.3	100
NOEC	100	100	100	100	100	100	100
LC_{50}	>100	>100	>100	>100	>100	>100	>100
% Effect	-3.6	3.6	0.0	3.5	3.5	3.5	-3.5
TST Result	Pass	Pass	Pass	Pass	Pass	Pass	Pass

NOEC = the highest concentration tested which results in No Observed Effect
LC_{50} = the concentration expected to cause a lethal effect to 50% of the fish
% Effect = the % effect of the IWC compared to control; a negative value indicates the IWC outperformed the control
TST = Test of Significant Toxicity; a "Pass" indicates no toxicity was observed with the sample

QUALITY ASSURANCE

Samples were received by the WSP laboratory in good condition the same day as collected. The samples were checked in, water quality measured, and then held in cold storage (4°C) until testing. Both chronic and acute tests were initiated the following day within the 36-hour holding time limit. For test organisms, mussels were collected locally by WSP staff and held over at the Scripps Institution of Oceanography holding facility (jointly used) until the day of testing. Both acute marine fish species (Pacific topsmelt and Inland Silverside) were received by a commercial supplier (Aquatic BioSystems in Fort Collins, Colorado). Both batches of fish were received one day prior to testing. They were held in-house and allowed to acclimate to test conditions over a 24-hour period. There was <10% mortality with the fish during holding and Inland Silverside minnows appeared to be in good health prior to testing. However, there were concerns with the Pacific topsmelt. ABS is the only supplier of topsmelt in the United States, and they had very limited supplies available at the time of testing. They were only able to provide enough fish to initiate the 100% concentration for each site and upon arrival at the WSP lab they were less vibrant and active than desired. Further, because the fish were from a limited stock and the supplier indicated some challenges related to their production capability, there were concerns regarding the health and quality of the topsmelt going into the tests. These concerns were validated, as none of the Lab Controls met the minimum 90% survival for test acceptability.

Due to concerns with the topsmelt species, the lab also conducted the fish acute toxicity tests using the Inland Silverside (an EPA-approved alternative marine fish species). There were plenty of Silverside fish available, and they appeared to be in good health upon arrival at the WSP lab. The acute tests conducted with the Silverside minnows met the EPA method TAC with greater than 90% survival in all three Lab Controls. Therefore, the acute test results with the Inland Silverside were deemed valid and used for compliance and reporting purposes.

For the chronic mussel test, each sample was tested with its own Lab Control. All 7 Lab Controls met the EPA TAC of 50% or greater survival and 90% or greater proportion normal. The Lab Controls also met the ASTM TAC of 70% or greater for the combined survival and proportion normal endpoint. All samples were analyzed for the combined endpoint to determine percent effects and statistical results using the TST. All chronic mussel test results were deemed valid for reporting.

Both acute and chronic tests were performed in accordance with EPA protocol guidelines and no major deviations were required or noted during this testing period. Any minor deviations or errors made with recordings are noted on the raw bench sheets for both test species. A list of data qualifier codes is provided in Appendix D. Sample receipt information and chain of custody forms are provided in Appendix E.

Concurrent reference toxicant tests were conducted with all three organisms (mussels, topsmelt, and Silverside minnows). The acute reference toxicant test with topsmelt also ended with a Lab Control that did not meet TAC therefore this test was not used. However, both the acute test with silverside minnows and the chronic test with mussels had Lab Controls that met the EPA method TAC and were thus deemed valid. The median effect concentration for the mussels (EC_{50}) and lethal effect concentration for the two fish species (LC_{50}) were within two standard deviations of the historical control chart means for the laboratory. This indicates that the mussels, topsmelt, and silversides all produced a typical response or sensitivity to the copper toxicants. A summary of the reference toxicant results for all three species is presented in Table 7. Raw data, statistical analysis, and control charts for the reference toxicant tests are provided in Appendix F.

Table 7. Summary of Copper Reference Toxicant Test Results

Test Species & Endpoint	NOEC (µg/L)	EC_{50}/LC_{50} (µg/L)	Historical EC_{50}/LC_{50} ± 2 SD range (µg/L)
Chronic Mussel Combined Surviving/Normal Embryo Development	5.0	9.55	4.63 – 18.1
Acute Pacific Topsmelt 96-hour Survival [1]	100	210	65.0 – 304
Acute Inland Silverside 96-hour Survival	200	225	102 – 371

NOEC = the highest concentration tested which results in No Observed Effect
SD = Standard deviation, µg/L = micrograms per liter
EC_{50} = the concentration expected to cause a 50% adverse effect to the test organisms (mussels)
LC_{50} = the concentration expected to cause a 50% lethal effect to the test organisms (topsmelt and silverside)
Historical EC_{50} = the mean EC_{50} for previous tests by the lab, presented as a range of ± two standard deviations
Historical LC_{50} = the mean LC_{50} for previous tests by the lab, presented as a range of ± two standard deviations
[1] The Lab Control for the acute topsmelt test did not meet TAC therefore this test was deemed invalid

REFERENCES

ASTM. 1998. Standard Guide for Conducting Static Acute Toxicity Tests Starting with Embryos of Four Species of Saltwater Bivalve Molluscs. ASTM E 724-98.

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USEPA (U.S. Environmental Protection Agency) 1995. Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to West Coast Marine and Estuarine Organisms (EPA/600/R-95/136). The USEPA, Office of Research and Development, Washington, DC.

USEPA 2002. U.S. Environmental Protection Agency. Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms. 5th Edition. EPA/821/R-02/012. USEPA, Office of Water, Washington, DC.

USEPA 2010. Test of Significant Toxicity Implementation Document (EPA/833/R-10/003). The USEPA, Office of Wastewater Management, Washington, DC

APPENDIX A

Chronic Mussel Development Test

Raw Data & Statistical Analyses

Bivalve Summary Tables

For Combined, %Survival, & %Normal Endpoints

Summary Results for Chronic Bivalve Tests
Final

Client: Wood Environment & Infrastructure Solutions

Project ID: Shelter Island Yacht Basin TMDL Monitoring

Species *Mytilus galloprovincialis* (Mussel)

Endpoint: **Combined Survival & Normal Development**

Unfiltered Sample:

Test Concentration (% Sample)	Sample ID / Combined Survival & Normal Development (%)						
	SIYB-1	SIYB-2	SIYB-3	SIYB-4	SIYB-5	SIYB-6	SIYB-REF
Lab Control	85.3	83.7	85.7	91.0	86.0	85.1	85.9
6.25	89.4	89.9	85.1	89.2	91.1	84.5	84.8
12.5	85.5	85.9	87.7	88.6	89.8	83.6	88.5
25	86.8	89.8	91.9	87.4	82.5	87.5	80.6
50	88.5	89.1	91.0	89.2	86.2	87.0	91.3
100	**52.9***	87.1	90.5	89.2	88.6	86.9	92.0
NOEC	50	100	100	100	100	100	100
% Effect	37.9	-4.0	-5.5	2.0	-3.0	-2.1	-7.1
TST Result	Fail	Pass	Pass	Pass	Pass	Pass	Pass

NOEC = the highest Concentration tested with No Observed Effect.

% Effect = the percent effect in the 100% sample compared to the Lab Control. A negative value indicates the 100% sample outperformed the Lab Control.

TST = Test of Significant Toxicity (Pass/Fail) in 100%. A bold asterisk indicates a Failed test and significant toxicity.

Filtered Sample:

Test Concentration (% Sample)	Sample ID / Combined Survival & Normal Development (%)						
	SIYB-1	SIYB-2	SIYB-3	SIYB-4	SIYB-5	SIYB-6	SIYB-REF
Filter Control	86.3	84.0	88.8	89.4	86.7	88.7	89.4
100 filtered	**35.5***	77.8	90.1	83.8	82.5	81.7	86.6
NOEC	<100	100	100	100	100	100	100
% Effect	58.9	7.3	-1.4	6.2	4.9	7.9	3.1
TST Result	Fail	Pass	Pass	Pass	Pass	Pass	Pass

QC Check: **SC 9/30/22**

Final Review: **BCS 10/10/22**

Summary Results for Chronic Bivalve Tests
Final

Client: Wood Environment & Infrastructure Solutions

Project ID: Shelter Island Yacht Basin TMDL Monitoring

Species *Mytilus galloprovincialis* (Mussel)

Endpoint: **Percent Survival**

Unfiltered Sample:

Test Concentration (% Sample)	Sample ID / Percent Survival (%)						
	SIYB-1	SIYB-2	SIYB-3	SIYB-4	SIYB-5	SIYB-6	SIYB-REF
Lab Control	90.5	88.8	91.3	96.6	91.6	90.4	91.2
6.25	94.4	94.5	89.2	94.2	95.4	89.0	89.4
12.5	91.0	91.1	92.5	94.5	94.9	87.8	93.6
25	91.5	95.4	96.1	92.3	87.9	93.3	86.3
50	93.7	94.5	97.1	95.1	90.7	92.8	97.3
100	98.5	92.8	96.1	93.7	94.6	91.8	96.8
NOEC	100	100	100	100	100	100	100
% Effect	-8.8	-4.5	-5.3	3.0	-3.3	-1.5	-6.1
TST Result	Pass	Pass	Pass	Pass	Pass	Pass	Pass

NOEC = the highest Concentration tested with No Observed Effect.

% Effect = the percent effect in the 100% sample compared to the Lab Control. A negative value indicates the 100% sample outperformed the Lab Control.

TST = Test of Significant Toxicity (Pass/Fail) in 100%. A bold asterisk indicates a Failed test and significant toxicity.

Filtered Sample:

Test Concentration (% Sample)	Sample ID / Percent Survival (%)						
	SIYB-1	SIYB-2	SIYB-3	SIYB-4	SIYB-5	SIYB-6	SIYB-REF
Filter Control	91.9	88.5	93.7	94.1	91.3	95.0	95.6
100 filtered	92.1	87.1	95.9	89.8	88.7	88.1	91.6

Summary Results for Chronic Bivalve Tests
Final

Client: Wood Environment & Infrastructure Solutions
Project ID: Shelter Island Yacht Basin TMDL Monitoring
Species *Mytilus galloprovincialis* (Mussel)
Endpoint: **Percent Normal**

Unfiltered Sample:

Test Concentration (% Sample)	Sample ID / Percent Normal (%)						
	SIYB-1	SIYB-2	SIYB-3	SIYB-4	SIYB-5	SIYB-6	SIYB-REF
Lab Control	94.3	94.3	93.9	94.2	94.0	94.1	94.1
6.25	94.7	95.3	95.4	94.7	95.6	94.9	94.9
12.5	94.0	94.3	94.8	93.8	94.6	95.3	94.6
25	94.9	94.1	95.6	94.8	93.8	93.8	93.4
50	94.5	94.3	93.6	93.8	95.1	93.7	93.9
100	**53.9***	93.9	94.2	95.1	93.7	93.0	95.0
NOEC	50	100	100	100	100	100	100
% Effect	42.8	0.4	-0.3	-1.0	0.3	1.2	-0.9
TST Result	Fail	Pass	Pass	Pass	Pass	Pass	Pass

NOEC = the highest Concentration tested with No Observed Effect.

% Effect = the percent effect in the 100% sample compared to the Lab Control. A negative value indicates the 100% sample outperformed the Lab Control.

TST = Test of Significant Toxicity (Pass/Fail) in 100%. A bold asterisk indicates a Failed test and significant toxicity.

Filtered Sample:

Test Concentration (% Sample)	Sample ID / Percent Normal (%)						
	SIYB-1	SIYB-2	SIYB-3	SIYB-4	SIYB-5	SIYB-6	SIYB-REF
Filter Control	93.9	94.9	94.7	95.0	94.9	93.4	93.5
100 filtered	**38.5***	89.3	93.9	93.3	93.1	92.9	94.6

Site: SIYB-1

Bivalve Larval Survival and Development Test — Wood E&IS

Batch ID: 18-5784-5818	**Test Type:** Development-Survival	**Analyst:**
Start Date: 17 Aug-22 15:45	**Protocol:** EPA/600/R-95/136 (1995)	**Diluent:** Natural Seawater
Ending Date: 19 Aug-22 14:00	**Species:** Mytilis galloprovincialis	**Brine:** Not Applicable
Duration: 46h	**Source:** Field Collected	**Age:**

Sample ID: 01-5152-6981	**Code:** 22-W177	**Client:** Wood Environment and Infrastructure
Sample Date: 16 Aug-22 15:50	**Material:** Seawater	**Project:** SIYB TMDL Monitoring
Receipt Date: 16 Aug-22 18:20	**Source:** Shelter Island Yacht Basin	
Sample Age: 24h (14.4 °C)	**Station:** SIYB 1	

Comments:
FC = Filtered Control, 101 = 100%(1.2um flitered)

Single Comparison Summary

Analysis ID	Endpoint	Comparison Method	P-Value	Comparison Result
18-2710-4248	Combined Proportion Norma	TST-Welch's t Test	0.9033	100% failed combined proportion normal
18-5334-7385	Combined Proportion Norma	TST-Welch's t Test	0.9998	101% failed combined proportion normal

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD ✓
07-3017-0413	Combined Proportion Norma	Dunnett Multiple Comparison Test	50	100	70.71	2	11.4% ✓
08-6896-7111	Proportion Normal	Steel Many-One Rank Sum Test	50	100	70.71	2	4.27% ✓
01-8840-4124	Survival Rate	Dunnett Multiple Comparison Test	100	> 100	n/a	1	12.5% ✓

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits Lower	TAC Limits Upper	Overlap	Decision
08-6896-7111	Proportion Normal	Control Resp	0.9425	0.9	>>	Yes	Passes Criteria
01-8840-4124	Survival Rate	Control Resp	0.9047	0.5	>>	Yes	Passes Criteria
07-3017-0413	Combined Proportion Norma	PMSD	0.1143	<<	0.25	No	Passes Criteria

Bivalve Larval Survival and Development Test — **Wood E&IS**

Combined Proportion Normal Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	5	0.8528	0.7563	0.9492	0.7287	0.9266	0.0347	0.0777	9.11%	0.00%
0	FC	5	0.8628	0.8001	0.9255	0.8062	0.9225	0.0226	0.0505	5.85%	-1.18%
6.25		5	0.8943	0.8154	0.9732	0.8217	0.9653	0.0284	0.0636	7.11%	-4.87%
12.5		5	0.8554	0.7667	0.9440	0.7674	0.9591	0.0319	0.0714	8.35%	-0.31%
25		5	0.8682	0.8372	0.8992	0.8411	0.8915	0.0112	0.0250	2.88%	-1.81%
50		5	0.8847	0.8470	0.9224	0.8488	0.9313	0.0136	0.0304	3.43%	-3.75%
100		5	0.5294	0.4266	0.6322	0.4264	0.6240	0.0370	0.0828	15.64%	37.92%
101		5	0.3546	0.2628	0.4463	0.2713	0.4511	0.0331	0.0739	20.85%	58.42%

Proportion Normal Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	5	0.9425	0.9244	0.9606	0.9266	0.9628	0.0065	0.0146	1.55%	0.00%
0	FC	5	0.9391	0.9247	0.9536	0.9286	0.9558	0.0052	0.0116	1.24%	0.36%
6.25		5	0.9465	0.9235	0.9696	0.9217	0.9653	0.0083	0.0186	1.96%	-0.43%
12.5		5	0.9395	0.9094	0.9695	0.9064	0.9661	0.0108	0.0242	2.57%	0.32%
25		5	0.9492	0.9448	0.9535	0.9461	0.9540	0.0016	0.0035	0.37%	-0.71%
50		5	0.9446	0.9236	0.9656	0.9313	0.9733	0.0075	0.0169	1.79%	-0.22%
100		5	0.5391	0.4224	0.6557	0.4264	0.6626	0.0420	0.0940	17.43%	42.80%
101		5	0.3846	0.2984	0.4708	0.3267	0.4690	0.0310	0.0694	18.04%	59.19%

Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	5	0.9047	0.8052	1.0000	0.7829	1.0000	0.0358	0.0801	8.85%	0.00%
0	FC	5	0.9186	0.8571	0.9801	0.8682	0.9729	0.0222	0.0496	5.40%	-1.54%
6.25		5	0.9442	0.8798	1.0000	0.8915	1.0000	0.0232	0.0518	5.49%	-4.37%
12.5		5	0.9101	0.8300	0.9901	0.8178	1.0000	0.0288	0.0645	7.08%	-0.60%
25		5	0.9147	0.8810	0.9484	0.8837	0.9419	0.0121	0.0271	2.97%	-1.11%
50		5	0.9372	0.8794	0.9950	0.8721	1.0000	0.0208	0.0465	4.97%	-3.60%
100		5	0.9845	0.9531	1.0000	0.9419	1.0000	0.0113	0.0253	2.57%	-8.83%
101		5	0.9209	0.8160	1.0000	0.7946	1.0000	0.0378	0.0845	9.18%	-1.80%

Bivalve Larval Survival and Development Test — Wood E&IS

Combined Proportion Normal Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	LC	0.7287	0.9031	0.8721	0.9266	0.8333
0	FC	0.8062	0.9070	0.9225	0.8527	0.8256
6.25		0.8527	0.8217	0.8760	0.9653	0.9559
12.5		0.7674	0.8837	0.8256	0.9591	0.8411
25		0.8411	0.8837	0.8915	0.8411	0.8837
50		0.8721	0.9313	0.8488	0.8915	0.8798
100		0.4888	0.6240	0.6038	0.5039	0.4264
101		0.2713	0.3217	0.4511	0.4109	0.3178

Proportion Normal Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	LC	0.9307	0.9628	0.9494	0.9266	0.9430
0	FC	0.9286	0.9323	0.9558	0.9322	0.9467
6.25		0.9322	0.9217	0.9576	0.9653	0.9559
12.5		0.9384	0.9661	0.9064	0.9591	0.9274
25		0.9476	0.9540	0.9465	0.9518	0.9461
50		0.9454	0.9313	0.9733	0.9350	0.9380
100		0.4888	0.6626	0.6038	0.5138	0.4264
101		0.3415	0.3347	0.4511	0.4690	0.3267

Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	LC	0.7829	0.9380	0.9186	1.0000	0.8837
0	FC	0.8682	0.9729	0.9651	0.9147	0.8721
6.25		0.9147	0.8915	0.9147	1.0000	1.0000
12.5		0.8178	0.9147	0.9109	1.0000	0.9070
25		0.8876	0.9264	0.9419	0.8837	0.9341
50		0.9225	1.0000	0.8721	0.9535	0.9380
100		1.0000	0.9419	1.0000	0.9806	1.0000
101		0.7946	0.9612	1.0000	0.8760	0.9729

CETIS Analytical Report

LC vs Eff

Bivalve Larval Survival and Development Test — Wood E&IS

Analysis ID:	07-3017-0413	**Endpoint:**	Combined Proportion Normal	**CETIS Version:**	CETISv1.9.3
Analyzed:	27 Sep-22 17:16	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	50	100	70.71	2	11.43%

Dunnett Multiple Comparison Test

Control vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Control	6.25	-1.199	2.362	0.133	8	CDF	0.9906	Non-Significant Effect
	12.5	-0.1044	2.362	0.133	8	CDF	0.8623	Non-Significant Effect
	25	-0.2612	2.362	0.133	8	CDF	0.8990	Non-Significant Effect
	50	-0.731	2.362	0.133	8	CDF	0.9658	Non-Significant Effect
	100*	6.608	2.362	0.133	8	CDF	2.6E-06	Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.67042	0.134084	5	17.05	3.3E-07	Significant Effect
Error	0.188769	0.0078654	24			
Total	0.85919		29			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	6.384	15.09	0.2706	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9823	0.9031	0.8839	Normal Distribution

Combined Proportion Normal Summary

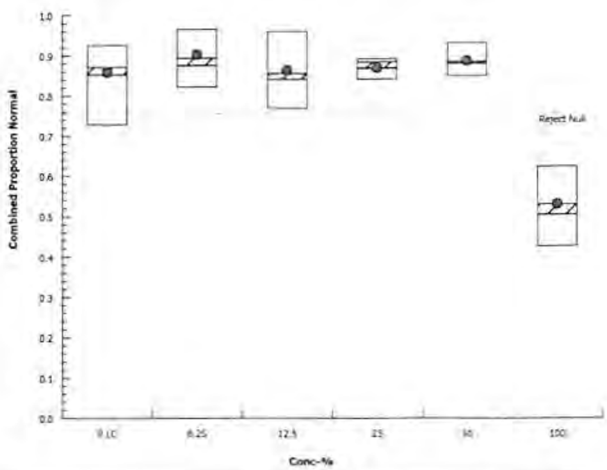
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	0.8528	0.7563	0.9492	0.8721	0.7287	0.9266	0.0347	9.11%	0.00%
6.25		5	0.8943	0.8154	0.9732	0.8760	0.8217	0.9653	0.0284	7.11%	-4.87%
12.5		5	0.8554	0.7667	0.9440	0.8411	0.7674	0.9591	0.0319	8.35%	-0.31%
25		5	0.8682	0.8372	0.8992	0.8837	0.8411	0.8915	0.0112	2.88%	-1.81%
50		5	0.8847	0.8470	0.9224	0.8798	0.8488	0.9313	0.0136	3.43%	-3.75%
100		5	0.5294	0.4266	0.6322	0.5039	0.4264	0.6240	0.0370	15.64%	37.92%

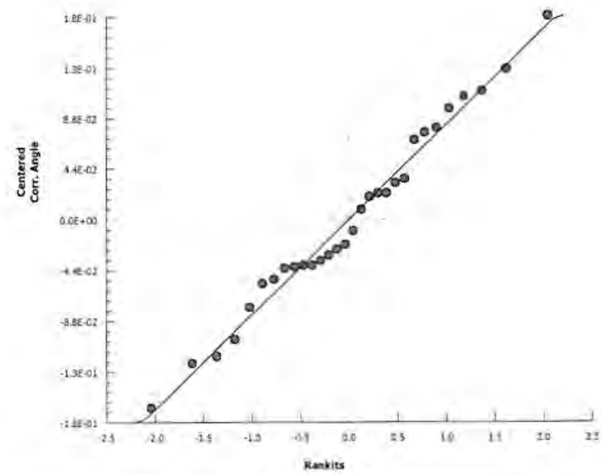
Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	1.186	1.054	1.318	1.205	1.023	1.297	0.04749	8.96%	0.00%
6.25		5	1.253	1.115	1.392	1.211	1.135	1.383	0.04988	8.90%	-5.67%
12.5		5	1.192	1.052	1.332	1.161	1.068	1.367	0.0504	9.46%	-0.49%
25		5	1.2	1.155	1.246	1.223	1.161	1.235	0.01636	3.05%	-1.24%
50		5	1.227	1.165	1.289	1.217	1.171	1.306	0.02226	4.06%	-3.46%
100		5	0.8151	0.7116	0.9187	0.7893	0.7115	0.9107	0.0373	10.23%	31.26%

Bivalve Larval Survival and Development Test					Wood E&IS
Analysis ID: 07-3017-0413		**Endpoint:** Combined Proportion Normal		**CETIS Version:** CETISv1.9.3	
Analyzed: 27 Sep-22 17:16		**Analysis:** Parametric-Control vs Treatments		**Official Results:** Yes	

Graphics





Bivalve Larval Survival and Development Test — **Wood E&IS**

Analysis ID:	18-2710-4248	**Endpoint:**	Combined Proportion Normal	**CETIS Version:**	CETISv1.9.3
Analyzed:	27 Sep-22 17:16	**Analysis:**	Parametric Bioequivalence-Two Sample	**Official Results:**	Yes

Data Transform	Alt Hyp	TST_b	Comparison Result
Angular (Corrected)	C*b < T	0.75	100% failed combined proportion normal

TST-Welch's t Test

Control vs	Conc-%	Test Stat	Critical	DF	P-Type	P-Value	Decision(α:5%)
Lab Control	100	-1.439	1.895	7	CDF	0.9033	Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.34347	0.34347	1	37.67	2.8E-04	Significant Effect
Error	0.0729435	0.0091179	8			
Total	0.416414		9			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	1.621	23.15	0.6513	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9405	0.7411	0.5585	Normal Distribution

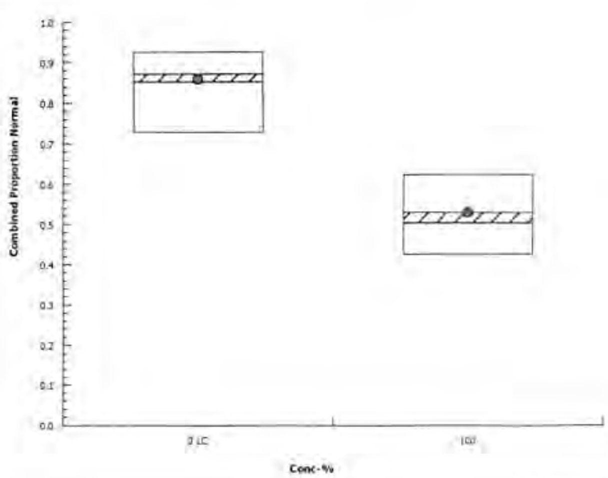
Combined Proportion Normal Summary

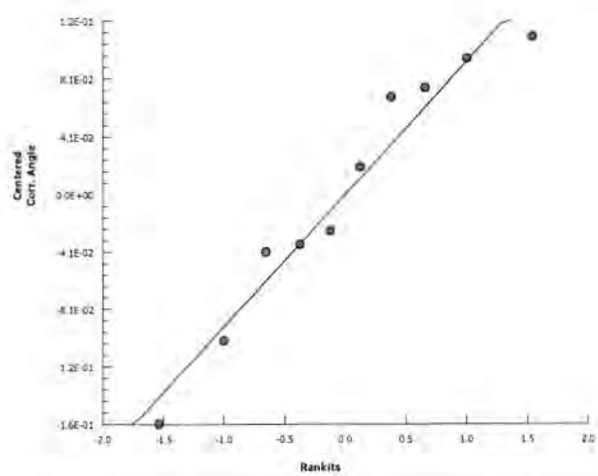
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	0.8528	0.7563	0.9492	0.8721	0.7287	0.9266	0.0347	9.11%	0.00%
100		5	0.5294	0.4266	0.6322	0.5039	0.4264	0.6240	0.0370	15.64%	37.92%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	1.186	1.054	1.318	1.205	1.023	1.297	0.04749	8.96%	0.00%
100		5	0.8151	0.7116	0.9187	0.7893	0.7115	0.9107	0.0373	10.23%	31.26%

Graphics





Bivalve Larval Survival and Development Test Filtered Sample			Wood E&IS

Analysis ID:	18-5334-7385	**Endpoint:**	Combined Proportion Normal	**CETIS Version:**	CETISv1.9.3
Analyzed:	27 Sep-22 17:16	**Analysis:**	Parametric Bioequivalence-Two Sample	**Official Results:**	Yes

Data Transform	Alt Hyp	TST_b	Comparison Result
Angular (Corrected)	C*b < T	0.75	101% failed combined proportion normal

TST-Welch's t Test

Control vs	Conc-%	Test Stat	Critical	DF	P-Type	P-Value	Decision(α:5%)
Filter Control	101	-6.084	1.895	7	CDF	0.9998	Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.783546	0.783546	1	134.1	2.8E-06	Significant Effect
Error	0.0467474	0.0058434	8			
Total	0.830293		9			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	1.045	23.15	0.9673	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.8875	0.7411	0.1590	Normal Distribution

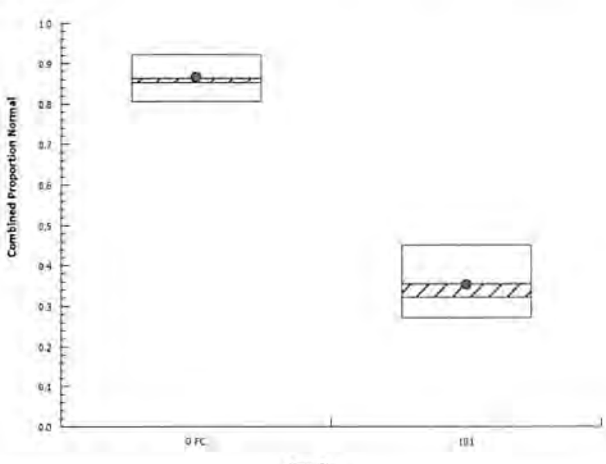
Combined Proportion Normal Summary

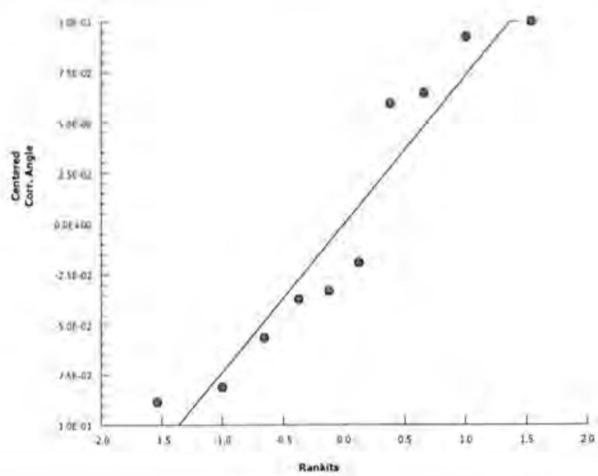
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	FC	5	0.8628	0.8001	0.9255	0.8527	0.8062	0.9225	0.0226	5.85%	0.00%
101		5	0.3546	0.2628	0.4463	0.3217	0.2713	0.4511	0.0331	20.85%	58.90%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	FC	5	1.196	1.102	1.29	1.177	1.115	1.289	0.03381	6.32%	0.00%
101		5	0.6364	0.5405	0.7324	0.6031	0.5479	0.7364	0.03456	12.14%	46.80%

Graphics





Bivalve Larval Survival and Development Test — Wood E&IS

Analysis ID:	08-6896-7111	**Endpoint:**	Proportion Normal	**CETIS Version:**	CETISv1.9.3
Analyzed:	27 Sep-22 17:15	**Analysis:**	Nonparametric-Control vs Treatments	**Official Results:**	Yes

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	50	100	70.71	2	4.27%

Steel Many-One Rank Sum Test

Control vs	Conc-%	Test Stat	Critical	Ties	DF	P-Type	P-Value	Decision(α:5%)
Lab Control	6.25	30	16	0	8	Asymp	0.9446	Non-Significant Effect
	12.5	27	16	0	8	Asymp	0.8003	Non-Significant Effect
	25	32	16	0	8	Asymp	0.9821	Non-Significant Effect
	50	29	16	0	8	Asymp	0.9104	Non-Significant Effect
	100*	15	16	0	8	Asymp	0.0191	Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	1.0847	0.216941	5	80.76	<1.0E-37	Significant Effect
Error	0.0644716	0.0026863	24			
Total	1.14917		29			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	16.18	15.09	0.0063	Unequal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9745	0.9031	0.6682	Normal Distribution

Proportion Normal Summary

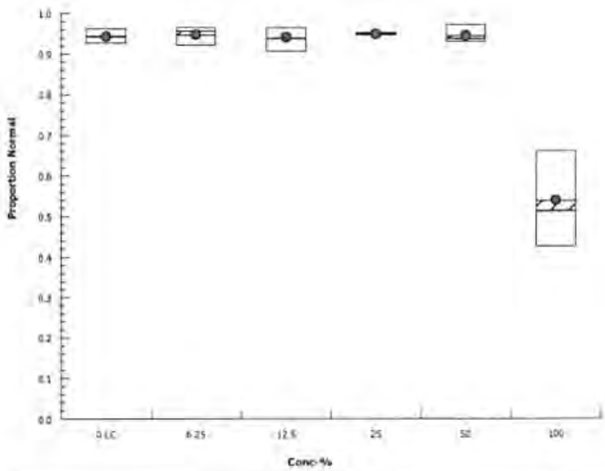
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	0.9425	0.9244	0.9606	0.9430	0.9266	0.9628	0.0065	1.55%	0.00%
6.25		5	0.9465	0.9235	0.9696	0.9559	0.9217	0.9653	0.0083	1.96%	-0.43%
12.5		5	0.9395	0.9094	0.9695	0.9384	0.9064	0.9661	0.0108	2.57%	0.32%
25		5	0.9492	0.9448	0.9535	0.9476	0.9461	0.9540	0.0016	0.37%	-0.71%
50		5	0.9446	0.9236	0.9656	0.9380	0.9313	0.9733	0.0075	1.79%	-0.22%
100		5	0.5391	0.4224	0.6557	0.5138	0.4264	0.6626	0.0420	17.43%	42.80%

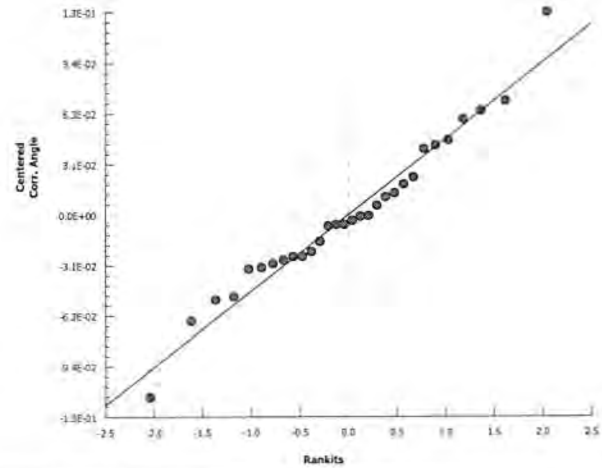
Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	1.33	1.29	1.37	1.33	1.297	1.377	0.01441	2.42%	0.00%
6.25		5	1.34	1.29	1.391	1.359	1.287	1.383	0.01822	3.04%	-0.74%
12.5		5	1.326	1.263	1.39	1.32	1.26	1.386	0.02286	3.86%	0.31%
25		5	1.344	1.334	1.353	1.34	1.336	1.355	0.003592	0.60%	-1.00%
50		5	1.336	1.285	1.387	1.319	1.306	1.407	0.01837	3.07%	-0.42%
100		5	0.8252	0.707	0.9433	0.7992	0.7115	0.951	0.04256	11.53%	37.97%

Bivalve Larval Survival and Development Test					Wood E&IS
Analysis ID:	08-6896-7111	**Endpoint:**	Proportion Normal	**CETIS Version:**	CETISv1.9.3
Analyzed:	27 Sep-22 17:15	**Analysis:**	Nonparametric-Control vs Treatments	**Official Results:**	Yes

Graphics





Bivalve Larval Survival and Development Test			Wood E&IS
Analysis ID: 01-8840-4124	**Endpoint:** Survival Rate	**CETIS Version:** CETISv1.9.3	
Analyzed: 27 Sep-22 17:15	**Analysis:** Parametric-Control vs Treatments	**Official Results:** Yes	

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	12.46%

Dunnett Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Control		6.25	-1.015	2.362	0.193	8	CDF	0.9840	Non-Significant Effect
		12.5	-0.0568	2.362	0.193	8	CDF	0.8496	Non-Significant Effect
		25	0.1545	2.362	0.193	8	CDF	0.7836	Non-Significant Effect
		50	-0.6289	2.362	0.193	8	CDF	0.9559	Non-Significant Effect
		100	-2.274	2.362	0.193	8	CDF	0.9997	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.13965	0.02793	5	1.677	0.1785	Non-Significant Effect
Error	0.399701	0.0166542	24			
Total	0.539351		29			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	5.556	15.09	0.3518	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9541	0.9031	0.2178	Normal Distribution

Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	0.9047	0.8052	1.0000	0.9186	0.7829	1.0000	0.0358	8.85%	0.00%
6.25		5	0.9442	0.8798	1.0000	0.9147	0.8915	1.0000	0.0232	5.49%	-4.37%
12.5		5	0.9101	0.8300	0.9901	0.9109	0.8178	1.0000	0.0288	7.08%	-0.60%
25		5	0.9147	0.8810	0.9484	0.9264	0.8837	0.9419	0.0121	2.97%	-1.11%
50		5	0.9372	0.8794	0.9950	0.9380	0.8721	1.0000	0.0208	4.97%	-3.60%
100		5	0.9845	0.9531	1.0000	1.0000	0.9419	1.0000	0.0113	2.57%	-8.83%

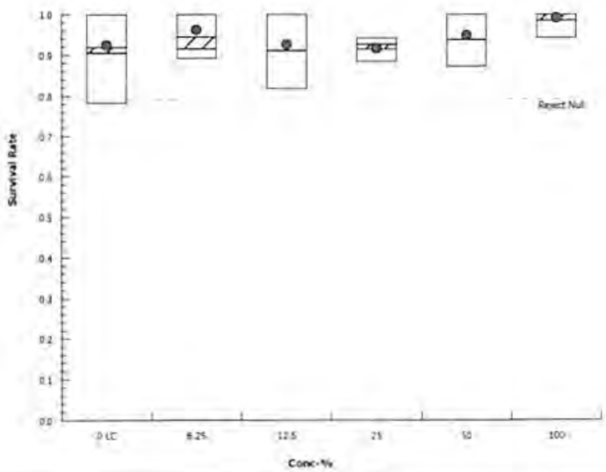
Angular (Corrected) Transformed Summary

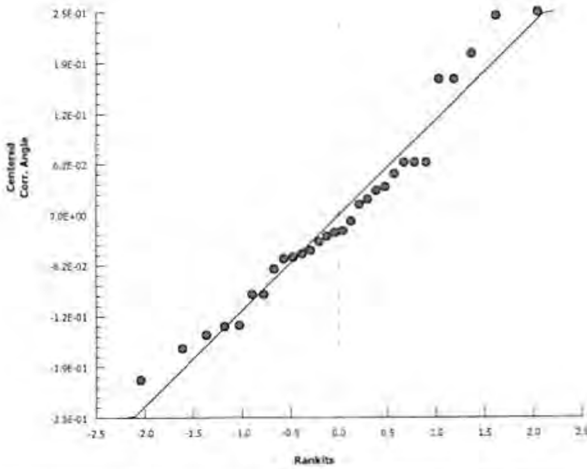
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	1.29	1.085	1.495	1.281	1.086	1.54	0.07393	12.82%	0.00%
6.25		5	1.373	1.182	1.563	1.274	1.235	1.54	0.06855	11.17%	-6.42%
12.5		5	1.294	1.109	1.48	1.268	1.13	1.54	0.06689	11.55%	-0.36%
25		5	1.277	1.217	1.337	1.296	1.223	1.327	0.02157	3.78%	0.98%
50		5	1.341	1.187	1.495	1.319	1.205	1.54	0.05537	9.23%	-3.98%
100		5	1.475	1.357	1.594	1.54	1.327	1.54	0.0426	6.46%	-14.39%

Bivalve Larval Survival and Development Test — Wood E&IS

Analysis ID:	01-8840-4124	**Endpoint:**	Survival Rate	**CETIS Version:**	CETISv1.9.3
Analyzed:	27 Sep-22 17:15	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes

Graphics





Mean # of curved hinges

CETIS Summary Report

Report Date: 27 Oct-22 09:16 (p 1 of 1)
Test Code/ID: 22-08-023 / 09-3048-8829

Bivalve Larval Survival and Development Test — Wood E&IS

Batch ID:	18-5784-5818	**Test Type:**	Development-Survival	**Analyst:**	
Start Date:	17 Aug-22 15:45	**Protocol:**	EPA/600/R-95/136 (1995)	**Diluent:**	Natural Seawater
Ending Date:	19 Aug-22 14:00	**Species:**	Mytilis galloprovincialis	**Brine:**	Not Applicable
Test Length:	46h	**Taxon:**		**Source:**	Field Collected **Age:**

Sample ID:	01-5152-6981	**Code:**	22-W177	**Project:**	SIYB TMDL Monitoring
Sample Date:	16 Aug-22 15:50	**Material:**	Seawater	**Source:**	Shelter Island Yacht Basin
Receipt Date:	16 Aug-22 18:20	**CAS (PC):**		**Station:**	SIYB 1
Sample Age:	24h (14.4 °C)	**Client:**	Wood Environment and Infrastructure Soluti		

Comments: FC = Filtered Control, 101 = 100%(1.2um flitered)

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	✓	NOEL	LOEL	TOEL	PMSD	TU	S
07-6700-8513	Proportion Normal	Steel Many-One Rank Sum Test	✓	100	>100	---	---	1	1

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits Lower	TAC Limits Upper	Overlap	Decision
07-6700-8513	Proportion Normal	Control Resp	0	0.9	<<	Yes	Below Criteria

Proportion Normal Summary % curved hinges

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	---	---
0	FC	5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	---	---
6.25		5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	---	---
12.5		5	0.0007	-0.0013	0.0028	0.0000	0.0037	0.0007	0.0017	223.61%	---
25		5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	---	---
50		5	0.0016	-0.0011	0.0044	0.0000	0.0041	0.0010	0.0022	136.94%	---
100		5	0.0201	0.0119	0.0284	0.0082	0.0237	0.0030	0.0067	33.13%	---
101		5	0.0164	0.0027	0.0301	0.0000	0.0310	0.0049	0.0110	67.44%	---

Proportion Normal Detail MD5: EFF45FC1B7A0230917F484B5B9C813FA

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	LC	0.0000	0.0000	0.0000	0.0000	0.0000
0	FC	0.0000	0.0000	0.0000	0.0000	0.0000
6.25		0.0000	0.0000	0.0000	0.0000	0.0000
12.5		0.0000	0.0000	0.0000	0.0037	0.0000
25		0.0000	0.0000	0.0000	0.0000	0.0000
50		0.0000	0.0000	0.0000	0.0041	0.0041
100		0.0224	0.0082	0.0231	0.0237	0.0233
101		0.0000	0.0161	0.0188	0.0310	0.0159

CETIS Test Data Worksheet

Report Date: 15 Aug-22 11:02 (p 1 of 2)
Test Code/ID: ~~A109-3048-8829/~~377621FD 22-08-023

Bivalve Larval Survival and Development Test — Wood E&IS

Start Date:	17 Aug-22 1545	**Species:**	Mytilis galloprovincialis	**Sample Code:**	~~908TE45~~ AG 22-W177
End Date:	19 Aug-22 1400	**Protocol:**	EPA/600/R-95/136 (1995)	**Sample Source:**	Shelter Island Yacht Basin
Sample Date:	16 Aug-22 1550	**Material:**	Seawater	**Sample Station:**	SIYB 1

Conc-%	Code	Rep	Pos	Initial Density	Final Density	# Counted	# Normal	Notes
			31			241	228	BF 9/22/22
			32			228	217	
			33			236	226	
			34			211	198	
			35			202	188	
			36			246	230	1 curved
			37			226	106	7 curved
			38			225	219	
			39			228	215	
			40			238	225	
			41			229	217	
			42			236	220	
			43			237	225	
			44			251	234	
			45			224	208	
			46			251	82	4 curved
			47			242	227	1 curved
			48			239	228	
			49			236	228	
			50			253	130	6 curved
			51			243	161	9/23/22 2 curved
			52			235	213	
			53			259	240	
			54			243	230	
			55			230	212	
			56			234	217	
			57			249	238	
			58			242	233	
			59			259	250	
			60			268	131	6 curved
			61			258	110	6 curved
			62			248	83	4 curved
			63			205	70	4 curved
			64			236	220	

Test Code/ID: ~~09-3048-8829~~/377621FD 22-08-023

Conc-%	Code	Rep	Pos	Initial Density	Final Density	# Counted	# Normal	Notes
			65			260	157	BI 9/23/22 6 curved
			66			269	258	1 curved
			67			262	244	
			68			225	213	
			69			266	120	5 curved
			70			272	260	

CETIS Test Data Worksheet

Test Code/ID: 09-3048-8829/377621FD

Bivalve Larval Survival and Development Test — **Wood E&IS**

Start Date:	17 Aug-22	**Species:**	Mytilis galloprovincialis	**Sample Code:**	9081E45
End Date:	19 Aug-22	**Protocol:**	EPA/600/R-95/136 (1995)	**Sample Source:**	Shelter Island Yacht Basin
Sample Date:	16 Aug-22	**Material:**	Seawater	**Sample Station:**	SIYB 1

Conc-%	Code	Rep	Pos	Initial Density	Final Density	# Counted	# Normal	Notes
0	FC	1	45					
0	FC	2	44					
0	FC	3	57					
0	FC	4	64					
0	FC	5	68					
0	LC	1	35					
0	LC	2	58					
0	LC	3	43					
0	LC	4	53					
0	LC	5	39					
6.25		1	42					
6.25		2	55					
6.25		3	33					
6.25		4	59					
6.25		5	70					
12.5		1	34					
12.5		2	49					
12.5		3	52					
12.5		4	66					
12.5		5	56					
25		1	41					
25		2	48					
25		3	54					
25		4	32					
25		5	31					
50		1	40					
50		2	67					
50		3	38					
50		4	36					
50		5	47					
100		1	60					
100		2	51					
100		3	65					
100		4	50					

Analyst: AC QA: BCC

Conc-%	Code	Rep	Pos	Initial Density	Final Density	# Counted	# Normal	Notes
100		5	61					
101		1	63					
101		2	62					
101		3	69					
101		4	37					
101		5	46					

QC: NJ

Water Quality for Bivalve Development

Client: Wood - Port of San Diego
Sample ID: SIYB-1
Test No. 22-08-023

Test Species: *M. galloprovincialis*
Start Date/Time: 8/17/2022 1545
End Date/Time: 8/19/2022 1400

Test Conc. (%)	Water Quality Measurements			
	Parameter	**0hr**	**24hr**	**48hr**
Lab Control	Temp. (°C)	16.0	15.9	15.0
	Salinity (ppt)	33.7	33.6	34.0
	pH (units)	AG ~~7.67~~ 7.74	7.63	7.73
	DO (mg/L)	8.1	8.1	8.5
Filter Control	Temp. (°C)	15.9	15.9	15.0
	Salinity (ppt)	33.5	33.7	34.1
	pH (units)	7.87	7.68	7.81
	DO (mg/L)	8.2	8.0	8.5
6.25	Temp. (°C)	16.0	15.9	15.1
	Salinity (ppt)	33.9	33.9	34.3
	pH (units)	7.83	7.69	7.82
	DO (mg/L)	8.2	8.2	8.5
12.5	Temp. (°C)	15.9	16.0	15.0
	Salinity (ppt)	33.9	34.0	34.3
	pH (units)	7.86	7.69	7.83
	DO (mg/L)	8.1	8.4	8.5
25	Temp. (°C)	15.9	16.0	15.1
	Salinity (ppt)	33.9	34.0	34.5
	pH (units)	7.85	7.70	7.84
	DO (mg/L)	8.2	8.3	8.6
50	Temp. (°C)	15.9	16.0	15.0
	Salinity (ppt)	34.0	34.1	34.4
	pH (units)	7.85	7.70	7.84
	DO (mg/L)	8.4	8.2	8.6
100	Temp. (°C)	15.9	16.0	15.1
	Salinity (ppt)	34.2	34.2	34.6
	pH (units)	7.82	7.69	7.84
	DO (mg/L)	8.4	8.3	8.6
100 Filtered (1.2µm)	Temp. (°C)	15.9	16.0	15.1
	Salinity (ppt)	TD ~~7.83~~ 33.8	33.8	34.2
	pH (units)	7.82	7.71	7.84
	DO (mg/L)	8.1	8.1	8.5
	Tech Initials:	AG / TD	JF	MS

Source of Animals: SIO Holding Facility

Date Received: 5/16/22

Comments:

Embryo-Larval Development Test

Stock Preparation Worksheet

Test Species: *M. galloprovincialis*
Batch ID: 5/16/22 Batch at SIO Facility
Test Type: 48hr Bivalve Development

Test Date: 8/17/2022
Analyst: AG

Task	
Spawning Induction	1000
Spawning Begins	1045
# Males/# Females	7/2
Spawn Condition	good
Fertilization Initiated	1300
Fertilzation End/Eggs Rinsed	1330/1350
Embryo Counts	1415
Test Initiation	1545

Embryo Density Counts # per ~~100~~ 20 µL

Stock #	Stock Volume (mL)	Rep 1	Rep 2	Rep 3	Rep 4	Mean #/~~100~~ 20 µL	Mean #/mL (x~~10~~50)
Stock 1	400	15	11	15	16	14.25	712.5
Stock 2	400	–	–	–	–	–	–
Stock 3							

Cell Division:

	% Divided
Stock 1	99
Stock 2	99
Stock 3	

Selected Stock:	1

Adjust selected embryo stock to 500 embryos/mL.
Dilution Factor = Stock Density/mL/500

Stock Density $\frac{712.5}{500}$ **Dil Factor** 1.425

In 10 mL sample volume add 500 µl of 500 embryo/ml stock to obtain 25 embryos/mL in test vials.

Notes: TØ1 = 248 TØ2 = 267 TØ3 = 267 TØ4 = 255 TØ5 = 253
x̄ = 258

QA Review: AG 9/27/22

Final Review: SC 9/30/22

Site: SIYB-2

CETIS Summary Report

Bivalve Larval Survival and Development Test — **Wood E&IS**

Batch ID:	16-3381-1639	**Test Type:**	Development-Survival	**Analyst:**	
Start Date:	17 Aug-22 15:45	**Protocol:**	EPA/600/R-95/136 (1995)	**Diluent:**	Natural Seawater
Ending Date:	19 Aug-22 14:00	**Species:**	Mytilis galloprovincialis	**Brine:**	Not Applicable
Duration:	46h	**Source:**	Field Collected	**Age:**	

Sample ID:	20-3080-3444	**Code:**	22-W179	**Client:**	Wood Environment and Infrastructure
Sample Date:	16 Aug-22 15:00	**Material:**	Seawater	**Project:**	SIYB TMDL Monitoring
Receipt Date:	16 Aug-22 18:20	**Source:**	Shelter Island Yacht Basin		
Sample Age:	25h (6.5 °C)	**Station:**	SIYB 2		

Comments:
FC = Filtered Control, 101 = 100%(1.2um filtered)

Single Comparison Summary

Analysis ID	Endpoint	Comparison Method	P-Value	Comparison Result
07-9097-9741	Combined Proportion Norma	TST-Welch's t Test	3.7E-05	100% passed combined proportion normal
08-4210-8279	Combined Proportion Norma	TST-Welch's t Test	7.9E-04	101% passed combined proportion normal

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD ✓
02-0593-0866	Combined Proportion Norma	Dunnett Multiple Comparison Test	100	> 100	n/a	1	12.3%
15-9842-0437	Proportion Normal	Dunnett Multiple Comparison Test	100	> 100	n/a	1	2.14%
10-4842-8870	Survival Rate	Dunnett Multiple Comparison Test	100	> 100	n/a	1	17.3%

Test Acceptability

				TAC Limits			
Analysis ID	**Endpoint**	**Attribute**	**Test Stat**	**Lower**	**Upper**	**Overlap**	**Decision**
15-9842-0437	Proportion Normal	Control Resp	0.9425	0.9	>>	Yes	Passes Criteria
10-4842-8870	Survival Rate	Control Resp	0.8884	0.5	>>	Yes	Passes Criteria

Bivalve Larval Survival and Development Test — **Wood E&IS**

Combined Proportion Normal Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	5	0.8372	0.7615	0.9129	0.7403	0.8915	0.0273	0.0610	7.28%	0.00%
0	FC	5	0.8395	0.8019	0.8772	0.7946	0.8798	0.0136	0.0304	3.61%	-0.28%
6.25		5	0.8994	0.8321	0.9668	0.8140	0.9496	0.0243	0.0543	6.03%	-7.43%
12.5		5	0.8593	0.7495	0.9690	0.7558	0.9500	0.0395	0.0884	10.28%	-2.63%
25		5	0.8983	0.8617	0.9349	0.8605	0.9412	0.0132	0.0295	3.28%	-7.30%
50		5	0.8908	0.8299	0.9517	0.8372	0.9540	0.0220	0.0491	5.51%	-6.40%
100		5	0.8705	0.8120	0.9291	0.7984	0.9147	0.0211	0.0471	5.41%	-3.98%
101		5	0.7783	0.7048	0.8518	0.6938	0.8295	0.0265	0.0592	7.61%	7.04%

Proportion Normal Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	5	0.9425	0.9233	0.9616	0.9163	0.9540	0.0069	0.0154	1.63%	0.00%
0	FC	5	0.9488	0.9320	0.9656	0.9356	0.9716	0.0060	0.0135	1.42%	-0.67%
6.25		5	0.9525	0.9330	0.9721	0.9350	0.9767	0.0070	0.0158	1.65%	-1.07%
12.5		5	0.9432	0.9363	0.9501	0.9355	0.9500	0.0025	0.0056	0.59%	-0.08%
25		5	0.9414	0.9307	0.9521	0.9315	0.9551	0.0038	0.0086	0.91%	0.11%
50		5	0.9426	0.9291	0.9561	0.9277	0.9540	0.0049	0.0109	1.16%	-0.02%
100		5	0.9389	0.9206	0.9573	0.9219	0.9626	0.0066	0.0148	1.57%	0.37%
101		5	0.8931	0.8478	0.9384	0.8483	0.9467	0.0163	0.0365	4.09%	5.24%

Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	5	0.8884	0.8093	0.9675	0.7868	0.9380	0.0285	0.0637	7.17%	0.00%
0	FC	5	0.8853	0.8336	0.9369	0.8178	0.9302	0.0186	0.0416	4.70%	0.35%
6.25		5	0.9450	0.8612	1.0000	0.8333	1.0000	0.0302	0.0674	7.14%	-6.37%
12.5		5	0.9109	0.7974	1.0000	0.7984	1.0000	0.0409	0.0914	10.03%	-2.53%
25		5	0.9543	0.9160	0.9925	0.9147	1.0000	0.0138	0.0308	3.23%	-7.42%
50		5	0.9450	0.8845	1.0000	0.8798	1.0000	0.0218	0.0487	5.15%	-6.37%
100		5	0.9279	0.8497	1.0000	0.8295	0.9922	0.0282	0.0630	6.78%	-4.45%
101		5	0.8713	0.8032	0.9394	0.8178	0.9496	0.0245	0.0548	6.29%	1.92%

Bivalve Larval Survival and Development Test — Wood E&IS

Combined Proportion Normal Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	LC	0.8488	0.7403	0.8837	0.8915	0.8217
0	FC	0.8450	0.8411	0.7946	0.8798	0.8372
6.25		0.8140	0.8992	0.8915	0.9430	0.9496
12.5		0.7558	0.8605	0.7868	0.9432	0.9500
25		0.9070	0.8605	0.8876	0.9412	0.8953
50		0.8372	0.8450	0.9109	0.9070	0.9540
100		0.8992	0.8915	0.9147	0.7984	0.8488
101		0.8023	0.8256	0.8295	0.6938	0.7403

Proportion Normal Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	LC	0.9163	0.9409	0.9540	0.9504	0.9507
0	FC	0.9356	0.9435	0.9716	0.9458	0.9474
6.25		0.9767	0.9547	0.9350	0.9430	0.9533
12.5		0.9466	0.9407	0.9355	0.9432	0.9500
25		0.9551	0.9407	0.9385	0.9412	0.9315
50		0.9515	0.9277	0.9363	0.9435	0.9540
100		0.9355	0.9388	0.9219	0.9626	0.9359
101		0.8961	0.9467	0.8735	0.8483	0.9009

Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	LC	0.9264	0.7868	0.9264	0.9380	0.8643
0	FC	0.9031	0.8915	0.8178	0.9302	0.8837
6.25		0.8333	0.9419	0.9535	1.0000	0.9961
12.5		0.7984	0.9147	0.8411	1.0000	1.0000
25		0.9496	0.9147	0.9457	1.0000	0.9612
50		0.8798	0.9109	0.9729	0.9612	1.0000
100		0.9612	0.9496	0.9922	0.8295	0.9070
101		0.8953	0.8721	0.9496	0.8178	0.8217

Bivalve Larval Survival and Development Test — Wood E&IS

Analysis ID:	02-0593-0866	**Endpoint:**	Combined Proportion Normal	**CETIS Version:**	CETISv1.9.3
Analyzed:	28 Sep-22 17:19	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes

Comments:
FC = Filtered Control, 101 = 100%(1.2um flitered)

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	12.28%

Dunnett Multiple Comparison Test

Control vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Control	6.25	-1.739	2.362	0.131	8	CDF	0.9983	Non-Significant Effect
	12.5	-0.7509	2.362	0.131	8	CDF	0.9675	Non-Significant Effect
	25	-1.606	2.362	0.131	8	CDF	0.9973	Non-Significant Effect
	50	-1.461	2.362	0.131	8	CDF	0.9958	Non-Significant Effect
	100	-0.8442	2.362	0.131	8	CDF	0.9745	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.033494	0.0066988	5	0.8744	0.5129	Non-Significant Effect
Error	0.183869	0.0076612	24			
Total	0.217363		29			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	3.805	15.09	0.5779	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9733	0.9031	0.6314	Normal Distribution

Combined Proportion Normal Summary

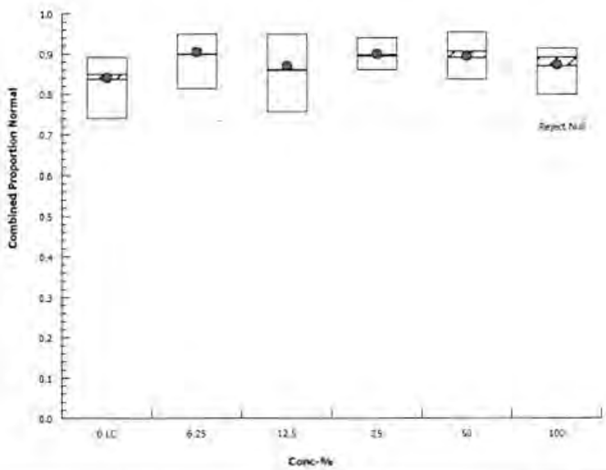
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	0.8372	0.7615	0.9129	0.8488	0.7403	0.8915	0.0273	7.28%	0.00%
6.25		5	0.8994	0.8321	0.9668	0.8992	0.8140	0.9496	0.0243	6.03%	-7.43%
12.5		5	0.8593	0.7495	0.9690	0.8605	0.7558	0.9500	0.0395	10.28%	-2.63%
25		5	0.8983	0.8617	0.9349	0.8953	0.8605	0.9412	0.0132	3.28%	-7.30%
50		5	0.8908	0.8299	0.9517	0.9070	0.8372	0.9540	0.0220	5.51%	-6.40%
100		5	0.8705	0.8120	0.9291	0.8915	0.7984	0.9147	0.0211	5.41%	-3.98%

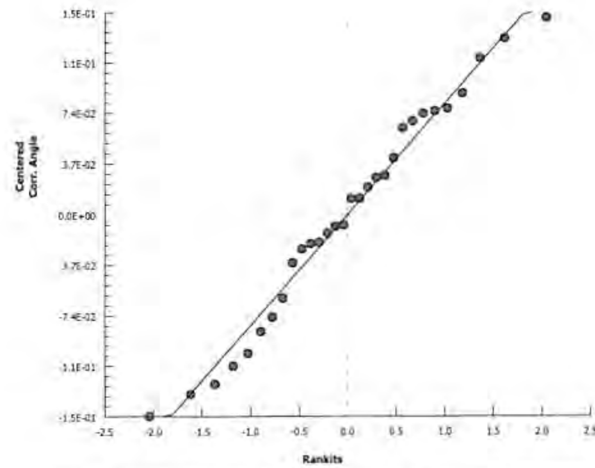
Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	1.16	1.061	1.26	1.171	1.036	1.235	0.03585	6.91%	0.00%
6.25		5	1.256	1.147	1.366	1.248	1.125	1.344	0.03934	7.00%	-8.30%
12.5		5	1.202	1.036	1.368	1.188	1.054	1.345	0.05975	11.12%	-3.58%
25		5	1.249	1.186	1.312	1.241	1.188	1.326	0.02261	4.05%	-7.67%
50		5	1.241	1.139	1.343	1.261	1.155	1.355	0.03671	6.61%	-6.97%
100		5	1.207	1.122	1.292	1.235	1.105	1.274	0.03052	5.65%	-4.03%

Bivalve Larval Survival and Development Test					Wood E&IS
Analysis ID: 02-0593-0866		**Endpoint:** Combined Proportion Normal		**CETIS Version:** CETISv1.9.3	
Analyzed: 28 Sep-22 17:19		**Analysis:** Parametric-Control vs Treatments		**Official Results:** Yes	

Graphics





Bivalve Larval Survival and Development Test — **Wood E&IS**

Analysis ID:	07-9097-9741	**Endpoint:**	Combined Proportion Normal	**CETIS Version:**	CETISv1.9.3
Analyzed:	28 Sep-22 17:19	**Analysis:**	Parametric Bioequivalence-Two Sample	**Official Results:**	Yes

Comments:
FC = Filtered Control, 101 = 100%(1.2um flitered)

Data Transform	Alt Hyp	TST_b	Comparison Result
Angular (Corrected)	C*b < T	0.75	100% passed combined proportion normal

TST-Welch's t Test

Control	vs	Control II	Test Stat	Critical	DF	P-Type	P-Value	Decision(α:5%)
Lab Control		100*	8.28	1.895	7	CDF	3.7E-05	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0054600	0.0054600	1	0.9854	0.3499	Non-Significant Effect
Error	0.0443288	0.0055411	8			
Total	0.0497888		9			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	1.38	23.15	0.7625	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.8995	0.7411	0.2161	Normal Distribution

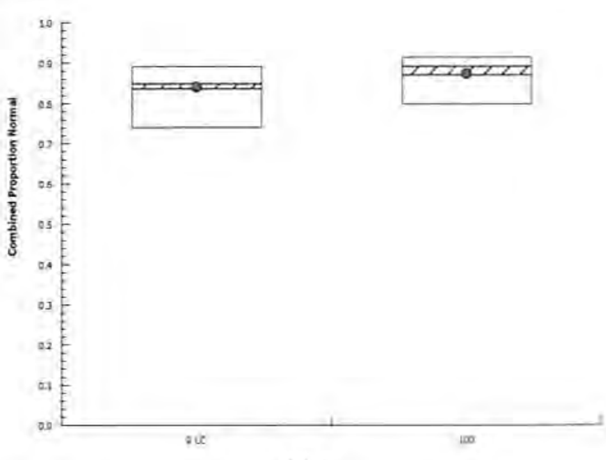
Combined Proportion Normal Summary

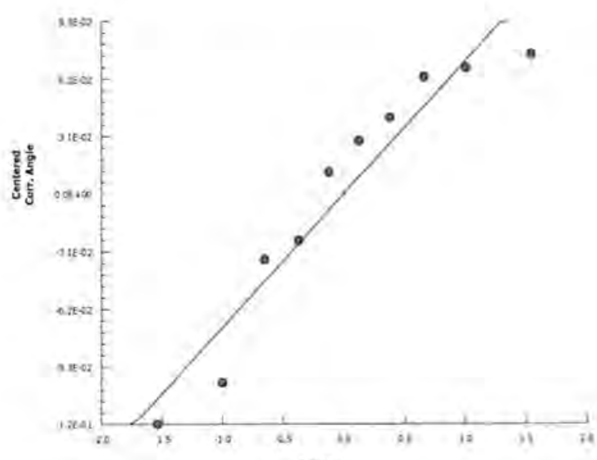
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	0.8372	0.7615	0.9129	0.8488	0.7403	0.8915	0.0273	7.28%	0.00%
100		5	0.8705	0.8120	0.9291	0.8915	0.7984	0.9147	0.0211	5.41%	-3.98%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	1.16	1.061	1.26	1.171	1.036	1.235	0.03585	6.91%	0.00%
100		5	1.207	1.122	1.292	1.235	1.105	1.274	0.03052	5.65%	-4.03%

Graphics





Bivalve Larval Survival and Development Test Filtered			Wood E&IS

Analysis ID:	08-4210-8279	**Endpoint:**	Combined Proportion Normal	**CETIS Version:**	CETISv1.9.3
Analyzed:	28 Sep-22 17:19	**Analysis:**	Parametric Bioequivalence-Two Sample	**Official Results:**	Yes

Comments:
FC = Filtered Control, 101 = 100%(1.2um flitered)

Data Transform	Alt Hyp	TST_b	Comparison Result
Angular (Corrected)	C*b < T	0.75	101% passed combined proportion normal

TST-Welch's t Test

Control vs	Control II	Test Stat	Critical	DF	P-Type	P-Value	Decision(α:5%)
Filter Control	101*	6.206	2.015	5	CDF	7.9E-04	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0147426	0.0147426	1	4.435	0.0683	Non-Significant Effect
Error	0.0265908	0.0033239	8			
Total	0.0413334		9			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	2.889	23.15	0.3288	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9247	0.7411	0.3982	Normal Distribution

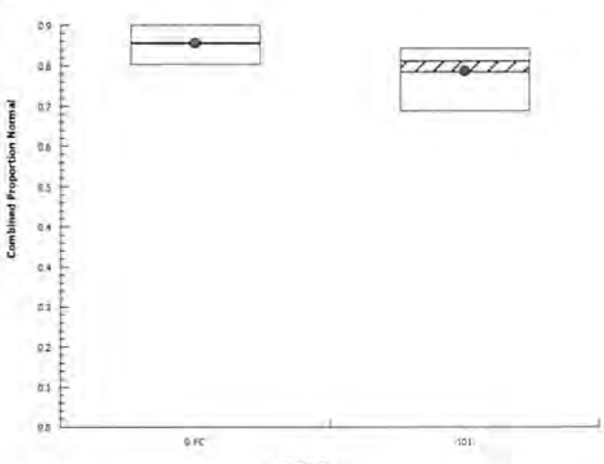
Combined Proportion Normal Summary

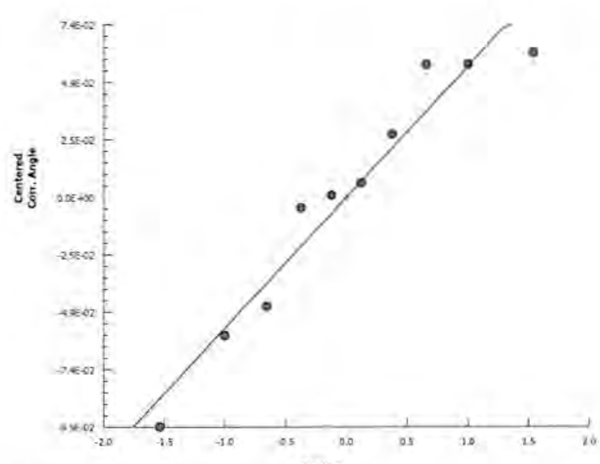
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	FC	5	0.8395	0.8019	0.8772	0.8411	0.7946	0.8798	0.0136	3.61%	0.00%
101		5	0.7783	0.7048	0.8518	0.8023	0.6938	0.8295	0.0265	7.61%	7.29%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	FC	5	1.16	1.109	1.211	1.161	1.1	1.217	0.01849	3.56%	0.00%
101		5	1.083	0.9959	1.17	1.11	0.9844	1.145	0.03143	6.49%	6.62%

Graphics





Bivalve Larval Survival and Development Test — **Wood E&IS**

Analysis ID: 15-9842-0437 **Endpoint:** Proportion Normal **CETIS Version:** CETISv1.9.3
Analyzed: 28 Sep-22 17:19 **Analysis:** Parametric-Control vs Treatments **Official Results:** Yes

Comments:
FC = Filtered Control, 101 = 100%(1.2um flitered)

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	2.14%

Dunnett Multiple Comparison Test

Control vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Control	6.25	-1.354	2.362	0.042	8	CDF	0.9941	Non-Significant Effect
	12.5	-0.01787	2.362	0.042	8	CDF	0.8386	Non-Significant Effect
	25	0.1833	2.362	0.042	8	CDF	0.7735	Non-Significant Effect
	50	0.01908	2.362	0.042	8	CDF	0.8276	Non-Significant Effect
	100	0.4176	2.362	0.042	8	CDF	0.6822	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0030337	0.0006067	5	0.7789	0.5747	Non-Significant Effect
Error	0.0186959	0.000779	24			
Total	0.0217296		29			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	5.78	15.09	0.3282	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.972	0.9031	0.5955	Normal Distribution

Proportion Normal Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	0.9425	0.9233	0.9616	0.9504	0.9163	0.9540	0.0069	1.63%	0.00%
6.25		5	0.9525	0.9330	0.9721	0.9533	0.9350	0.9767	0.0070	1.65%	-1.07%
12.5		5	0.9432	0.9363	0.9501	0.9432	0.9355	0.9500	0.0025	0.59%	-0.08%
25		5	0.9414	0.9307	0.9521	0.9407	0.9315	0.9551	0.0038	0.91%	0.11%
50		5	0.9426	0.9291	0.9561	0.9435	0.9277	0.9540	0.0049	1.16%	-0.02%
100		5	0.9389	0.9206	0.9573	0.9359	0.9219	0.9626	0.0066	1.57%	0.37%

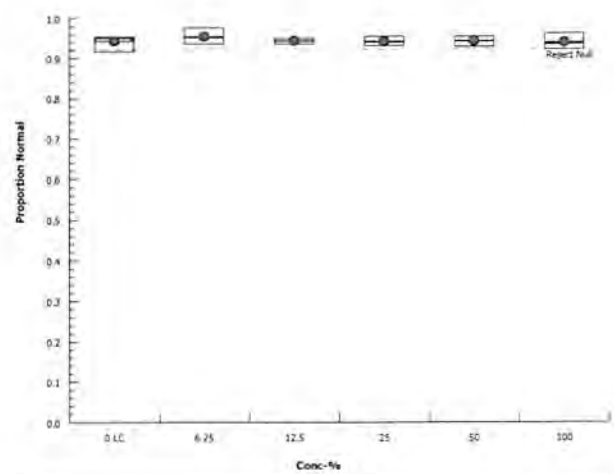
Angular (Corrected) Transformed Summary

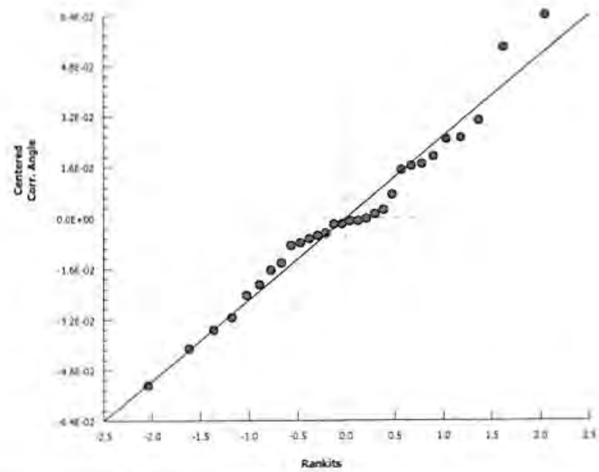
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	1.33	1.291	1.369	1.346	1.277	1.355	0.01405	2.36%	0.00%
6.25		5	1.354	1.304	1.403	1.353	1.313	1.418	0.01781	2.94%	-1.80%
12.5		5	1.33	1.315	1.345	1.33	1.314	1.345	0.005361	0.90%	-0.02%
25		5	1.327	1.303	1.35	1.325	1.306	1.357	0.008411	1.42%	0.24%
50		5	1.33	1.301	1.359	1.331	1.298	1.355	0.01041	1.75%	0.03%
100		5	1.323	1.282	1.363	1.315	1.288	1.376	0.01457	2.46%	0.55%

Bivalve Larval Survival and Development Test	**Wood E&IS**

Analysis ID:	15-9842-0437	**Endpoint:**	Proportion Normal	**CETIS Version:**	CETISv1.9.3
Analyzed:	28 Sep-22 17:19	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes

Graphics





Bivalve Larval Survival and Development Test — Wood E&IS

Analysis ID:	10-4842-8870	**Endpoint:**	Survival Rate	**CETIS Version:**	CETISv1.9.3
Analyzed:	28 Sep-22 17:19	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes

Comments:
FC = Filtered Control, 101 = 100%(1.2um flitered)

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	17.31%

Dunnett Multiple Comparison Test

Control vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Control	6.25	-1.541	2.362	0.21	8	CDF	0.9967	Non-Significant Effect
	12.5	-0.9564	2.362	0.21	8	CDF	0.9812	Non-Significant Effect
	25	-1.513	2.362	0.21	8	CDF	0.9964	Non-Significant Effect
	50	-1.367	2.362	0.21	8	CDF	0.9943	Non-Significant Effect
	100	-0.9245	2.362	0.21	8	CDF	0.9795	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0662514	0.0132503	5	0.6734	0.6475	Non-Significant Effect
Error	0.472215	0.0196756	24			
Total	0.538466		29			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	3.182	15.09	0.6720	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9646	0.9031	0.4037	Normal Distribution

Survival Rate Summary

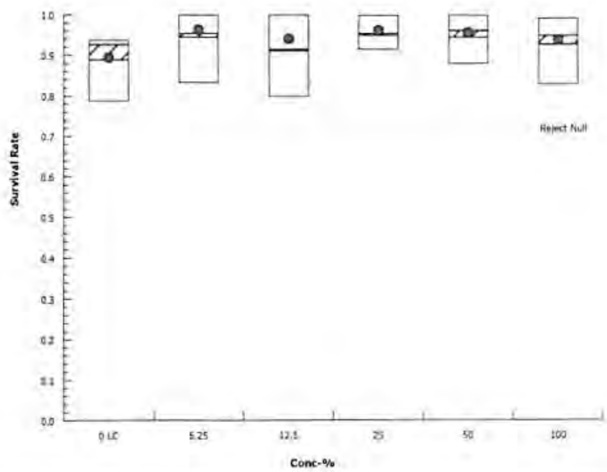
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	0.8884	0.8093	0.9675	0.9264	0.7868	0.9380	0.0285	7.17%	0.00%
6.25		5	0.9450	0.8612	1.0000	0.9535	0.8333	1.0000	0.0302	7.14%	-6.37%
12.5		5	0.9109	0.7974	1.0000	0.9147	0.7984	1.0000	0.0409	10.03%	-2.53%
25		5	0.9543	0.9160	0.9925	0.9496	0.9147	1.0000	0.0138	3.23%	-7.42%
50		5	0.9450	0.8845	1.0000	0.9612	0.8798	1.0000	0.0218	5.15%	-6.37%
100		5	0.9279	0.8497	1.0000	0.9496	0.8295	0.9922	0.0282	6.78%	-4.45%

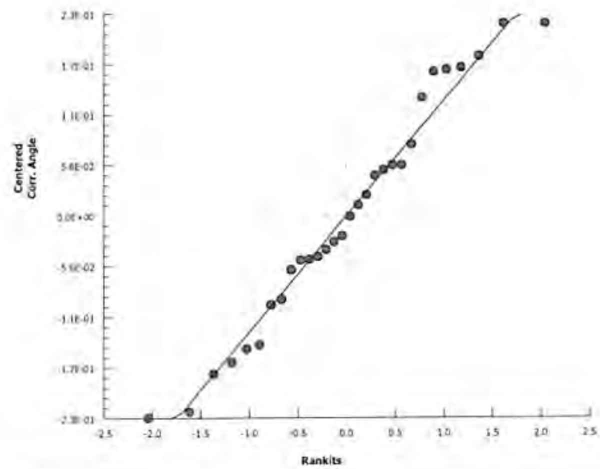
Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	1.239	1.12	1.358	1.296	1.091	1.319	0.04296	7.75%	0.00%
6.25		5	1.376	1.181	1.57	1.353	1.15	1.54	0.07007	11.39%	-11.03%
12.5		5	1.324	1.068	1.58	1.274	1.105	1.54	0.09219	15.57%	-6.85%
25		5	1.373	1.25	1.497	1.344	1.274	1.54	0.04455	7.25%	-10.84%
50		5	1.36	1.204	1.517	1.373	1.217	1.54	0.05636	9.26%	-9.79%
100		5	1.321	1.164	1.478	1.344	1.145	1.483	0.05653	9.57%	-6.62%

Bivalve Larval Survival and Development Test					Wood E&IS
Analysis ID:	10-4842-8870	Endpoint:	Survival Rate	CETIS Version:	CETISv1.9.3
Analyzed:	28 Sep-22 17:19	Analysis:	Parametric-Control vs Treatments	Official Results:	Yes

Graphics





CETIS Summary Report

Report Date: 27 Oct-22 09:21 (p 1 of 1)
Test Code/ID: 22-08-024 / 16-4918-1243

Bivalve Larval Survival and Development Test — Wood E&IS

Batch ID:	16-3381-1639	**Test Type:**	Development-Survival	**Analyst:**	
Start Date:	17 Aug-22 15:45	**Protocol:**	EPA/600/R-95/136 (1995)	**Diluent:**	Natural Seawater
Ending Date:	19 Aug-22 14:00	**Species:**	Mytilis galloprovincialis	**Brine:**	Not Applicable
Test Length:	46h	**Taxon:**		**Source:**	Field Collected **Age:**

Sample ID:	20-3080-3444	**Code:**	22-W179	**Project:**	SIYB TMDL Monitoring
Sample Date:	16 Aug-22 15:00	**Material:**	Seawater	**Source:**	Shelter Island Yacht Basin
Receipt Date:	16 Aug-22 18:20	**CAS (PC):**		**Station:**	SIYB 2
Sample Age:	25h (6.5 °C)	**Client:**	Wood Environment and Infrastructure Soluti		

Comments: FC = Filtered Control, 101 = 100%(1.2um flitered)

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	✓	NOEL	LOEL	TOEL	PMSD	TU	S
11-6065-1823	Proportion Normal	Steel Many-One Rank Sum Test		101	>101	---	---	1	1

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits Lower	TAC Limits Upper	Overlap	Decision
11-6065-1823	Proportion Normal	Control Resp	0	0.9	<<	Yes	Below Criteria

Proportion Normal Summary

% curved hinges

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	---	---
0	FC	5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	---	---
6.25		5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	---	---
12.5		5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	---	---
25		5	0.0008	-0.0014	0.0030	0.0000	0.0040	0.0008	0.0018	223.61%	---
50		5	0.0026	-0.0047	0.0100	0.0000	0.0132	0.0026	0.0059	223.61%	---
100		5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	---	---
101		5	0.0173	-0.0122	0.0469	0.0000	0.0569	0.0107	0.0238	137.32%	---

Proportion Normal Detail

MD5: 9F8F07B250D006B4EF9D973C28862309

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	LC	0.0000	0.0000	0.0000	0.0000	0.0000
0	FC	0.0000	0.0000	0.0000	0.0000	0.0000
6.25		0.0000	0.0000	0.0000	0.0000	0.0000
12.5		0.0000	0.0000	0.0000	0.0000	0.0000
25		0.0000	0.0000	0.0000	0.0000	0.0040
50		0.0132	0.0000	0.0000	0.0000	0.0000
100		0.0000	0.0000	0.0000	0.0000	0.0000
101		0.0217	0.0000	0.0082	0.0569	0.0000

CETIS Test Data Worksheet

Report Date:	15 Aug-22 11:04 (p 1 of 2)
Test Code/ID:	AG ~~16-4918-1243/624~~C823B 22-08-024

Bivalve Larval Survival and Development Test — Wood E&IS

Start Date: 17 Aug-22 1545		**Species:**	Mytilis galloprovincialis	**Sample Code:**	AG ~~790B99F4~~ 22-1178
End Date: 19 Aug-22 1400		**Protocol:**	EPA/600/R-95/136 (1995)	**Sample Source:**	Shelter Island Yacht Basin
Sample Date: 16 Aug-22 1500		**Material:**	Seawater	**Sample Station:**	SIYB 2

Conc-%	Code	Rep	Pos	Initial Density	Final Density	# Counted	# Normal	Notes
			71			228	216	BI 9/19/22
			72			248 ~~228~~ BI	~~216~~ 232	
			73			245 ~~248~~	~~232~~ 214 BI	2 curved
			74			233	218	
			75			206	195	
			76			264	249	
			77			234	219	
			78			240	227	
			79			217	203	
			80			263	248	
			81			242	230	
			82			256	236	
			83			235	218	
			84			246	230	
			85			251	235	9/21/22
			86			231	207	5+ curved
			87			203	191	
			88			239	228	
			89			211	205	
			90			214	206	
			91			248	234	
			92			260	247	
			93			261	249	
			94			227	216	3 curved
			95			212	191	
			96			236	219	
			97			248	231	1 curved
			98			245 ~~255~~ BI	234	
			99			230	217	
			100			225	213	
			101			243	232	
			102			245	230	
			103			236	222	
			104			236	222	

CETIS Test Data Worksheet

Conc-%	Code	Rep	Pos	Initial Density	Final Density	# Counted	# Normal	Notes
			105			211	179	BF 9/21/22 12 curved
			106			257	245	
			107			272	256	
			108			223	212	
			109			244	229	
			110			215	210	9/22/22

CETIS Test Data Worksheet

Test Code/ID: 16-4918-1243/624C823B

Bivalve Larval Survival and Development Test			Wood E&IS
Start Date: 17 Aug-22	Species: Mytilis galloprovincialis	Sample Code: 790B99F4	
End Date: 19 Aug-22	Protocol: EPA/600/R-95/136 (1995)	Sample Source: Shelter Island Yacht Basin	
Sample Date: 16 Aug-22	Material: Seawater	Sample Station: SIYB 2	

Conc-%	Code	Rep	Pos	Initial Density	Final Density	# Counted	# Normal	Notes
0	FC	1	74					
0	FC	2	99					
0	FC	3	89					
0	FC	4	78					
0	FC	5	71					
0	LC	1	96					
0	LC	2	87					
0	LC	3	88					
0	LC	4	81					
0	LC	5	108					
6.25		1	110					
6.25		2	101					
6.25		3	84					
6.25		4	80					
6.25		5	106					
12.5		1	75					
12.5		2	103					
12.5		3	79					
12.5		4	76					
12.5		5	92					
25		1	98					
25		2	104					
25		3	109					
25		4	107					
25		5	97					
50		1	94					
50		2	83					
50		3	85					
50		4	91					
50		5	93					
100		1	72					
100		2	102					
100		3	82					
100		4	90					

Analyst: AE QA: BCS

Conc-%	Code	Rep	Pos	Initial Density	Final Density	# Counted	# Normal	Notes
100		5	77					
101		1	86					
101		2	100					
101		3	73					
101		4	105					
101		5	95					

QC: NJ

Water Quality for Bivalve Development

Client: Wood - Port of San Diego
Sample ID: SIYB-2
Test No. 22-08-024

Test Species: *M. galloprovincialis*
Start Date/Time: 8/17/2022 1545
End Date/Time: 8/19/2022 1400

Test Conc. (%)	Water Quality Measurements			
	Parameter	**0hr**	**24hr**	**48hr**
Lab Control	Temp. (°C)	16.2 (A)	15.9	15.1
	Salinity (ppt)	33.9	33.6	33.9
	pH (units)	7.81	7.68	7.85
	DO (mg/L)	8.0	8.2	8.5
Filter Control	Temp. (°C)	TD ~~15.9~~ 17.4 (A)	15.7	15.0
	Salinity (ppt)	TD ~~33.9~~ 33.7	33.5	34.1
	pH (units)	TD ~~7.85~~ 7.91	7.71	7.86
	DO (mg/L)	TD ~~8.2~~ 7.0	8.0	8.5
6.25	Temp. (°C)	15.9	15.8	15.0
	Salinity (ppt)	33.9	33.5	34.1
	pH (units)	7.85	7~~9~~.74 RV	7.87
	DO (mg/L)	8.2	8.3	8.5
12.5	Temp. (°C)	16.1 (A)	15.7	15.0
	Salinity (ppt)	TD ~~39.9~~ 33.9	33.8	34.3
	pH (units)	7.85	7.74	7.87
	DO (mg/L)	8.2	8.3	8.6
25	Temp. (°C)	16.1 (A)	15.8	15.0
	Salinity (ppt)	TD ~~39.9~~ 33.9	33.8	34.2
	pH (units)	7.85	7.74	7.87
	DO (mg/L)	8.3	8.4	8.6
50	Temp. (°C)	16.1 (A)	15.8	15.0
	Salinity (ppt)	TD ~~39.9~~ 33.9	33.9	34.4
	pH (units)	7.83	7.73	7.87
	DO (mg/L)	8.3~~4~~	8.4	8.6
100	Temp. (°C)	16.1 (A)	15.8	15.0
	Salinity (ppt)	34.3	34.3	34.7
	pH (units)	7.79	7.72	7.86
	DO (mg/L)	8.5	8.3	8.6
100 Filtered (1.2µm)	Temp. (°C)	16.6 (A)	16.0	15.0
	Salinity (ppt)	33.6	33.5	34.0
	pH (units)	7.81	7.73	7.86
	DO (mg/L)	8.2	8.4	8.6
	Tech Initials:	TD	JE	MS

Source of Animals: SIO Holding Facility
Date Received: 5/16/22

Comments: (A) Temp surrogate was 16.0°C @ time of innoculation

Site: SIYB-3

CETIS Summary Report

Report Date: 29 Sep-22 16:47 (p 1 of 2)
Test Code: 22-08-025 | 17-3929-8066

Bivalve Larval Survival and Development Test — Wood E&IS

Batch ID:	21-1505-1461	**Test Type:**	Development-Survival	**Analyst:**	
Start Date:	17 Aug-22 15:45	**Protocol:**	EPA/600/R-95/136 (1995)	**Diluent:**	Natural Seawater
Ending Date:	19 Aug-22 14:00	**Species:**	Mytilis galloprovincialis	**Brine:**	Not Applicable
Duration:	46h	**Source:**	Field Collected	**Age:**	

Sample ID:	14-3425-3552	**Code:**	22-W179	**Client:**	Wood Environment and Infrastructure
Sample Date:	16 Aug-22 14:15	**Material:**	Seawater	**Project:**	SIYB TMDL Monitoring
Receipt Date:	16 Aug-22 18:20	**Source:**	Shelter Island Yacht Basin		
Sample Age:	26h (5.7 °C)	**Station:**	SIYB 3		

Single Comparison Summary

Analysis ID	Endpoint	Comparison Method	P-Value	Comparison Result
17-8203-4820	Combined Proportion Norma	TST-Welch's t Test	1.4E-05	100% passed combined proportion normal
01-7810-6686	Combined Proportion Norma	TST-Welch's t Test	7.0E-05	101% passed combined proportion normal

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD ✓
11-5202-0167	Combined Proportion Norma	Dunnett Multiple Comparison Test	100	> 100	n/a	1	10.5%
15-3899-8529	Proportion Normal	Dunnett Multiple Comparison Test	100	> 100	n/a	1	3.73%
00-9242-9483	Survival Rate	Dunnett Multiple Comparison Test	100	> 100	n/a	1	11.1%

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits Lower	TAC Limits Upper	Overlap	Decision
15-3899-8529	Proportion Normal	Control Resp	0.9388	0.9	>>	Yes	Passes Criteria
00-9242-9483	Survival Rate	Control Resp	0.9132	0.5	>>	Yes	Passes Criteria

Combined Proportion Normal Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	5	0.8574	0.7782	0.9365	0.7752	0.9341	0.0285	0.0638	7.44%	0.00%
0	FC	5	0.8881	0.8047	0.9714	0.7829	0.9434	0.0300	0.0671	7.56%	-3.58%
6.25		5	0.8512	0.8132	0.8891	0.8101	0.8915	0.0137	0.0306	3.59%	0.72%
12.5		5	0.8768	0.7868	0.9669	0.7868	0.9579	0.0324	0.0725	8.27%	-2.27%
25		5	0.9191	0.8591	0.9792	0.8643	0.9774	0.0216	0.0484	5.26%	-7.20%
50		5	0.9098	0.8569	0.9626	0.8566	0.9535	0.0190	0.0426	4.68%	-6.11%
100		5	0.9048	0.8699	0.9397	0.8721	0.9341	0.0126	0.0281	3.11%	-5.53%
101		5	0.9008	0.8596	0.9420	0.8643	0.9496	0.0148	0.0332	3.68%	-5.06%

Proportion Normal Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	5	0.9388	0.9261	0.9515	0.9259	0.9500	0.0046	0.0102	1.09%	0.00%
0	FC	5	0.9474	0.9305	0.9644	0.9352	0.9710	0.0061	0.0137	1.44%	-0.92%
6.25		5	0.9543	0.9343	0.9743	0.9316	0.9766	0.0072	0.0161	1.69%	-1.65%
12.5		5	0.9475	0.9263	0.9687	0.9186	0.9602	0.0076	0.0171	1.80%	-0.93%
25		5	0.9560	0.9336	0.9783	0.9292	0.9774	0.0080	0.0180	1.88%	-1.83%
50		5	0.9364	0.9057	0.9671	0.9012	0.9609	0.0111	0.0247	2.64%	0.25%
100		5	0.9417	0.9041	0.9793	0.8962	0.9718	0.0135	0.0303	3.22%	-0.31%
101		5	0.9394	0.9130	0.9659	0.9076	0.9608	0.0095	0.0213	2.27%	-0.07%

Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	5	0.9132	0.8312	0.9952	0.8372	0.9922	0.0295	0.0660	7.23%	0.00%
0	FC	5	0.9372	0.8530	1.0000	0.8372	1.0000	0.0303	0.0678	7.24%	-2.63%
6.25		5	0.8922	0.8441	0.9404	0.8295	0.9302	0.0174	0.0388	4.35%	2.29%
12.5		5	0.9248	0.8442	1.0000	0.8566	1.0000	0.0290	0.0649	7.02%	-1.27%
25		5	0.9612	0.9094	1.0000	0.9070	1.0000	0.0187	0.0418	4.34%	-5.26%
50		5	0.9713	0.9354	1.0000	0.9302	1.0000	0.0130	0.0290	2.98%	-6.37%
100		5	0.9612	0.9229	0.9996	0.9147	1.0000	0.0138	0.0309	3.21%	-5.26%
101		5	0.9589	0.9219	0.9960	0.9109	0.9884	0.0134	0.0299	3.11%	-5.01%

Bivalve Larval Survival and Development Test — Wood E&IS

Combined Proportion Normal Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	LC	0.8101	0.7752	0.8837	0.8837	0.9341
0	FC	0.9427	0.9070	0.7829	0.9434	0.8643
6.25		0.8411	0.8101	0.8915	0.8682	0.8450
12.5		0.8837	0.8217	0.9579	0.9341	0.7868
25		0.9515	0.8643	0.8760	0.9264	0.9774
50		0.9031	0.8837	0.8566	0.9535	0.9520
100		0.9341	0.8721	0.8876	0.9341	0.8962
101		0.9496	0.9070	0.8643	0.8760	0.9070

Proportion Normal Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	LC	0.9500	0.9259	0.9306	0.9461	0.9414
0	FC	0.9427	0.9710	0.9352	0.9434	0.9449
6.25		0.9518	0.9766	0.9583	0.9532	0.9316
12.5		0.9461	0.9550	0.9579	0.9602	0.9186
25		0.9515	0.9292	0.9658	0.9560	0.9774
50		0.9472	0.9012	0.9208	0.9609	0.9520
100		0.9602	0.9534	0.9271	0.9718	0.8962
101		0.9608	0.9286	0.9489	0.9076	0.9512

Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	LC	0.8527	0.8372	0.9496	0.9341	0.9922
0	FC	1.0000	0.9341	0.8372	1.0000	0.9147
6.25		0.8837	0.8295	0.9302	0.9109	0.9070
12.5		0.9341	0.8605	1.0000	0.9729	0.8566
25		1.0000	0.9302	0.9070	0.9690	1.0000
50		0.9535	0.9806	0.9302	0.9922	1.0000
100		0.9729	0.9147	0.9574	0.9612	1.0000
101		0.9884	0.9767	0.9109	0.9651	0.9535

Bivalve Larval Survival and Development Test			Wood E&IS
Analysis ID: 11-5202-0167	Endpoint: Combined Proportion Normal	CETIS Version: CETISv1.9.3	
Analyzed: 29 Sep-22 16:42	Analysis: Parametric-Control vs Treatments	Official Results: Yes	

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	10.51%

Dunnett Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Control		6.25	0.2772	2.362	0.123	8	CDF	0.7388	Non-Significant Effect
		12.5	-0.6519	2.362	0.123	8	CDF	0.9583	Non-Significant Effect
		25	-1.973	2.362	0.123	8	CDF	0.9992	Non-Significant Effect
		50	-1.567	2.362	0.123	8	CDF	0.9970	Non-Significant Effect
		100	-1.323	2.362	0.123	8	CDF	0.9935	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0549788	0.0109958	5	1.611	0.1951	Non-Significant Effect
Error	0.163761	0.0068234	24			
Total	0.218739		29			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	4.827	15.09	0.4373	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9732	0.9031	0.6295	Normal Distribution

Combined Proportion Normal Summary

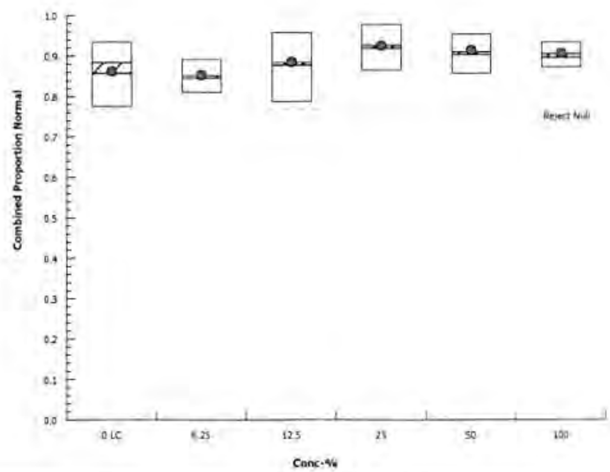
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	0.8574	0.7782	0.9365	0.8837	0.7752	0.9341	0.0285	7.44%	0.00%
6.25		5	0.8512	0.8132	0.8891	0.8450	0.8101	0.8915	0.0137	3.59%	0.72%
12.5		5	0.8768	0.7868	0.9669	0.8837	0.7868	0.9579	0.0324	8.27%	-2.27%
25		5	0.9191	0.8591	0.9792	0.9264	0.8643	0.9774	0.0216	5.26%	-7.20%
50		5	0.9098	0.8569	0.9626	0.9031	0.8566	0.9535	0.0190	4.68%	-6.11%
100		5	0.9048	0.8699	0.9397	0.8962	0.8721	0.9341	0.0126	3.11%	-5.53%

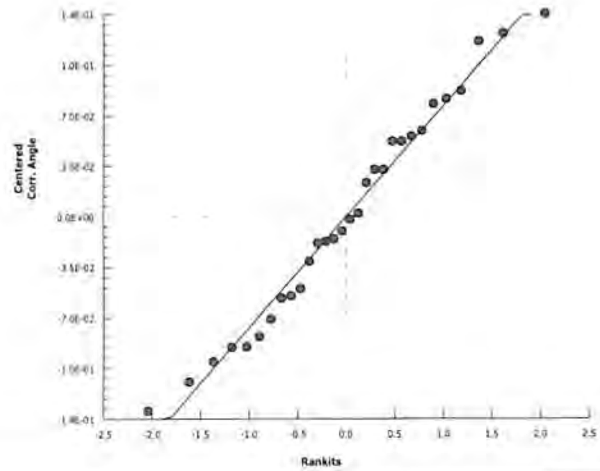
Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	1.191	1.075	1.306	1.223	1.077	1.311	0.04158	7.81%	0.00%
6.25		5	1.176	1.122	1.23	1.166	1.12	1.235	0.01938	3.69%	1.22%
12.5		5	1.225	1.082	1.368	1.223	1.091	1.364	0.05142	9.39%	-2.86%
25		5	1.294	1.176	1.411	1.296	1.194	1.42	0.04231	7.31%	-8.66%
50		5	1.273	1.177	1.368	1.254	1.182	1.353	0.03426	6.02%	-6.88%
100		5	1.26	1.199	1.32	1.243	1.205	1.311	0.02183	3.87%	-5.80%

Bivalve Larval Survival and Development Test			**Wood E&IS**
Analysis ID: 11-5202-0167	**Endpoint:** Combined Proportion Normal	**CETIS Version:** CETISv1.9.3	
Analyzed: 29 Sep-22 16:42	**Analysis:** Parametric-Control vs Treatments	**Official Results:** Yes	

Graphics





Bivalve Larval Survival and Development Test Filtered — **Wood E&IS**

Analysis ID:	01-7810-6686	**Endpoint:**	Combined Proportion Normal	**CETIS Version:**	CETISv1.9.3
Analyzed:	29 Sep-22 16:42	**Analysis:**	Parametric Bioequivalence-Two Sample	**Official Results:**	Yes

Data Transform	Alt Hyp	TST_b	Comparison Result
Angular (Corrected)	C*b < T	0.75	101% passed combined proportion normal

TST-Welch's t Test

Control	vs	Control II	Test Stat	Critical	DF	P-Type	P-Value	Decision(α:5%)
Filter Control		101*	7.471	1.895	7	CDF	7.0E-05	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0004934	0.0004934	1	0.07025	0.7977	Non-Significant Effect
Error	0.0561857	0.0070232	8			
Total	0.0566791		9			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	3.08	23.15	0.3016	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9152	0.7411	0.3185	Normal Distribution

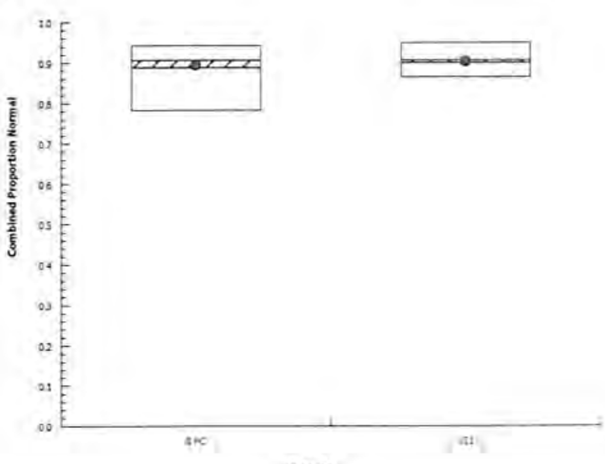
Combined Proportion Normal Summary

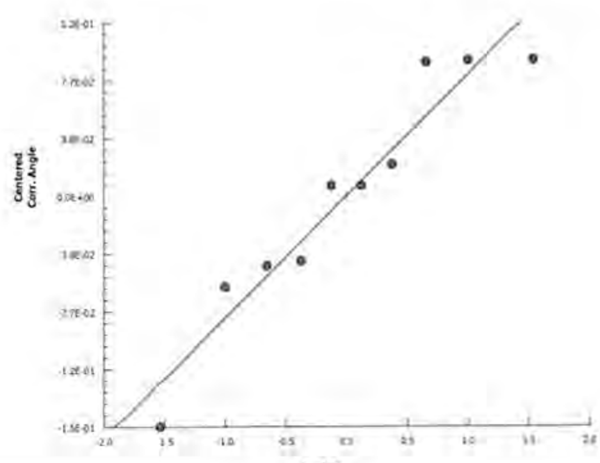
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	FC	5	0.8881	0.8047	0.9714	0.9070	0.7829	0.9434	0.0300	7.56%	0.00%
101		5	0.9008	0.8596	0.9420	0.9070	0.8643	0.9496	0.0148	3.68%	-1.43%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	FC	5	1.24	1.112	1.368	1.261	1.086	1.331	0.04605	8.30%	0.00%
101		5	1.254	1.181	1.327	1.261	1.194	1.344	0.02624	4.68%	-1.13%

Graphics





Bivalve Larval Survival and Development Test — Wood E&IS

Analysis ID:	17-8203-4820	Endpoint:	Combined Proportion Normal	CETIS Version:	CETISv1.9.3
Analyzed:	29 Sep-22 16:42	Analysis:	Parametric Bioequivalence-Two Sample	Official Results:	Yes

Data Transform	Alt Hyp	TST_b	Comparison Result
Angular (Corrected)	C*b < T	0.75	100% passed combined proportion normal

TST-Welch's t Test

Control vs	Control II	Test Stat	Critical	DF	P-Type	P-Value	Decision(α:5%)
Lab Control	100*	9.637	1.895	7	CDF	1.4E-05	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0119393	0.0119393	1	2.166	0.1793	Non-Significant Effect
Error	0.0440975	0.0055122	8			
Total	0.0560368		9			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	3.629	23.15	0.2397	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.973	0.7411	0.9172	Normal Distribution

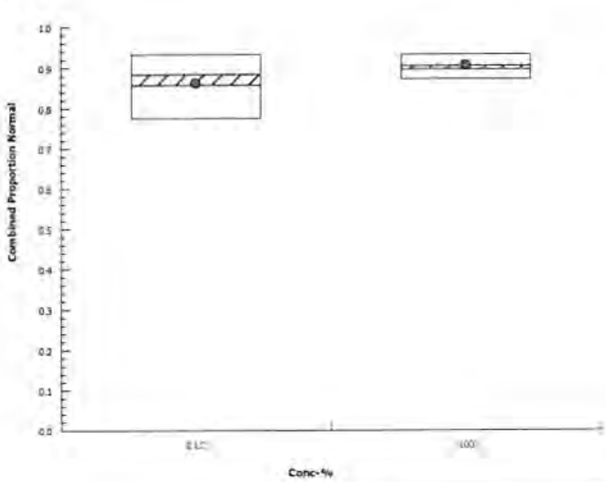
Combined Proportion Normal Summary

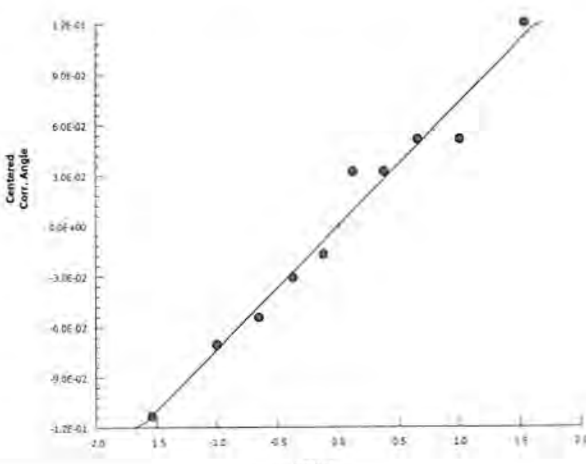
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	0.8574	0.7782	0.9365	0.8837	0.7752	0.9341	0.0285	7.44%	0.00%
100		5	0.9048	0.8699	0.9397	0.8962	0.8721	0.9341	0.0126	3.11%	-5.53%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	1.191	1.075	1.306	1.223	1.077	1.311	0.04158	7.81%	0.00%
100		5	1.26	1.199	1.32	1.243	1.205	1.311	0.02183	3.87%	-5.80%

Graphics





Bivalve Larval Survival and Development Test — Wood E&IS

Analysis ID:	15-3899-8529	**Endpoint:**	Proportion Normal	**CETIS Version:**	CETISv1.9.3
Analyzed:	29 Sep-22 16:42	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	3.73%

Dunnett Multiple Comparison Test

Control vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Control	6.25	-1.313	2.362	0.066	8	CDF	0.9933	Non-Significant Effect
	12.5	-0.7242	2.362	0.066	8	CDF	0.9652	Non-Significant Effect
	25	-1.48	2.362	0.066	8	CDF	0.9960	Non-Significant Effect
	50	0.07229	2.362	0.066	8	CDF	0.8111	Non-Significant Effect
	100	-0.4135	2.362	0.066	8	CDF	0.9271	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.008333	0.0016666	5	0.8532	0.5262	Non-Significant Effect
Error	0.0468823	0.0019534	24			
Total	0.0552153		29			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	4.184	15.09	0.5232	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9701	0.9031	0.5420	Normal Distribution

Proportion Normal Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	0.9388	0.9261	0.9515	0.9414	0.9259	0.9500	0.0046	1.09%	0.00%
6.25		5	0.9543	0.9343	0.9743	0.9532	0.9316	0.9766	0.0072	1.69%	-1.65%
12.5		5	0.9475	0.9263	0.9687	0.9550	0.9186	0.9602	0.0076	1.80%	-0.93%
25		5	0.9560	0.9336	0.9783	0.9560	0.9292	0.9774	0.0080	1.88%	-1.83%
50		5	0.9364	0.9057	0.9671	0.9472	0.9012	0.9609	0.0111	2.64%	0.25%
100		5	0.9417	0.9041	0.9793	0.9534	0.8962	0.9718	0.0135	3.22%	-0.31%

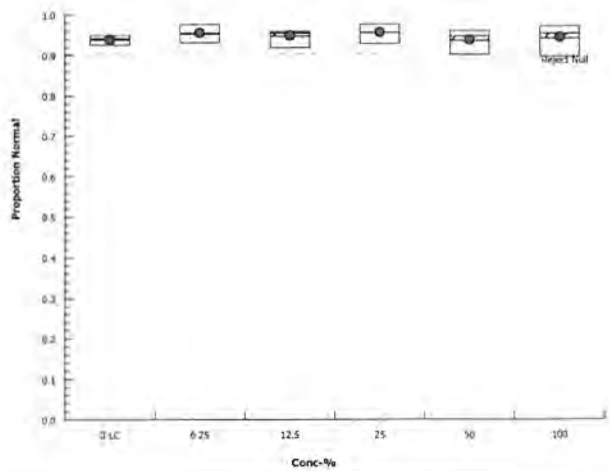
Angular (Corrected) Transformed Summary

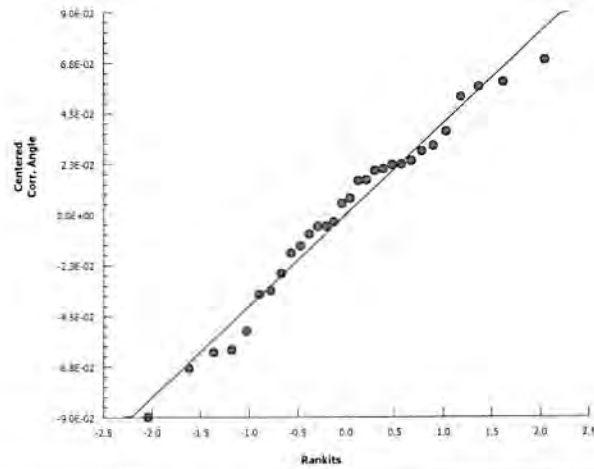
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	1.321	1.295	1.348	1.326	1.295	1.345	0.009495	1.61%	0.00%
6.25		5	1.358	1.309	1.408	1.353	1.306	1.417	0.01783	2.94%	-2.78%
12.5		5	1.342	1.297	1.386	1.357	1.281	1.37	0.01611	2.68%	-1.53%
25		5	1.363	1.308	1.417	1.359	1.301	1.42	0.01963	3.22%	-3.13%
50		5	1.319	1.258	1.381	1.339	1.251	1.372	0.02223	3.77%	0.15%
100		5	1.333	1.255	1.411	1.353	1.243	1.402	0.02824	4.74%	-0.87%

Bivalve Larval Survival and Development Test — **Wood E&IS**

Analysis ID:	15-3899-8529	**Endpoint:**	Proportion Normal	**CETIS Version:**	CETISv1.9.3
Analyzed:	29 Sep-22 16:42	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes

Graphics





Bivalve Larval Survival and Development Test — **Wood E&IS**

Analysis ID:	00-9242-9483	**Endpoint:**	Survival Rate	**CETIS Version:**	CETISv1.9.3
Analyzed:	29 Sep-22 16:42	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	11.10%

Dunnett Multiple Comparison Test

Control vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Control	6.25	0.7433	2.362	0.172	8	CDF	0.5371	Non-Significant Effect
	12.5	-0.4281	2.362	0.172	8	CDF	0.9294	Non-Significant Effect
	25	-1.556	2.362	0.172	8	CDF	0.9969	Non-Significant Effect
	50	-1.756	2.362	0.172	8	CDF	0.9984	Non-Significant Effect
	100	-1.329	2.362	0.172	8	CDF	0.9936	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.129747	0.0259495	5	1.955	0.1222	Non-Significant Effect
Error	0.318492	0.0132705	24			
Total	0.448239		29			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	3.469	15.09	0.6280	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9485	0.9031	0.1539	Normal Distribution

Survival Rate Summary

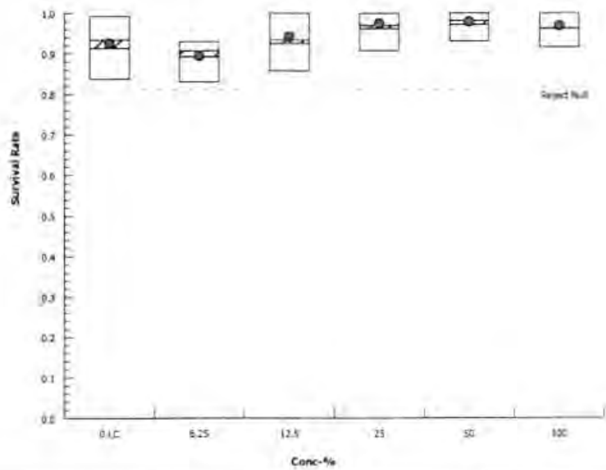
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	0.9132	0.8312	0.9952	0.9341	0.8372	0.9922	0.0295	7.23%	0.00%
6.25		5	0.8922	0.8441	0.9404	0.9070	0.8295	0.9302	0.0174	4.35%	2.29%
12.5		5	0.9248	0.8442	1.0000	0.9341	0.8566	1.0000	0.0290	7.02%	-1.27%
25		5	0.9612	0.9094	1.0000	0.9690	0.9070	1.0000	0.0187	4.34%	-5.26%
50		5	0.9713	0.9354	1.0000	0.9806	0.9302	1.0000	0.0130	2.98%	-6.37%
100		5	0.9612	0.9229	0.9996	0.9612	0.9147	1.0000	0.0138	3.21%	-5.26%

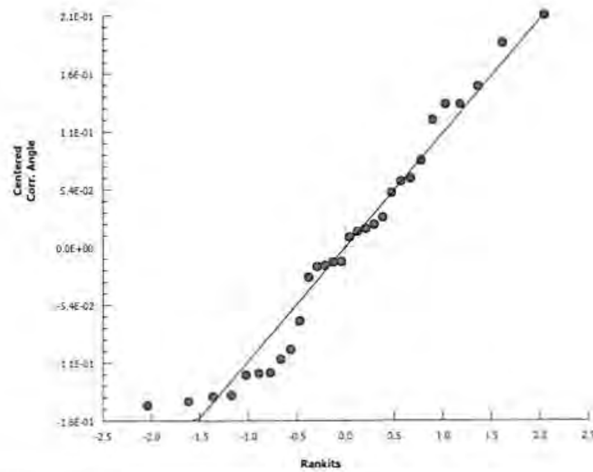
Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	1.294	1.128	1.46	1.311	1.155	1.483	0.05971	10.32%	0.00%
6.25		5	1.24	1.165	1.315	1.261	1.145	1.303	0.02696	4.86%	4.18%
12.5		5	1.325	1.137	1.513	1.311	1.182	1.54	0.06776	11.43%	-2.41%
25		5	1.407	1.246	1.569	1.394	1.261	1.54	0.05807	9.23%	-8.76%
50		5	1.422	1.304	1.54	1.431	1.303	1.54	0.04263	6.70%	-9.89%
100		5	1.391	1.272	1.51	1.373	1.274	1.54	0.04302	6.92%	-7.48%

Bivalve Larval Survival and Development Test					**Wood E&IS**
Analysis ID:	00-9242-9483	**Endpoint:**	Survival Rate	**CETIS Version:**	CETISv1.9.3
Analyzed:	29 Sep-22 16:42	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes

Graphics





CETIS Summary Report

Bivalve Larval Survival and Development Test — **Wood E&IS**

Batch ID:	21-1505-1461	**Test Type:**	Development-Survival	**Analyst:**	
Start Date:	17 Aug-22 15:45	**Protocol:**	EPA/600/R-95/136 (1995)	**Diluent:**	Natural Seawater
Ending Date:	19 Aug-22 14:00	**Species:**	Mytilis galloprovincialis	**Brine:**	Not Applicable
Test Length:	46h	**Taxon:**		**Source:**	Field Collected **Age:**

Sample ID:	14-3425-3552	**Code:**	22-W179	**Project:**	SIYB TMDL Monitoring
Sample Date:	16 Aug-22 14:15	**Material:**	Seawater	**Source:**	Shelter Island Yacht Basin
Receipt Date:	16 Aug-22 18:20	**CAS (PC):**		**Station:**	SIYB 3
Sample Age:	26h (5.7 °C)	**Client:**	Wood Environment and Infrastructure Soluti		

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	✓	NOEL	LOEL	TOEL	PMSD	TU	S
18-0238-0152	Proportion Normal	Steel Many-One Rank Sum Test		101	>101	---	---	1	1

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits Lower	TAC Limits Upper	Overlap	Decision
18-0238-0152	Proportion Normal	Control Resp	0	0.9	<<	Yes	Below Criteria

Proportion Normal Summary % curved hinges

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	---	---
0	FC	5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	---	---
6.25		5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	---	---
12.5		5	0.0008	-0.0015	0.0031	0.0000	0.0041	0.0008	0.0019	223.61%	---
25		5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	---	---
50		5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	---	---
100		5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	---	---
101		5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	---	---

Proportion Normal Detail

MD5: E519D2512B153491CEA0DC9E1007D3E4

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	LC	0.0000	0.0000	0.0000	0.0000	0.0000
0	FC	0.0000	0.0000	0.0000	0.0000	0.0000
6.25		0.0000	0.0000	0.0000	0.0000	0.0000
12.5		0.0041	0.0000	0.0000	0.0000	0.0000
25		0.0000	0.0000	0.0000	0.0000	0.0000
50		0.0000	0.0000	0.0000	0.0000	0.0000
100		0.0000	0.0000	0.0000	0.0000	0.0000
101		0.0000	0.0000	0.0000	0.0000	0.0000

CETIS Test Data Worksheet

Report Date: 15 Aug-22 11:04 (p 1 of 2)
Test Code/ID: ~~17-3929-8066~~/67AB9512 22-08-025 Wood E&IS

Bivalve Larval Survival and Development Test

Start Date: 17 Aug-22 1545 Species: Mytilis galloprovincialis Sample Code: ~~557CF8F0~~ 22-W179
End Date: 19 Aug-22 1400 Protocol: EPA/600/R-95/136 (1995) Sample Source: Shelter Island Yacht Basin
Sample Date: 16 Aug-22 1415 Material: Seawater Sample Station: SIYB 3

Conc-%	Code	Rep	Pos	Initial Density	Final Density	# Counted	# Normal	Notes
			111			235	223	BI 9/15/22
			112			240	230	
			113			240	223	
			114			256	246	
			115			262	247	
			116			265	259	
			117			236	223	
			118			234	226	
			119			265	250	
			120			235	224	
			121			236	225	
			122			228	217	
			123			214	209	9/16/22
			124			222	212	
			125			246	234	
			126			251	241	
			127			240	221	
			128			216	202	
			129			261	250	
			130			255	245	
			131			268	255	
			132			271	258	
			133			260	233	
			134			241	228	1 curved
			135			234	218	
			136			249	226	
			137			245	228	
			138			251	241	
			139			253	228	
			140			216	200	
			141			250	239	
			142			241	228	
			143			248	241	
			144			246	233	

CETIS Test Data Worksheet

Test Code/ID: ~~17-3929-8000/67AB~~9512 22-08-025

Conc-%	Code	Rep	Pos	Initial Density	Final Density	# Counted	# Normal	Notes
			145			252	234	BI 9/16/22
			146			247	229	
			147			221	203	9/19
			148			241	234	
			149			256	241	
			150			220	209	

Analyst: BI QA: AC

CETIS Test Data Worksheet

Report Date: 15 Aug-22 11:04 (p 1 of 2)
Test Code/ID: 17-3929-8066/67AB9512

Bivalve Larval Survival and Development Test — **Wood E&IS**

Start Date: 17 Aug-22	**Species:** Mytilis galloprovincialis	**Sample Code:** 557CF8F0	
End Date: 19 Aug-22	**Protocol:** EPA/600/R-95/136 (1995)	**Sample Source:** Shelter Island Yacht Basin	
Sample Date: 16 Aug-22	**Material:** Seawater	**Sample Station:** SIYB 3	

Conc-%	Code	Rep	Pos	Initial Density	Final Density	# Counted	# Normal	Notes
0	FC	1	115					
0	FC	2	148					
0	FC	3	128					
0	FC	4	119					
0	FC	5	117					
0	LC	1	150					
0	LC	2	140					
0	LC	3	137					
0	LC	4	142					
0	LC	5	149					
6.25		1	122					
6.25		2	123					
6.25		3	112					
6.25		4	120					
6.25		5	135					
12.5		1	134					
12.5		2	124					
12.5		3	129					
12.5		4	138					
12.5		5	147					
25		1	131					
25		2	113					
25		3	118					
25		4	141					
25		5	116					
50		1	144					
50		2	139					
50		3	127					
50		4	114					
50		5	132					
100		1	126					
100		2	121					
100		3	146					
100		4	143					

Analyst: AG QA: BCS

CETIS Test Data Worksheet

Test Code/ID: 17-3929-8066/67AB9512

Conc-%	Code	Rep	Pos	Initial Density	Final Density	# Counted	# Normal	Notes
100		5	133					
101		1	130					
101		2	145					
101		3	111					
101		4	136					
101		5	125					

QC: NJ

Water Quality for Bivalve Development

Client: Wood - Port of San Diego
Sample ID: SIYB-3
Test No. 22-08-028

Test Species: *M. galloprovincialis*
Start Date/Time: 8/17/2022 1545
End Date/Time: 8/19/2022 1400

Test Conc. (%)	Water Quality Measurements			
	Parameter	0hr	24hr	48hr
Lab Control	Temp. (°C)	15.7	15.8	15.0
	Salinity (ppt)	33.7	33.5	33.9
	pH (units)	7.80	7.73	7.84
	DO (mg/L)	8.2	8.4	8.4
Filter Control	Temp. (°C)	14.9	16.0	14.9
	Salinity (ppt)	33.8	33.6	34.3
	pH (units)	7.89	7.74	7.85
	DO (mg/L)	7.8	8.5	8.5
6.25	Temp. (°C)	15.7	15.9	14.9
	Salinity (ppt)	33.8	33.6	34.2
	pH (units)	7.81	7.74	7.85
	DO (mg/L)	8.2	8.4	8.4
12.5	Temp. (°C)	15.7	15.9	14.9
	Salinity (ppt)	TD ~~34.4~~ 33.9	34.0	34.2
	pH (units)	7.81	7.74	7.85
	DO (mg/L)	8.2	8.4	8.5
25	Temp. (°C)	15.9	15.8	14.9
	Salinity (ppt)	TD ~~34.8~~ 33.8	34.0	34.4
	pH (units)	7.80	7.74	7.85
	DO (mg/L)	8.3	8.4	8.5
50	Temp. (°C)	15.9	15.9	14.9
	Salinity (ppt)	34.0	34.0	34.4
	pH (units)	7.80	7.71	7.81
	DO (mg/L)	8.6	8.4	8.6
100	Temp. (°C)	16.0	15.9	14.9
	Salinity (ppt)	34.3	34.2	34.6
	pH (units)	7.81	7.71	7.81
	DO (mg/L)	8.4	8.4	8.5
100 Filtered (1.2µm)	Temp. (°C)	16.2 (A)	15.8	14.9
	Salinity (ppt)	33.7	34.0	34.3
	pH (units)	7.80	7.72	7.82
	DO (mg/L)	8.3	8.3	8.5
	Tech Initials:	TD	JP	MS

Source of Animals: (A) ~~Temp surrogate was~~ TD SIO Holding Facility   Date Received: 5/10/22

Comments: (A) Temp surrogate was 16.0°C @ time of innoculation

Site: SIYB-4

Bivalve Larval Survival and Development Test — Wood E&IS

Batch ID:	18-9235-0027	Test Type:	Development-Survival	Analyst:	
Start Date:	17 Aug-22 15:45	Protocol:	EPA/600/R-95/136 (1995)	Diluent:	Natural Seawater
Ending Date:	19 Aug-22 14:00	Species:	Mytilis galloprovincialis	Brine:	Not Applicable
Duration:	46h	Source:	Field Collected	Age:	

Sample ID:	02-1309-4355	Code:	22-W173	Client:	Wood Environment and Infrastructure
Sample Date:	16 Aug-22 13:10	Material:	Seawater	Project:	SIYB TMDL Monitoring
Receipt Date:	16 Aug-22 15:10	Source:	Shelter Island Yacht Basin		
Sample Age:	27h (9 °C)	Station:	SIYB 4		

Single Comparison Summary

Analysis ID	Endpoint	Comparison Method	P-Value	Comparison Result
17-2123-3141	Combined Proportion Norma	TST-Welch's t Test	7.9E-05	100% passed combined proportion normal
03-3669-4325	Combined Proportion Norma	TST-Welch's t Test	7.8E-06	101% passed combined proportion normal

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD ✓
16-6499-1509	Combined Proportion Norma	Dunnett Multiple Comparison Test	100	> 100	n/a	1	5.93%
03-9184-2493	Proportion Normal	Dunnett Multiple Comparison Test	100	> 100	n/a	1	3.36%
19-0908-0488	Survival Rate	Dunnett Multiple Comparison Test	100	> 100	n/a	1	5.29%

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits Lower	TAC Limits Upper	Overlap	Decision
03-9184-2493	Proportion Normal	Control Resp	0.9416	0.9	>>	Yes	Passes Criteria
19-0908-0488	Survival Rate	Control Resp	0.9659	0.5	>>	Yes	Passes Criteria

Combined Proportion Normal Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	5	0.9096	0.8478	0.9713	0.8217	0.9419	0.0223	0.0497	5.47%	0.00%
0	FC	5	0.8938	0.8638	0.9238	0.8527	0.9147	0.0108	0.0241	2.70%	1.73%
6.25		5	0.8915	0.8571	0.9258	0.8488	0.9186	0.0124	0.0277	3.10%	1.99%
12.5		5	0.8860	0.8547	0.9173	0.8488	0.9147	0.0113	0.0252	2.85%	2.58%
25		5	0.8744	0.8246	0.9243	0.8256	0.9109	0.0180	0.0402	4.59%	3.86%
50		5	0.8919	0.8395	0.9443	0.8488	0.9453	0.0189	0.0422	4.73%	1.94%
100		5	0.8915	0.8424	0.9406	0.8333	0.9419	0.0177	0.0395	4.43%	1.99%
101		5	0.8380	0.8024	0.8736	0.8101	0.8721	0.0128	0.0287	3.42%	7.87%

Proportion Normal Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	5	0.9416	0.9179	0.9652	0.9198	0.9681	0.0085	0.0191	2.02%	0.00%
0	FC	5	0.9498	0.9411	0.9586	0.9390	0.9565	0.0032	0.0071	0.75%	-0.88%
6.25		5	0.9466	0.9275	0.9657	0.9280	0.9628	0.0069	0.0154	1.63%	-0.53%
12.5		5	0.9377	0.9207	0.9547	0.9153	0.9500	0.0061	0.0137	1.46%	0.41%
25		5	0.9482	0.9143	0.9821	0.9114	0.9871	0.0122	0.0273	2.88%	-0.70%
50		5	0.9379	0.9258	0.9500	0.9251	0.9481	0.0044	0.0098	1.04%	0.39%
100		5	0.9510	0.9277	0.9743	0.9307	0.9720	0.0084	0.0188	1.97%	-1.00%
101		5	0.9326	0.9139	0.9514	0.9167	0.9530	0.0068	0.0151	1.62%	0.95%

Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	5	0.9659	0.9074	1.0000	0.8837	1.0000	0.0211	0.0471	4.88%	0.00%
0	FC	5	0.9411	0.9061	0.9760	0.8915	0.9574	0.0126	0.0281	2.99%	2.57%
6.25		5	0.9419	0.9058	0.9779	0.9147	0.9806	0.0130	0.0290	3.08%	2.49%
12.5		5	0.9450	0.9122	0.9777	0.9070	0.9729	0.0118	0.0264	2.79%	2.17%
25		5	0.9225	0.8700	0.9750	0.8643	0.9690	0.0189	0.0423	4.58%	4.49%
50		5	0.9512	0.8906	1.0000	0.8953	1.0000	0.0218	0.0488	5.13%	1.52%
100		5	0.9372	0.8985	0.9759	0.8953	0.9690	0.0139	0.0312	3.33%	2.97%
101		5	0.8984	0.8679	0.9290	0.8798	0.9380	0.0110	0.0246	2.74%	6.98%

Bivalve Larval Survival and Development Test — Wood E&IS

Combined Proportion Normal Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	LC	0.9419	0.9198	0.9302	0.9341	0.8217
0	FC	0.8527	0.8953	0.9070	0.9147	0.8992
6.25		0.9186	0.9031	0.8488	0.8798	0.9070
12.5		0.8798	0.9147	0.8837	0.8488	0.9031
25		0.9070	0.8915	0.8256	0.9109	0.8372
50		0.8488	0.9251	0.9453	0.8837	0.8566
100		0.8992	0.8333	0.8798	0.9031	0.9419
101		0.8101	0.8140	0.8721	0.8295	0.8643

Proportion Normal Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	LC	0.9681	0.9198	0.9375	0.9526	0.9298
0	FC	0.9565	0.9390	0.9474	0.9555	0.9508
6.25		0.9368	0.9628	0.9280	0.9619	0.9435
12.5		0.9153	0.9402	0.9500	0.9359	0.9472
25		0.9474	0.9871	0.9552	0.9400	0.9114
50		0.9481	0.9251	0.9453	0.9306	0.9404
100		0.9317	0.9307	0.9578	0.9628	0.9720
101		0.9167	0.9211	0.9298	0.9427	0.9530

Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	LC	0.9729	1.0000	0.9922	0.9806	0.8837
0	FC	0.8915	0.9535	0.9574	0.9574	0.9457
6.25		0.9806	0.9380	0.9147	0.9147	0.9612
12.5		0.9612	0.9729	0.9302	0.9070	0.9535
25		0.9574	0.9031	0.8643	0.9690	0.9186
50		0.8953	1.0000	1.0000	0.9496	0.9109
100		0.9651	0.8953	0.9186	0.9380	0.9690
101		0.8837	0.8837	0.9380	0.8798	0.9070

Bivalve Larval Survival and Development Test — Wood E&IS

Analysis ID:	16-6499-1509	**Endpoint:**	Combined Proportion Normal	**CETIS Version:**	CETISv1.9.3
Analyzed:	29 Sep-22 16:59	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	5.93%

Dunnett Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Control		6.25	0.9111	2.362	0.091	8	CDF	0.4600	Non-Significant Effect
		12.5	1.145	2.362	0.091	8	CDF	0.3572	Non-Significant Effect
		25	1.564	2.362	0.091	8	CDF	0.2039	Non-Significant Effect
		50	0.8073	2.362	0.091	8	CDF	0.5076	Non-Significant Effect
		100	0.8516	2.362	0.091	8	CDF	0.4872	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0098131	0.0019626	5	0.5277	0.7530	Non-Significant Effect
Error	0.0892595	0.0037192	24			
Total	0.0990726		29			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	2.492	15.09	0.7777	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9596	0.9031	0.3030	Normal Distribution

Combined Proportion Normal Summary

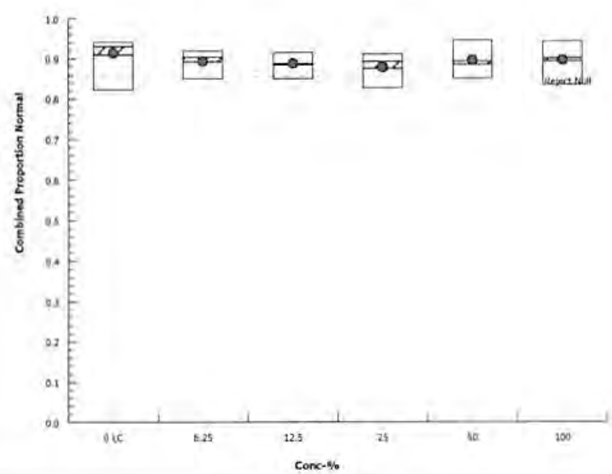
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	0.9096	0.8478	0.9713	0.9302	0.8217	0.9419	0.0223	5.47%	0.00%
6.25		5	0.8915	0.8571	0.9258	0.9031	0.8488	0.9186	0.0124	3.10%	1.99%
12.5		5	0.8860	0.8547	0.9173	0.8837	0.8488	0.9147	0.0113	2.85%	2.58%
25		5	0.8744	0.8246	0.9243	0.8915	0.8256	0.9109	0.0180	4.59%	3.86%
50		5	0.8919	0.8395	0.9443	0.8837	0.8488	0.9453	0.0189	4.73%	1.94%
100		5	0.8915	0.8424	0.9406	0.8992	0.8333	0.9419	0.0177	4.43%	1.99%

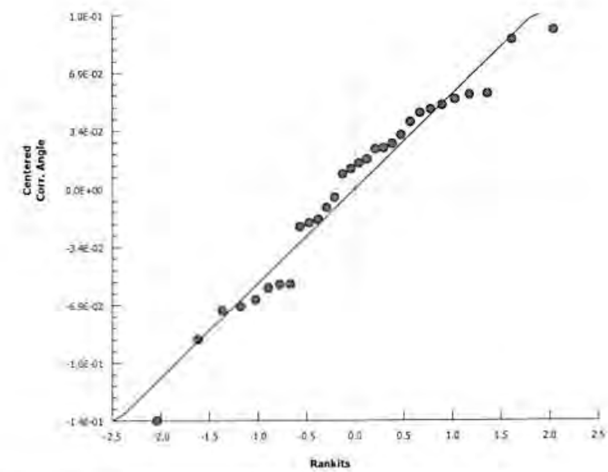
Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	1.272	1.175	1.369	1.303	1.135	1.327	0.03502	6.16%	0.00%
6.25		5	1.237	1.183	1.291	1.254	1.171	1.281	0.01943	3.51%	2.76%
12.5		5	1.228	1.179	1.277	1.223	1.171	1.274	0.0176	3.20%	3.47%
25		5	1.212	1.137	1.286	1.235	1.14	1.268	0.02683	4.95%	4.74%
50		5	1.241	1.153	1.329	1.223	1.171	1.335	0.03172	5.72%	2.45%
100		5	1.239	1.16	1.319	1.248	1.15	1.327	0.02869	5.18%	2.58%

Bivalve Larval Survival and Development Test					**Wood E&IS**
Analysis ID:	16-6499-1509	**Endpoint:**	Combined Proportion Normal	**CETIS Version:**	CETISv1.9.3
Analyzed:	29 Sep-22 16:59	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes

Graphics





Bivalve Larval Survival and Development Test — Wood E&IS

Analysis ID:	17-2123-3141	**Endpoint:**	Combined Proportion Normal	**CETIS Version:**	CETISv1.9.3
Analyzed:	29 Sep-22 16:59	**Analysis:**	Parametric Bioequivalence-Two Sample	**Official Results:**	Yes

Data Transform	Alt Hyp	TST_b	Comparison Result
Angular (Corrected)	C*b < T	0.75	100% passed combined proportion normal

TST-Welch's t Test

Control	vs	Control II	Test Stat	Critical	DF	P-Type	P-Value	Decision(α:5%)
Lab Control		100*	7.331	1.895	7	CDF	7.9E-05	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0026972	0.0026972	1	0.5264	0.4888	Non-Significant Effect
Error	0.0409938	0.0051242	8			
Total	0.043691		9			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	1.489	23.15	0.7089	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9067	0.7411	0.2589	Normal Distribution

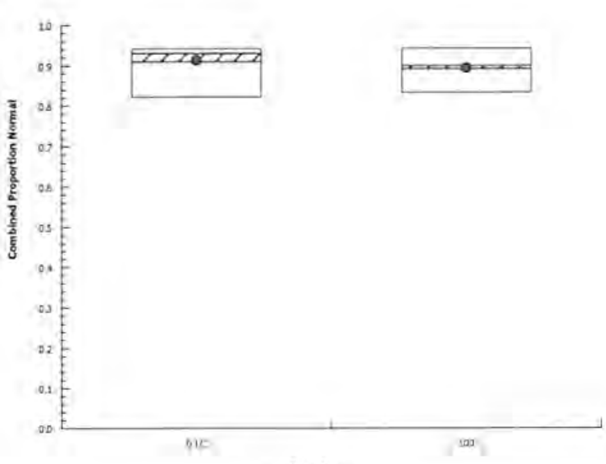
Combined Proportion Normal Summary

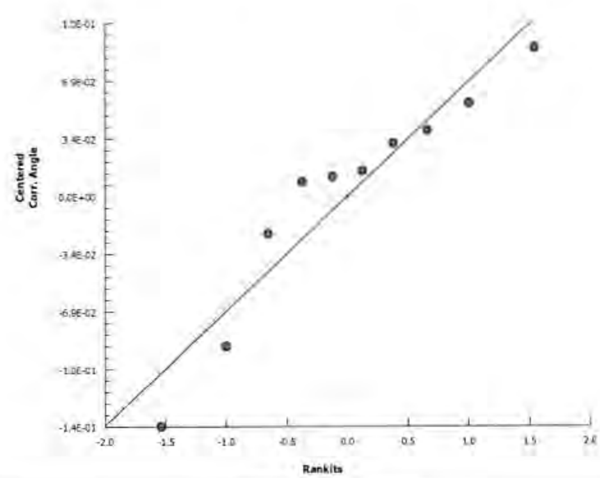
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	0.9096	0.8478	0.9713	0.9302	0.8217	0.9419	0.0223	5.47%	0.00%
100		5	0.8915	0.8424	0.9406	0.8992	0.8333	0.9419	0.0177	4.43%	1.99%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	1.272	1.175	1.369	1.303	1.135	1.327	0.03502	6.16%	0.00%
100		5	1.239	1.16	1.319	1.248	1.15	1.327	0.02869	5.18%	2.58%

Graphics





CETIS Analytical Report

Bivalve Larval Survival and Development Test — Wood E&IS

Analysis ID:	03-3669-4325	**Endpoint:**	Combined Proportion Normal	**CETIS Version:**	CETISv1.9.3
Analyzed:	29 Sep-22 17:00	**Analysis:**	Parametric Bioequivalence-Two Sample	**Official Results:**	Yes

Data Transform	Alt Hyp	TST_b	Comparison Result
Angular (Corrected)	C*b < T	0.75	101% passed combined proportion normal

TST-Welch's t Test

Control	vs	Control II	Test Stat	Critical	DF	P-Type	P-Value	Decision(α:5%)
Filter Control		101*	10.5	1.895	7	CDF	7.8E-06	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0170512	0.0170512	1	11.49	0.0095	Significant Effect
Error	0.011867	0.0014834	8			
Total	0.0289182		9			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	1.095	23.15	0.9322	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9555	0.7411	0.7340	Normal Distribution

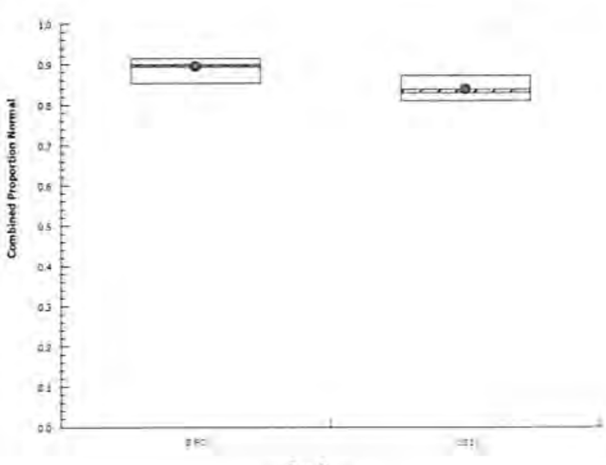
Combined Proportion Normal Summary

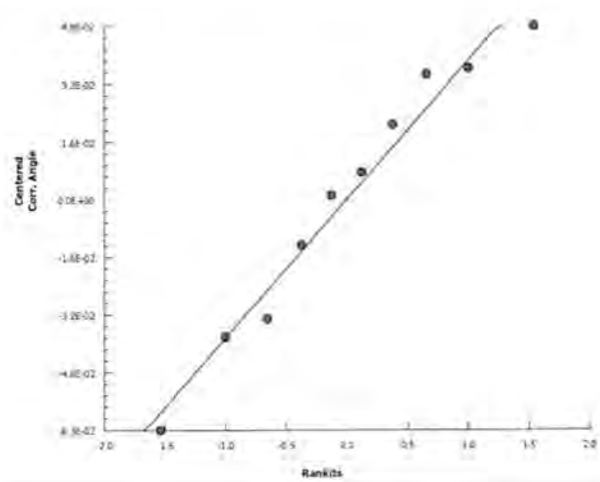
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	FC	5	0.8938	0.8638	0.9238	0.8992	0.8527	0.9147	0.0108	2.70%	0.00%
101		5	0.8380	0.8024	0.8736	0.8295	0.8101	0.8721	0.0128	3.42%	6.24%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	FC	5	1.24	1.194	1.287	1.248	1.177	1.274	0.01683	3.03%	0.00%
101		5	1.158	1.109	1.207	1.145	1.12	1.205	0.01761	3.40%	6.66%

Graphics





Bivalve Larval Survival and Development Test	Wood E&IS

Analysis ID:	03-9184-2493	Endpoint:	Proportion Normal	CETIS Version:	CETISv1.9.3
Analyzed:	29 Sep-22 16:59	Analysis:	Parametric-Control vs Treatments	Official Results:	Yes

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	3.36%

Dunnett Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Control		6.25	-0.3754	2.362	0.063	8	CDF	0.9207	Non-Significant Effect
		12.5	0.3633	2.362	0.063	8	CDF	0.7047	Non-Significant Effect
		25	-0.7338	2.362	0.063	8	CDF	0.9661	Non-Significant Effect
		50	0.3692	2.362	0.063	8	CDF	0.7023	Non-Significant Effect
		100	-0.7973	2.362	0.063	8	CDF	0.9712	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0048862	0.0009772	5	0.5415	0.7430	Non-Significant Effect
Error	0.043313	0.0018047	24			
Total	0.0481991		29			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	6.375	15.09	0.2715	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9742	0.9031	0.6594	Normal Distribution

Proportion Normal Summary

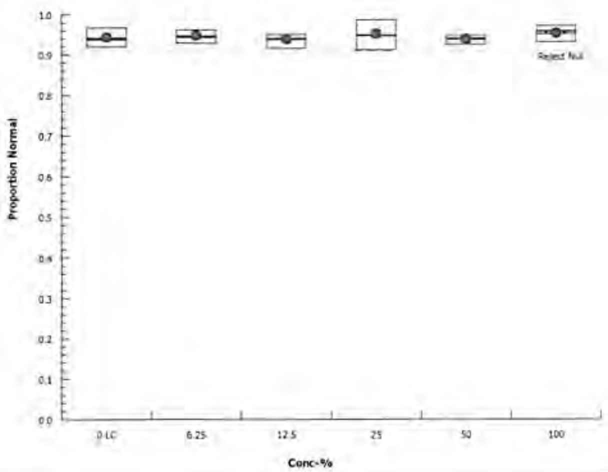
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	0.9416	0.9179	0.9652	0.9375	0.9198	0.9681	0.0085	2.02%	0.00%
6.25		5	0.9466	0.9275	0.9657	0.9435	0.9280	0.9628	0.0069	1.63%	-0.53%
12.5		5	0.9377	0.9207	0.9547	0.9402	0.9153	0.9500	0.0061	1.46%	0.41%
25		5	0.9482	0.9143	0.9821	0.9474	0.9114	0.9871	0.0122	2.88%	-0.70%
50		5	0.9379	0.9258	0.9500	0.9404	0.9251	0.9481	0.0044	1.04%	0.39%
100		5	0.9510	0.9277	0.9743	0.9578	0.9307	0.9720	0.0084	1.97%	-1.00%

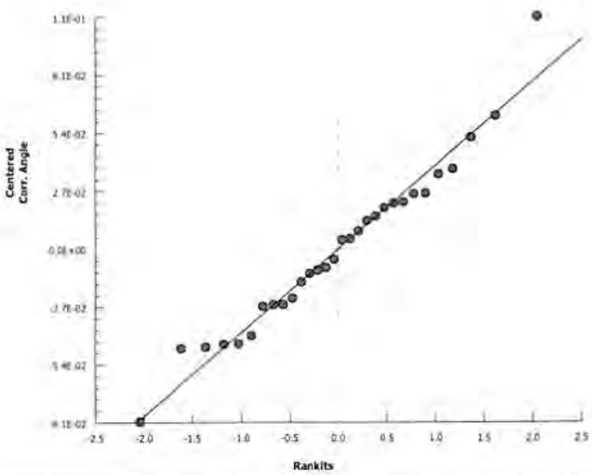
Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	1.329	1.277	1.382	1.318	1.284	1.391	0.01902	3.20%	0.00%
6.25		5	1.34	1.296	1.383	1.331	1.299	1.377	0.01554	2.59%	-0.76%
12.5		5	1.32	1.286	1.354	1.324	1.276	1.345	0.01227	2.08%	0.73%
25		5	1.349	1.264	1.435	1.339	1.269	1.457	0.0308	5.11%	-1.48%
50		5	1.32	1.295	1.344	1.324	1.294	1.341	0.00898	1.52%	0.75%
100		5	1.351	1.297	1.405	1.364	1.304	1.403	0.01956	3.24%	-1.61%

Bivalve Larval Survival and Development Test					**Wood E&IS**
Analysis ID: 03-9184-2493	**Endpoint:**	Proportion Normal	**CETIS Version:**	CETISv1.9.3	
Analyzed: 29 Sep-22 16:59	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes	

Graphics





Bivalve Larval Survival and Development Test — Wood E&IS

Analysis ID:	19-0908-0488	Endpoint:	Survival Rate	CETIS Version:	CETISv1.9.3
Analyzed:	29 Sep-22 16:59	Analysis:	Parametric-Control vs Treatments	Official Results:	Yes

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	5.29%

Dunnett Multiple Comparison Test

Control vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Control	6.25	1.366	2.362	0.142	8	CDF	0.2703	Non-Significant Effect
	12.5	1.286	2.362	0.142	8	CDF	0.3002	Non-Significant Effect
	25	1.985	2.362	0.142	8	CDF	0.1020	Non-Significant Effect
	50	0.4962	2.362	0.142	8	CDF	0.6486	Non-Significant Effect
	100	1.543	2.362	0.142	8	CDF	0.2104	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0478658	0.0095732	5	1.063	0.4049	Non-Significant Effect
Error	0.216085	0.0090035	24			
Total	0.263951		29			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	5.245	15.09	0.3867	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9845	0.9031	0.9281	Normal Distribution

Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	0.9659	0.9074	1.0000	0.9806	0.8837	1.0000	0.0211	4.88%	0.00%
6.25		5	0.9419	0.9058	0.9779	0.9380	0.9147	0.9806	0.0130	3.08%	2.49%
12.5		5	0.9450	0.9122	0.9777	0.9535	0.9070	0.9729	0.0118	2.79%	2.17%
25		5	0.9225	0.8700	0.9750	0.9186	0.8643	0.9690	0.0189	4.58%	4.49%
50		5	0.9512	0.8906	1.0000	0.9496	0.8953	1.0000	0.0218	5.13%	1.52%
100		5	0.9372	0.8985	0.9759	0.9380	0.8953	0.9690	0.0139	3.33%	2.97%

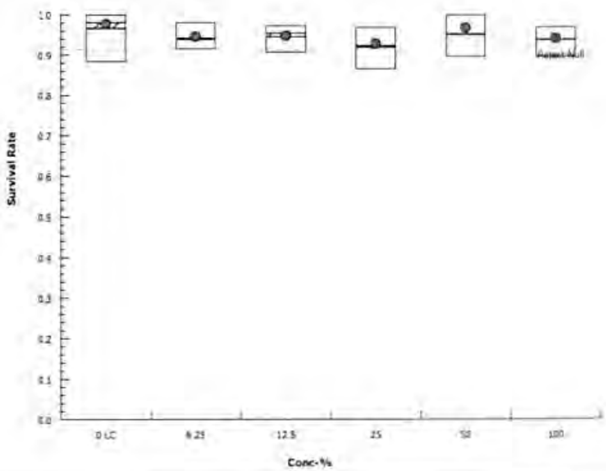
Angular (Corrected) Transformed Summary

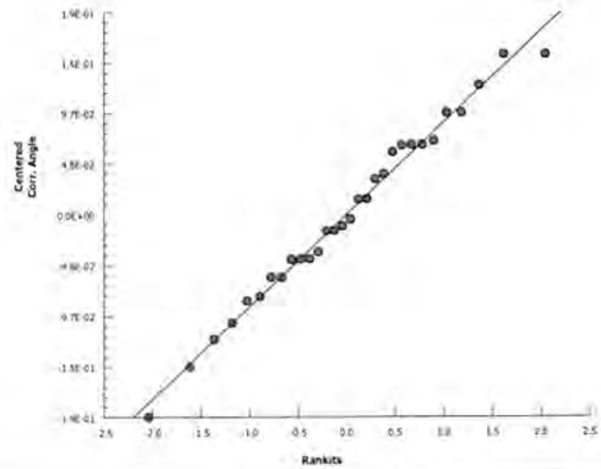
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	1.416	1.268	1.565	1.431	1.223	1.54	0.05357	8.46%	0.00%
6.25		5	1.334	1.251	1.418	1.319	1.274	1.431	0.0302	5.06%	5.79%
12.5		5	1.339	1.268	1.41	1.353	1.261	1.405	0.0256	4.27%	5.45%
25		5	1.297	1.196	1.398	1.281	1.194	1.394	0.03637	6.27%	8.41%
50		5	1.387	1.207	1.566	1.344	1.241	1.54	0.06477	10.44%	2.10%
100		5	1.324	1.243	1.405	1.319	1.241	1.394	0.02916	4.92%	6.54%

Bivalve Larval Survival and Development Test — **Wood E&IS**

Analysis ID:	19-0908-0488	**Endpoint:**	Survival Rate	**CETIS Version:**	CETISv1.9.3
Analyzed:	29 Sep-22 16:59	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes

Graphics





CETIS Summary Report

Report Date: 27 Oct-22 09:26 (p 1 of 1)
Test Code/ID: 22-08-026 / 16-7364-3257

Bivalve Larval Survival and Development Test Wood E&IS

Batch ID: 18-9235-0027	**Test Type:**	Development-Survival	**Analyst:**		
Start Date: 17 Aug-22 15:45	**Protocol:**	EPA/600/R-95/136 (1995)	**Diluent:**	Natural Seawater	
Ending Date: 19 Aug-22 14:00	**Species:**	Mytilis galloprovincialis	**Brine:**	Not Applicable	
Test Length: 46h	**Taxon:**		**Source:**	Field Collected	**Age:**

Sample ID: 02-1309-4355	**Code:**	22-W173	**Project:**	SIYB TMDL Monitoring	
Sample Date: 16 Aug-22 13:10	**Material:**	Seawater	**Source:**	Shelter Island Yacht Basin	
Receipt Date: 16 Aug-22 15:10	**CAS (PC):**		**Station:**	SIYB 4	
Sample Age: 27h (9 °C)	**Client:**	Wood Environment and Infrastructure Soluti			

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	✓	NOEL	LOEL	TOEL	PMSD	TU	S
14-9601-8121	Proportion Normal	Steel Many-One Rank Sum Test		101	>101	---	---	1	1

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits Lower	TAC Limits Upper	Overlap	Decision
14-9601-8121	Proportion Normal	Control Resp	0	0.9	<<	Yes	Below Criteria

Proportion Normal Summary % curved hinges

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	---	---
0	FC	5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	---	---
6.25		5	0.0017	-0.0029	0.0062	0.0000	0.0083	0.0017	0.0037	223.61%	---
12.5		5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	---	---
25		5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	---	---
50		5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	---	---
100		5	0.0008	-0.0014	0.0030	0.0000	0.0040	0.0008	0.0018	223.61%	---
101		5	0.0034	0.0010	0.0058	0.0000	0.0044	0.0009	0.0019	55.99%	---

Proportion Normal Detail MD5: 373AFD0B8845BFC905677CC06562959B

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	LC	0.0000	0.0000	0.0000	0.0000	0.0000
0	FC	0.0000	0.0000	0.0000	0.0000	0.0000
6.25		0.0000	0.0083	0.0000	0.0000	0.0000
12.5		0.0000	0.0000	0.0000	0.0000	0.0000
25		0.0000	0.0000	0.0000	0.0000	0.0000
50		0.0000	0.0000	0.0000	0.0000	0.0000
100		0.0040	0.0000	0.0000	0.0000	0.0000
101		0.0000	0.0044	0.0041	0.0044	0.0043

CETIS Test Data Worksheet

Report Date: 15 Aug-22 11:05 (p 1 of 2)
Test Code/ID: ~~16-7364-3257/63C1C4F9~~ 22-08-026

Bivalve Larval Survival and Development Test — Wood E&IS

Start Date: 17 Aug-22 1545	Species: Mytilis galloprovincialis	Sample Code: ~~CB38FD3~~ 22-W173	
End Date: 19 Aug-22 1400	Protocol: EPA/600/R-95/136 (1995)	Sample Source: Shelter Island Yacht Basin	
Sample Date: 16 Aug-22 1310	Material: Seawater	Sample Station: SIYB 4	

Conc-%	Code	Rep	Pos	Initial Density	Final Density	# Counted	# Normal	Notes
			151			228	209	BI 9/7/22 2 curved
			152			242	233	
			153			236	227	
			154			250	243	9/9/22
			155			248	234	
			156			251	236	
			157			246	233	
			158			248	227	
			159			235	221	
			160			237	227	
			161			236	219	
			162			234	219	
			163			250	235	
			164			253	237	
			165			245	228	
			166			249	232	1 curved
			167			228	210	1 curved
			168			227	214	1 curved
			169			230	220	
			170			256	240	
			171			231	215	
			172			244	232	
			173			233	230	!
			174			237	216	
			175			247	236	
			176			274	259	
			177			247	234	9/15/22
			178			228	212	
			179			262	241	
			180			267	247	
			181			231	219	
			182			223	213	
			183			242	233	
			184			253	241	

CETIS Test Data Worksheet

Conc-%	Code	Rep	Pos	Initial Density	Final Density	# Counted	# Normal	Notes
			185			246	231	BF 9/15/22
			186			247	234	
			187			234	223	1 curved
			188			251	243	
			189			242	225	1curved
			190			240	228	

CETIS Test Data Worksheet

Report Date: 15 Aug-22 11:05 (p 1 of 2)
Test Code/ID: 16-7364-3257/63C1C4F9

Bivalve Larval Survival and Development Test — **Wood E&IS**

Start Date:	17 Aug-22	**Species:**	Mytilis galloprovincialis	**Sample Code:**	CB38FD3
End Date:	19 Aug-22	**Protocol:**	EPA/600/R-95/136 (1995)	**Sample Source:**	Shelter Island Yacht Basin
Sample Date:	16 Aug-22	**Material:**	Seawater	**Sample Station:**	SIYB 4

Conc-%	Code	Rep	Pos	Initial Density	Final Density	# Counted	# Normal	Notes
0	FC	1	169					
0	FC	2	185					
0	FC	3	177					
0	FC	4	175					
0	FC	5	172					
0	LC	1	188					
0	LC	2	179					
0	LC	3	170					
0	LC	4	184					
0	LC	5	178					
6.25		1	164					
6.25		2	152					
6.25		3	161					
6.25		4	153					
6.25		5	155					
12.5		1	158					
12.5		2	156					
12.5		3	190					
12.5		4	162					
12.5		5	157					
25		1	186					
25		2	173					
25		3	182					
25		4	163					
25		5	174					
50		1	181					
50		2	180					
50		3	176					
50		4	165					
50		5	159					
100		1	166					
100		2	171					
100		3	160					
100		4	183					

Conc-%	Code	Rep	Pos	Initial Density	Final Density	# Counted	# Normal	Notes
100		5	154					
101		1	151					
101		2	167					
101		3	189					
101		4	168					
101		5	187					

QC: NJ

Water Quality for Bivalve Development

Client: Wood - Port of San Diego
Sample ID: SIYB-4
Test No. 22-08-026

Test Species: *M. galloprovincialis*
Start Date/Time: 8/17/2022 1545
End Date/Time: 8/19/2022 1400

Test Conc. (%)	Water Quality Measurements			
	Parameter	0hr	24hr	48hr
Lab Control	Temp. (°C)	15.6	15.6	15.1
	Salinity (ppt)	33.9	33.5	34.1
	pH (units)	7.84	7.64	7.82
	DO (mg/L)	8.2	8.1	8.4
Filter Control	Temp. (°C)	14.8	15.4	14.9
	Salinity (ppt)	33.6	33.6	34.1
	pH (units)	7.92	7.68	7.85
	DO (mg/L)	7.6	8.4	8.5
6.25	Temp. (°C)	15.6	15.4	14.9
	Salinity (ppt)	TD ~~39.9~~ 33.9	33.9	34.2
	pH (units)	7.82	7.69	7.85
	DO (mg/L)	8.2	8.4	8.4
12.5	Temp. (°C)	15.9	15.4	14.9
	Salinity (ppt)	TD ~~39.9~~ 33.9	34.0	34.3
	pH (units)	7.81	7.69	7.85
	DO (mg/L)	8.3	8.4	8.6
25	Temp. (°C)	15.9	15.5	14.9
	Salinity (ppt)	TD ~~39.9~~ 33.9	34.0	34.3
	pH (units)	7.81	7.70	7.85
	DO (mg/L)	8.3	8.6	8.6
50	Temp. (°C)	16.0	15.5	15.0
	Salinity (ppt)	33.9	34.1	34.5
	pH (units)	7.81	7.70	7.85
	DO (mg/L)	8.4	8.4	8.6
100	Temp. (°C)	16.1 (A)	15.8	15.0
	Salinity (ppt)	34.3	34.2	34.6
	pH (units)	7.82	7.72	7.85
	DO (mg/L)	8.4	8.4	8.4
100 Filtered (1.2µm)	Temp. (°C)	16.1 (A)	15.8	15.0
	Salinity (ppt)	34.1	34.0	34.6
	pH (units)	7.80	7.72	7.85
	DO (mg/L)	8.0	8.4	8.3
	Tech Initials:	TD	JF	MS

Source of Animals: SIO Holding Facility

Date Received: 5/16/22

Comments: (A) temp surrogate was 16.0°C @ time of innoculation

Site: SIYB-5

CETIS Summary Report

Bivalve Larval Survival and Development Test — Wood E&IS

Batch ID:	02-5944-4796	**Test Type:**	Development-Survival	**Analyst:**	
Start Date:	17 Aug-22 15:45	**Protocol:**	EPA/600/R-95/136 (1995)	**Diluent:**	Natural Seawater
Ending Date:	19 Aug-22 14:00	**Species:**	Mytilis galloprovincialis	**Brine:**	Not Applicable
Duration:	46h	**Source:**	Field Collected	**Age:**	

Sample ID:	18-9079-7231	**Code:**	22-W174	**Client:**	Wood Environment and Infrastructure
Sample Date:	16 Aug-22 12:15	**Material:**	Seawater	**Project:**	SIYB TMDL Monitoring
Receipt Date:	16 Aug-22 15:10	**Source:**	Shelter Island Yacht Basin		
Sample Age:	28h (6.3 °C)	**Station:**	SIYB 5		

Single Comparison Summary

Analysis ID	Endpoint	Comparison Method	P-Value	Comparison Result
10-3649-2738	Combined Proportion Norma	TST-Welch's t Test	7.8E-05	100% passed combined proportion normal
11-1526-6195	Combined Proportion Norma	TST-Welch's t Test	4.8E-04	101% passed combined proportion normal

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD ✓
02-4885-2901	Combined Proportion Norma	Dunnett Multiple Comparison Test	100	> 100	n/a	1	9.91%
13-0508-1897	Proportion Normal	Dunnett Multiple Comparison Test	100	> 100	n/a	1	2.68%
18-3203-2393	Survival Rate	Dunnett Multiple Comparison Test	100	> 100	n/a	1	12.1%

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits Lower	TAC Limits Upper	Overlap	Decision
13-0508-1897	Proportion Normal	Control Resp	0.9397	0.9	>>	Yes	Passes Criteria
18-3203-2393	Survival Rate	Control Resp	0.9155	0.5	>>	Yes	Passes Criteria

Combined Proportion Normal Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	5	0.8600	0.7936	0.9263	0.8178	0.9316	0.0239	0.0534	6.21%	0.00%
0	FC	5	0.8670	0.7814	0.9525	0.7636	0.9472	0.0308	0.0689	7.95%	-0.81%
6.25		5	0.9112	0.8597	0.9628	0.8527	0.9538	0.0186	0.0415	4.55%	-5.96%
12.5		5	0.8977	0.8530	0.9424	0.8450	0.9380	0.0161	0.0360	4.01%	-4.39%
25		5	0.8248	0.7414	0.9083	0.7442	0.9070	0.0301	0.0672	8.15%	4.09%
50		5	0.8620	0.7955	0.9285	0.7829	0.9302	0.0239	0.0535	6.21%	-0.24%
100		5	0.8861	0.8266	0.9457	0.8372	0.9577	0.0215	0.0480	5.41%	-3.04%
101		5	0.8248	0.7865	0.8631	0.7984	0.8760	0.0138	0.0308	3.74%	4.09%

Proportion Normal Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	5	0.9397	0.9226	0.9568	0.9214	0.9550	0.0062	0.0138	1.47%	0.00%
0	FC	5	0.9490	0.9291	0.9689	0.9249	0.9646	0.0072	0.0161	1.69%	-1.00%
6.25		5	0.9562	0.9414	0.9710	0.9434	0.9735	0.0053	0.0119	1.25%	-1.76%
12.5		5	0.9463	0.9255	0.9672	0.9252	0.9660	0.0075	0.0168	1.78%	-0.71%
25		5	0.9384	0.9211	0.9558	0.9227	0.9552	0.0062	0.0140	1.49%	0.13%
50		5	0.9509	0.9342	0.9675	0.9412	0.9735	0.0060	0.0134	1.41%	-1.19%
100		5	0.9372	0.9139	0.9604	0.9137	0.9577	0.0084	0.0187	2.00%	0.27%
101		5	0.9309	0.8932	0.9685	0.8889	0.9717	0.0136	0.0303	3.26%	0.94%

Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	5	0.9155	0.8388	0.9922	0.8605	1.0000	0.0276	0.0618	6.75%	0.00%
0	FC	5	0.9132	0.8313	0.9950	0.8256	1.0000	0.0295	0.0659	7.22%	0.25%
6.25		5	0.9535	0.8868	1.0000	0.8760	1.0000	0.0240	0.0537	5.63%	-4.15%
12.5		5	0.9488	0.8964	1.0000	0.8953	0.9845	0.0189	0.0422	4.45%	-3.64%
25		5	0.8791	0.7898	0.9684	0.7791	0.9574	0.0322	0.0719	8.18%	3.98%
50		5	0.9070	0.8289	0.9851	0.8217	0.9884	0.0281	0.0629	6.94%	0.93%
100		5	0.9457	0.8813	1.0000	0.8915	1.0000	0.0232	0.0519	5.49%	-3.30%
101		5	0.8868	0.8331	0.9406	0.8217	0.9341	0.0194	0.0433	4.88%	3.13%

Bivalve Larval Survival and Development Test Wood E&IS

Combined Proportion Normal Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	LC	0.9031	0.9316	0.8217	0.8256	0.8178
0	FC	0.7636	0.9031	0.8760	0.9472	0.8450
6.25		0.9186	0.8527	0.8876	0.9434	0.9538
12.5		0.9380	0.9109	0.9147	0.8798	0.8450
25		0.8333	0.9070	0.8682	0.7442	0.7713
50		0.8527	0.8837	0.7829	0.9302	0.8605
100		0.8837	0.8372	0.8488	0.9031	0.9577
101		0.8295	0.7984	0.8140	0.8062	0.8760

Proportion Normal Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	LC	0.9395	0.9316	0.9550	0.9509	0.9214
0	FC	0.9249	0.9628	0.9456	0.9472	0.9646
6.25		0.9480	0.9735	0.9622	0.9434	0.9538
12.5		0.9603	0.9252	0.9365	0.9660	0.9437
25		0.9227	0.9474	0.9412	0.9552	0.9256
50		0.9735	0.9421	0.9528	0.9412	0.9447
100		0.9231	0.9391	0.9522	0.9137	0.9577
101		0.9185	0.9717	0.9375	0.8889	0.9378

Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	LC	0.9612	1.0000	0.8605	0.8682	0.8876
0	FC	0.8256	0.9380	0.9264	1.0000	0.8760
6.25		0.9690	0.8760	0.9225	1.0000	1.0000
12.5		0.9767	0.9845	0.9767	0.9109	0.8953
25		0.9031	0.9574	0.9225	0.7791	0.8333
50		0.8760	0.9380	0.8217	0.9884	0.9109
100		0.9574	0.8915	0.8915	0.9884	1.0000
101		0.9031	0.8217	0.8682	0.9070	0.9341

Bivalve Larval Survival and Development Test — Wood E&IS

Analysis ID:	02-4885-2901	**Endpoint:**	Combined Proportion Normal	**CETIS Version:**	CETISv1.9.3
Analyzed:	29 Sep-22 17:15	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	9.91%

Dunnett Multiple Comparison Test

Control vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Control	6.25	-1.648	2.362	0.117	8	CDF	0.9977	Non-Significant Effect
	12.5	-1.13	2.362	0.117	8	CDF	0.9885	Non-Significant Effect
	25	0.9791	2.362	0.117	8	CDF	0.4293	Non-Significant Effect
	50	-0.04992	2.362	0.117	8	CDF	0.8477	Non-Significant Effect
	100	-0.8202	2.362	0.117	8	CDF	0.9729	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0541872	0.0108374	5	1.775	0.1561	Non-Significant Effect
Error	0.146505	0.0061044	24			
Total	0.200692		29			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	0.7382	15.09	0.9808	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9554	0.9031	0.2360	Normal Distribution

Combined Proportion Normal Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	0.8600	0.7936	0.9263	0.8256	0.8178	0.9316	0.0239	6.21%	0.00%
6.25		5	0.9112	0.8597	0.9628	0.9186	0.8527	0.9538	0.0186	4.55%	-5.96%
12.5		5	0.8977	0.8530	0.9424	0.9109	0.8450	0.9380	0.0161	4.01%	-4.39%
25		5	0.8248	0.7414	0.9083	0.8333	0.7442	0.9070	0.0301	8.15%	4.09%
50		5	0.8620	0.7955	0.9285	0.8605	0.7829	0.9302	0.0239	6.21%	-0.24%
100		5	0.8861	0.8266	0.9457	0.8837	0.8372	0.9577	0.0215	5.41%	-3.04%

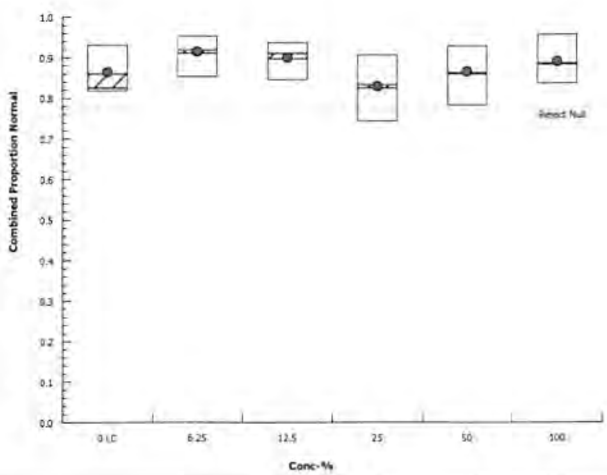
Angular (Corrected) Transformed Summary

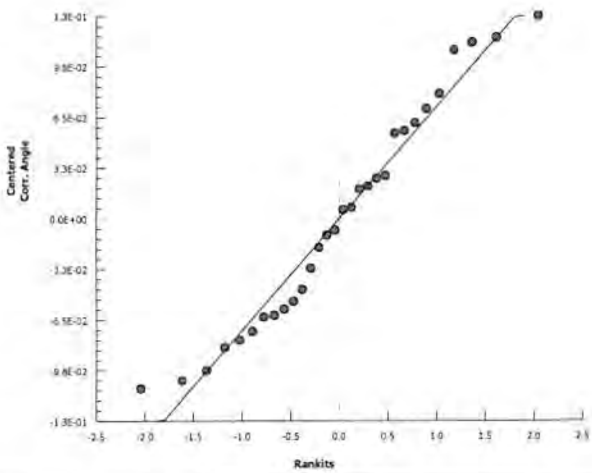
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	1.193	1.092	1.294	1.14	1.13	1.306	0.03656	6.85%	0.00%
6.25		5	1.274	1.184	1.365	1.281	1.177	1.354	0.03253	5.71%	-6.83%
12.5		5	1.249	1.176	1.322	1.268	1.166	1.319	0.02629	4.71%	-4.68%
25		5	1.145	1.032	1.257	1.15	1.041	1.261	0.04038	7.89%	4.06%
50		5	1.195	1.098	1.293	1.188	1.086	1.303	0.03519	6.58%	-0.21%
100		5	1.234	1.131	1.336	1.223	1.155	1.364	0.03702	6.71%	-3.40%

Bivalve Larval Survival and Development Test | **Wood E&IS**

Analysis ID:	02-4885-2901	**Endpoint:**	Combined Proportion Normal	**CETIS Version:**	CETISv1.9.3
Analyzed:	29 Sep-22 17:15	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes

Graphics





Bivalve Larval Survival and Development Test — Wood E&IS

Analysis ID:	10-3649-2738	**Endpoint:**	Combined Proportion Normal	**CETIS Version:**	CETISv1.9.3
Analyzed:	29 Sep-22 17:15	**Analysis:**	Parametric Bioequivalence-Two Sample	**Official Results:**	Yes

Data Transform	Alt Hyp	TST_b	Comparison Result
Angular (Corrected)	C*b < T	0.75	100% passed combined proportion normal

TST-Welch's t Test

Control	vs	Control II	Test Stat	Critical	DF	P-Type	P-Value	Decision(α:5%)
Lab Control		100*	7.354	1.895	7	CDF	7.8E-05	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0041066	0.0041066	1	0.6068	0.4584	Non-Significant Effect
Error	0.0541392	0.0067674	8			
Total	0.0582457		9			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	1.026	23.15	0.9810	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.8555	0.7411	0.0675	Normal Distribution

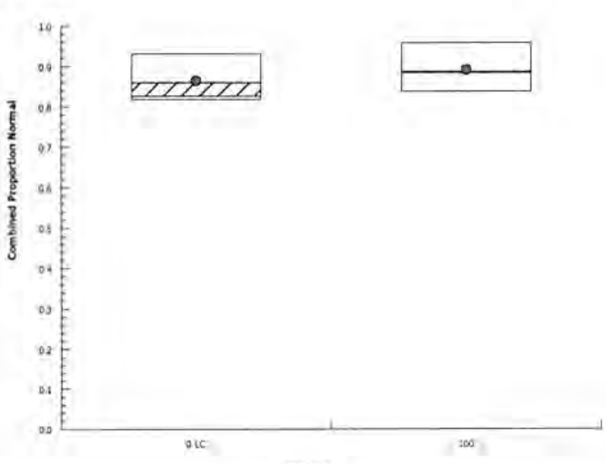
Combined Proportion Normal Summary

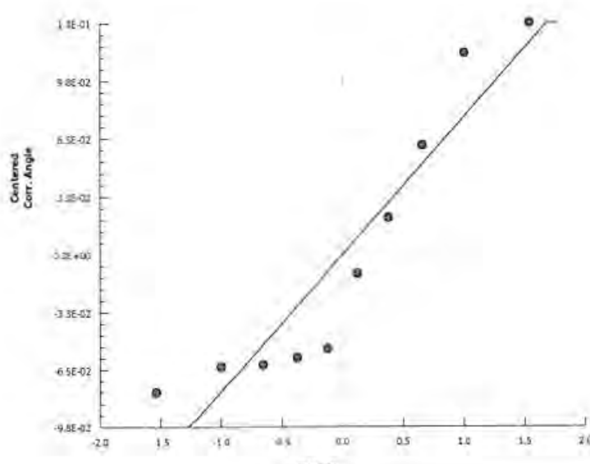
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	0.8600	0.7936	0.9263	0.8256	0.8178	0.9316	0.0239	6.21%	0.00%
100		5	0.8861	0.8266	0.9457	0.8837	0.8372	0.9577	0.0215	5.41%	-3.04%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	1.193	1.092	1.294	1.14	1.13	1.306	0.03656	6.85%	0.00%
100		5	1.234	1.131	1.336	1.223	1.155	1.364	0.03702	6.71%	-3.40%

Graphics





Bivalve Larval Survival and Development Test Filtered — Wood E&IS

Analysis ID:	11-1526-6195	**Endpoint:**	Combined Proportion Normal	**CETIS Version:**	CETISv1.9.3
Analyzed:	29 Sep-22 17:15	**Analysis:**	Parametric Bioequivalence-Two Sample	**Official Results:**	Yes

Data Transform	Alt Hyp	TST_b	Comparison Result
Angular (Corrected)	C*b < T	0.75	101% passed combined proportion normal

TST-Welch's t Test

Control	vs	Control II	Test Stat	Critical	DF	P-Type	P-Value	Decision(α:5%)
Filter Control		101*	5.997	1.943	6	CDF	4.8E-04	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0110322	0.0110322	1	1.795	0.2171	Non-Significant Effect
Error	0.049165	0.0061456	8			
Total	0.0601972		9			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	5.905	23.15	0.1137	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9583	0.7411	0.7660	Normal Distribution

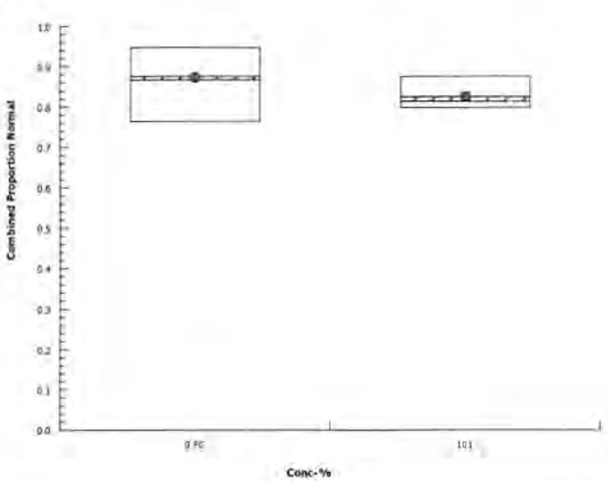
Combined Proportion Normal Summary

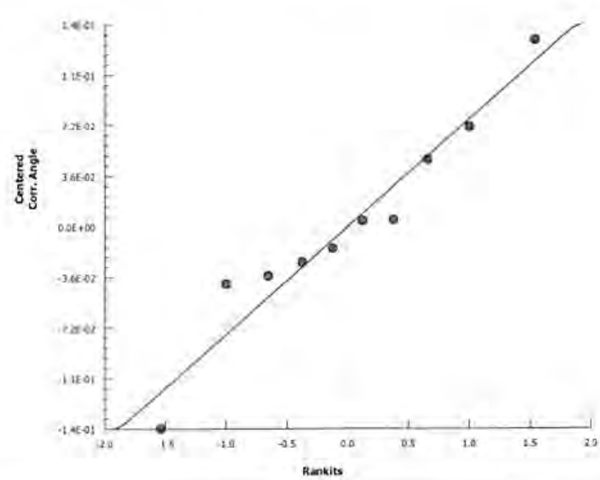
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	FC	5	0.8670	0.7814	0.9525	0.8760	0.7636	0.9472	0.0308	7.95%	0.00%
101		5	0.8248	0.7865	0.8631	0.8140	0.7984	0.8760	0.0138	3.74%	4.86%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	FC	5	1.207	1.079	1.334	1.211	1.063	1.339	0.04585	8.50%	0.00%
101		5	1.14	1.088	1.193	1.125	1.105	1.211	0.01887	3.70%	5.51%

Graphics





Bivalve Larval Survival and Development Test			Wood E&IS
Analysis ID: 13-0508-1897	**Endpoint:** Proportion Normal	**CETIS Version:** CETISv1.9.3	
Analyzed: 29 Sep-22 17:15	**Analysis:** Parametric-Control vs Treatments	**Official Results:** Yes	

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	2.68%

Dunnett Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Control		6.25	-1.784	2.362	0.05	8	CDF	0.9985	Non-Significant Effect
		12.5	-0.7313	2.362	0.05	8	CDF	0.9658	Non-Significant Effect
		25	0.1226	2.362	0.05	8	CDF	0.7946	Non-Significant Effect
		50	-1.199	2.362	0.05	8	CDF	0.9906	Non-Significant Effect
		100	0.2027	2.362	0.05	8	CDF	0.7666	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0073636	0.0014727	5	1.319	0.2897	Non-Significant Effect
Error	0.0268061	0.0011169	24			
Total	0.0341696		29			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	0.6167	15.09	0.9872	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9458	0.9031	0.1303	Normal Distribution

Proportion Normal Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	0.9397	0.9226	0.9568	0.9395	0.9214	0.9550	0.0062	1.47%	0.00%
6.25		5	0.9562	0.9414	0.9710	0.9538	0.9434	0.9735	0.0053	1.25%	-1.76%
12.5		5	0.9463	0.9255	0.9672	0.9437	0.9252	0.9660	0.0075	1.78%	-0.71%
25		5	0.9384	0.9211	0.9558	0.9412	0.9227	0.9552	0.0062	1.49%	0.13%
50		5	0.9509	0.9342	0.9675	0.9447	0.9412	0.9735	0.0060	1.41%	-1.19%
100		5	0.9372	0.9139	0.9604	0.9391	0.9137	0.9577	0.0084	2.00%	0.27%

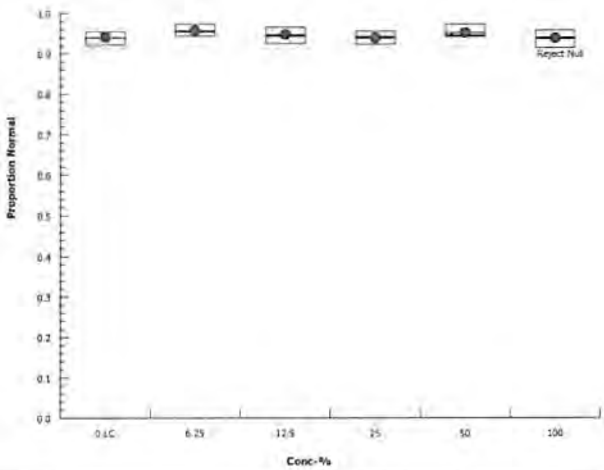
Angular (Corrected) Transformed Summary

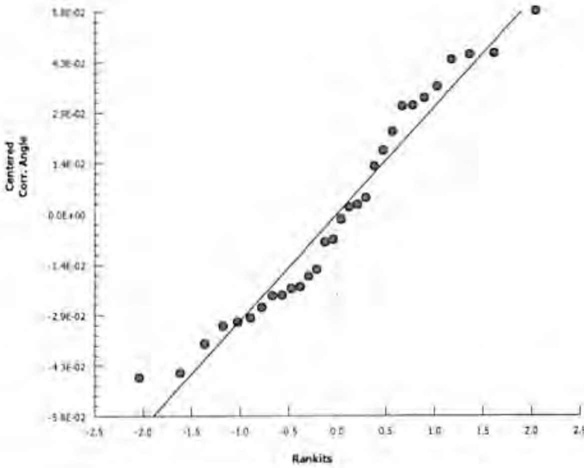
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	1.324	1.288	1.36	1.322	1.287	1.357	0.01294	2.19%	0.00%
6.25		5	1.362	1.324	1.399	1.354	1.331	1.407	0.01361	2.24%	-2.85%
12.5		5	1.339	1.292	1.386	1.331	1.294	1.385	0.01695	2.83%	-1.17%
25		5	1.321	1.285	1.358	1.326	1.289	1.358	0.01306	2.21%	0.20%
50		5	1.349	1.307	1.391	1.333	1.326	1.407	0.01519	2.52%	-1.92%
100		5	1.32	1.272	1.368	1.322	1.273	1.364	0.01729	2.93%	0.32%

Bivalve Larval Survival and Development Test — **Wood E&IS**

Analysis ID:	13-0508-1897	**Endpoint:**	Proportion Normal	**CETIS Version:**	CETISv1.9.3
Analyzed:	29 Sep-22 17:15	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes

Graphics





Bivalve Larval Survival and Development Test — Wood E&IS

Analysis ID:	18-3203-2393	**Endpoint:**	Survival Rate	**CETIS Version:**	CETISv1.9.3
Analyzed:	29 Sep-22 17:15	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	12.09%

Dunnett Multiple Comparison Test

Control vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Control	6.25	-1.09	2.362	0.193	8	CDF	0.9871	Non-Significant Effect
	12.5	-0.6424	2.362	0.193	8	CDF	0.9573	Non-Significant Effect
	25	0.9593	2.362	0.193	8	CDF	0.4382	Non-Significant Effect
	50	0.3268	2.362	0.193	8	CDF	0.7194	Non-Significant Effect
	100	-0.753	2.362	0.193	8	CDF	0.9677	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0981857	0.0196371	5	1.182	0.3472	Non-Significant Effect
Error	0.398768	0.0166153	24			
Total	0.496954		29			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	1.039	15.09	0.9594	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9448	0.9031	0.1226	Normal Distribution

Survival Rate Summary

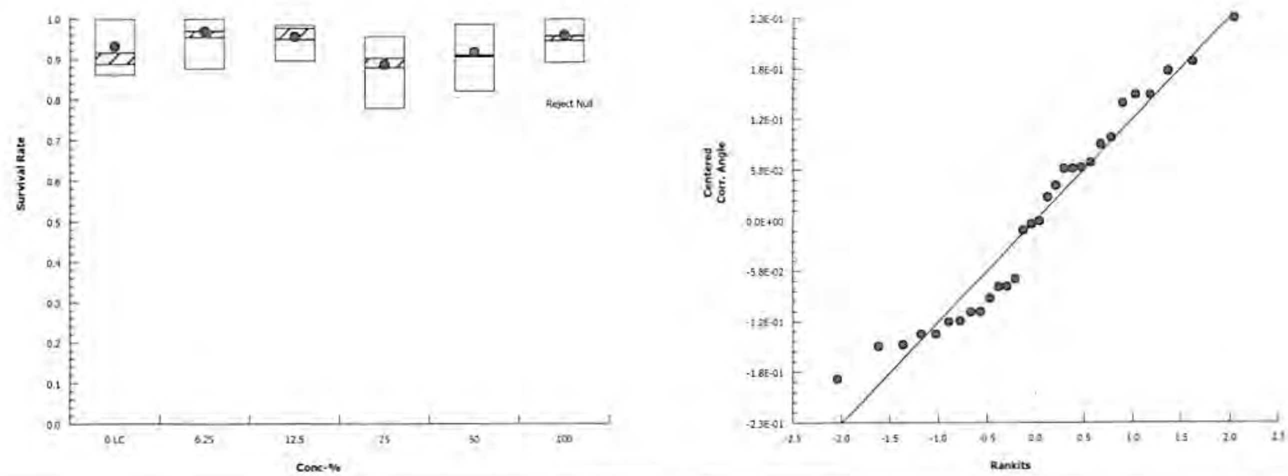
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	0.9155	0.8388	0.9922	0.8876	0.8605	1.0000	0.0276	6.75%	0.00%
6.25		5	0.9535	0.8868	1.0000	0.9690	0.8760	1.0000	0.0240	5.63%	-4.15%
12.5		5	0.9488	0.8964	1.0000	0.9767	0.8953	0.9845	0.0189	4.45%	-3.64%
25		5	0.8791	0.7898	0.9684	0.9031	0.7791	0.9574	0.0322	8.18%	3.98%
50		5	0.9070	0.8289	0.9851	0.9109	0.8217	0.9884	0.0281	6.94%	0.93%
100		5	0.9457	0.8813	1.0000	0.9574	0.8915	1.0000	0.0232	5.49%	-3.30%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	1.306	1.119	1.492	1.229	1.188	1.54	0.06719	11.51%	0.00%
6.25		5	1.395	1.211	1.578	1.394	1.211	1.54	0.06598	10.58%	-6.80%
12.5		5	1.358	1.239	1.477	1.418	1.241	1.446	0.0428	7.05%	-4.01%
25		5	1.227	1.089	1.366	1.254	1.081	1.363	0.05003	9.11%	5.99%
50		5	1.279	1.126	1.432	1.268	1.135	1.463	0.05519	9.65%	2.04%
100		5	1.367	1.198	1.536	1.363	1.235	1.54	0.06074	9.94%	-4.70%

Bivalve Larval Survival and Development Test			Wood E&IS
Analysis ID: 18-3203-2393	**Endpoint:** Survival Rate	**CETIS Version:** CETISv1.9.3	
Analyzed: 29 Sep-22 17:15	**Analysis:** Parametric-Control vs Treatments	**Official Results:** Yes	

Graphics



Bivalve Larval Survival and Development Test — Wood E&IS

Start Date: 17 Aug-22 1545 Species: Mytilis galloprovincialis Sample Code: AG ~~70B346AF~~ 22-W174
End Date: 19 Aug-22 1400 Protocol: EPA/600/R-95/136 (1995) Sample Source: Shelter Island Yacht Basin
Sample Date: 16 Aug-22 1215 Material: Seawater Sample Station: SIYB 5

Conc-%	Code	Rep	Pos	Initial Density	Final Density	# Counted	# Normal	Notes
			191			234	208	BT 9/6/22
			192			213	197	
			193			248	233	
			194			263	245	
			195			265	251	
			196			212	206	
			197			229	211	
			198			260	248	
			199			235	222	
			200			242	228	
			201			235	227	
			202			212	202	
			203			241	226	
			204			226	220	
			205			242	233	
			206			265	250	
			207			224	213	
			208			238	229	9/7/22
			209			247	234	
			210			252	242	
			211			224	210	
			212			252	236	
			213			255	233	
			214			250	237	
			215			230	219	
			216			239	226	
			217			260	249	
			218			247	228	
			219			226	220	
			220			226	218	
			221			255	240	
			222			233	215	
			223			231	218	
			224			230	216	

CETIS Test Data Worksheet

Conc-%	Code	Rep	Pos	Initial Density	Final Density	# Counted	# Normal	Notes
			225			222	212	BI 9/7/22
			226			201	192	
			227			254	235	
			228			233	214	
			229			215	199	
			230			238	224	

CETIS Test Data Worksheet

Test Code/ID: 01-6124-6406/99C6CC6

Bivalve Larval Survival and Development Test — **Wood E&IS**

Start Date:	17 Aug-22	**Species:**	Mytilis galloprovincialis	**Sample Code:**	70B346AF
End Date:	19 Aug-22	**Protocol:**	EPA/600/R-95/136 (1995)	**Sample Source:**	Shelter Island Yacht Basin
Sample Date:	16 Aug-22	**Material:**	Seawater	**Sample Station:**	SIYB 5

Conc-%	Code	Rep	Pos	Initial Density	Final Density	# Counted	# Normal	Notes
0	FC	1	192					
0	FC	2	205					
0	FC	3	216					
0	FC	4	195					
0	FC	5	220					
0	LC	1	193					
0	LC	2	194					
0	LC	3	225					
0	LC	4	207					
0	LC	5	197					
6.25		1	214					
6.25		2	204					
6.25		3	208					
6.25		4	206					
6.25		5	198					
12.5		1	210					
12.5		2	227					
12.5		3	212					
12.5		4	201					
12.5		5	223					
25		1	222					
25		2	209					
25		3	230					
25		4	226					
25		5	229					
50		1	219					
50		2	200					
50		3	202					
50		4	221					
50		5	199					
100		1	218					
100		2	224					
100		3	215					
100		4	213					

CETIS Test Data Worksheet

Conc-%	Code	Rep	Pos	Initial Density	Final Density	# Counted	# Normal	Notes
100		5	217					
101		1	228					
101		2	196					
101		3	211					
101		4	191					
101		5	203					

QC: NJ

Water Quality for Bivalve Development

Client: Wood - Port of San Diego
Sample ID: SIYB-5
Test No. 22-08-027

Test Species: *M. galloprovincialis*
Start Date/Time: 8/17/2022 1545
End Date/Time: 8/19/2022 1400

Test Conc. (%)	Water Quality Measurements			
	Parameter	**0hr**	**24hr**	**48hr**
Lab Control	Temp. (°C)	15.7	15.7	15.0
	Salinity (ppt)	34.8	33.6	34.1
	pH (units)	7.84	7.72	7.82
	DO (mg/L)	8.1	8.2	8.4
Filter Control	Temp. (°C)	15.4	15.8	14.9
	Salinity (ppt)	33.4	33.6	34.3
	pH (units)	7.91	7.74	7.84
	DO (mg/L)	8.8	8.6	8.6
6.25	Temp. (°C)	15.8	15.4	14.9
	Salinity (ppt)	34.0	33.8	34.3
	pH (units)	7.84	7.74	7.84
	DO (mg/L)	8.2	8.4	8.5
12.5	Temp. (°C)	16.2 (A)	15.5	14.8
	Salinity (ppt)	33.9	33.8	34.3
	pH (units)	7.80	7.74	7.84
	DO (mg/L)	8.3	8.5	8.6
25	Temp. (°C)	16.3 (A)	15.5	14.8
	Salinity (ppt)	34.0	33.9	34.4
	pH (units)	7.82	7.73	7.84
	DO (mg/L)	8.2	8.4	8.6
50	Temp. (°C)	15.8	15.6	14.8
	Salinity (ppt)	34.0	34.1	34.5
	pH (units)	7.81	7.73	7.84
	DO (mg/L)	8.3	8.5	8.5
100	Temp. (°C)	15.7	15.5	14.9
	Salinity (ppt)	34.3	34.3	34.7
	pH (units)	7.82	7.74	7.84
	DO (mg/L)	8.6	8.7	8.6
100 Filtered (1.2µm)	Temp. (°C)	16.0	15.7	14.9
	Salinity (ppt)	33~~39~~.9 TD	34.0	34.4
	pH (units)	7.80	7.73	7.85
	DO (mg/L)	8.3	8.5	8.5
	Tech Initials:	TD	JP	MS

Source of Animals: SIO Holding Facility
Date Received: 5/16/22

Comments: (A) temp surrogate was 16.0°C @ time of innoculation

Site: SIYB-6

CETIS Summary Report

Report Date: 29 Sep-22 17:35 (p 1 of 2)
Test Code: 22-08-028 | 02-8924-2900

Bivalve Larval Survival and Development Test — Wood E&IS

Batch ID:	03-5169-0039	Test Type:	Development-Survival	Analyst:	
Start Date:	17 Aug-22 15:45	Protocol:	EPA/600/R-95/136 (1995)	Diluent:	Natural Seawater
Ending Date:	19 Aug-22 14:00	Species:	Mytilis galloprovincialis	Brine:	Not Applicable
Duration:	46h	Source:	Field Collected	Age:	

Sample ID:	02-2890-4358	Code:	22-W175	Client:	Wood Environment and Infrastructure
Sample Date:	16 Aug-22 10:55	Material:	Seawater	Project:	SIYB TMDL Monitoring
Receipt Date:	16 Aug-22 15:10	Source:	Shelter Island Yacht Basin		
Sample Age:	29h (5.8 °C)	Station:	SIYB 6		

Single Comparison Summary

Analysis ID	Endpoint	Comparison Method	P-Value	Comparison Result
04-2332-4647	Combined Proportion Norma	TST-Welch's t Test	3.5E-04	100% passed combined proportion normal
00-4589-5488	Combined Proportion Norma	TST-Welch's t Test	6.1E-04	101% passed combined proportion normal

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD ✓
05-3302-5834	Combined Proportion Norma	Dunnett Multiple Comparison Test	100	> 100	n/a	1	11.0%
01-6027-7098	Proportion Normal	Dunnett Multiple Comparison Test	100	> 100	n/a	1	2.56%
02-7730-0299	Survival Rate	Dunnett Multiple Comparison Test	100	> 100	n/a	1	11.3%

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits Lower	TAC Limits Upper	Overlap	Decision
01-6027-7098	Proportion Normal	Control Resp	0.941	0.9	>>	Yes	Passes Criteria
02-7730-0299	Survival Rate	Control Resp	0.9039	0.5	>>	Yes	Passes Criteria

Combined Proportion Normal Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	5	0.8508	0.7647	0.9369	0.7907	0.9596	0.0310	0.0694	8.15%	0.00%
0	FC	5	0.8868	0.8587	0.9150	0.8682	0.9186	0.0101	0.0227	2.56%	-4.23%
6.25		5	0.8450	0.7699	0.9201	0.7481	0.8992	0.0271	0.0605	7.16%	0.69%
12.5		5	0.8364	0.7651	0.9078	0.7829	0.9264	0.0257	0.0575	6.87%	1.69%
25		5	0.8752	0.8244	0.9259	0.8140	0.9070	0.0183	0.0409	4.67%	-2.86%
50		5	0.8698	0.8069	0.9327	0.8101	0.9457	0.0227	0.0507	5.82%	-2.23%
100		5	0.8689	0.7907	0.9471	0.7907	0.9167	0.0282	0.0630	7.25%	-2.13%
101		5	0.8171	0.7547	0.8794	0.7519	0.8837	0.0225	0.0502	6.14%	3.97%

Proportion Normal Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	5	0.9410	0.9250	0.9570	0.9298	0.9596	0.0058	0.0129	1.37%	0.00%
0	FC	5	0.9341	0.9118	0.9563	0.9036	0.9454	0.0080	0.0179	1.92%	0.74%
6.25		5	0.9494	0.9314	0.9673	0.9309	0.9627	0.0065	0.0145	1.52%	-0.89%
12.5		5	0.9528	0.9302	0.9755	0.9231	0.9715	0.0082	0.0183	1.92%	-1.26%
25		5	0.9380	0.9226	0.9533	0.9176	0.9483	0.0055	0.0123	1.32%	0.32%
50		5	0.9371	0.9188	0.9555	0.9208	0.9569	0.0066	0.0148	1.58%	0.41%
100		5	0.9298	0.9095	0.9500	0.9163	0.9553	0.0073	0.0163	1.75%	1.19%
101		5	0.9285	0.9066	0.9504	0.9038	0.9531	0.0079	0.0176	1.90%	1.33%

Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	5	0.9039	0.8207	0.9871	0.8372	1.0000	0.0300	0.0670	7.41%	0.00%
0	FC	5	0.9496	0.9164	0.9828	0.9186	0.9729	0.0120	0.0267	2.81%	-5.06%
6.25		5	0.8899	0.8136	0.9662	0.7984	0.9535	0.0275	0.0614	6.90%	1.54%
12.5		5	0.8775	0.8143	0.9407	0.8140	0.9535	0.0228	0.0509	5.80%	2.92%
25		5	0.9333	0.8731	0.9936	0.8682	0.9884	0.0217	0.0485	5.20%	-3.26%
50		5	0.9279	0.8707	0.9851	0.8605	0.9884	0.0206	0.0461	4.97%	-2.66%
100		5	0.9178	0.8416	0.9941	0.8450	1.0000	0.0275	0.0614	6.69%	-1.54%
101		5	0.8806	0.8019	0.9594	0.8062	0.9535	0.0284	0.0634	7.20%	2.57%

Bivalve Larval Survival and Development Test — Wood E&IS

Combined Proportion Normal Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	LC	0.7946	0.9596	0.7907	0.8721	0.8372
0	FC	0.9186	0.8721	0.8682	0.9031	0.8721
6.25		0.8605	0.8876	0.8992	0.7481	0.8295
12.5		0.8333	0.9264	0.8488	0.7829	0.7907
25		0.9070	0.8953	0.9070	0.8527	0.8140
50		0.9457	0.8566	0.8488	0.8101	0.8876
100		0.9167	0.9109	0.7907	0.9163	0.8101
101		0.8256	0.8837	0.7519	0.8372	0.7868

Proportion Normal Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	LC	0.9491	0.9596	0.9315	0.9298	0.9351
0	FC	0.9442	0.9454	0.9451	0.9320	0.9036
6.25		0.9569	0.9309	0.9627	0.9369	0.9596
12.5		0.9513	0.9715	0.9563	0.9619	0.9231
25		0.9474	0.9390	0.9176	0.9483	0.9375
50		0.9569	0.9208	0.9241	0.9414	0.9424
100		0.9167	0.9553	0.9358	0.9163	0.9248
101		0.9261	0.9268	0.9327	0.9038	0.9531

Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	LC	0.8372	1.0000	0.8488	0.9380	0.8953
0	FC	0.9729	0.9225	0.9186	0.9690	0.9651
6.25		0.8992	0.9535	0.9341	0.7984	0.8643
12.5		0.8760	0.9535	0.8876	0.8140	0.8566
25		0.9574	0.9535	0.9884	0.8992	0.8682
50		0.9884	0.9302	0.9186	0.8605	0.9419
100		1.0000	0.9535	0.8450	0.9147	0.8760
101		0.8915	0.9535	0.8062	0.9264	0.8256

Bivalve Larval Survival and Development Test — Wood E&IS

Analysis ID:	05-3302-5834	**Endpoint:**	Combined Proportion Normal	**CETIS Version:**	CETISv1.9.3
Analyzed:	29 Sep-22 17:28	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	10.96%

Dunnett Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Control		6.25	0.257	2.362	0.129	8	CDF	0.7465	Non-Significant Effect
		12.5	0.4591	2.362	0.129	8	CDF	0.6646	Non-Significant Effect
		25	-0.5124	2.362	0.129	8	CDF	0.9418	Non-Significant Effect
		50	-0.4154	2.362	0.129	8	CDF	0.9274	Non-Significant Effect
		100	-0.4157	2.362	0.129	8	CDF	0.9275	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.012222	0.0024444	5	0.3277	0.8913	Non-Significant Effect
Error	0.179044	0.0074602	24			
Total	0.191266		29			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	1.433	15.09	0.9207	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9635	0.9031	0.3791	Normal Distribution

Combined Proportion Normal Summary

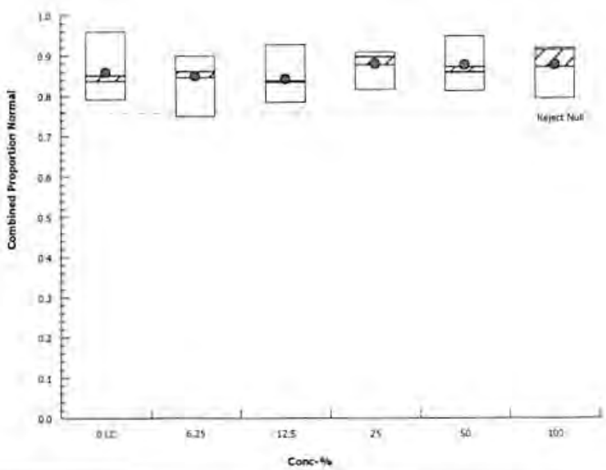
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	0.8508	0.7647	0.9369	0.8372	0.7907	0.9596	0.0310	8.15%	0.00%
6.25		5	0.8450	0.7699	0.9201	0.8605	0.7481	0.8992	0.0271	7.16%	0.69%
12.5		5	0.8364	0.7651	0.9078	0.8333	0.7829	0.9264	0.0257	6.87%	1.69%
25		5	0.8752	0.8244	0.9259	0.8953	0.8140	0.9070	0.0183	4.67%	-2.86%
50		5	0.8698	0.8069	0.9327	0.8566	0.8101	0.9457	0.0227	5.82%	-2.23%
100		5	0.8689	0.7907	0.9471	0.9109	0.7907	0.9167	0.0282	7.25%	-2.13%

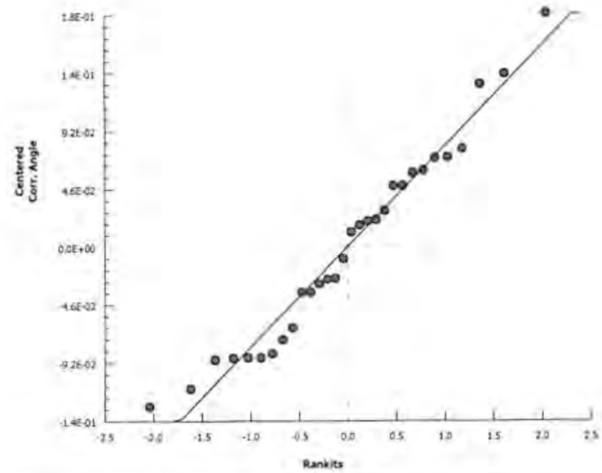
Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	1.185	1.046	1.324	1.155	1.096	1.368	0.05001	9.44%	0.00%
6.25		5	1.171	1.071	1.271	1.188	1.045	1.248	0.03612	6.90%	1.18%
12.5		5	1.16	1.055	1.264	1.15	1.086	1.296	0.03763	7.25%	2.12%
25		5	1.213	1.138	1.288	1.241	1.125	1.261	0.02689	4.96%	-2.36%
50		5	1.208	1.107	1.309	1.182	1.12	1.336	0.0364	6.74%	-1.92%
100		5	1.208	1.094	1.322	1.268	1.096	1.278	0.04102	7.60%	-1.92%

Bivalve Larval Survival and Development Test				Wood E&IS
Analysis ID: 05-3302-5834	**Endpoint:** Combined Proportion Normal		**CETIS Version:** CETISv1.9.3	
Analyzed: 29 Sep-22 17:28	**Analysis:** Parametric-Control vs Treatments		**Official Results:** Yes	

Graphics





Bivalve Larval Survival and Development Test — Wood E&IS

Analysis ID:	04-2332-4647	**Endpoint:**	Combined Proportion Normal	**CETIS Version:**	CETISv1.9.3
Analyzed:	29 Sep-22 17:34	**Analysis:**	Parametric Bioequivalence-Two Sample	**Official Results:**	Yes

Data Transform	Alt Hyp	TST_b	Comparison Result
Angular (Corrected)	C*b < T	0.75	100% passed combined proportion normal

TST-Welch's t Test

Control vs	Control II	Test Stat	Critical	DF	P-Type	P-Value	Decision(α:5%)
Lab Control	100*	5.738	1.895	7	CDF	3.5E-04	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0012892	0.0012892	1	0.1232	0.7346	Non-Significant Effect
Error	0.083679	0.0104599	8			
Total	0.0849682		9			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	1.486	23.15	0.7103	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9069	0.7411	0.2605	Normal Distribution

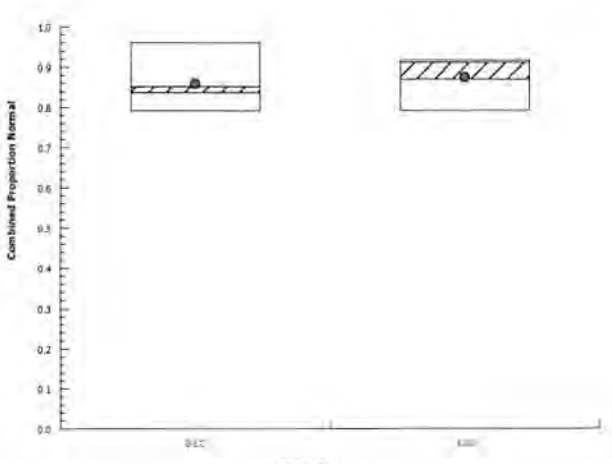
Combined Proportion Normal Summary

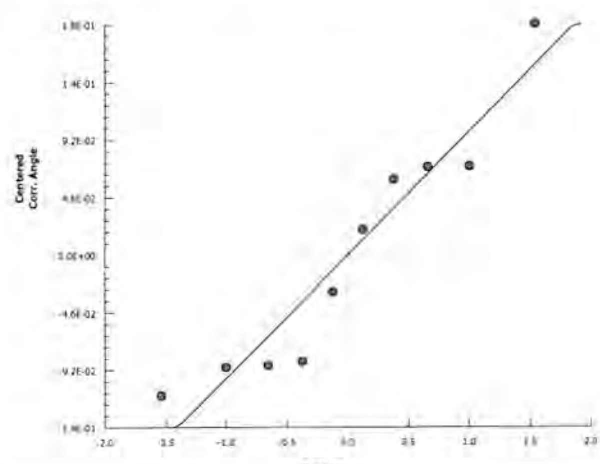
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	0.8508	0.7647	0.9369	0.8372	0.7907	0.9596	0.0310	8.15%	0.00%
100		5	0.8689	0.7907	0.9471	0.9109	0.7907	0.9167	0.0282	7.25%	-2.13%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	1.185	1.046	1.324	1.155	1.096	1.368	0.05001	9.44%	0.00%
100		5	1.208	1.094	1.322	1.268	1.096	1.278	0.04102	7.60%	-1.92%

Graphics





Bivalve Larval Survival and Development Test Filtered — **Wood E&IS**

Analysis ID:	00-4589-5488	**Endpoint:**	Combined Proportion Normal	**CETIS Version:**	CETISv1.9.3
Analyzed:	29 Sep-22 17:34	**Analysis:**	Parametric Bioequivalence-Two Sample	**Official Results:**	Yes

Data Transform	Alt Hyp	TST_b	Comparison Result
Angular (Corrected)	C*b < T	0.75	101% passed combined proportion normal

TST-Welch's t Test

Control vs	Control II	Test Stat	Critical	DF	P-Type	P-Value	Decision(α:5%)
Filter Control	101*	6.57	2.015	5	CDF	6.1E-04	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0236739	0.0236739	1	8.31	0.0204	Significant Effect
Error	0.0227914	0.0028489	8			
Total	0.0464653		9			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	3.204	23.15	0.2856	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9754	0.7411	0.9356	Normal Distribution

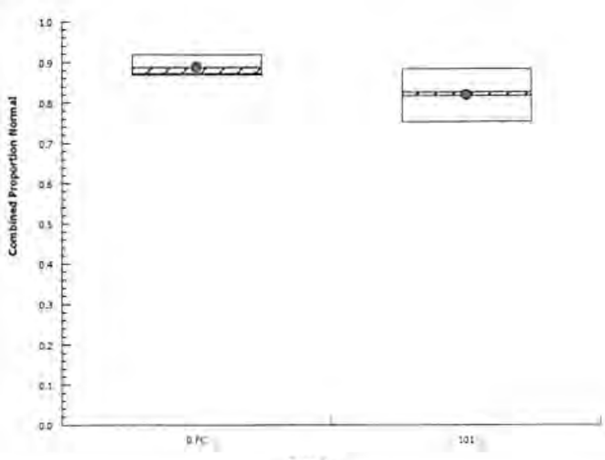
Combined Proportion Normal Summary

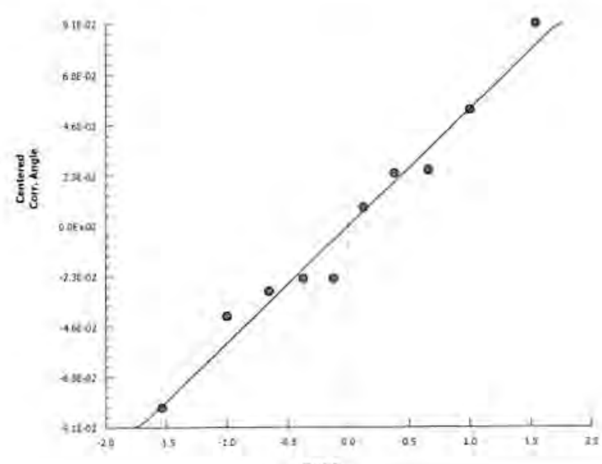
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	FC	5	0.8868	0.8587	0.9150	0.8721	0.8682	0.9186	0.0101	2.56%	0.00%
101		5	0.8171	0.7547	0.8794	0.8256	0.7519	0.8837	0.0225	6.14%	7.87%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	FC	5	1.229	1.183	1.275	1.205	1.199	1.281	0.01646	3.00%	0.00%
101		5	1.132	1.05	1.214	1.14	1.049	1.223	0.02947	5.82%	7.92%

Graphics





Bivalve Larval Survival and Development Test				Wood E&IS
Analysis ID: 01-6027-7098	Endpoint: Proportion Normal		CETIS Version: CETISv1.9.3	
Analyzed: 29 Sep-22 17:28	Analysis: Parametric-Control vs Treatments		Official Results: Yes	

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	2.56%

Dunnett Multiple Comparison Test

Control vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Control	6.25	-0.9299	2.362	0.048	8	CDF	0.9798	Non-Significant Effect
	12.5	-1.379	2.362	0.048	8	CDF	0.9945	Non-Significant Effect
	25	0.3265	2.362	0.048	8	CDF	0.7195	Non-Significant Effect
	50	0.3879	2.362	0.048	8	CDF	0.6946	Non-Significant Effect
	100	1.102	2.362	0.048	8	CDF	0.3755	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0087597	0.001752	5	1.678	0.1781	Non-Significant Effect
Error	0.0250506	0.0010438	24			
Total	0.0338103		29			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	1.106	15.09	0.9536	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9778	0.9031	0.7650	Normal Distribution

Proportion Normal Summary

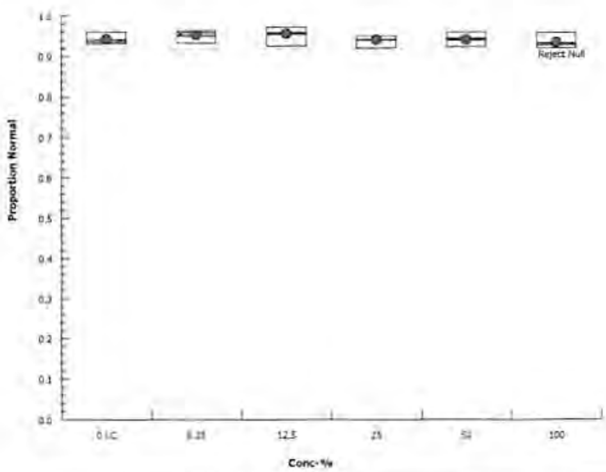
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	0.9410	0.9250	0.9570	0.9351	0.9298	0.9596	0.0058	1.37%	0.00%
6.25		5	0.9494	0.9314	0.9673	0.9569	0.9309	0.9627	0.0065	1.52%	-0.89%
12.5		5	0.9528	0.9302	0.9755	0.9563	0.9231	0.9715	0.0082	1.92%	-1.26%
25		5	0.9380	0.9226	0.9533	0.9390	0.9176	0.9483	0.0055	1.32%	0.32%
50		5	0.9371	0.9188	0.9555	0.9414	0.9208	0.9569	0.0066	1.58%	0.41%
100		5	0.9298	0.9095	0.9500	0.9248	0.9163	0.9553	0.0073	1.75%	1.19%

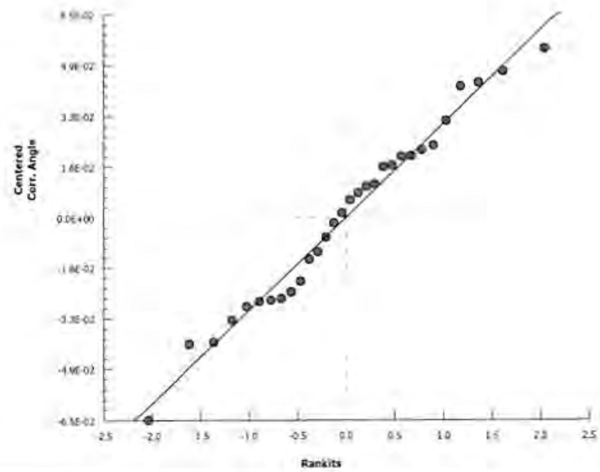
Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	1.327	1.292	1.362	1.313	1.303	1.368	0.01265	2.13%	0.00%
6.25		5	1.346	1.305	1.386	1.362	1.305	1.376	0.01452	2.41%	-1.43%
12.5		5	1.355	1.303	1.406	1.36	1.29	1.401	0.0185	3.05%	-2.12%
25		5	1.32	1.289	1.351	1.321	1.28	1.341	0.01108	1.88%	0.50%
50		5	1.319	1.28	1.357	1.326	1.286	1.362	0.01383	2.34%	0.60%
100		5	1.304	1.262	1.346	1.293	1.277	1.358	0.01501	2.57%	1.70%

Bivalve Larval Survival and Development Test					Wood E&IS
Analysis ID: 01-6027-7098		**Endpoint:** Proportion Normal		**CETIS Version:** CETISv1.9.3	
Analyzed: 29 Sep-22 17:28		**Analysis:** Parametric-Control vs Treatments		**Official Results:** Yes	

Graphics





Bivalve Larval Survival and Development Test — Wood E&IS

Analysis ID: 02-7730-0299	**Endpoint:** Survival Rate	**CETIS Version:** CETISv1.9.3	
Analyzed: 29 Sep-22 17:28	**Analysis:** Parametric-Control vs Treatments	**Official Results:** Yes	

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	11.29%

Dunnett Multiple Comparison Test

Control vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Control	6.25	0.5796	2.362	0.176	8	CDF	0.6117	Non-Significant Effect
	12.5	0.8768	2.362	0.176	8	CDF	0.4756	Non-Significant Effect
	25	-0.534	2.362	0.176	8	CDF	0.9446	Non-Significant Effect
	50	-0.3647	2.362	0.176	8	CDF	0.9188	Non-Significant Effect
	100	-0.3152	2.362	0.176	8	CDF	0.9098	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0447555	0.0089511	5	0.645	0.6678	Non-Significant Effect
Error	0.333054	0.0138773	24			
Total	0.37781		29			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	2.309	15.09	0.8049	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9396	0.9031	0.0888	Normal Distribution

Survival Rate Summary

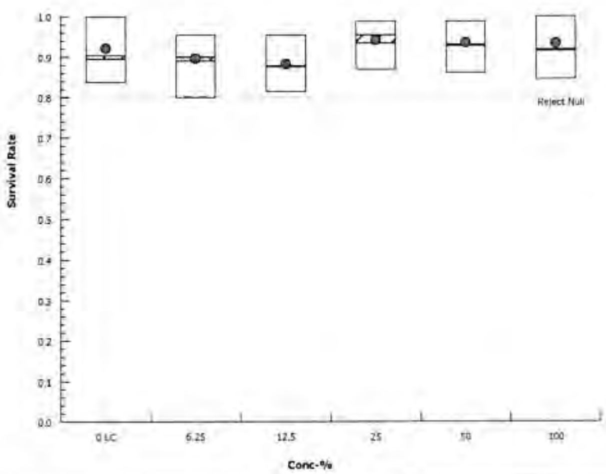
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	0.9039	0.8207	0.9871	0.8953	0.8372	1.0000	0.0300	7.41%	0.00%
6.25		5	0.8899	0.8136	0.9662	0.8992	0.7984	0.9535	0.0275	6.90%	1.54%
12.5		5	0.8775	0.8143	0.9407	0.8760	0.8140	0.9535	0.0228	5.80%	2.92%
25		5	0.9333	0.8731	0.9936	0.9535	0.8682	0.9884	0.0217	5.20%	-3.26%
50		5	0.9279	0.8707	0.9851	0.9302	0.8605	0.9884	0.0206	4.97%	-2.66%
100		5	0.9178	0.8416	0.9941	0.9147	0.8450	1.0000	0.0275	6.69%	-1.54%

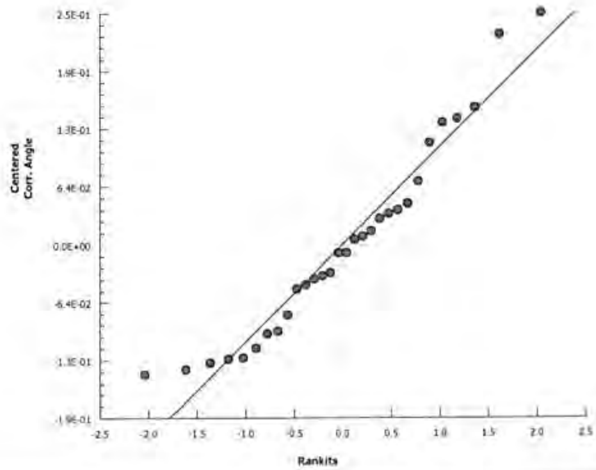
Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	1.285	1.091	1.479	1.241	1.155	1.54	0.06985	12.15%	0.00%
6.25		5	1.242	1.121	1.364	1.248	1.105	1.353	0.04375	7.88%	3.36%
12.5		5	1.22	1.115	1.325	1.211	1.125	1.353	0.03771	6.91%	5.08%
25		5	1.325	1.196	1.454	1.353	1.199	1.463	0.04636	7.82%	-3.10%
50		5	1.313	1.189	1.436	1.303	1.188	1.463	0.04435	7.56%	-2.11%
100		5	1.309	1.126	1.491	1.274	1.166	1.54	0.06573	11.23%	-1.83%

Bivalve Larval Survival and Development Test					Wood E&IS
Analysis ID: 02-7730-0299	**Endpoint:**	Survival Rate		**CETIS Version:**	CETISv1.9.3
Analyzed: 29 Sep-22 17:28	**Analysis:**	Parametric-Control vs Treatments		**Official Results:**	Yes

Graphics





Conc-%	Code	Rep	Pos	Initial Density	Final Density	# Counted	# Normal	Notes
			305			264	242 BI 9/6/22	
			306			223 ~~264~~	~~242~~ 214	
			307			210 ~~223~~	~~214~~ 202	
			308			242 ~~210~~	~~202~~ 225	
			309			255 ~~242~~	~~225~~ 244	
			310			218 ~~255~~	~~244~~ 204	

~~218~~ ~~204~~

BI BI

CETIS Test Data Worksheet

Test Code/ID: ~~02-8924-2900/113D7F14~~ 22-08-028

Bivalve Larval Survival and Development Test — Wood E&IS

Start Date: 17 Aug-22 1545 | Species: Mytilis galloprovincialis | Sample Code: ~~DA4CDA8~~ 22-W175
End Date: 19 Aug-22 1400 | Protocol: EPA/600/R-95/136 (1995) | Sample Source: Shelter Island Yacht Basin
Sample Date: 16 Aug-22 1055 | Material: Seawater | Sample Station: SIYB 6

Conc-%	Code	Rep	Pos	Initial Density	Final Density	# Counted	# Normal	Notes
			271			246	229	BI 9/1/22
			272			230	213	
			273			246	239	
			274			208	194	
			275			250	233	
			276			251	237	
			277			213	203	
			278			246	228	
			279			216	205	
			280			206	193	
			281			247	234	
			282			232	222	9/2/22
			283			222	209	
			284			221	204	
			285			229	219	
			286			255	234	
			287			226	209	
			288			249	225	
			289			226	215	
			290			241	232	
			291			240	221	
			292			263	241	
			293			237	219	
			294			232	220	
			295			224	210	
			296			272	261	
			297			239	216	
			298			243	229	
			299			246	235	
			300			231	216	
			301			219	204	
			302			237	224	
			303			238	225	9/6/22
			304			246	231	

 Analyst: BI QA: AG

CETIS Test Data Worksheet

Report Date: 16 Aug-22 15:56
Test Code/ID: 02-8924-2900/113D7F14

Bivalve Larval Survival and Development Test — **Wood E&IS**

Start Date:	17 Aug-22	**Species:**	Mytilis galloprovincialis	**Sample Code:**	DA4CDA6
End Date:	19 Aug-22	**Protocol:**	EPA/600/R-95/136 (1995)	**Sample Source:**	Shelter Island Yacht Basin
Sample Date:	16 Aug-22	**Material:**	Seawater	**Sample Station:**	SIYB 6

Conc-%	Code	Rep	Pos	Initial Density	Final Density	# Counted	# Normal	Notes
0	FC	1	276					
0	FC	2	303					
0	FC	3	302					
0	FC	4	275					
0	FC	5	288					
0	LC	1	279					
0	LC	2	296					
0	LC	3	301					
0	LC	4	308					
0	LC	5	300					
6.25		1	282					
6.25		2	271					
6.25		3	290					
6.25		4	280					
6.25		5	306					
12.5		1	289					
12.5		2	273					
12.5		3	285					
12.5		4	307					
12.5		5	284					
25		1	281					
25		2	304					
25		3	286					
25		4	294					
25		5	295					
50		1	309					
50		2	291					
50		3	293					
50		4	283					
50		5	298					
100		1	305					
100		2	299					
100		3	310					
100		4	292					

Analyst: AG QA: BCS

Conc-%	Code	Rep	Pos	Initial Density	Final Density	# Counted	# Normal	Notes
100		5	287					
101		1	272					
101		2	278					
101		3	274					
101		4	297					
101		5	277					

QC : NJ

Water Quality for Bivalve Development

Client: Wood - Port of San Diego
Sample ID: SIYB-6
Test No. 22-08-028

Test Species: *M. galloprovincialis*
Start Date/Time: 8/17/2022 1545
End Date/Time: 8/19/2022 1400

Test Conc. (%)	Water Quality Measurements			
	Parameter	0hr	24hr	48hr
Lab Control	Temp. (°C)	15.7	15.7	15.0
	Salinity (ppt)	34.0	33.4	33.9
	pH (units)	7.88	7.73	7.79
	DO (mg/L)	8.2	8.7	8.6
Filter Control	Temp. (°C)	15.6	15.5	14.9
	Salinity (ppt)	33.6	33.5	34.0
	pH (units)	7.95	7.74	7.82
	DO (mg/L)	7.5	8.6	8.7
6.25	Temp. (°C)	15.6	15.7	14.9
	Salinity (ppt)	34.0	33.8	34.3
	pH (units)	7.87	7.68	7.82
	DO (mg/L)	8.3	8.4	8.6
12.5	Temp. (°C)	15.7	15.5	14.9
	Salinity (ppt)	34.0	33.9	34.4
	pH (units)	7.86	7.71	7.82
	DO (mg/L)	8.4	8.4	8.6
25	Temp. (°C)	15.6	15.4	14.9
	Salinity (ppt)	34.0	34.0	34.4
	pH (units)	7.85	7.71	7.83
	DO (mg/L)	8.5	8.6	8.6
50	Temp. (°C)	16.6	15.6	14.9
	Salinity (ppt)	34.1	34.0	34.4
	pH (units)	7.84	7.71	7.83
	DO (mg/L)	8.5	8.5	8.6
100	Temp. (°C)	15.5	15.6	14.9
	Salinity (ppt)	34.3	34.2	34.6
	pH (units)	7.83	7.72	7.83
	DO (mg/L)	8.4	8.4	8.5
100 Filtered (1.2µm)	Temp. (°C)	TD ~~15.6~~ 15.9	15.7	14.9
	Salinity (ppt)	TD ~~33.6~~ 33.8	33.7	34.2
	pH (units)	TD ~~7.95~~ 7.84	JF ~~8.4~~ NR	7.83
	DO (mg/L)	TD ~~7.5~~ 8.3	8.3	8.6
	Tech Initials:	TD	JF	MS

Source of Animals: SIO Holding Facility

Date Received: 5/16/22

Comments: NR=Not Recorded

Site: SIYB-REF-1

CETIS Summary Report

Report Date: 29 Sep-22 17:53 (p 1 of 2)
Test Code: 22-08-029 | 16-4354-9510

Bivalve Larval Survival and Development Test — Wood E&IS

Batch ID:	05-0085-2873	**Test Type:**	Development-Survival	**Analyst:**	
Start Date:	17 Aug-22 15:45	**Protocol:**	EPA/600/R-95/136 (1995)	**Diluent:**	Natural Seawater
Ending Date:	19 Aug-22 14:00	**Species:**	Mytilis galloprovincialis	**Brine:**	Not Applicable
Duration:	46h	**Source:**	Field Collected	**Age:**	

Sample ID:	11-1236-1361	**Code:**	22-W176	**Client:**	Wood Environment and Infrastructure
Sample Date:	16 Aug-22 09:55	**Material:**	Seawater	**Project:**	SIYB TMDL Monitoring
Receipt Date:	16 Aug-22 15:10	**Source:**	Shelter Island Yacht Basin		
Sample Age:	30h (4.3 °C)	**Station:**	SIYB REF		

Single Comparison Summary

Analysis ID	Endpoint	Comparison Method	P-Value	Comparison Result
07-6420-5929	Combined Proportion Norma	TST-Welch's t Test	3.2E-05	100% passed combined proportion normal
17-5543-6595	Combined Proportion Norma	TST-Welch's t Test	0.0049	101% passed combined proportion normal

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD ✓
12-3020-7028	Combined Proportion Norma	Dunnett Multiple Comparison Test	100	> 100	n/a	1	9.64%
12-0248-4829	Proportion Normal	Dunnett Multiple Comparison Test	100	> 100	n/a	1	2.8%
13-6665-9301	Survival Rate	Dunnett Multiple Comparison Test	100	> 100	n/a	1	12.4%

Test Acceptability

				TAC Limits			
Analysis ID	Endpoint	Attribute	Test Stat	Lower	Upper	Overlap	Decision
12-0248-4829	Proportion Normal	Control Resp	0.9414	0.9	>>	Yes	Passes Criteria
13-6665-9301	Survival Rate	Control Resp	0.9124	0.5	>>	Yes	Passes Criteria

Combined Proportion Normal Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	5	0.8589	0.7704	0.9474	0.7752	0.9419	0.0319	0.0713	8.30%	0.00%
0	FC	5	0.8938	0.8486	0.9390	0.8411	0.9418	0.0163	0.0364	4.07%	-4.06%
6.25		5	0.8481	0.7748	0.9213	0.7636	0.9109	0.0264	0.0590	6.96%	1.26%
12.5		5	0.8845	0.8720	0.8970	0.8760	0.8953	0.0045	0.0100	1.13%	-2.98%
25		5	0.8059	0.7102	0.9016	0.7171	0.9209	0.0345	0.0771	9.56%	6.17%
50		5	0.9131	0.8695	0.9568	0.8527	0.9385	0.0157	0.0352	3.85%	-6.31%
100		5	0.9197	0.8781	0.9614	0.8876	0.9669	0.0150	0.0336	3.65%	-7.08%
101		5	0.8664	0.7591	0.9737	0.7636	0.9444	0.0386	0.0864	9.97%	-0.87%

Proportion Normal Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	5	0.9414	0.9272	0.9556	0.9259	0.9581	0.0051	0.0114	1.21%	0.00%
0	FC	5	0.9351	0.9242	0.9461	0.9209	0.9431	0.0039	0.0088	0.94%	0.67%
6.25		5	0.9492	0.9375	0.9609	0.9400	0.9633	0.0042	0.0094	0.99%	-0.83%
12.5		5	0.9455	0.9226	0.9684	0.9300	0.9747	0.0083	0.0185	1.95%	-0.43%
25		5	0.9342	0.9144	0.9541	0.9209	0.9600	0.0071	0.0160	1.71%	0.77%
50		5	0.9391	0.9187	0.9595	0.9151	0.9607	0.0073	0.0164	1.75%	0.25%
100		5	0.9501	0.9269	0.9734	0.9249	0.9703	0.0084	0.0188	1.97%	-0.93%
101		5	0.9460	0.9310	0.9611	0.9360	0.9665	0.0054	0.0121	1.28%	-0.49%

Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	5	0.9124	0.8185	1.0000	0.8333	1.0000	0.0338	0.0756	8.29%	0.00%
0	FC	5	0.9558	0.9082	1.0000	0.8992	1.0000	0.0171	0.0383	4.01%	-4.76%
6.25		5	0.8938	0.8092	0.9784	0.8023	0.9690	0.0305	0.0681	7.62%	2.04%
12.5		5	0.9357	0.9218	0.9495	0.9186	0.9457	0.0050	0.0112	1.19%	-2.55%
25		5	0.8628	0.7583	0.9673	0.7752	1.0000	0.0377	0.0842	9.76%	5.44%
50		5	0.9729	0.9124	1.0000	0.8876	1.0000	0.0218	0.0487	5.01%	-6.63%
100		5	0.9682	0.9220	1.0000	0.9147	1.0000	0.0166	0.0372	3.84%	-6.12%
101		5	0.9163	0.7973	1.0000	0.8101	1.0000	0.0429	0.0958	10.46%	-0.42%

Bivalve Larval Survival and Development Test — Wood E&IS

Combined Proportion Normal Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	LC	0.9419	0.7984	0.8682	0.9109	0.7752
0	FC	0.9031	0.8992	0.9418	0.8411	0.8837
6.25		0.7636	0.9109	0.8837	0.8682	0.8140
12.5		0.8760	0.8953	0.8798	0.8760	0.8953
25		0.8372	0.7171	0.7752	0.9209	0.7791
50		0.9151	0.8527	0.9368	0.9385	0.9225
100		0.8876	0.9669	0.9070	0.8953	0.9419
101		0.9341	0.7636	0.9070	0.9444	0.7829

Proportion Normal Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	LC	0.9419	0.9581	0.9412	0.9400	0.9259
0	FC	0.9209	0.9431	0.9418	0.9353	0.9344
6.25		0.9517	0.9400	0.9500	0.9412	0.9633
12.5		0.9417	0.9747	0.9303	0.9300	0.9506
25		0.9600	0.9250	0.9259	0.9209	0.9393
50		0.9151	0.9607	0.9368	0.9385	0.9444
100		0.9703	0.9669	0.9249	0.9467	0.9419
101		0.9451	0.9381	0.9360	0.9444	0.9665

Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	LC	1.0000	0.8333	0.9225	0.9690	0.8372
0	FC	0.9806	0.9535	1.0000	0.8992	0.9457
6.25		0.8023	0.9690	0.9302	0.9225	0.8450
12.5		0.9302	0.9186	0.9457	0.9419	0.9419
25		0.8721	0.7752	0.8372	1.0000	0.8295
50		1.0000	0.8876	1.0000	1.0000	0.9767
100		0.9147	1.0000	0.9806	0.9457	1.0000
101		0.9884	0.8140	0.9690	1.0000	0.8101

Bivalve Larval Survival and Development Test — Wood E&IS

Analysis ID:	12-3020-7028	**Endpoint:**	Combined Proportion Normal	**CETIS Version:**	CETISv1.9.3
Analyzed:	29 Sep-22 17:52	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	9.64%

Dunnett Multiple Comparison Test

Control vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Control	6.25	0.3973	2.362	0.117	8	CDF	0.6907	Non-Significant Effect
	12.5	-0.5847	2.362	0.117	8	CDF	0.9509	Non-Significant Effect
	25	1.478	2.362	0.117	8	CDF	0.2313	Non-Significant Effect
	50	-1.616	2.362	0.117	8	CDF	0.9974	Non-Significant Effect
	100	-1.893	2.362	0.117	8	CDF	0.9990	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0993533	0.0198707	5	3.223	0.0229	Significant Effect
Error	0.147957	0.0061649	24			
Total	0.24731		29			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	10.47	15.09	0.0630	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9763	0.9031	0.7207	Normal Distribution

Combined Proportion Normal Summary

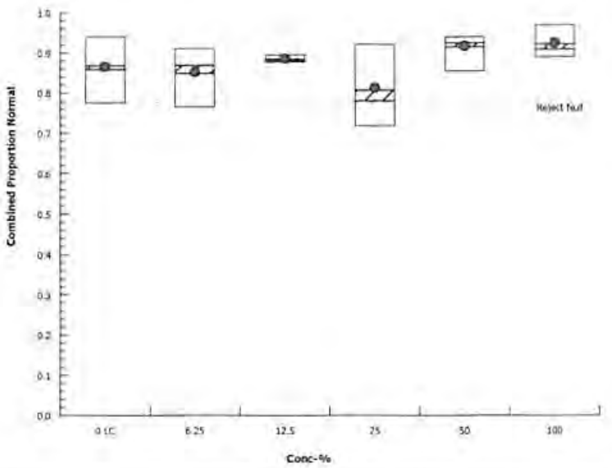
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	0.8589	0.7704	0.9474	0.8682	0.7752	0.9419	0.0319	8.30%	0.00%
6.25		5	0.8481	0.7748	0.9213	0.8682	0.7636	0.9109	0.0264	6.96%	1.26%
12.5		5	0.8845	0.8720	0.8970	0.8798	0.8760	0.8953	0.0045	1.13%	-2.98%
25		5	0.8059	0.7102	0.9016	0.7791	0.7171	0.9209	0.0345	9.56%	6.17%
50		5	0.9131	0.8695	0.9568	0.9225	0.8527	0.9385	0.0157	3.85%	-6.31%
100		5	0.9197	0.8781	0.9614	0.9070	0.8876	0.9669	0.0150	3.65%	-7.08%

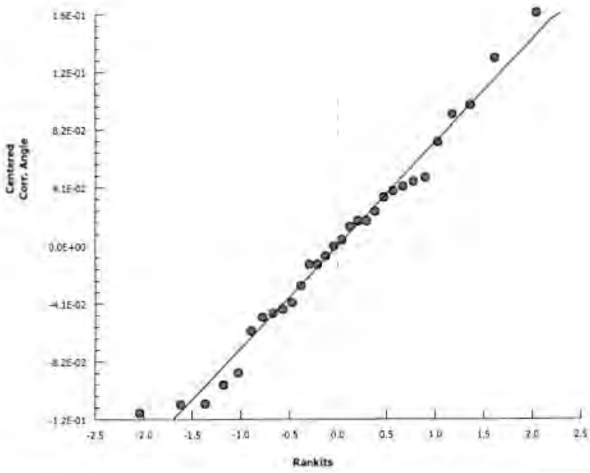
Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	1.195	1.064	1.327	1.199	1.077	1.327	0.04734	8.86%	0.00%
6.25		5	1.176	1.074	1.277	1.199	1.063	1.268	0.03641	6.93%	1.65%
12.5		5	1.224	1.205	1.244	1.217	1.211	1.241	0.007064	1.29%	-2.43%
25		5	1.122	0.9914	1.252	1.081	1.01	1.286	0.04698	9.36%	6.14%
50		5	1.275	1.203	1.348	1.289	1.177	1.32	0.02606	4.57%	-6.71%
100		5	1.289	1.206	1.372	1.261	1.229	1.388	0.02993	5.19%	-7.87%

Bivalve Larval Survival and Development Test					**Wood E&IS**
Analysis ID:	12-3020-7028	**Endpoint:**	Combined Proportion Normal	**CETIS Version:**	CETISv1.9.3
Analyzed:	29 Sep-22 17:52	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes

Graphics





Bivalve Larval Survival and Development Test — Wood E&IS

Analysis ID:	07-6420-5929	**Endpoint:**	Combined Proportion Normal	**CETIS Version:**	CETISv1.9.3
Analyzed:	29 Sep-22 17:53	**Analysis:**	Parametric Bioequivalence-Two Sample	**Official Results:**	Yes

Data Transform	Alt Hyp	TST_b	Comparison Result
Angular (Corrected)	C*b < T	0.75	100% passed combined proportion normal

TST-Welch's t Test

Control	vs	Control II	Test Stat	Critical	DF	P-Type	P-Value	Decision(α:5%)
Lab Control		100*	8.46	1.895	7	CDF	3.2E-05	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0220999	0.0220999	1	2.819	0.1317	Non-Significant Effect
Error	0.0627274	0.0078409	8			
Total	0.0848273		9			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	2.502	23.15	0.3961	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9651	0.7411	0.8422	Normal Distribution

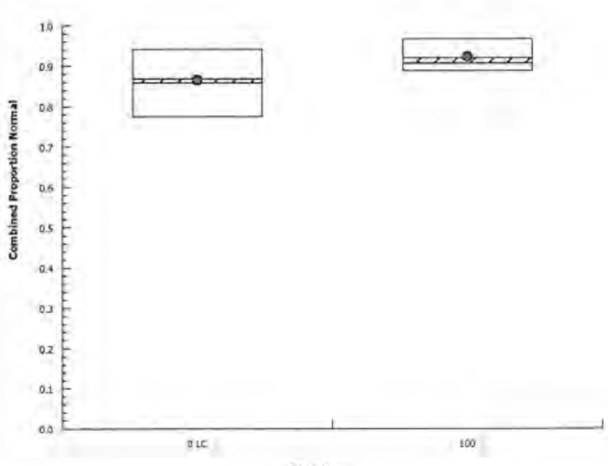
Combined Proportion Normal Summary

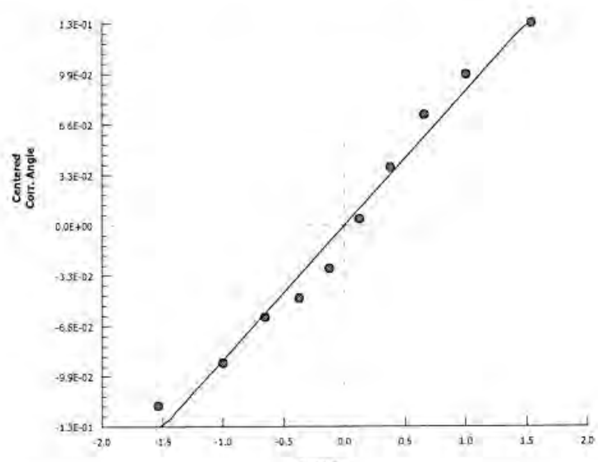
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	0.8589	0.7704	0.9474	0.8682	0.7752	0.9419	0.0319	8.30%	0.00%
100		5	0.9197	0.8781	0.9614	0.9070	0.8876	0.9669	0.0150	3.65%	-7.08%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	1.195	1.064	1.327	1.199	1.077	1.327	0.04734	8.86%	0.00%
100		5	1.289	1.206	1.372	1.261	1.229	1.388	0.02993	5.19%	-7.87%

Graphics





Bivalve Larval Survival and Development Test Filtered | **Wood E&IS**

Analysis ID:	17-5543-6595	**Endpoint:**	Combined Proportion Normal	**CETIS Version:**	CETISv1.9.3
Analyzed:	29 Sep-22 17:53	**Analysis:**	Parametric Bioequivalence-Two Sample	**Official Results:**	Yes

Data Transform	Alt Hyp	TST_b	Comparison Result
Angular (Corrected)	C*b < T	0.75	101% passed combined proportion normal

TST-Welch's t Test

Control vs	Control II	Test Stat	Critical	DF	P-Type	P-Value	Decision(α:5%)
Filter Control	101*	4.617	2.132	4	CDF	0.0049	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0025184	0.0025184	1	0.2542	0.6277	Non-Significant Effect
Error	0.0792673	0.0099084	8			
Total	0.0817857		9			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	4.502	23.15	0.1742	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9426	0.7411	0.5826	Normal Distribution

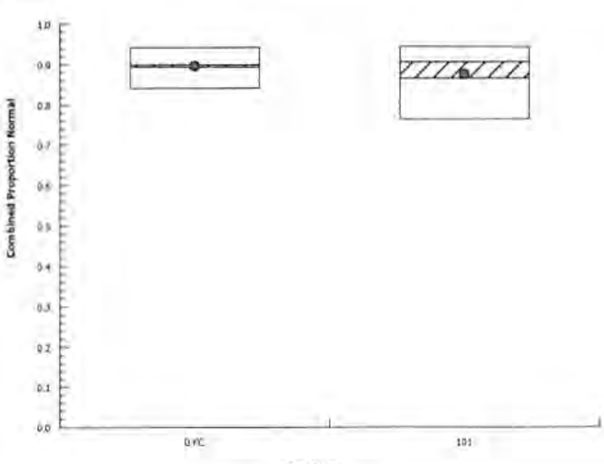
Combined Proportion Normal Summary

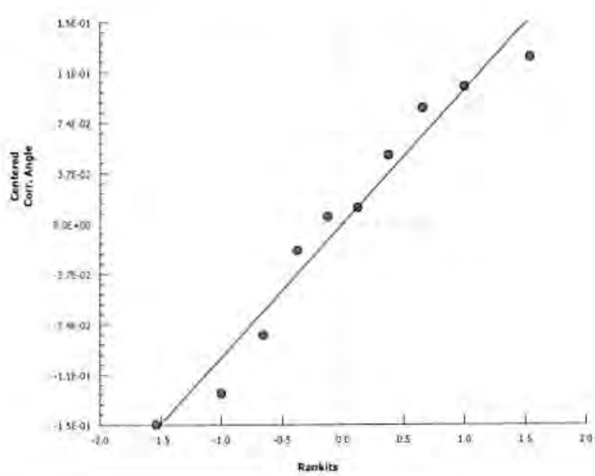
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	FC	5	0.8938	0.8486	0.9390	0.8992	0.8411	0.9418	0.0163	4.07%	0.00%
101		5	0.8664	0.7591	0.9737	0.9070	0.7636	0.9444	0.0386	9.97%	3.06%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	FC	5	1.243	1.168	1.317	1.248	1.161	1.327	0.02684	4.83%	0.00%
101		5	1.211	1.053	1.369	1.261	1.063	1.333	0.05695	10.52%	2.55%

Graphics





Bivalve Larval Survival and Development Test — **Wood E&IS**

Analysis ID:	12-0248-4829	**Endpoint:**	Proportion Normal	**CETIS Version:**	CETISv1.9.3
Analyzed:	29 Sep-22 17:52	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	2.80%

Dunnett Multiple Comparison Test

Control vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Control	6.25	-0.7711	2.362	0.052	8	CDF	0.9692	Non-Significant Effect
	12.5	-0.4973	2.362	0.052	8	CDF	0.9397	Non-Significant Effect
	25	0.641	2.362	0.052	8	CDF	0.5840	Non-Significant Effect
	50	0.1842	2.362	0.052	8	CDF	0.7732	Non-Significant Effect
	100	-0.9724	2.362	0.052	8	CDF	0.9820	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0046505	0.0009301	5	0.7593	0.5879	Non-Significant Effect
Error	0.029399	0.001225	24			
Total	0.0340495		29			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	2.78	15.09	0.7338	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9564	0.9031	0.2507	Normal Distribution

Proportion Normal Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	0.9414	0.9272	0.9556	0.9412	0.9259	0.9581	0.0051	1.21%	0.00%
6.25		5	0.9492	0.9375	0.9609	0.9500	0.9400	0.9633	0.0042	0.99%	-0.83%
12.5		5	0.9455	0.9226	0.9684	0.9417	0.9300	0.9747	0.0083	1.95%	-0.43%
25		5	0.9342	0.9144	0.9541	0.9259	0.9209	0.9600	0.0071	1.71%	0.77%
50		5	0.9391	0.9187	0.9595	0.9385	0.9151	0.9607	0.0073	1.75%	0.25%
100		5	0.9501	0.9269	0.9734	0.9467	0.9249	0.9703	0.0084	1.97%	-0.93%

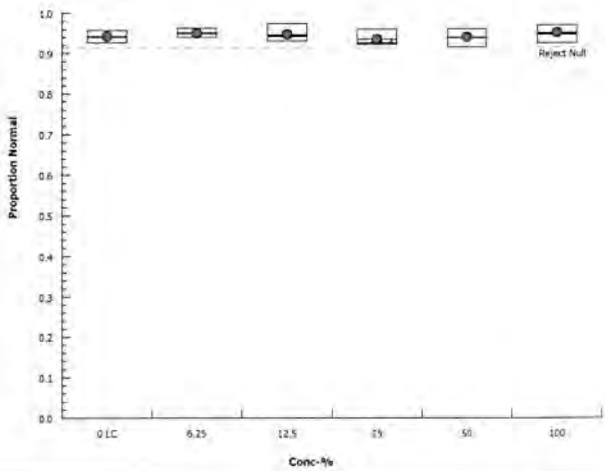
Angular (Corrected) Transformed Summary

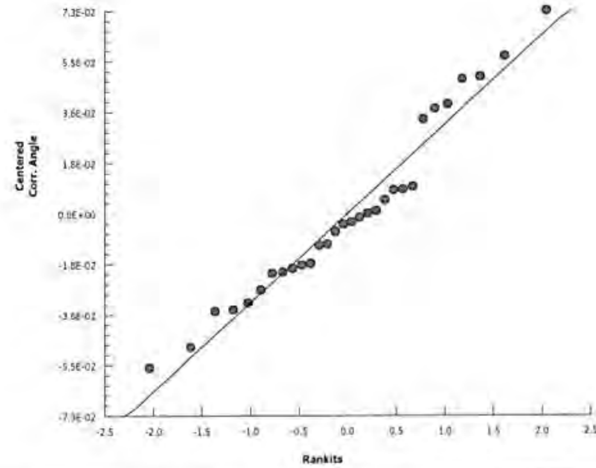
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	1.327	1.297	1.358	1.326	1.295	1.365	0.01108	1.87%	0.00%
6.25		5	1.344	1.317	1.372	1.345	1.323	1.378	0.009861	1.64%	-1.29%
12.5		5	1.338	1.283	1.394	1.327	1.303	1.411	0.01991	3.33%	-0.83%
25		5	1.313	1.27	1.356	1.295	1.286	1.369	0.01535	2.61%	1.07%
50		5	1.323	1.28	1.366	1.32	1.275	1.371	0.01544	2.61%	0.31%
100		5	1.349	1.295	1.403	1.338	1.293	1.398	0.01948	3.23%	-1.62%

Bivalve Larval Survival and Development Test — Wood E&IS

Analysis ID:	12-0248-4829	**Endpoint:**	Proportion Normal	**CETIS Version:**	CETISv1.9.3
Analyzed:	29 Sep-22 17:52	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes

Graphics





Bivalve Larval Survival and Development Test — Wood E&IS

Analysis ID:	13-6665-9301	**Endpoint:**	Survival Rate	**CETIS Version:**	CETISv1.9.3
Analyzed:	29 Sep-22 17:52	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	12.38%

Dunnett Multiple Comparison Test

Control vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Control	6.25	0.6303	2.362	0.199	8	CDF	0.5888	Non-Significant Effect
	12.5	-0.1123	2.362	0.199	8	CDF	0.8644	Non-Significant Effect
	25	0.9623	2.362	0.199	8	CDF	0.4368	Non-Significant Effect
	50	-1.75	2.362	0.199	8	CDF	0.9983	Non-Significant Effect
	100	-1.406	2.362	0.199	8	CDF	0.9950	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.210001	0.0420001	5	2.363	0.0705	Non-Significant Effect
Error	0.426667	0.0177778	24			
Total	0.636668		29			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	11.03	15.09	0.0508	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9712	0.9031	0.5718	Normal Distribution

Survival Rate Summary

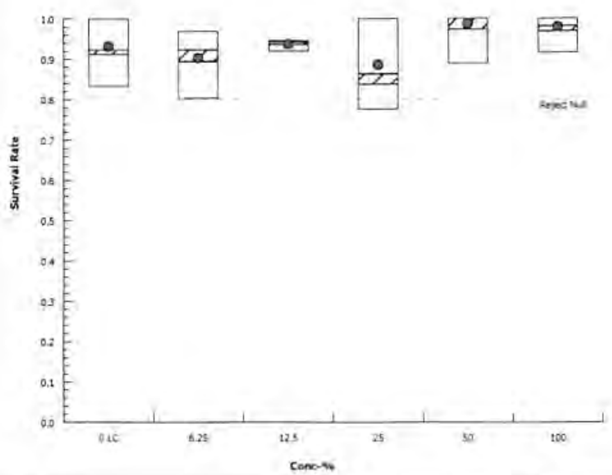
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	0.9124	0.8185	1.0000	0.9225	0.8333	1.0000	0.0338	8.29%	0.00%
6.25		5	0.8938	0.8092	0.9784	0.9225	0.8023	0.9690	0.0305	7.62%	2.04%
12.5		5	0.9357	0.9218	0.9495	0.9419	0.9186	0.9457	0.0050	1.19%	-2.55%
25		5	0.8628	0.7583	0.9673	0.8372	0.7752	1.0000	0.0377	9.76%	5.44%
50		5	0.9729	0.9124	1.0000	1.0000	0.8876	1.0000	0.0218	5.01%	-6.63%
100		5	0.9682	0.9220	1.0000	0.9806	0.9147	1.0000	0.0166	3.84%	-6.12%

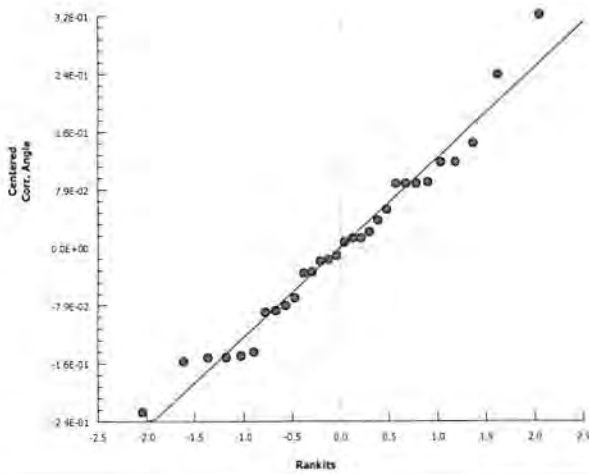
Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	1.306	1.1	1.511	1.289	1.15	1.54	0.074	12.67%	0.00%
6.25		5	1.252	1.111	1.393	1.289	1.11	1.394	0.0508	9.07%	4.07%
12.5		5	1.315	1.287	1.343	1.327	1.281	1.336	0.009964	1.69%	-0.73%
25		5	1.224	0.9984	1.45	1.155	1.077	1.54	0.08142	14.87%	6.22%
50		5	1.453	1.284	1.622	1.54	1.229	1.54	0.06083	9.36%	-11.30%
100		5	1.424	1.276	1.572	1.431	1.274	1.54	0.05337	8.38%	-9.08%

Bivalve Larval Survival and Development Test					Wood E&IS
Analysis ID: 13-6665-9301	**Endpoint:**	Survival Rate	**CETIS Version:**	CETISv1.9.3	
Analyzed: 29 Sep-22 17:52	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes	

Graphics





CETIS Summary Report

Report Date: 27 Oct-22 09:30 (p 1 of 1)
Test Code/ID: 22-08-029 / 16-4354-9510

Bivalve Larval Survival and Development Test — **Wood E&IS**

Batch ID:	05-0085-2873	**Test Type:**	Development-Survival	**Analyst:**	
Start Date:	17 Aug-22 15:45	**Protocol:**	EPA/600/R-95/136 (1995)	**Diluent:**	Natural Seawater
Ending Date:	19 Aug-22 14:00	**Species:**	Mytilis galloprovincialis	**Brine:**	Not Applicable
Test Length:	46h	**Taxon:**		**Source:**	Field Collected **Age:**

Sample ID:	11-1236-1361	**Code:**	22-W176	**Project:**	SIYB TMDL Monitoring
Sample Date:	16 Aug-22 09:55	**Material:**	Seawater	**Source:**	Shelter Island Yacht Basin
Receipt Date:	16 Aug-22 15:10	**CAS (PC):**		**Station:**	SIYB REF
Sample Age:	30h (4.3 °C)	**Client:**	Wood Environment and Infrastructure Soluti		

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	✓	NOEL	LOEL	TOEL	PMSD	TU	S
02-8585-0892	Proportion Normal	Steel Many-One Rank Sum Test		101	>101	---	---	1	1

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits Lower	TAC Limits Upper	Overlap	Decision
02-8585-0892	Proportion Normal	Control Resp	0	0.9	<<	Yes	Below Criteria

Proportion Normal Summary % curved hinges

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	---	---
0	FC	5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	---	---
6.25		5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	---	---
12.5		5	0.0008	-0.0015	0.0031	0.0000	0.0041	0.0008	0.0018	223.61%	---
25		5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	---	---
50		5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	---	---
100		5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	---	---
101		5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	---	---

Proportion Normal Detail — MD5: CB04D11764FCD911D5C1C35D40B6F91F

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	LC	0.0000	0.0000	0.0000	0.0000	0.0000
0	FC	0.0000	0.0000	0.0000	0.0000	0.0000
6.25		0.0000	0.0000	0.0000	0.0000	0.0000
12.5		0.0000	0.0000	0.0041	0.0000	0.0000
25		0.0000	0.0000	0.0000	0.0000	0.0000
50		0.0000	0.0000	0.0000	0.0000	0.0000
100		0.0000	0.0000	0.0000	0.0000	0.0000
101		0.0000	0.0000	0.0000	0.0000	0.0000

CETIS Test Data Worksheet

Report Date: 15 Aug-22 11:07 (p 1 of 2)
Test Code/ID: ~~16-4354-9510/61F69346~~ 22-08-029

Bivalve Larval Survival and Development Test | Wood E&IS

Start Date:	17 Aug-22 1545	Species:	Mytilis galloprovincialis	Sample Code:	~~424D4991~~ 22-W176
End Date:	19 Aug-22 1400	Protocol:	EPA/600/R-95/136 (1995)	Sample Source:	Shelter Island Yacht Basin
Sample Date:	16 Aug-22 0955	Material:	Seawater	Sample Station:	SIYB REF

Conc-%	Code	Rep	Pos	Initial Density	Final Density	# Counted	# Normal	Notes
			231			238	224	BI 8/31/22
			232			243	231	
			233			244	227	1 Curved
			234			225	216	
			235			272	263	
			236			237	231	
			237			216	200	
			238			236	229	
			239			209	202	
			240			269	252	
			241			275	259	
			242			232	217	
			243			250	235	
			244			218	210	
			245			243	226	
			246			200	185	
			247			250	234	
			248			207	197	
			249			270	255	
			250			215	206	
			251			253	234	
			252			214	201	
			253			240	226	
			254			240	228	
			255			278	256	
			256			244	228	
			257			238	224	9/1/22
			258			252	238	
			259			258	243	
			260			260	244	
			261			216	197	
			262			253	233	
			263			229	220	
			264			258	243	

CETIS Test Data Worksheet

Report Date: 15 Aug-22 11:07 (p 2 of 2)
Test Code/ID: AG ~~16-4354-9510/61F69346~~ ~~AG 22-WQ~~ 22-08-029

Conc-%	Code	Rep	Pos	Initial Density	Final Density	# Counted (A) ~~500~~	# Normal (A)	Notes
			265			BI ~~242~~	~~226~~ 469 BI 9/1/22	Counted twice
			266			~~457~~ 216	200	
			267			259	237	
			268			246	232	
			269			244	231	
			270			255	241	

(A) halved proportion after double innoculation 235/~~50~~ 250 AG

002-883-387-8 CETIS™ v1.9.3.0 Analyst: BI QA: AG

CETIS Test Data Worksheet

Bivalve Larval Survival and Development Test — **Wood E&IS**

Start Date:	17 Aug-22	**Species:**	Mytilis galloprovincialis	**Sample Code:**	424D4991
End Date:	19 Aug-22	**Protocol:**	EPA/600/R-95/136 (1995)	**Sample Source:**	Shelter Island Yacht Basin
Sample Date:	16 Aug-22	**Material:**	Seawater	**Sample Station:**	SIYB REF

Conc-%	Code	Rep	Pos	Initial Density	Final Density	# Counted	# Normal	Notes
0	FC	1	262					
0	FC	2	268					
0	FC	3	241					
0	FC	4	242					
0	FC	5	256					
0	LC	1	264					
0	LC	2	250					
0	LC	3	257					
0	LC	4	265					
0	LC	5	266					
6.25		1	248					
6.25		2	243					
6.25		3	254					
6.25		4	231					
6.25		5	244					
12.5		1	253					
12.5		2	236					
12.5		3	233					
12.5		4	245					
12.5		5	232					
25		1	234					
25		2	246					
25		3	237					
25		4	255					
25		5	252					
50		1	267					
50		2	263					
50		3	240					
50		4	260					
50		5	258					
100		1	238					
100		2	235					
100		3	251					
100		4	269					

Analyst: AG QA: BSS

Conc-%	Code	Rep	Pos	Initial Density	Final Density	# Counted	# Normal	Notes
100		5	259					
101		1	270					
101		2	261					
101		3	247					
101		4	249					
101		5	239					

QC: NT

Water Quality for Bivalve Development

Client: Wood - Port of San Diego
Sample ID: SIYB-REF-1
Test No. 22-08-029

Test Species: *M. galloprovincialis*
Start Date/Time: 8/17/2022 1545
End Date/Time: 8/19/2022 1400

Test Conc. (%)	Water Quality Measurements			
	Parameter	0hr	24hr	48hr
Lab Control	Temp. (°C)	15.4	15.8	15.0
	Salinity (ppt)	33.9	33.8	34.0
	pH (units)	7.94	7.77	7.81
	DO (mg/L)	8.2	8.4	8.5
Filter Control	Temp. (°C)	15.4	15.8	14.9
	Salinity (ppt)	33.6	33.6	34.1
	pH (units)	7.95	7.73	7.83
	DO (mg/L)	7.7	8.4	8.5
6.25	Temp. (°C)	15.3	15.6	14.9
	Salinity (ppt)	34.0	33.9	34.3
	pH (units)	7.92	7.77	7.83
	DO (mg/L)	8.3	8.5	8.5
12.5	Temp. (°C)	15.4	15.5	14.9
	Salinity (ppt)	34.0	34.1	34.3
	pH (units)	7.91	7.76	7.83
	DO (mg/L)	8.4	8.5	8.5
25	Temp. (°C)	15.4	15.6	14.9
	Salinity (ppt)	34.0	34.0	34.4
	pH (units)	7.91	7.76	7.83
	DO (mg/L)	8.4	8.2	8.6
50	Temp. (°C)	15.3	15.7	14.8
	Salinity (ppt)	34.1	33.9	34.4
	pH (units)	7.89	7.76	7.84
	DO (mg/L)	8.4	8.3	8.5
100	Temp. (°C)	15.3	15.7	14.9
	Salinity (ppt)	34.3	34.3	34.6
	pH (units)	7.88	7.76	7.83
	DO (mg/L)	8.6	8.4	8.5
100 Filtered (1.2µm)	Temp. (°C)	15.5	15.8	14.9
	Salinity (ppt)	33.9	34.0	34.3
	pH (units)	7.89	7.76	7.83
	DO (mg/L)	8.3	8.5	8.5
	Tech Initials:	TO	JF	MS

Source of Animals: SIO Holding Facility

Date Received: 5/16/22

Comments:

APPENDIX B

Acute Topsmelt Test

Raw Data & Statistical Analyses

Site: SIYB-1

CETIS Summary Report

Pacific Topsmelt 96-h Acute Survival Test					Wood E&IS
Batch ID:	04-0697-5884	**Test Type:**	Survival (96h)	**Analyst:**	
Start Date:	17 Aug-22 13:46	**Protocol:**	EPA/821/R-02-012 (2002)	**Diluent:**	Natural Seawater
Ending Date:	21 Aug-22 12:00	**Species:**	Atherinops affinis	**Brine:**	Not Applicable
Duration:	94h	**Source:**	Aquatic Biosystems, CO	**Age:**	10 d

Sample ID:	10-6000-8983	**Code:**	22-W177	**Client:**	Wood Environment and Infrastructure
Sample Date:	16 Aug-22 15:50	**Material:**	Ambient Sample	**Project:**	SIYB TMDL Monitoring
Receipt Date:	16 Aug-22 18:20	**Source:**	Shelter Island Yacht Basin		
Sample Age:	22h (14.4 °C)	**Station:**	SIYB 1		

Single Comparison Summary

Analysis ID	Endpoint	Comparison Method	P-Value	Comparison Result
05-9128-5326	96h Survival Rate	Equal Variance t Two-Sample Test	0.4905	100% passed 96h survival rate
15-4742-1159	96h Survival Rate	TST-Welch's t Test	0.0267	100% passed 96h survival rate

96h Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	6	0.8333	0.6270	1.0000	0.6000	1.0000	0.0803	0.1966	23.60%	0.00%
100		6	0.8333	0.6753	0.9913	0.6000	1.0000	0.0615	0.1506	18.07%	0.00%

96h Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6
0	LC	1.0000	0.6000	0.6000	0.8000	1.0000	1.0000
100		0.8000	1.0000	0.8000	0.8000	0.6000	1.0000

CETIS Analytical Report

Report Date: 08 Sep-22 11:02 (p 1 of 2)
Test Code: 22-08-009 | 16-0731-2717

Pacific Topsmelt 96-h Acute Survival Test — Wood E&IS

Analysis ID:	05-9128-5326	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.9.3
Analyzed:	08 Sep-22 11:02	**Analysis:**	Parametric-Two Sample	**Official Results:**	Yes

Data Transform	Alt Hyp	Comparison Result	PMSD
Angular (Corrected)	C > T	100% passed 96h survival rate	21.58%

Equal Variance t Two-Sample Test

Control	vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Control		100	0.02442	1.812	0.211	10	CDF	0.4905	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	2.426E-05	2.426E-05	1	0.0005962	0.9810	Non-Significant Effect
Error	0.406949	0.0406949	10			
Total	0.406973		11			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	1.687	14.94	0.5799	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.8074	0.8025	0.0114	Normal Distribution

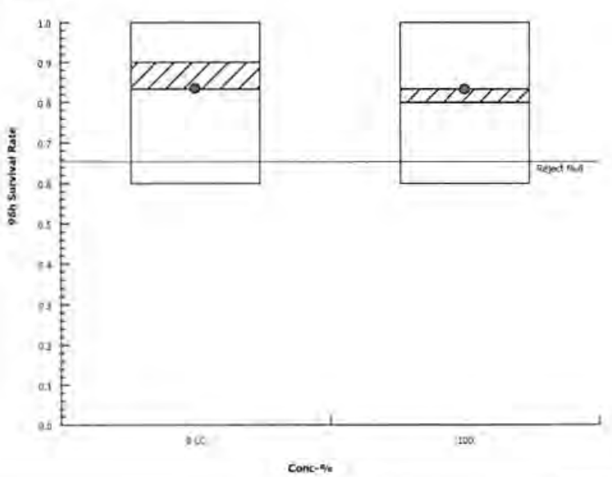
96h Survival Rate Summary

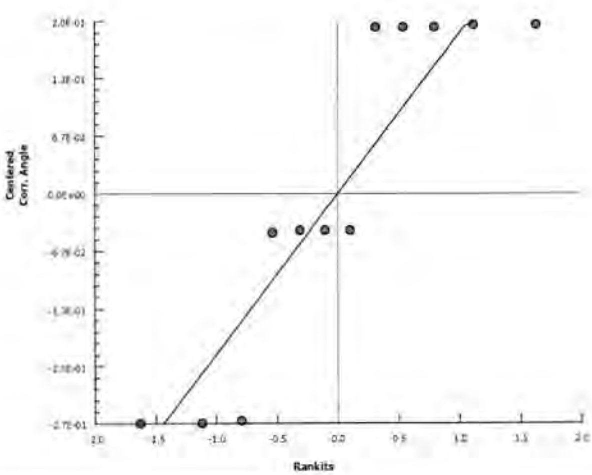
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	0.8333	0.6270	1.0000	0.9000	0.6000	1.0000	0.0803	23.60%	0.00%
100		6	0.8333	0.6753	0.9913	0.8000	0.6000	1.0000	0.0615	18.07%	0.00%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	1.153	0.9153	1.39	1.226	0.8861	1.345	0.09229	19.61%	0.00%
100		6	1.15	0.967	1.332	1.107	0.8861	1.345	0.07105	15.14%	0.25%

Graphics





CETIS Analytical Report

Pacific Topsmelt 96-h Acute Survival Test — **Wood E&IS**

Analysis ID:	15-4742-1159	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.9.3
Analyzed:	08 Sep-22 11:02	**Analysis:**	Parametric Bioequivalence-Two Sample	**Official Results:**	Yes

Data Transform	Alt Hyp	TST_b	Comparison Result
Angular (Corrected)	C*b < T	0.8	100% passed 96h survival rate

TST-Welch's t Test

Control	vs	Control II	Test Stat	Critical	DF	P-Type	P-Value	Decision(α:10%)
Lab Control		100*	2.222	1.383	9	CDF	0.0267	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	2.426E-05	2.426E-05	1	0.0005962	0.9810	Non-Significant Effect
Error	0.406949	0.0406949	10			
Total	0.406973		11			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	1.687	14.94	0.5799	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.8074	0.8025	0.0114	Normal Distribution

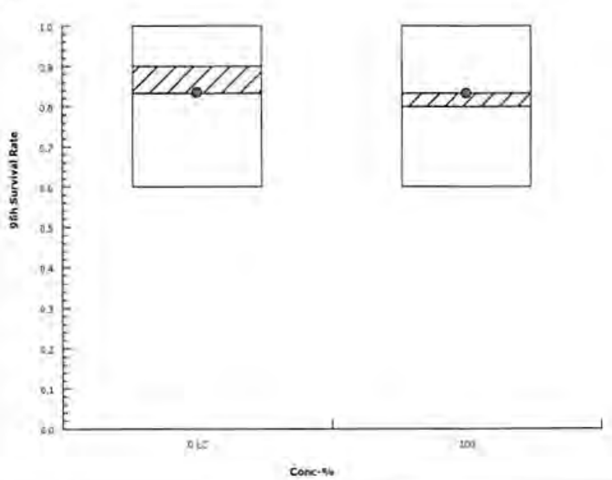
96h Survival Rate Summary

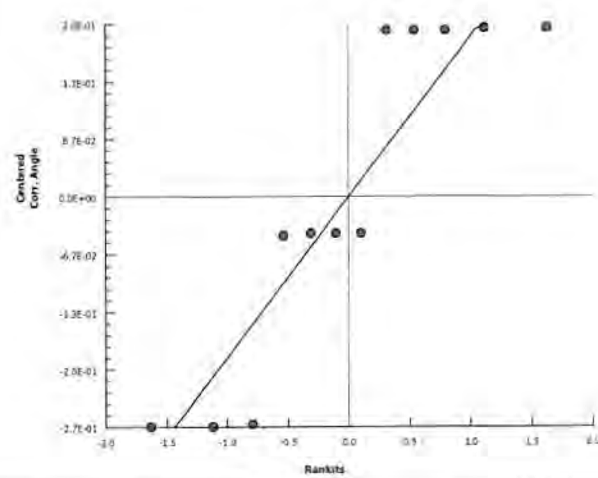
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	0.8333	0.6270	1.0000	0.9000	0.6000	1.0000	0.0803	23.60%	0.00%
100		6	0.8333	0.6753	0.9913	0.8000	0.6000	1.0000	0.0615	18.07%	0.00%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	1.153	0.9153	1.39	1.226	0.8861	1.345	0.09229	19.61%	0.00%
100		6	1.15	0.967	1.332	1.107	0.8861	1.345	0.07105	15.14%	0.25%

Graphics





Analyst: RV QA: RCS

96hr Marine Acute Test with 48hr Renewal

Client: Wood: POSD - Shelter Island Yacht Basin
Sample ID: SIYB-1
Test No. 22-08-009

Test Species: *Atherinops affinis* (topsmelt)
Start Date/Time: 8/17/22 1346
End Date/Time: 8/21/22 1200

Sample ID (%)	Rep	Counts 0	24	48	72	96	Parameter	WQ 0	24	48f	48i	72	96
LC #1	A	5	5	5	5	5	Temp. (°C)	21.5	21.4	20.9	21.2	20.9	21.1
	B	5	5	5	5	3	Salinity (ppt)	33.9	33.3	33.5	33.9	34.1	33.8
	C	5	5	5	5	3	pH (units)	7.88	7.60	7.82	7.89	7.81	7.70
	D	5	5	5	5	4	DO (mg/L)	7.2	6.1	6.3	7.2	6.4	6.3
	E	5	5	5	5	5							
	F	5	5	5	5	5							
100	A	5	5	5	5	4	Temp. (°C)	20.4	21.2	21.1	20.9	20.8	21.2
	B	5	5	5	5	5	Salinity (ppt)	34.1	34.0	34.1	34.1	34.2	34.3
	C	5	5	5	5	4	pH (units)	7.82	7.68	7.78	7.82	7.80	7.71
	D	5	5	5	5	4	DO (mg/L)	7.8	6.2	6.4	8.2	6.5	6.3
	E	5	5	5	5	3							
	F	5	5	5	5	5							
	A						Temp. (°C)						
	B						Salinity (ppt)						
	C						pH (units)						
	D						DO (mg/L)						
	E												
	F												
	A						Temp. (°C)						
	B						Salinity (ppt)						
	C						pH (units)						
	D						DO (mg/L)						
	E												
	F												
	A						Temp. (°C)						
	B						Salinity (ppt)						
	C						pH (units)						
	D						DO (mg/L)						
	E												
	F												
	Tech Initials:	RV	RV	JF	AO	SC	Tech Initials:	JF	RV	MS	MS	AG	RN

QC:SC
Date Animals Received: 8/16/22 ABS
Age of Animals at Test Start: 10d

Feedings	0	24	48	72	96
Initials (AM):	NS	JF	JF	AG	RV
Initials (PM):	↓				

Comments:

QC Check: RV 9/8/22

Final Review: RFS 10/10/22

Wood Environmental Toxicology Lab, 4905 Morena Blvd, Ste. 1304, San Diego, CA 92117

Site: SIYB-2

CETIS Summary Report

Report Date:	08 Sep-22 11:05 (p 1 of 1)
Test Code:	22-08-010 | 18-1486-2355

Pacific Topsmelt 96-h Acute Survival Test — **Wood E&IS**

Batch ID:	13-5382-9958	**Test Type:**	Survival (96h)	**Analyst:**	
Start Date:	17 Aug-22 13:46	**Protocol:**	EPA/821/R-02-012 (2002)	**Diluent:**	Natural Seawater
Ending Date:	21 Aug-22 12:00	**Species:**	Atherinops affinis	**Brine:**	Not Applicable
Duration:	94h	**Source:**	Aquatic Biosystems, CO	**Age:**	10 d

Sample ID:	04-3569-6833	**Code:**	22-W178	**Client:**	Wood Environment and Infrastructure
Sample Date:	16 Aug-22 15:00	**Material:**	Ambient Sample	**Project:**	SIYB TMDL Monitoring
Receipt Date:	16 Aug-22 18:20	**Source:**	Shelter Island Yacht Basin		
Sample Age:	23h (6.5 °C)	**Station:**	SIYB 2		

Single Comparison Summary

Analysis ID	Endpoint	Comparison Method	P-Value	Comparison Result
05-9052-7376	96h Survival Rate	Equal Variance t Two-Sample Test	0.0836	100% passed 96h survival rate
17-1179-1734	96h Survival Rate	TST-Welch's t Test	0.2128	100% failed 96h survival rate

96h Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	6	0.8333	0.6270	1.0000	0.6000	1.0000	0.0803	0.1966	23.60%	0.00%
100		6	0.7000	0.5850	0.8150	0.6000	0.8000	0.0447	0.1095	15.65%	16.00%

96h Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6
0	LC	1.0000	0.6000	0.6000	0.8000	1.0000	1.0000
100		0.6000	0.8000	0.6000	0.8000	0.6000	0.8000

Analyst: RV QA: BCS

CETIS Analytical Report

Report Date:	08 Sep-22 11:05 (p 1 of 2)
Test Code:	22-08-010 | 18-1486-2355

Pacific Topsmelt 96-h Acute Survival Test — **Wood E&IS**

Analysis ID:	05-9052-7376	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.9.3
Analyzed:	08 Sep-22 11:05	**Analysis:**	Parametric-Two Sample	**Official Results:**	Yes

Data Transform	Alt Hyp	Comparison Result	PMSD
Angular (Corrected)	C > T	100% passed 96h survival rate	19.16%

Equal Variance t Two-Sample Test

Control	vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Control		100	1.489	1.812	0.19	10	CDF	0.0836	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.072926	0.072926	1	2.218	0.1673	Non-Significant Effect
Error	0.328824	0.0328824	10			
Total	0.40175		11			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	3.485	14.94	0.1968	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.8722	0.8025	0.0696	Normal Distribution

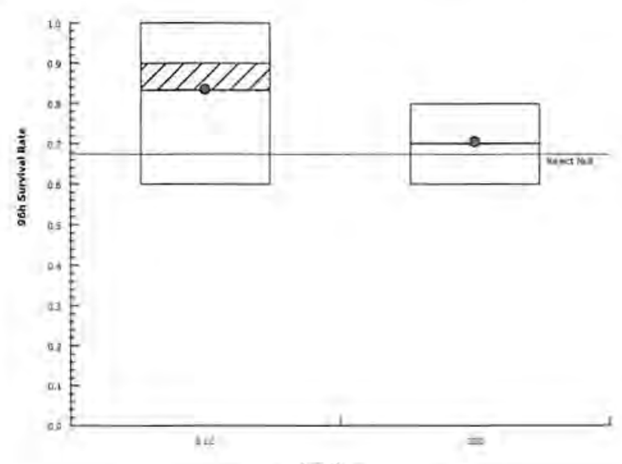
96h Survival Rate Summary

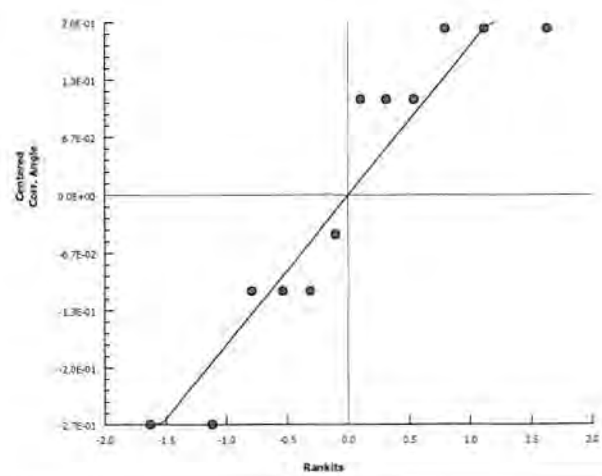
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	0.8333	0.6270	1.0000	0.9000	0.6000	1.0000	0.0803	23.60%	0.00%
100		6	0.7000	0.5850	0.8150	0.7000	0.6000	0.8000	0.0447	15.65%	16.00%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	1.153	0.9153	1.39	1.226	0.8861	1.345	0.09229	19.61%	0.00%
100		6	0.9966	0.8695	1.124	0.9966	0.8861	1.107	0.04943	12.15%	13.53%

Graphics





Pacific Topsmelt 96-h Acute Survival Test					Wood E&IS
Analysis ID: 17-1179-1734		**Endpoint:** 96h Survival Rate		**CETIS Version:** CETISv1.9.3	
Analyzed: 08 Sep-22 11:05		**Analysis:** Parametric Bioequivalence-Two Sample		**Official Results:** Yes	

Data Transform	Alt Hyp	TST_b	Comparison Result
Angular (Corrected)	C*b < T	0.8	100% failed 96h survival rate

TST-Welch's t Test

Control vs	Conc-%	Test Stat	Critical	DF	P-Type	P-Value	Decision(α:10%)
Lab Control	100	0.8395	1.397	8	CDF	0.2128	Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.072926	0.072926	1	2.218	0.1673	Non-Significant Effect
Error	0.328824	0.0328824	10			
Total	0.40175		11			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	3.485	14.94	0.1968	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.8722	0.8025	0.0696	Normal Distribution

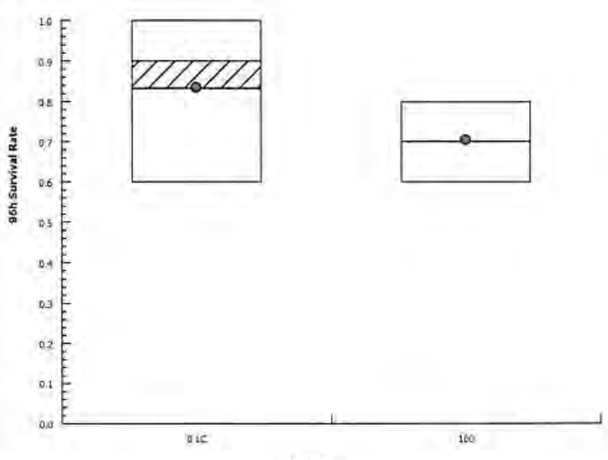
96h Survival Rate Summary

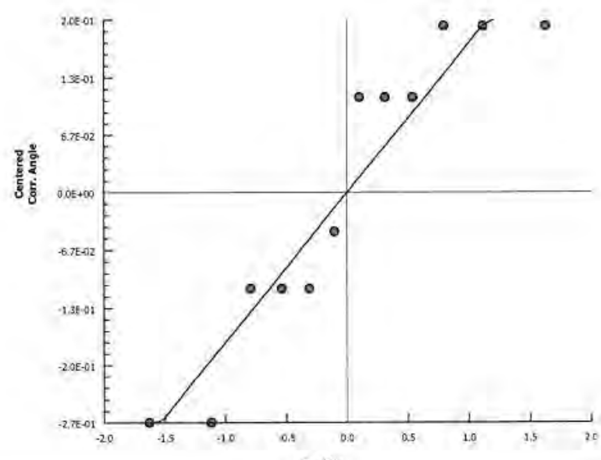
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	0.8333	0.6270	1.0000	0.9000	0.6000	1.0000	0.0803	23.60%	0.00%
100		6	0.7000	0.5850	0.8150	0.7000	0.6000	0.8000	0.0447	15.65%	16.00%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	1.153	0.9153	1.39	1.226	0.8861	1.345	0.09229	19.61%	0.00%
100		6	0.9966	0.8695	1.124	0.9966	0.8861	1.107	0.04943	12.15%	13.53%

Graphics





96hr Marine Acute Test with 48hr Renewal

Client: Wood: POSD - Shelter Island Yacht Basin
Sample ID: SIYB-2
Test No. 22-08-010

Test Species: *Atherinops affinis* (topsmelt)
Start Date/Time: 8/17/22 1346
End Date/Time: 8/21/22 1200

Sample ID (%)	Rep	Counts 0	24	48	72	96
LC #1	A	5	5	5	5	5
	B	5	5	5	5	3
	C	5	5	5	5	3
	D	5	5	5	5	4
	E	5	5	5	5	5
	F	5	5	5	5	5
100	A	5	5	5	5	3
	B	5	5	5	5	4
	C	5	5	5	5	3
	D	5	5	5	5	4
	E	5	5	5	5	~~SC~~ 3
	F	5	5	5	5	4
	A					
	B					
	C					
	D					
	E					
	F					
	A					
	B					
	C					
	D					
	E					
	F					
	A					
	B					
	C					
	D					
	E					
	F					
	Tech Initials:	RV	RV	JF	AB	SC

Water Quality Parameter	0	24	48f	48i	72	96
Temp. (°C)	21.5	21.4	20.9	21.2	21.0	21.1
Salinity (ppt)	33.9	33.3	33.5	33.9	34.1	33.8
pH (units)	7.88	7.66	7.82	7.89	7.78	7.70
DO (mg/L)	7.2	6.1	6.3	7.2	6.4	6.3
Temp. (°C)	20.0	21.3	21.1	21.0	20.9	21.3
Salinity (ppt)	34.0	34.1	34.1	34.3	34.5	34.2
pH (units)	7.83	7.68	7.77	7.77	7.79	7.73
DO (mg/L)	8.1	6.4	6.5	8.4	6.7	6.2
Temp. (°C)						
Salinity (ppt)						
pH (units)						
DO (mg/L)						
Temp. (°C)						
Salinity (ppt)						
pH (units)						
DO (mg/L)						
Temp. (°C)						
Salinity (ppt)						
pH (units)						
DO (mg/L)						
Tech Initials:	JF	RV	MS/TD	MS/TD	AB	RN

QC: SC
Date Animals Received: 8/16/22 ABS
Age of Animals at Test Start: 10d

Feedings	0	24	48	72	96
Initials (AM):	NT	JF	JF	AB	RN
Initials (PM):					

Comments:

QC Check: RV 9/8/22

Final Review: BS 10/10/22

Wood Environmental Toxicology Lab, 4905 Morena Blvd, Ste. 1304, San Diego, CA 92117

Site: SIYB-3

CETIS Summary Report

Report Date: 08 Sep-22 11:12 (p 1 of 1)
Test Code: 22-08-011 | 13-4601-2260

Pacific Topsmelt 96-h Acute Survival Test — Wood E&IS

Batch ID:	12-6219-0556	**Test Type:**	Survival (96h)	**Analyst:**	
Start Date:	17 Aug-22 13:59	**Protocol:**	EPA/821/R-02-012 (2002)	**Diluent:**	Natural Seawater
Ending Date:	21 Aug-22 12:00	**Species:**	Atherinops affinis	**Brine:**	Not Applicable
Duration:	94h	**Source:**	Aquatic Biosystems, CO	**Age:**	10 d

Sample ID:	17-9226-5325	**Code:**	22-W179	**Client:**	Wood Environment and Infrastructure
Sample Date:	16 Aug-22 14:15	**Material:**	Ambient Sample	**Project:**	SIYB TMDL Monitoring
Receipt Date:	16 Aug-22 18:20	**Source:**	Shelter Island Yacht Basin		
Sample Age:	24h (5.7 °C)	**Station:**	SIYB 3		

Single Comparison Summary

Analysis ID	Endpoint	Comparison Method	P-Value	Comparison Result
15-5004-3326	96h Survival Rate	Equal Variance t Two-Sample Test	0.3386	100% passed 96h survival rate
01-9853-0608	96h Survival Rate	TST-Welch's t Test	0.0229	100% passed 96h survival rate

96h Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	6	0.8333	0.6753	0.9913	0.6000	1.0000	0.0615	0.1506	18.07%	0.00%
100		6	0.8000	0.6673	0.9327	0.6000	1.0000	0.0516	0.1265	15.81%	4.00%

96h Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6
0	LC	0.8000	0.6000	1.0000	0.8000	0.8000	1.0000
100		1.0000	0.8000	0.8000	0.8000	0.6000	0.8000

Analyst: RN QA: BO

Pacific Topsmelt 96-h Acute Survival Test — Wood E&IS

Analysis ID:	01-9853-0608	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.9.3
Analyzed:	08 Sep-22 11:12	**Analysis:**	Parametric Bioequivalence-Two Sample	**Official Results:**	Yes

Data Transform	Alt Hyp	TST_b	Comparison Result
Angular (Corrected)	C*b < T	0.8	100% passed 96h survival rate

TST-Welch's t Test

Control	vs	Control II	Test Stat	Critical	DF	P-Type	P-Value	Decision(α:10%)
Lab Control		100*	2.316	1.383	9	CDF	0.0229	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0047257	0.0047257	1	0.1839	0.6771	Non-Significant Effect
Error	0.256966	0.0256966	10			
Total	0.261692		11			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	1.435	14.94	0.7016	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.8909	0.8025	0.1209	Normal Distribution

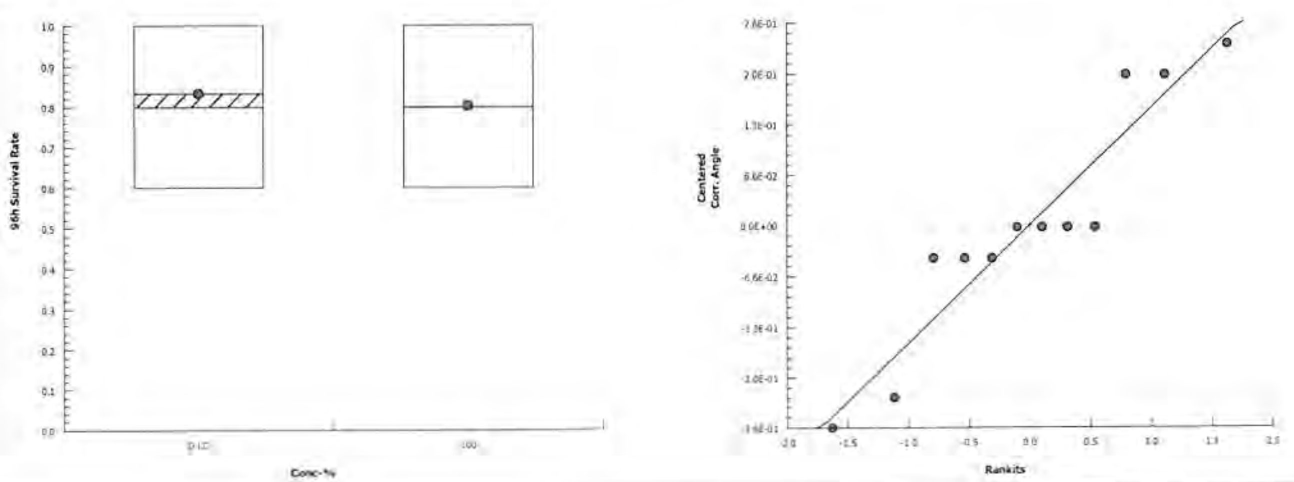
96h Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	0.8333	0.6753	0.9913	0.8000	0.6000	1.0000	0.0615	18.07%	0.00%
100		6	0.8000	0.6673	0.9327	0.8000	0.6000	1.0000	0.0516	15.81%	4.00%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	1.15	0.967	1.332	1.107	0.8861	1.345	0.07105	15.14%	0.00%
100		6	1.11	0.9575	1.262	1.107	0.8861	1.345	0.05931	13.09%	3.45%

Graphics



CETIS Analytical Report

Report Date: 08 Sep-22 11:12 (p 2 of 2)
Test Code: 22-08-011 | 13-4601-2260

Pacific Topsmelt 96-h Acute Survival Test — **Wood E&IS**

Analysis ID:	15-5004-3326	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.9.3
Analyzed:	08 Sep-22 11:12	**Analysis:**	Parametric-Two Sample	**Official Results:**	Yes

Data Transform	Alt Hyp	Comparison Result	PMSD
Angular (Corrected)	C > T	100% passed 96h survival rate	17.02%

Equal Variance t Two-Sample Test

Control	vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Control		100	0.4288	1.812	0.168	10	CDF	0.3386	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0047257	0.0047257	1	0.1839	0.6771	Non-Significant Effect
Error	0.256966	0.0256966	10			
Total	0.261692		11			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	1.435	14.94	0.7016	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.8909	0.8025	0.1209	Normal Distribution

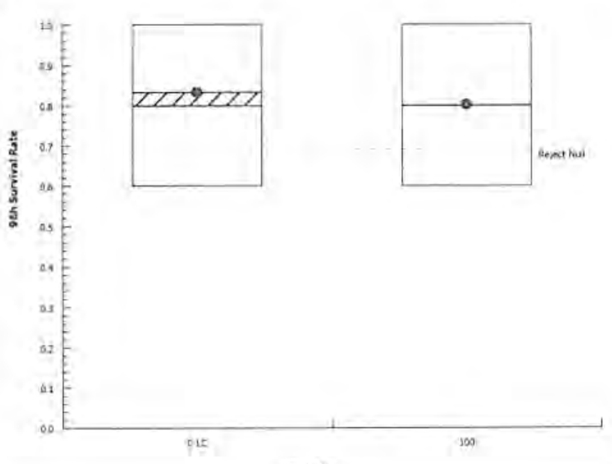
96h Survival Rate Summary

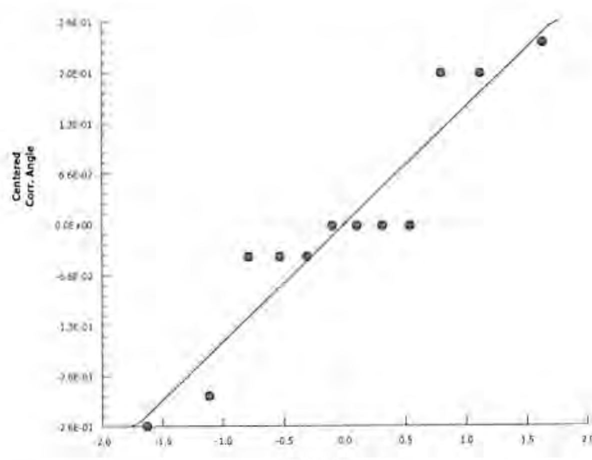
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	0.8333	0.6753	0.9913	0.8000	0.6000	1.0000	0.0615	18.07%	0.00%
100		6	0.8000	0.6673	0.9327	0.8000	0.6000	1.0000	0.0516	15.81%	4.00%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	1.15	0.967	1.332	1.107	0.8861	1.345	0.07105	15.14%	0.00%
100		6	1.11	0.9575	1.262	1.107	0.8861	1.345	0.05931	13.09%	3.45%

Graphics





Analyst: RV QA: BCS

96hr Marine Acute Test with 48hr Renewal

Client: Wood: POSD - Shelter Island Yacht Basin
Sample ID: SIYB-3
Test No. 22-08-011

Test Species: *Atherinops affinis* (topsmelt)
Start Date/Time: 8/17/22 1359
End Date/Time: 8/21/22 1200

Sample ID (%)	Rep	Counts 0	24	48	72	96
LC #2	A	5	5	5	5	4
	B	5	5	5	5	3
	C	5	5	5	5	5
	D	5	5	5	5	4
	E	5	5	5	5	4
	F	5	5	5	5	5
100	A	5	5	5	5	5
	B	5	5	~~5~~ 4 JF	4	4
	C	5	5	5	5	4
	D	5	5	5	5	4
	E	5	5	~~5~~ 4 JF	4	3
	F	5	5	5	5	4
	A					
	B					
	C					
	D					
	E					
	F					
	A					
	B					
	C					
	D					
	E					
	F					
	A					
	B					
	C					
	D					
	E					
	F					
Tech Initials:		RV	RV	JF	AG	SL

QC: SC

Water Quality Parameter	0	24	48f	48i	72	96
Temp. (°C)	21.5	21.5	21.2	21.2	20.9	21.3
Salinity (ppt)	33.9	33.4	33.4	33.9	34.2	33.7
pH (units)	7.88	7.66	7.78	7.89	7.77	7.74
DO (mg/L)	7.2	6.2	6.3	7.2	6.5	6.3
Temp. (°C)	21.3	21.3	~~21.5~~ RV 21.2	20.7	20.8	21.2
Salinity (ppt)	34.1	34.0	~~34.0~~ RV 34.1	34.2	34.4	34.4
pH (units)	7.84	7.67	~~7.64~~ RV 7.89	7.80	7.79	7.75
DO (mg/L)	8.0	6.4	~~6.2~~ RV 6.6	8.5	6.4	6.3
Temp. (°C)						
Salinity (ppt)						
pH (units)						
DO (mg/L)						
Temp. (°C)						
Salinity (ppt)						
pH (units)						
DO (mg/L)						
Temp. (°C)						
Salinity (ppt)						
pH (units)						
DO (mg/L)						
Tech Initials:	JF	RV	MS/TD	MS/TD	AG	RV

Date Animals Received: 8/16/22 ABS
Age of Animals at Test Start: 10d

Feedings	0	24	48	72	96
Initials (AM):	NJ	JF	JF	AG	RV
Initials (PM):					

Comments:

QC Check: RV 9/8/22

Final Review: BS 10/10/22

Wood Environmental Toxicology Lab, 4905 Morena Blvd, Ste. 1304, San Diego, CA 92117

Site: SIYB-4

CETIS Summary Report

Pacific Topsmelt 96-h Acute Survival Test — **Wood E&IS**

Batch ID:	21-3203-9697	**Test Type:**	Survival (96h)	**Analyst:**	
Start Date:	17 Aug-22 13:59	**Protocol:**	EPA/821/R-02-012 (2002)	**Diluent:**	Natural Seawater
Ending Date:	21 Aug-22 12:00	**Species:**	Atherinops affinis	**Brine:**	Not Applicable
Duration:	94h	**Source:**	Aquatic Biosystems, CO	**Age:**	10 d

Sample ID:	03-6354-3166	**Code:**	22-W173	**Client:**	Wood Environment and Infrastructure
Sample Date:	16 Aug-22 13:10	**Material:**	Ambient Sample	**Project:**	SIYB TMDL Monitoring
Receipt Date:	16 Aug-22 15:10	**Source:**	Shelter Island Yacht Basin		
Sample Age:	25h (9 °C)	**Station:**	SIYB 4		

Single Comparison Summary

Analysis ID	Endpoint	Comparison Method	P-Value	Comparison Result
19-8304-6216	96h Survival Rate	Equal Variance t Two-Sample Test	0.6596	100% passed 96h survival rate
11-9346-1718	96h Survival Rate	TST-Welch's t Test	0.0033	100% passed 96h survival rate

96h Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	6	0.8333	0.6753	0.9913	0.6000	1.0000	0.0615	0.1506	18.07%	0.00%
100		6	0.8667	0.7583	0.9751	0.8000	1.0000	0.0422	0.1033	11.92%	-4.00%

96h Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6
0	LC	0.8000	0.6000	1.0000	0.8000	0.8000	1.0000
100		1.0000	0.8000	0.8000	0.8000	0.8000	1.0000

Analyst: RV QA: BCS

Pacific Topsmelt 96-h Acute Survival Test — Wood E&IS

Analysis ID: 11-9346-1718 **Endpoint:** 96h Survival Rate **CETIS Version:** CETISv1.9.3
Analyzed: 08 Sep-22 11:15 **Analysis:** Parametric Bioequivalence-Two Sample **Official Results:** Yes

Data Transform	Alt Hyp	TST_b	Comparison Result
Angular (Corrected)	C*b < T	0.8	100% passed 96h survival rate

TST-Welch's t Test

Control	vs	Control II	Test Stat	Critical	DF	P-Type	P-Value	Decision(α:10%)
Lab Control		100*	3.518	1.383	9	CDF	0.0033	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0040727	0.0040727	1	0.1794	0.6809	Non-Significant Effect
Error	0.227045	0.0227045	10			
Total	0.231117		11			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	2.003	14.94	0.4641	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.8524	0.8025	0.0393	Normal Distribution

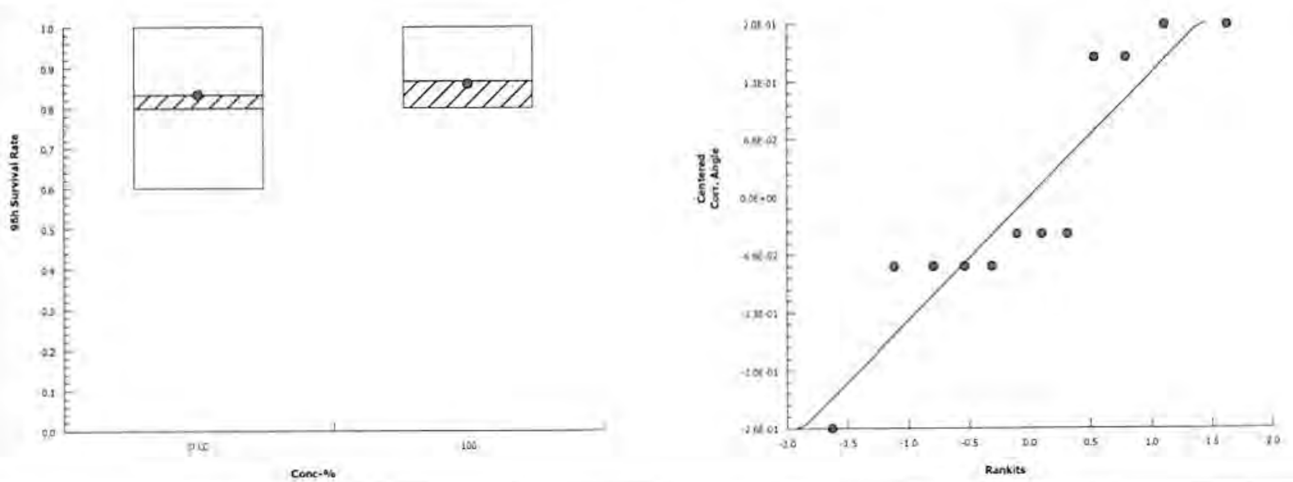
96h Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	0.8333	0.6753	0.9913	0.8000	0.6000	1.0000	0.0615	18.07%	0.00%
100		6	0.8667	0.7583	0.9751	0.8000	0.8000	1.0000	0.0422	11.92%	-4.00%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	1.15	0.967	1.332	1.107	0.8861	1.345	0.07105	15.14%	0.00%
100		6	1.187	1.057	1.316	1.107	1.107	1.345	0.0502	10.36%	-3.20%

Graphics



Pacific Topsmelt 96-h Acute Survival Test					Wood E&IS
Analysis ID: 19-8304-6216		**Endpoint:** 96h Survival Rate		**CETIS Version:** CETISv1.9.3	
Analyzed: 08 Sep-22 11:15		**Analysis:** Parametric-Two Sample		**Official Results:** Yes	

Data Transform	Alt Hyp	Comparison Result	PMSD
Angular (Corrected)	C > T	100% passed 96h survival rate	15.91%

Equal Variance t Two-Sample Test

Control vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Control	100	-0.4235	1.812	0.158	10	CDF	0.6596	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0040727	0.0040727	1	0.1794	0.6809	Non-Significant Effect
Error	0.227045	0.0227045	10			
Total	0.231117		11			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	2.003	14.94	0.4641	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.8524	0.8025	0.0393	Normal Distribution

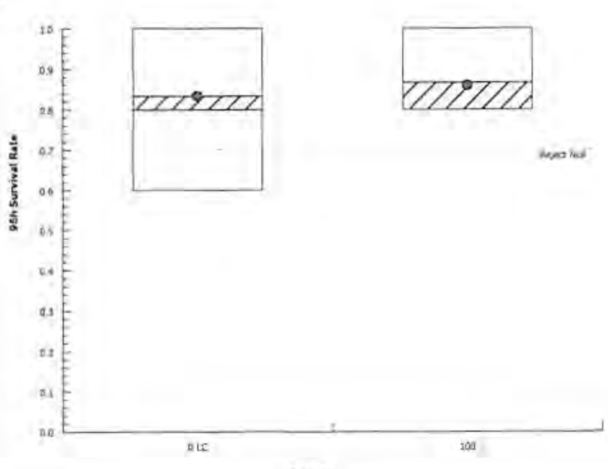
96h Survival Rate Summary

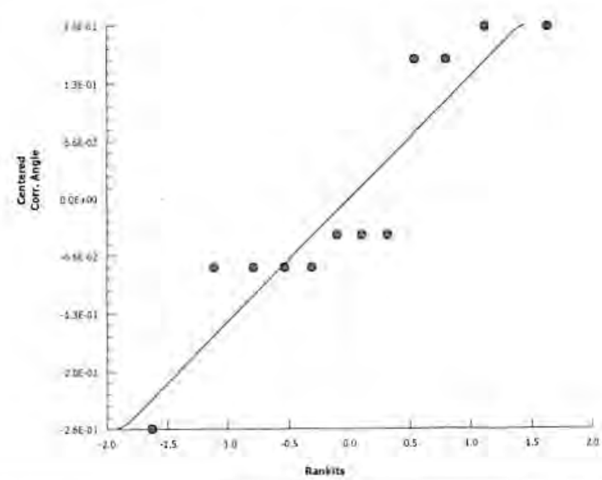
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	0.8333	0.6753	0.9913	0.8000	0.6000	1.0000	0.0615	18.07%	0.00%
100		6	0.8667	0.7583	0.9751	0.8000	0.8000	1.0000	0.0422	11.92%	-4.00%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	1.15	0.967	1.332	1.107	0.8861	1.345	0.07105	15.14%	0.00%
100		6	1.187	1.057	1.316	1.107	1.107	1.345	0.0502	10.36%	-3.20%

Graphics





96hr Marine Acute Test with 48hr Renewal

Client: Wood: POSD - Shelter Island Yacht Basin
Sample ID: SIYB-4
Test No. 22-08-012

Test Species: *Atherinops affinis* (topsmelt)
Start Date/Time: 8/17/22 1359
End Date/Time: 8/21/22 1200

Sample ID (%)	Rep	Counts 0	24	48	72	96
LC #2	A	5	5	5	5	4
	B	5	5	5	5	3
	C	5	5	5	5	5
	D	5	5	5	5	4
	E	5	5	5	5	4
	F	5	5	5	5	5
100	A	5	5	5	5	5
	B	5	5	5	5	4
	C	5	5	5	5	4
	D	5	5	5	5	4
	E	5	5	5	5	4
	F	5	5	5	5	5
	A					
	B					
	C					
	D					
	E					
	F					
	A					
	B					
	C					
	D					
	E					
	F					
	A					
	B					
	C					
	D					
	E					
	F					
Tech Initials:		RV	RV JF	AG	SC	

Water Quality Parameter	0	24	48f	48i	72	96
Temp. (°C)	21.5	21.5	21.2	21.2	20.9	21.3
Salinity (ppt)	33.9	33.4	33.4	33.9	34.2	33.7
pH (units)	7.88	7.66	7.78	7.89	7.79	7.74
DO (mg/L)	7.2	6.2	6.3	7.2	~~7.1~~ 6.5 AG	6.3
Temp. (°C)	21.3	21.5	21.3	21.0	20.8	21.4
Salinity (ppt)	34.1	34.0	34.2	34.1	34.3	34.2
pH (units)	7.83	7.68	7.78	7.80	7.78	7.74
DO (mg/L)	8.0	6.1	6.3	8.3	6.4	6.3
Temp. (°C)						
Salinity (ppt)						
pH (units)						
DO (mg/L)						
Temp. (°C)						
Salinity (ppt)						
pH (units)						
DO (mg/L)						
Temp. (°C)						
Salinity (ppt)						
pH (units)						
DO (mg/L)						
Tech Initials:	JF	RV	MS/TD	MS/TD	AG	RV

QC: SC
Date Animals Received: 8/16/22 ABS
Age of Animals at Test Start: 10d

Feedings	0	24	48	72	96
Initials (AM):	MJ	JF	JF	AG	RN
Initials (PM):					

Comments:

QC Check: RV 9/8/22

Final Review: BS 10/10/22

Site: SIYB-5

CETIS Summary Report

Pacific Topsmelt 96-h Acute Survival Test — **Wood E&IS**

Batch ID:	09-0664-6786	**Test Type:**	Survival (96h)	**Analyst:**	
Start Date:	17 Aug-22 14:15	**Protocol:**	EPA/821/R-02-012 (2002)	**Diluent:**	Natural Seawater
Ending Date:	21 Aug-22 12:15	**Species:**	Atherinops affinis	**Brine:**	Not Applicable
Duration:	94h	**Source:**	Aquatic Biosystems, CO	**Age:**	10 d

Sample ID:	03-5131-6910	**Code:**	22-W174	**Client:**	Wood Environment and Infrastructure
Sample Date:	16 Aug-22 12:15	**Material:**	Ambient Sample	**Project:**	SIYB TMDL Monitoring
Receipt Date:	16 Aug-22 15:10	**Source:**	Shelter Island Yacht Basin		
Sample Age:	26h (6.3 °C)	**Station:**	SIYB 5		

Single Comparison Summary

Analysis ID	Endpoint	Comparison Method	P-Value	Comparison Result
08-4425-3029	96h Survival Rate	Equal Variance t Two-Sample Test	0.2492	100% passed 96h survival rate
04-2665-4294	96h Survival Rate	TST-Welch's t Test	0.0883	100% passed 96h survival rate

96h Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	6	0.7667	0.6087	0.9247	0.6000	1.0000	0.0615	0.1506	19.64%	0.00%
100		6	0.7000	0.5244	0.8756	0.6000	1.0000	0.0683	0.1673	23.90%	8.70%

96h Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6
0	LC	0.6000	0.8000	0.8000	0.8000	0.6000	1.0000
100		0.6000	0.6000	1.0000	0.8000	0.6000	0.6000

CETIS Analytical Report

Report Date:	08 Sep-22 11:18 (p 1 of 2)
Test Code:	22-08-013 | 19-5513-4725

Pacific Topsmelt 96-h Acute Survival Test — Wood E&IS

Analysis ID:	08-4425-3029	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.9.3
Analyzed:	08 Sep-22 11:18	**Analysis:**	Parametric-Two Sample	**Official Results:**	Yes

Data Transform	Alt Hyp	Comparison Result	PMSD
Angular (Corrected)	C > T	100% passed 96h survival rate	22.13%

Equal Variance t Two-Sample Test

Control	vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Control		100	0.7025	1.812	0.190	10	CDF	0.2492	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0162909	0.0162909	1	0.4935	0.4984	Non-Significant Effect
Error	0.33013	0.033013	10			
Total	0.346421		11			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	1.238	14.94	0.8205	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.8761	0.8025	0.0782	Normal Distribution

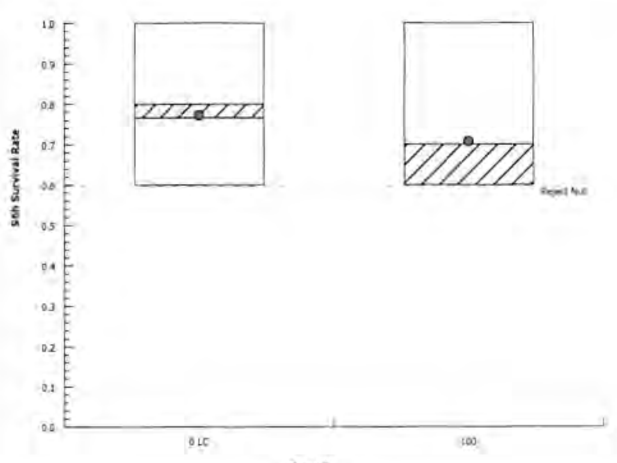
96h Survival Rate Summary

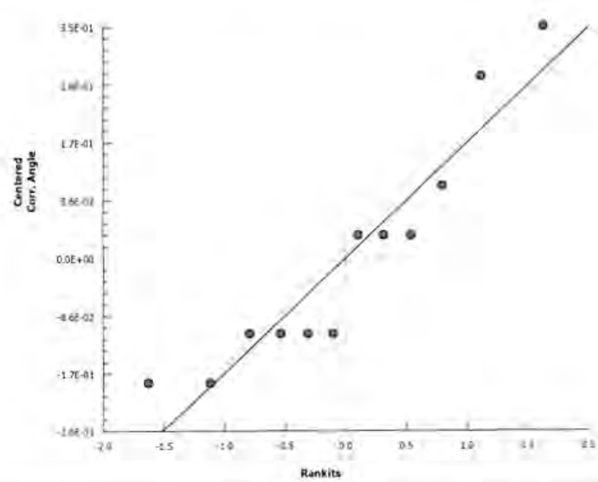
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	0.7667	0.6087	0.9247	0.8000	0.6000	1.0000	0.0615	19.64%	0.00%
100		6	0.7000	0.5244	0.8756	0.6000	0.6000	1.0000	0.0683	23.90%	8.70%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	1.073	0.8929	1.253	1.107	0.8861	1.345	0.07012	16.01%	0.00%
100		6	0.9995	0.7989	1.2	0.8861	0.8861	1.345	0.07802	19.12%	6.87%

Graphics





Pacific Topsmelt 96-h Acute Survival Test			Wood E&IS
Analysis ID: 04-2665-4294	Endpoint: 96h Survival Rate	CETIS Version: CETISv1.9.3	
Analyzed: 08 Sep-22 11:18	Analysis: Parametric Bioequivalence-Two Sample	Official Results: Yes	

Data Transform	Alt Hyp	TST_b	Comparison Result
Angular (Corrected)	C*b < T	0.8	100% passed 96h survival rate

TST-Welch's t Test

Control	vs	Control II	Test Stat	Critical	DF	P-Type	P-Value	Decision(α:10%)
Lab Control		100*	1.467	1.383	9	CDF	0.0883	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0162909	0.0162909	1	0.4935	0.4984	Non-Significant Effect
Error	0.33013	0.033013	10			
Total	0.346421		11			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	1.238	14.94	0.8205	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.8761	0.8025	0.0782	Normal Distribution

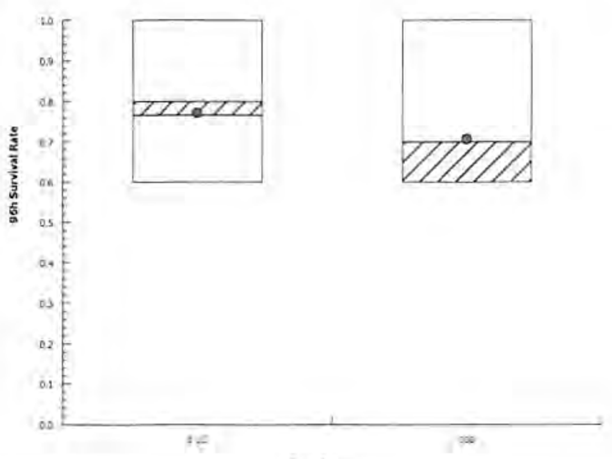
96h Survival Rate Summary

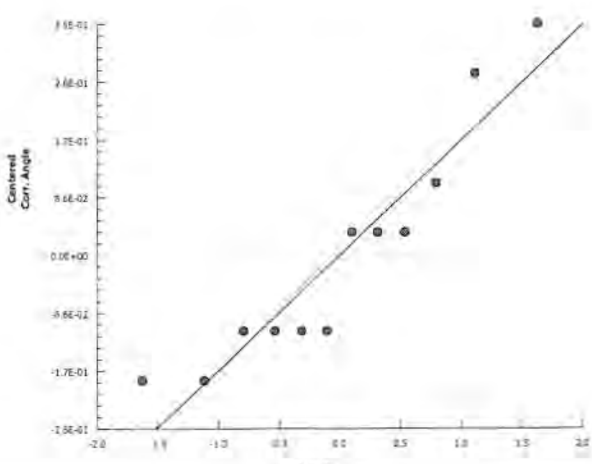
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	0.7667	0.6087	0.9247	0.8000	0.6000	1.0000	0.0615	19.64%	0.00%
100		6	0.7000	0.5244	0.8756	0.6000	0.6000	1.0000	0.0683	23.90%	8.70%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	1.073	0.8929	1.253	1.107	0.8861	1.345	0.07012	16.01%	0.00%
100		6	0.9995	0.7989	1.2	0.8861	0.8861	1.345	0.07802	19.12%	6.87%

Graphics





96hr Marine Acute Test with 48hr Renewal

Client: Wood: POSD - Shelter Island Yacht Basin
Sample ID: SIYB-5
Test No. 22-08-013

Test Species: *Atherinops affinis* (topsmelt)
Start Date/Time: 8/17/22 1415
End Date/Time: 8/21/22 1215

Sample ID (%)	Rep	Counts 0	24	48	72	96
LC #3	A	5	5	5	5	3
	B	5	5	5	5	4
	C	5	5	5	5	4
	D	5	5	5	5	4
	E	5	5	5	5	3
	F	5	5	5	5	5
100	A	5	5	5	5	3
	B	5	5	5	5	3
	C	5	5	5	5	5
	D	5	5	5	5	4
	E	5	5	5	5	3
	F	5	5	5	5	3
	A					
	B					
	C					
	D					
	E					
	F					
	A					
	B					
	C					
	D					
	E					
	F					
	A					
	B					
	C					
	D					
	E					
	F					
	Tech Initials:	RV	RV	JF	AG	SK

Water Quality Parameter	0	24	48f	48i	72	96
Temp. (°C)	21.5	21.5	21.4	21.2	21.0	21.4
Salinity (ppt)	33.9	33.4	33.5	33.9	34.1	33.8
pH (units)	7.88	7.72	7.78	7.89	7.75	7.76
DO (mg/L)	7.2	6.2	6.3	7.2	~~7.0~~ 6.4	6.1
Temp. (°C)	21.3	21.4	21.4	20.9	21.0	21.4
Salinity (ppt)	33.9	34.2	34.3	34.3	34.5	34.4
pH (units)	7.84	7.70	7.75	7.81	7.76	7.75
DO (mg/L)	7.7	6.1	6.3	8.5	6.3	6.1
Temp. (°C)						
Salinity (ppt)						
pH (units)						
DO (mg/L)						
Temp. (°C)						
Salinity (ppt)						
pH (units)						
DO (mg/L)						
Temp. (°C)						
Salinity (ppt)						
pH (units)						
DO (mg/L)						
Tech Initials:	JF	RV	MS/TD	MS/TD	AG	RV

QC: SC
Date Animals Received: 8/16/22 ABS
Age of Animals at Test Start: 10d

Feedings	0	24	48	72	96
Initials (AM):	MJ	JF	JF	AG	RV
Initials (PM):					

Comments:

QC Check: RV 9/8/22

Final Review: BCS 10/10/22

Site: SIYB-6

CETIS Summary Report

Report Date: 08 Sep-22 11:21 (p 1 of 1)
Test Code: 22-08-014 | 19-7302-4658

Pacific Topsmelt 96-h Acute Survival Test — Wood E&IS

Batch ID:	20-8662-4922	Test Type:	Survival (96h)	Analyst:	
Start Date:	17 Aug-22 14:15	Protocol:	EPA/821/R-02-012 (2002)	Diluent:	Natural Seawater
Ending Date:	21 Aug-22 12:15	Species:	Atherinops affinis	Brine:	Not Applicable
Duration:	94h	Source:	Aquatic Biosystems, CO	Age:	10 d

Sample ID:	07-1963-2941	Code:	22-W175	Client:	Wood Environment and Infrastructure
Sample Date:	16 Aug-22 10:55	Material:	Ambient Sample	Project:	SIYB TMDL Monitoring
Receipt Date:	16 Aug-22 15:10	Source:	Shelter Island Yacht Basin		
Sample Age:	27h (5.8 °C)	Station:	SIYB 6		

Single Comparison Summary

Analysis ID	Endpoint	Comparison Method	P-Value	Comparison Result
20-0178-3174	96h Survival Rate	Equal Variance t Two-Sample Test	0.5096	100% passed 96h survival rate
08-8060-0295	96h Survival Rate	TST-Welch's t Test	0.0392	100% passed 96h survival rate

96h Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	6	0.7667	0.6087	0.9247	0.6000	1.0000	0.0615	0.1506	19.64%	0.00%
100		6	0.7667	0.5603	0.9730	0.6000	1.0000	0.0803	0.1966	25.65%	0.00%

96h Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6
0	LC	0.6000	0.8000	0.8000	0.8000	0.6000	1.0000
100		0.6000	0.6000	0.6000	0.8000	1.0000	1.0000

Pacific Topsmelt 96-h Acute Survival Test				Wood E&IS
Analysis ID: 20-0178-3174	Endpoint: 96h Survival Rate		CETIS Version: CETISv1.9.3	
Analyzed: 08 Sep-22 11:20	Analysis: Parametric-Two Sample		Official Results: Yes	

Data Transform	Alt Hyp	Comparison Result	PMSD
Angular (Corrected)	C > T	100% passed 96h survival rate	24.65%

Equal Variance t Two-Sample Test

Control	vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Control		100	-0.02457	1.812	0.21	10	CDF	0.5096	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	2.426E-05	2.426E-05	1	0.0006039	0.9809	Non-Significant Effect
Error	0.401726	0.0401726	10			
Total	0.40175		11			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	1.723	14.94	0.5649	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.8059	0.8025	0.0110	Normal Distribution

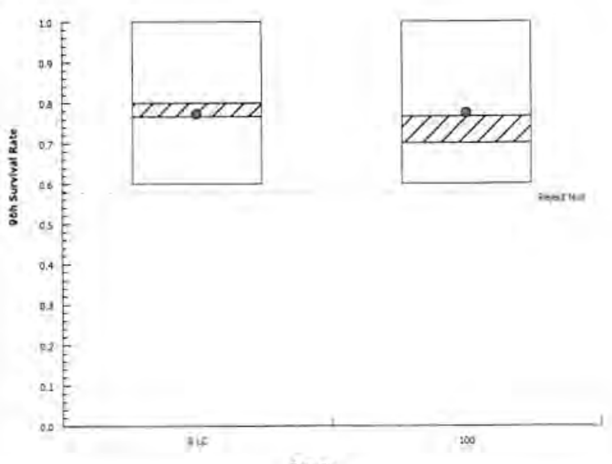
96h Survival Rate Summary

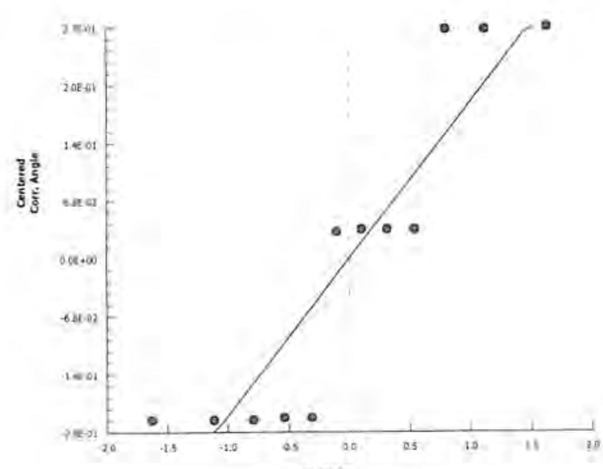
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	0.7667	0.6087	0.9247	0.8000	0.6000	1.0000	0.0615	19.64%	0.00%
100		6	0.7667	0.5603	0.9730	0.7000	0.6000	1.0000	0.0803	25.65%	0.00%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	1.073	0.8929	1.253	1.107	0.8861	1.345	0.07012	16.01%	0.00%
100		6	1.076	0.8394	1.313	0.9966	0.8861	1.345	0.09205	20.96%	-0.26%

Graphics





Pacific Topsmelt 96-h Acute Survival Test		Wood E&IS
Analysis ID: 08-8060-0295 **Analyzed:** 08 Sep-22 11:21	**Endpoint:** 96h Survival Rate **Analysis:** Parametric Bioequivalence-Two Sample	**CETIS Version:** CETISv1.9.3 **Official Results:** Yes

Data Transform	Alt Hyp	TST_b	Comparison Result
Angular (Corrected)	C*b < T	0.8	100% passed 96h survival rate

TST-Welch's t Test

Control vs	Control II	Test Stat	Critical	DF	P-Type	P-Value	Decision(α:10%)
Lab Control	100*	2.017	1.397	8	CDF	0.0392	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	2.426E-05	2.426E-05	1	0.0006039	0.9809	Non-Significant Effect
Error	0.401726	0.0401726	10			
Total	0.40175		11			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	1.723	14.94	0.5649	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.8059	0.8025	0.0110	Normal Distribution

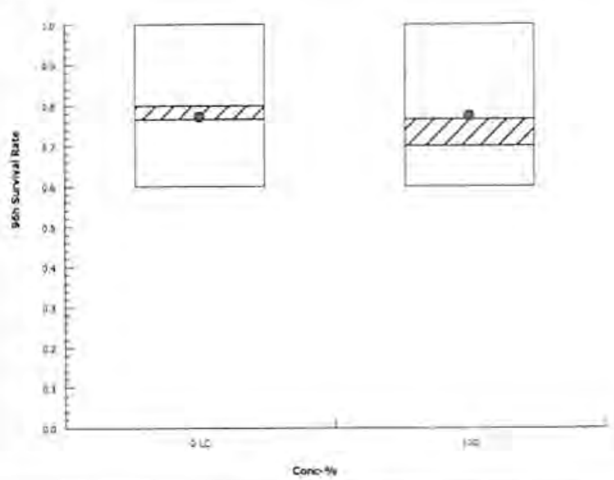
96h Survival Rate Summary

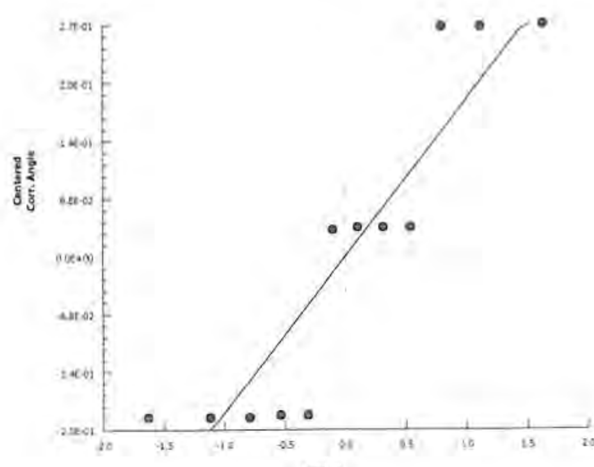
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	0.7667	0.6087	0.9247	0.8000	0.6000	1.0000	0.0615	19.64%	0.00%
100		6	0.7667	0.5603	0.9730	0.7000	0.6000	1.0000	0.0803	25.65%	0.00%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	1.073	0.8929	1.253	1.107	0.8861	1.345	0.07012	16.01%	0.00%
100		6	1.076	0.8394	1.313	0.9966	0.8861	1.345	0.09205	20.96%	-0.26%

Graphics





96hr Marine Acute Test with 48hr Renewal

Client: Wood: POSD - Shelter Island Yacht Basin
Sample ID: SIYB-6
Test No. 22-08-014

Test Species: *Atherinops affinis* (topsmelt)
Start Date/Time: 8/17/22 1415
End Date/Time: 8/21/22 1215

Sample ID (%)	Rep	Counts 0	24	48	72	96
LC #3	A	5	5	5	5	3
	B	5	5	5	5	4
	C	5	5	5	5	4
	D	5	5	5	5	4
	E	5	5	5	5	3
	F	5	5	5	5	5
100	A	5	5	5	5	3
	B	5	5	5	5	3
	C	5	5	5	5	3
	D	5	5	5	5	4
	E	5	5	5	5	5
	F	5	5	5	5	5
	A					
	B					
	C					
	D					
	E					
	F					
	A					
	B					
	C					
	D					
	E					
	F					
	A					
	B					
	C					
	D					
	E					
	F					
Tech Initials:		RV	RV	JF	AG	SC

QC: SC

Sample ID (%)	Water Quality Parameter	0	24	48f	48i	72	96
LC #3	Temp. (°C)	21.5	21.5	21.4	21.2	21.1	21.4
	Salinity (ppt)	33.9	33.4	33.5	33.9	34.1	33.8
	pH (units)	7.88	7.72	7.78	7.89	7.75	7.76
	DO (mg/L)	7.2	6.2	6.3	7.2	6.3	6.1
100	Temp. (°C)	21.3	21.6	21.4	20.9	21.1	21.6
	Salinity (ppt)	34.0	33.8	34.0	34.3	34.5	34.1
	pH (units)	7.82	7.69	7.77	7.79	7.77	7.75
	DO (mg/L)	7.7	6.4	6.3	8.3	6.2	6.3
	Temp. (°C)						
	Salinity (ppt)						
	pH (units)						
	DO (mg/L)						
	Temp. (°C)						
	Salinity (ppt)						
	pH (units)						
	DO (mg/L)						
	Temp. (°C)						
	Salinity (ppt)						
	pH (units)						
	DO (mg/L)						
	Tech Initials:	JF	RV	MS/TD	MS/TD	AG	RV

Date Animals Received: 8/16/22 ABS
Age of Animals at Test Start: 10d

Feedings	0	24	48	72	96
Initials (AM):	NJ	JF	JF	AG	RV
Initials (PM):					

Comments:

QC Check: RV 9/8/22

Final Review: BCS 10/10/22

Wood Environmental Toxicology Lab, 4905 Morena Blvd, Ste. 1304, San Diego, CA 92117

Site: SIYB-REF-1

CETIS Summary Report

Pacific Topsmelt 96-h Acute Survival Test — **Wood E&IS**

Batch ID:	14-0478-8253	**Test Type:**	Survival (96h)	**Analyst:**	
Start Date:	17 Aug-22 14:15	**Protocol:**	EPA/821/R-02-012 (2002)	**Diluent:**	Natural Seawater
Ending Date:	21 Aug-22 12:15	**Species:**	Atherinops affinis	**Brine:**	Not Applicable
Duration:	94h	**Source:**	Aquatic Biosystems, CO	**Age:**	10 d

Sample ID:	05-3625-7702	**Code:**	22-W176	**Client:**	Wood Environment and Infrastructure
Sample Date:	16 Aug-22 09:55	**Material:**	Ambient Sample	**Project:**	SIYB TMDL Monitoring
Receipt Date:	16 Aug-22 15:10	**Source:**	Shelter Island Yacht Basin		
Sample Age:	28h (4.3 °C)	**Station:**	SIYB REF1		

Single Comparison Summary

Analysis ID	Endpoint	Comparison Method	P-Value	Comparison Result
03-5742-9643	96h Survival Rate	Equal Variance t Two-Sample Test	0.7695	100% passed 96h survival rate
13-7340-3535	96h Survival Rate	TST-Welch's t Test	0.0053	100% passed 96h survival rate

96h Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	6	0.7667	0.6087	0.9247	0.6000	1.0000	0.0615	0.1506	19.64%	0.00%
100		6	0.8333	0.6753	0.9913	0.6000	1.0000	0.0615	0.1506	18.07%	-8.70%

96h Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6
0	LC	0.6000	0.8000	0.8000	0.8000	0.6000	1.0000
100		0.8000	1.0000	0.6000	1.0000	0.8000	0.8000

CETIS Analytical Report

Pacific Topsmelt 96-h Acute Survival Test — **Wood E&IS**

Analysis ID: 03-5742-9643 **Endpoint:** 96h Survival Rate **CETIS Version:** CETISv1.9.3
Analyzed: 08 Sep-22 11:23 **Analysis:** Parametric-Two Sample **Official Results:** Yes

Data Transform	Alt Hyp	Comparison Result	PMSD
Angular (Corrected)	C > T	100% passed 96h survival rate	20.96%

Equal Variance t Two-Sample Test

Control vs	Conc-%	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Control	100	-0.7667	1.812	0.181	10	CDF	0.7695	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0175725	0.0175725	1	0.5878	0.4610	Non-Significant Effect
Error	0.298951	0.0298951	10			
Total	0.316523		11			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	1.027	14.94	0.9778	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9462	0.8025	0.5825	Normal Distribution

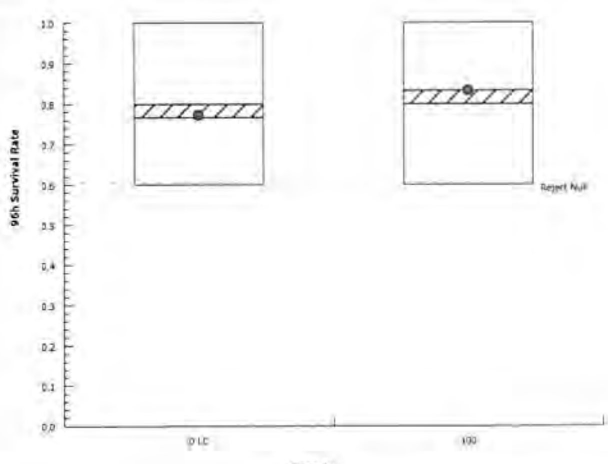
96h Survival Rate Summary

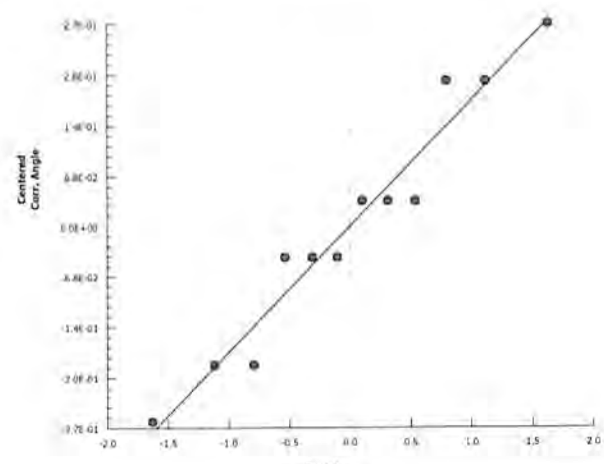
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	0.7667	0.6087	0.9247	0.8000	0.6000	1.0000	0.0615	19.64%	0.00%
100		6	0.8333	0.6753	0.9913	0.8000	0.6000	1.0000	0.0615	18.07%	-8.70%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	1.073	0.8929	1.253	1.107	0.8861	1.345	0.07012	16.01%	0.00%
100		6	1.15	0.967	1.332	1.107	0.8861	1.345	0.07105	15.14%	-7.13%

Graphics





Pacific Topsmelt 96-h Acute Survival Test — Wood E&IS

Analysis ID:	13-7340-3535	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.9.3
Analyzed:	08 Sep-22 11:23	**Analysis:**	Parametric Bioequivalence-Two Sample	**Official Results:**	Yes

Data Transform	Alt Hyp	TST_b	Comparison Result
Angular (Corrected)	C*b < T	0.8	100% passed 96h survival rate

TST-Welch's t Test

Control	vs	Control II	Test Stat	Critical	DF	P-Type	P-Value	Decision(α:10%)
Lab Control		100*	3.216	1.383	9	CDF	0.0053	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0175725	0.0175725	1	0.5878	0.4610	Non-Significant Effect
Error	0.298951	0.0298951	10			
Total	0.316523		11			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Variance Ratio F Test	1.027	14.94	0.9778	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9462	0.8025	0.5825	Normal Distribution

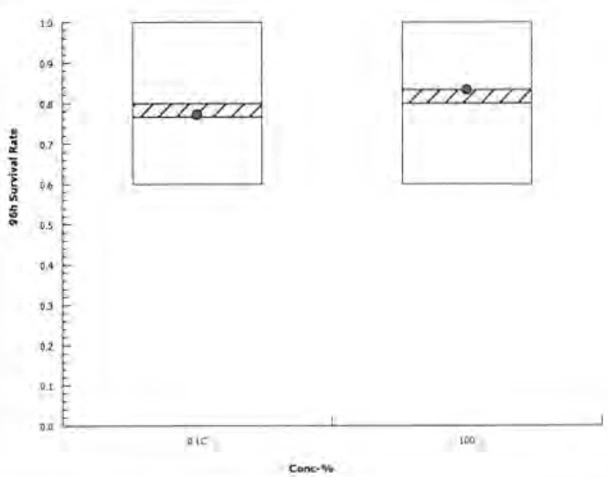
96h Survival Rate Summary

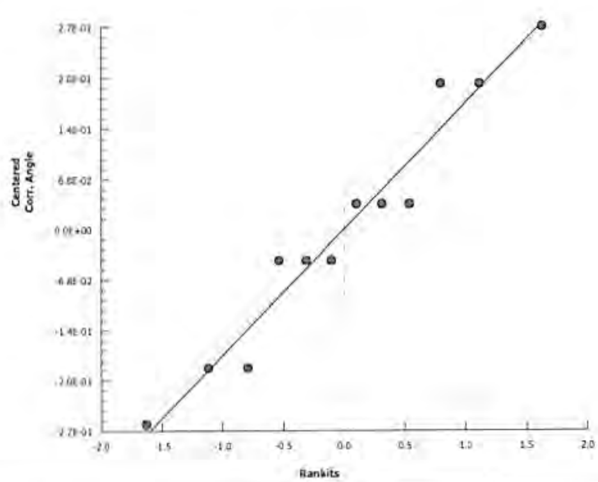
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	0.7667	0.6087	0.9247	0.8000	0.6000	1.0000	0.0615	19.64%	0.00%
100		6	0.8333	0.6753	0.9913	0.8000	0.6000	1.0000	0.0615	18.07%	-8.70%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	1.073	0.8929	1.253	1.107	0.8861	1.345	0.07012	16.01%	0.00%
100		6	1.15	0.967	1.332	1.107	0.8861	1.345	0.07105	15.14%	-7.13%

Graphics





96hr Marine Acute Test with 48hr Renewal

Client: Wood: POSD - Shelter Island Yacht Basin
Sample ID: SIYB-REF-1
Test No. 22-08-015

Test Species: *Atherinops affinis* (topsmelt)
Start Date/Time: 8/17/22 1415
End Date/Time: 8/21/22 1215

Sample ID (%)	Rep	Counts 0	24	48	72	96
LC #3	A	5	5	5	5	3
	B	5	5	5	5	4
	C	5	5	5	5	4
	D	5	5	5	5	4
	E	5	5	5	5	3
	F	5	5	5	5	5
100	A	5	5	5	5	4
	B	5	5	5	5	5
	C	5	5	5	5	3
	D	5	5	5	5	5
	E	5	5	5	5	4
	F	5	5	5	5	4
	A					
	B					
	C					
	D					
	E					
	F					
	A					
	B					
	C					
	D					
	E					
	F					
	A					
	B					
	C					
	D					
	E					
	F					
Tech Initials:		RV	RN	JF	AG	SC

Water Quality Parameter	0	24	48f	48i	72	96
Temp. (°C)	21.5	21.5	21.2	21.2	21.2	21.4
Salinity (ppt)	33.9	33.4	33.6	33.9	34.1	33.8
pH (units)	7.88	7.72	7.69	7.89	7.75	7.76
DO (mg/L)	7.2	6.2	6.4	7.2	6.3	6.1
Temp. (°C)	21.4	21.5	20.9	20.8	21.1	21.5
Salinity (ppt)	34.2	34.1	34.3	34.1	34.3	34.1
pH (units)	7.72	7.68	7.76	7.79	7.74	7.71
DO (mg/L)	7.8	6.2	6.4	8.3	6.2	6.3
Temp. (°C)						
Salinity (ppt)						
pH (units)						
DO (mg/L)						
Temp. (°C)						
Salinity (ppt)						
pH (units)						
DO (mg/L)						
Temp. (°C)						
Salinity (ppt)						
pH (units)						
DO (mg/L)						
Tech Initials:	JF	RV	TD	MS/TD	AG	RV

QC: SC
Date Animals Received: 8/16/22 ABS
Age of Animals at Test Start: 10d

Feedings	0	24	48	72	96
Initials (AM):	NJ	JF	JF	AG	RV
Initials (PM):					

Comments:

QC Check: RV 9/8/22

Final Review: JCS 10/6/22

Aquatic Toxicology Laboratory
Test Organism Tracking & Acclimation

wood.

Client: POSD - SIYB
Project: TMDL Summer Monitoring

Test Organism: A. affinis (Topsmelt)
Test Date: 8-17-22

Procedures & Details	Information	Technician Initials
Date organisms ordered or reserved	7/18/22 ABS	SC
Test organism	Atherinops affinis (Pacific Topsmelt)	↓
Test organism source	ABS	
Number needed for testing (plus % extra)	500 (+10% extra) *only enough to test 100%	
Number ordered (including extra)	↓	
Loading rate of shipment	2 bowls of 250 fish each	
Date & Age of organisms upon receipt	8/16/22 9 days	
Date & Age at test initiation	8/17/22 10 days	
Loading rate of holding period	~250+ fish into 6-7L of sea H_2O	
Average WQ parameters upon receipt	pH: 6.91 / DO: 7.9 / Temp = 22.6 / Salinity = 30 ppt	
Targeted WQ parameters during acclimation	pH ~7.5 / DO: 7-8 / Temp: 21°C / Salinity = 32-34 ppt	↓
Daily Mortality and Observations:		
Day 0 (receipt): No. of Mortality	12	SC
Day 0 (receipt): Observations	look good	SC
Day 1: No. of Mortality	(18): Culture B	RV
Day 1: Observations	good	RV
Day 2: No. of Mortality	5	RV
Day 2: Observations	very healthy	RV
Day 3: No. of Mortality		
Day 3: Observations		
Day 4: No. of Mortality		
Day 4: Observations		
Day 5: No. of Mortality		
Day 5: Observations		

Notes on Mortality:

1. It is common to see up to 10% mortality with fish during the first 48-hours of acclimation - due to shipping stress, fish that do not feed, or fish that are weak or unhealthy.
2. However, a batch of fish or test organisms will not be used for testing if there is > 10% mortality during the final 48-hours of acclimation and test initiations.

Other Notes:

APPENDIX C

Acute Menidia Test

Raw Data & Statistical Analyses

Site: SIYB-1

CETIS Summary Report

Report Date:	08 Sep-22 11:45 (p 1 of 1)
Test Code:	22-08-016 | 06-4120-3352

Inland Silverside 96-h Acute Survival Test — Wood E&IS

Batch ID:	09-7657-2365	Test Type:	Survival (96h)	Analyst:	
Start Date:	17 Aug-22 14:15	Protocol:	EPA/821/R-02-012 (2002)	Diluent:	Natural Seawater
Ending Date:	21 Aug-22 13:15	Species:	Menidia beryllina	Brine:	Not Applicable
Duration:	95h	Source:	Aquatic Biosystems, CO	Age:	12 d

Sample ID:	10-4602-9594	Code:	22-W177	Client:	Wood Environment and Infrastructure
Sample Date:	16 Aug-22 15:50	Material:	Ambient Sample	Project:	SIYB TMDL Monitoring
Receipt Date:	16 Aug-22 18:20	Source:	Shelter Island Yacht Basin		
Sample Age:	22h (14.4 °C)	Station:	SIYB 1		

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD ✓
10-4231-4746	96h Survival Rate	Steel Many-One Rank Sum Test	100	> 100	n/a	1	13.1%
17-6610-8619	96h Survival Rate	TST-Welch's t Test	100	> 100	n/a	1	n/a

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits Lower	TAC Limits Upper	Overlap	Decision
10-4231-4746	96h Survival Rate	Control Resp	0.9333	0.9	>>	Yes	Passes Criteria
17-6610-8619	96h Survival Rate	Control Resp	0.9333	0.9	>>	Yes	Passes Criteria

96h Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	6	0.9333	0.7620	1.0000	0.6000	1.0000	0.0667	0.1633	17.50%	0.00%
25		6	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	-7.14%
50		6	0.9667	0.8810	1.0000	0.8000	1.0000	0.0333	0.0817	8.45%	-3.57%
100		6	0.9667	0.8810	1.0000	0.8000	1.0000	0.0333	0.0817	8.45%	-3.57%

96h Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6
0	LC	1.0000	1.0000	1.0000	0.6000	1.0000	1.0000
25		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	1.0000	1.0000	0.8000	1.0000
100		1.0000	0.8000	1.0000	1.0000	1.0000	1.0000

Inland Silverside 96-h Acute Survival Test — Wood E&IS

Analysis ID:	10-4231-4746	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.9.3
Analyzed:	08 Sep-22 11:45	**Analysis:**	Nonparametric-Control vs Treatments	**Official Results:**	Yes

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	13.06%

Steel Many-One Rank Sum Test

Control	vs	Conc-%	Test Stat	Critical	Ties	DF	P-Type	P-Value	Decision(α:5%)
Lab Control		25	42	26	1	10	Asymp	0.8900	Non-Significant Effect
		50	39.5	26	1	10	Asymp	0.7782	Non-Significant Effect
		100	39.5	26	1	10	Asymp	0.7782	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0175846	0.0058615	3	0.4338	0.7311	Non-Significant Effect
Error	0.270238	0.0135119	20			
Total	0.287823		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Levene Equality of Variance Test	2.711	4.938	0.0723	Equal Variances
Variances	Mod Levene Equality of Variance Test	0.4338	4.938	0.7311	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.6216	0.884	1.1E-06	Non-Normal Distribution

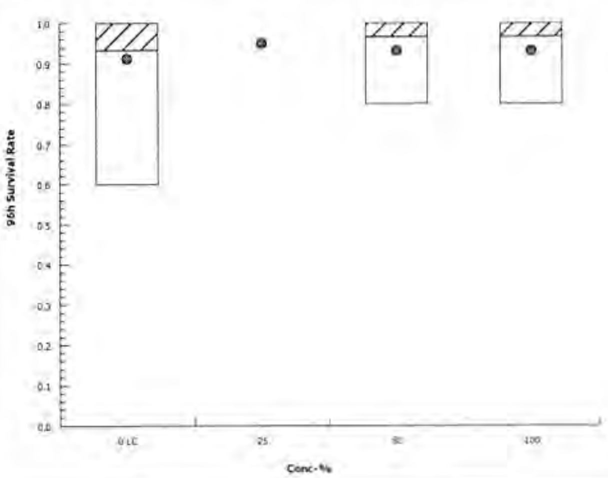
96h Survival Rate Summary

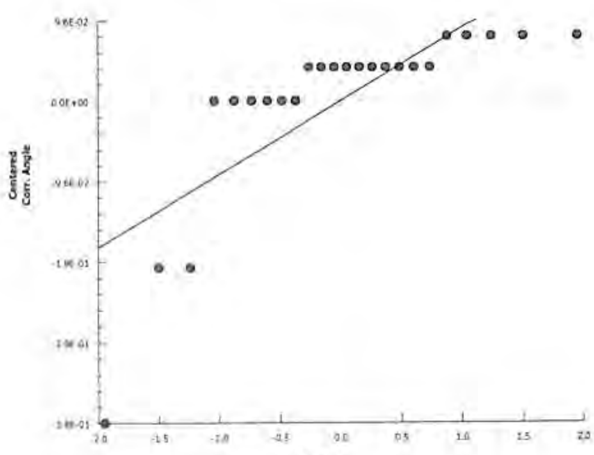
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	0.9333	0.7620	1.0000	1.0000	0.6000	1.0000	0.0667	17.50%	0.00%
25		6	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	-7.14%
50		6	0.9667	0.8810	1.0000	1.0000	0.8000	1.0000	0.0333	8.45%	-3.57%
100		6	0.9667	0.8810	1.0000	1.0000	0.8000	1.0000	0.0333	8.45%	-3.57%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	1.269	1.072	1.465	1.345	0.8861	1.345	0.07653	14.78%	0.00%
25		6	1.345	1.345	1.345	1.345	1.345	1.345	0	0.00%	-6.03%
50		6	1.306	1.204	1.408	1.345	1.107	1.345	0.03969	7.45%	-2.90%
100		6	1.306	1.204	1.408	1.345	1.107	1.345	0.03969	7.45%	-2.90%

Graphics





Inland Silverside 96-h Acute Survival Test Wood E&IS

Analysis ID:	17-6610-8619	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.9.3
Analyzed:	08 Sep-22 11:45	**Analysis:**	Parametric Bioequivalence-Two Sample	**Official Results:**	Yes

Data Transform	Alt Hyp	TST_b	NOEL	LOEL	TOEL	TU
Angular (Corrected)	C*b < T	0.8	100	> 100	n/a	1

TST-Welch's t Test

Control	vs	Control II	Test Stat	Critical	DF	P-Type	P-Value	Decision(α:10%)
Lab Control		25*	5.394	1.476	5	CDF	0.0015	Non-Significant Effect
		50*	3.983	1.397	8	CDF	0.0020	Non-Significant Effect
		100*	3.983	1.397	8	CDF	0.0020	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0175846	0.0058615	3	0.4338	0.7311	Non-Significant Effect
Error	0.270238	0.0135119	20			
Total	0.287823		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Levene Equality of Variance Test	2.711	4.938	0.0723	Equal Variances
Variances	Mod Levene Equality of Variance Test	0.4338	4.938	0.7311	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.6216	0.884	1.1E-06	Non-Normal Distribution

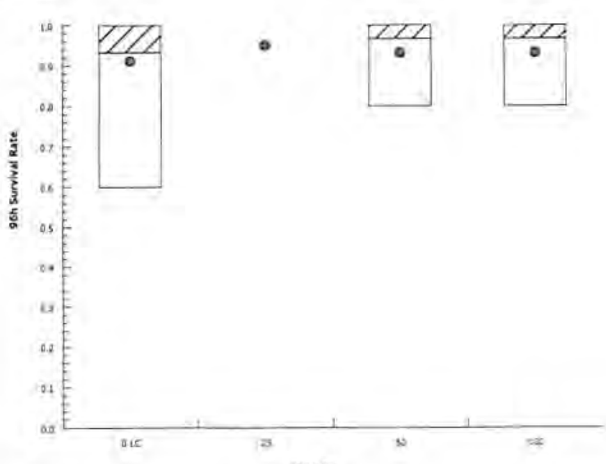
96h Survival Rate Summary

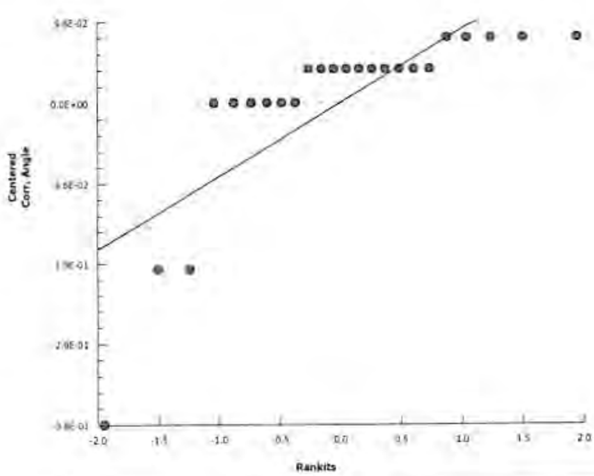
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	0.9333	0.7620	1.0000	1.0000	0.6000	1.0000	0.0667	17.50%	0.00%
25		6	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	-7.14%
50		6	0.9667	0.8810	1.0000	1.0000	0.8000	1.0000	0.0333	8.45%	-3.57%
100		6	0.9667	0.8810	1.0000	1.0000	0.8000	1.0000	0.0333	8.45%	-3.57%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	1.269	1.072	1.465	1.345	0.8861	1.345	0.07653	14.78%	0.00%
25		6	1.345	1.345	1.345	1.345	1.345	1.345	0	0.00%	-6.03%
50		6	1.306	1.204	1.408	1.345	1.107	1.345	0.03969	7.45%	-2.90%
100		6	1.306	1.204	1.408	1.345	1.107	1.345	0.03969	7.45%	-2.90%

Graphics





96hr Marine Acute Test with 48hr Renewal

Client: Wood: POSD - Shelter Island Yacht Basin
Sample ID: SIYB-1
Test No. 22-08-016

Test Species: *Menidia beryllina*
Start Date/Time: 8/17/22 1415
End Date/Time: 8/21/22 1315

Sample ID (%)	Rep	Counts 0	24	48	72	96
LC #1	A	5	5	5	5	5
	B	5	5	5	5	5
	C	5	5	5	5	5
	D	5	5	5	5	3
	E	5	5	5	5	5
	F	5	5	5	5	5
25	A	5	5	5	5	5
	B	5	5	5	5	5
	C	5	5	5	5	5
	D	5	5	5	5	5
	E	5	5	5	5	5
	F	5	5	5	5	5
50	A	5	5	5	5	5
	B	5	5	5	5	5
	C	5	5	5	5	5
	D	5	5	5	5	5
	E	5	4	4	4	4
	F	5	5	5	5	5
100	A	5	5	5	5	5
	B	5	5	5	5	4
	C	5	5	5	5	5
	D	5	5	5	5	5
	E	5	5	5	5	5
	F	5	5	5	5	5
	A					
	B					
	C					
	D					
	E					
	F					
Tech Initials:		JF	RV	JF	AG	SC

Parameter	0	24	48f	48i	72	96
Temp. (°C)	24.4	25.5	24.9	24.0	25.3	24.8
Salinity (ppt)	33.9	33.8	33.9	34.1	34.2	34.7
pH (units)	7.88	7.67	7.81	7.94	7.73	7.73
DO (mg/L)	6.9	5.7	5.9	6.9	5.8	5.5
Temp. (°C)	25.8	25.5	24.9	24.3	25.3	24.8
Salinity (ppt)	34.2	34.2	34.3	34.0	34.2	35.0
pH (units)	7.87	7.71	7.79	7.93	7.75	7.82
DO (mg/L)	7.2	5.7	6.0	6.9	5.8	6.1
Temp. (°C)	25.1	25.5	24.9	24.3	25.4	24.8
Salinity (ppt)	33.9	34.2	34.3	34.2	34.3	35.0
pH (units)	7.87	7.72	7.84	7.92	7.75	7.84
DO (mg/L)	7.5	5.8	6.0	7.1	5.7	6.0
Temp. (°C)	24.7	25.6	25.2	24.3	25.4	24.9
Salinity (ppt)	34.3	34.3	34.5	34.4	34.5	35.0
pH (units)	7.81	7.73	6.0	7.85	7.77	7.83
DO (mg/L)	7.7	5.9	7.84	7.6	5.7	5.9
Temp. (°C)						
Salinity (ppt)						
pH (units)						
DO (mg/L)						
Tech Initials:	RV	RV	TD	TD	AG	RV

QC: RV
Date Animals Received: 8/16/22 ABS
Age of Animals at Test Start: 12d

Feedings	0	24	48	72	96
Initials (AM):	–	JF	JF	AG	RV
Initials (PM):	JF				

Comments:

QC Check: RV 9/8/22

Final Review: JC 10/11/22

Wood Environmental Toxicology Lab, 4905 Morena Blvd, Ste. 1304, San Diego, CA 92117

Site: SIYB-2

CETIS Summary Report

Report Date: 08 Sep-22 11:47 (p 1 of 1)
Test Code: 22-08-017 | 12-1953-4966

Inland Silverside 96-h Acute Survival Test — Wood E&IS

Batch ID:	05-9791-0133	**Test Type:**	Survival (96h)	**Analyst:**	
Start Date:	17 Aug-22 14:35	**Protocol:**	EPA/821/R-02-012 (2002)	**Diluent:**	Natural Seawater
Ending Date:	21 Aug-22 13:25	**Species:**	Menidia beryllina	**Brine:**	Not Applicable
Duration:	95h	**Source:**	Aquatic Biosystems, CO	**Age:**	12 d

Sample ID:	08-9771-6871	**Code:**	22-W178	**Client:**	Wood Environment and Infrastructure
Sample Date:	16 Aug-22 15:00	**Material:**	Ambient Sample	**Project:**	SIYB TMDL Monitoring
Receipt Date:	16 Aug-22 18:20	**Source:**	Shelter Island Yacht Basin		
Sample Age:	24h (6.5 °C)	**Station:**	SIYB 2		

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD ✓
02-6389-4079	96h Survival Rate	Steel Many-One Rank Sum Test	100	> 100	n/a	1	15.5%
09-4162-6960	96h Survival Rate	TST-Welch's t Test	100	> 100	n/a	1	n/a

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits Lower	TAC Limits Upper	Overlap	Decision
02-6389-4079	96h Survival Rate	Control Resp	0.9333	0.9	>>	Yes	Passes Criteria
09-4162-6960	96h Survival Rate	Control Resp	0.9333	0.9	>>	Yes	Passes Criteria

96h Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	6	0.9333	0.7620	1.0000	0.6000	1.0000	0.0667	0.1633	17.50%	0.00%
25		6	0.9333	0.8249	1.0000	0.8000	1.0000	0.0422	0.1033	11.07%	0.00%
50		6	0.9667	0.8810	1.0000	0.8000	1.0000	0.0333	0.0817	8.45%	-3.57%
100		6	0.9000	0.7850	1.0000	0.8000	1.0000	0.0447	0.1095	12.17%	3.57%

96h Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6
0	LC	1.0000	1.0000	1.0000	0.6000	1.0000	1.0000
25		1.0000	1.0000	0.8000	1.0000	0.8000	1.0000
50		1.0000	0.8000	1.0000	1.0000	1.0000	1.0000
100		1.0000	1.0000	1.0000	0.8000	0.8000	0.8000

Inland Silverside 96-h Acute Survival Test — Wood E&IS

Analysis ID:	02-6389-4079	Endpoint:	96h Survival Rate	CETIS Version:	CETISv1.9.3
Analyzed:	08 Sep-22 11:47	Analysis:	Nonparametric-Control vs Treatments	Official Results:	Yes

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	15.47%

Steel Many-One Rank Sum Test

Control vs	Conc-%	Test Stat	Critical	Ties	DF	P-Type	P-Value	Decision(α:5%)
Lab Control	25	37	26	1	10	Asymp	0.6212	Non-Significant Effect
	50	39.5	26	1	10	Asymp	0.7782	Non-Significant Effect
	100	34.5	26	1	10	Asymp	0.4419	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.018939	0.0063130	3	0.3291	0.8043	Non-Significant Effect
Error	0.383654	0.0191827	20			
Total	0.402593		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	2.124	11.34	0.5470	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.7782	0.884	1.3E-04	Non-Normal Distribution

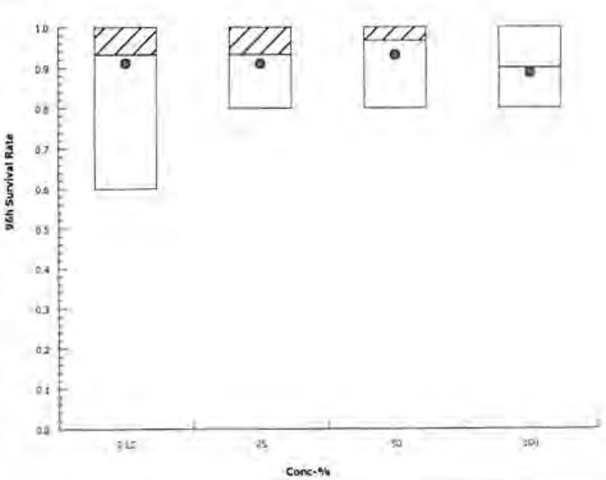
96h Survival Rate Summary

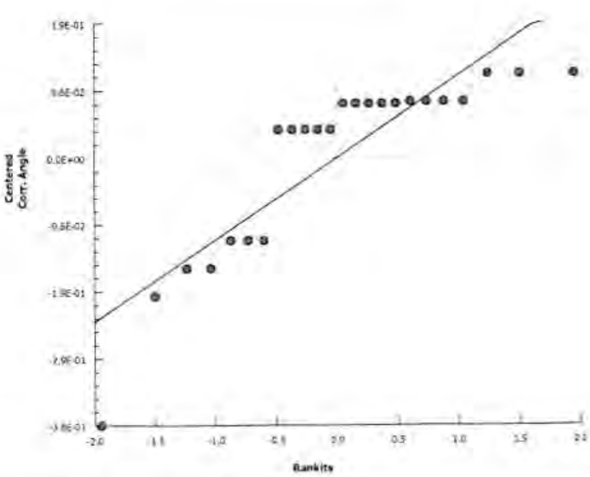
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	0.9333	0.7620	1.0000	1.0000	0.6000	1.0000	0.0667	17.50%	0.00%
25		6	0.9333	0.8249	1.0000	1.0000	0.8000	1.0000	0.0422	11.07%	0.00%
50		6	0.9667	0.8810	1.0000	1.0000	0.8000	1.0000	0.0333	8.45%	-3.57%
100		6	0.9000	0.7850	1.0000	0.9000	0.8000	1.0000	0.0447	12.17%	3.57%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	1.269	1.072	1.465	1.345	0.8861	1.345	0.07653	14.78%	0.00%
25		6	1.266	1.137	1.395	1.345	1.107	1.345	0.0502	9.71%	0.22%
50		6	1.306	1.204	1.408	1.345	1.107	1.345	0.03969	7.45%	-2.90%
100		6	1.226	1.089	1.363	1.226	1.107	1.345	0.05325	10.64%	3.35%

Graphics





Inland Silverside 96-h Acute Survival Test — Wood E&IS

Analysis ID:	09-4162-6960	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.9.3
Analyzed:	08 Sep-22 11:47	**Analysis:**	Parametric Bioequivalence-Two Sample	**Official Results:**	Yes

Data Transform	Alt Hyp	TST_b	NOEL	LOEL	TOEL	TU
Angular (Corrected)	C*b < T	0.8	100	> 100	n/a	1

TST-Welch's t Test

Control	vs	Control II	Test Stat	Critical	DF	P-Type	P-Value	Decision(α:10%)
Lab Control		25*	3.169	1.383	9	CDF	0.0057	Non-Significant Effect
		50*	3.983	1.397	8	CDF	0.0020	Non-Significant Effect
		100*	2.603	1.383	9	CDF	0.0143	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.018939	0.0063130	3	0.3291	0.8043	Non-Significant Effect
Error	0.383654	0.0191827	20			
Total	0.402593		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	2.124	11.34	0.5470	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.7782	0.884	1.3E-04	Non-Normal Distribution

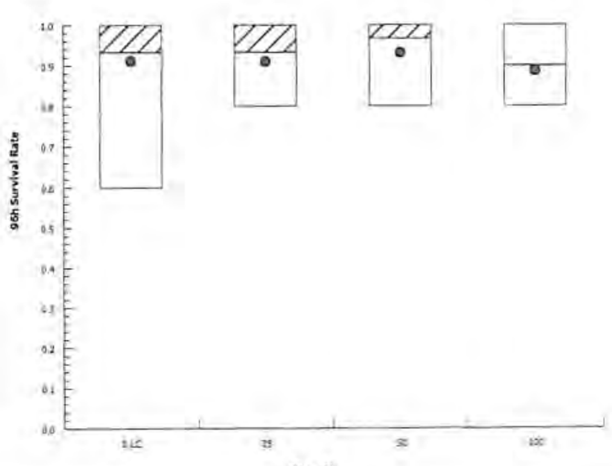
96h Survival Rate Summary

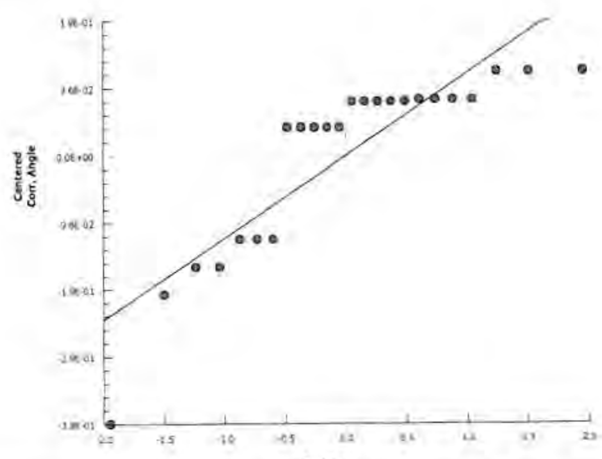
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	0.9333	0.7620	1.0000	1.0000	0.6000	1.0000	0.0667	17.50%	0.00%
25		6	0.9333	0.8249	1.0000	1.0000	0.8000	1.0000	0.0422	11.07%	0.00%
50		6	0.9667	0.8810	1.0000	1.0000	0.8000	1.0000	0.0333	8.45%	-3.57%
100		6	0.9000	0.7850	1.0000	0.9000	0.8000	1.0000	0.0447	12.17%	3.57%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	1.269	1.072	1.465	1.345	0.8861	1.345	0.07653	14.78%	0.00%
25		6	1.266	1.137	1.395	1.345	1.107	1.345	0.0502	9.71%	0.22%
50		6	1.306	1.204	1.408	1.345	1.107	1.345	0.03969	7.45%	-2.90%
100		6	1.226	1.089	1.363	1.226	1.107	1.345	0.05325	10.64%	3.35%

Graphics





96hr Marine Acute Test with 48hr Renewal

Client: Wood: POSD - Shelter Island Yacht Basin
Sample ID: SIYB-2
Test No. 22-08-017

Test Species: *Menidia beryllina*
Start Date/Time: 8/17/22 1435
End Date/Time: 8/21/22 1325

Sample ID (%)	Rep	Counts 0	24	48	72	96
LC #1	A	5	5	5	5	5
	B	5	5	5	5	5
	C	5	5	5	5	5
	D	5	5	5	5	3
	E	5	5	5	5	5
	F	5	5	5	5	5
25	A	5	5	5	5	5
	B	5	5	5	5	5
	C	5	5	5	5	4
	D	5	5	5	5	5
	E	5	4	4	4	4
	F	5	5	5	5	5
50	A	5	5	5	5	5
	B	5	5	5	5	4
	C	5	5	5	5	5
	D	5	5	5	5	5
	E	5	5	5	5	5
	F	5	5	5	5	5
100	A	5	5	5	5	5
	B	5	5	5	5	5
	C	5	5	5	5	5
	D	5	5	5	5	4
	E	5	5	5	5	4
	F	5	5	5	5	4
	A					
	B					
	C					
	D					
	E					
	F					
Tech Initials:		JF	RV	JF	AG	JC

Sample ID (%)	Parameter	Water Quality 0	24	48f	48i	72	96
LC #1	Temp. (°C)	24.4	~~25.6~~ 25.5 RV	24.9	24.0	25.4	~~24.4~~ RV 24.8
	Salinity (ppt)	33.9	~~34.2~~ RV	~~33.9~~ 33.8	34.1	31.3	~~35.0~~ RV 34.7
	pH (units)	7.88	~~7.77~~ 7.07 RV	7.81	7.94	7.79	~~7.80~~ RV 7.73
	DO (mg/L)	6.9	~~6.1~~ RV 5.7	5.9	6.9	5.8	~~6.0~~ RV 5.5
25	Temp. (°C)	25.1	25.6 RV	24.8	24.2	25.5	24.4
	Salinity (ppt)	33.8	34.3 RV	34.4	34.1	34.4	35.0
	pH (units)	7.85	7.77	7.83	7.85	7.80	7.80
	DO (mg/L)	7.2	~~5.9~~ RV 6.1	6.0	6.9	5.8	6.0
50	Temp. (°C)	24.4	25.4	24.9	24.2	25.5	24.6
	Salinity (ppt)	33.7	34.3 RV	34.5	34.2	34.4	35.1
	pH (units)	7.85	7.77	7.83	7.85	7.80	7.82
	DO (mg/L)	7.5	~~6.0~~ RV 5.9	5.9	7.2	5.9	6.1
100	Temp. (°C)	24.3	25.4	25.2	24.3	25.5	24.4
	Salinity (ppt)	34.3	34.5	34.6	34.4	34.5	35.2
	pH (units)	7.79	7.77	7.83	7.79	7.81	7.83
	DO (mg/L)	8.0	6.0	5.9	7.6	5.9	6.2
	Temp. (°C)						
	Salinity (ppt)						
	pH (units)						
	DO (mg/L)						
Tech Initials:		RV	RV	TD	TD	AG	RN

QC: RV
Date Animals Received: 8/16/22 ABS
Age of Animals at Test Start: 12d

Feedings	0	24	48	72	96
Initials (AM):	–	JF	JF	AG	RN
Initials (PM):	JF				

Comments:

QC Check: RV 9/8/22

Final Review: JC 10/11/22

Wood Environmental Toxicology Lab, 4905 Morena Blvd, Ste. 1304, San Diego, CA 92117

Site: SIYB-3

CETIS Summary Report

Report Date: 08 Sep-22 11:50 (p 1 of 1)
Test Code: 22-08-018 | 10-1622-6409

Inland Silverside 96-h Acute Survival Test — Wood E&IS

Batch ID:	17-8381-4973	**Test Type:**	Survival (96h)	**Analyst:**	
Start Date:	17 Aug-22 15:10	**Protocol:**	EPA/821/R-02-012 (2002)	**Diluent:**	Natural Seawater
Ending Date:	21 Aug-22 13:35	**Species:**	Menidia beryllina	**Brine:**	Not Applicable
Duration:	94h	**Source:**	Aquatic Biosystems, CO	**Age:**	12 d

Sample ID:	13-8060-4350	**Code:**	22-W179	**Client:**	Wood Environment and Infrastructure
Sample Date:	16 Aug-22 14:15	**Material:**	Ambient Sample	**Project:**	SIYB TMDL Monitoring
Receipt Date:	16 Aug-22 18:20	**Source:**	Shelter Island Yacht Basin		
Sample Age:	25h (5.7 °C)	**Station:**	SIYB 3		

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD ✓
19-9602-7028	96h Survival Rate	Steel Many-One Rank Sum Test	100	> 100	n/a	1	11.4%
20-5013-5672	96h Survival Rate	TST-Welch's t Test	100	> 100	n/a	1	n/a

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits Lower	TAC Limits Upper	Overlap	Decision
19-9602-7028	96h Survival Rate	Control Resp	0.9667	0.9	>>	Yes	Passes Criteria
20-5013-5672	96h Survival Rate	Control Resp	0.9667	0.9	>>	Yes	Passes Criteria

96h Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	6	0.9667	0.8810	1.0000	0.8000	1.0000	0.0333	0.0817	8.45%	0.00%
25		6	0.9667	0.8810	1.0000	0.8000	1.0000	0.0333	0.0817	8.45%	0.00%
50		6	0.9667	0.8810	1.0000	0.8000	1.0000	0.0333	0.0817	8.45%	0.00%
100		6	0.9667	0.8810	1.0000	0.8000	1.0000	0.0333	0.0817	8.45%	0.00%

96h Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6
0	LC	1.0000	1.0000	1.0000	1.0000	0.8000	1.0000
25		1.0000	0.8000	1.0000	1.0000	1.0000	1.0000
50		0.8000	1.0000	1.0000	1.0000	1.0000	1.0000
100		0.8000	1.0000	1.0000	1.0000	1.0000	1.0000

CETIS Analytical Report

Report Date: 08 Sep-22 11:50 (p 1 of 2)
Test Code: 22-08-018 | 10-1622-6409

Inland Silverside 96-h Acute Survival Test — Wood E&IS

Analysis ID:	19-9602-7028	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.9.3
Analyzed:	08 Sep-22 11:50	**Analysis:**	Nonparametric-Control vs Treatments	**Official Results:**	Yes

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	11.38%

Steel Many-One Rank Sum Test

Control	vs	Conc-%	Test Stat	Critical	Ties	DF	P-Type	P-Value	Decision(α:5%)
Lab Control		25	39	26	2	10	Asymp	0.7500	Non-Significant Effect
		50	39	26	2	10	Asymp	0.7500	Non-Significant Effect
		100	39	26	2	10	Asymp	0.7500	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0	0	3	0	1.0000	Non-Significant Effect
Error	0.189026	0.0094513	20			
Total	0.189026		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	-6.56E-15	11.34	1.0000	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.4538	0.884	2.1E-08	Non-Normal Distribution

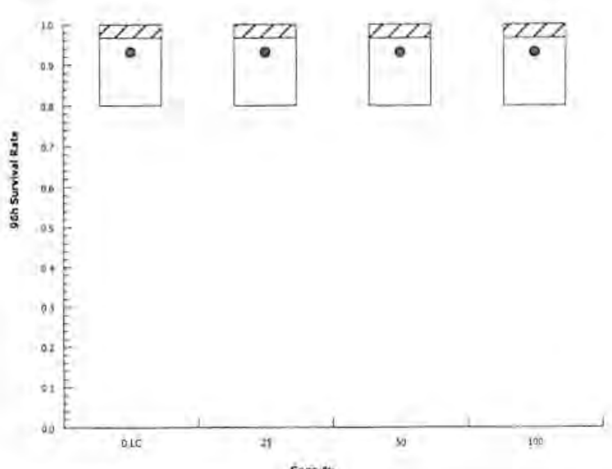
96h Survival Rate Summary

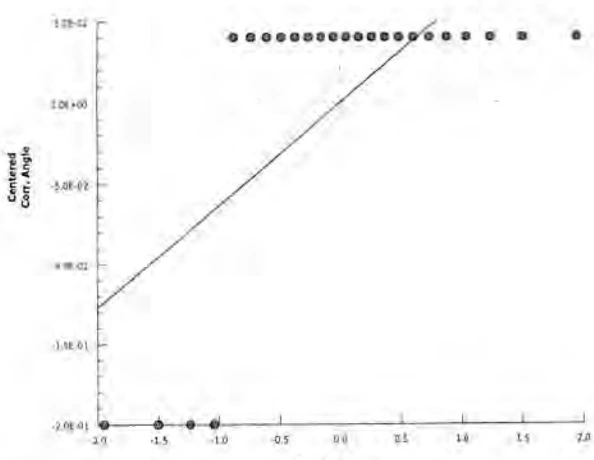
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	0.9667	0.8810	1.0000	1.0000	0.8000	1.0000	0.0333	8.45%	0.00%
25		6	0.9667	0.8810	1.0000	1.0000	0.8000	1.0000	0.0333	8.45%	0.00%
50		6	0.9667	0.8810	1.0000	1.0000	0.8000	1.0000	0.0333	8.45%	0.00%
100		6	0.9667	0.8810	1.0000	1.0000	0.8000	1.0000	0.0333	8.45%	0.00%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	1.306	1.204	1.408	1.345	1.107	1.345	0.03969	7.45%	0.00%
25		6	1.306	1.204	1.408	1.345	1.107	1.345	0.03969	7.45%	0.00%
50		6	1.306	1.204	1.408	1.345	1.107	1.345	0.03969	7.45%	0.00%
100		6	1.306	1.204	1.408	1.345	1.107	1.345	0.03969	7.45%	0.00%

Graphics





Inland Silverside 96-h Acute Survival Test — Wood E&IS

Analysis ID:	20-5013-5672	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.9.3
Analyzed:	08 Sep-22 11:50	**Analysis:**	Parametric Bioequivalence-Two Sample	**Official Results:**	Yes

Data Transform	Alt Hyp	TST_b	NOEL	LOEL	TOEL	TU
Angular (Corrected)	C*b < T	0.8	100	> 100	n/a	1

TST-Welch's t Test

Control	vs	Control II	Test Stat	Critical	DF	P-Type	P-Value	Decision(α:10%)
Lab Control		25*	5.137	1.383	9	CDF	3.1E-04	Non-Significant Effect
		50*	5.137	1.383	9	CDF	3.1E-04	Non-Significant Effect
		100*	5.137	1.383	9	CDF	3.1E-04	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0	0	3	0	1.0000	Non-Significant Effect
Error	0.189026	0.0094513	20			
Total	0.189026		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	-6.56E-15	11.34	1.0000	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.4538	0.884	2.1E-08	Non-Normal Distribution

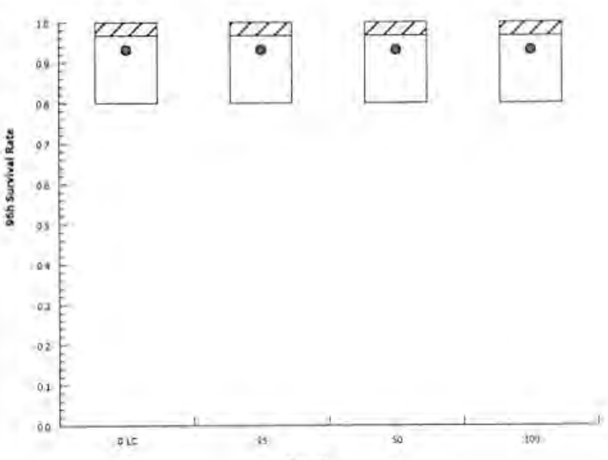
96h Survival Rate Summary

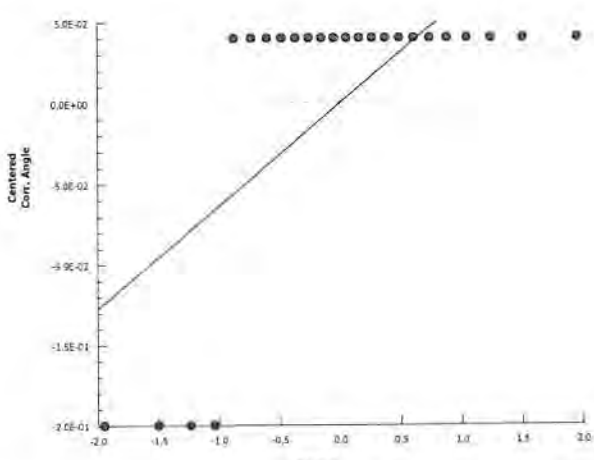
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	0.9667	0.8810	1.0000	1.0000	0.8000	1.0000	0.0333	8.45%	0.00%
25		6	0.9667	0.8810	1.0000	1.0000	0.8000	1.0000	0.0333	8.45%	0.00%
50		6	0.9667	0.8810	1.0000	1.0000	0.8000	1.0000	0.0333	8.45%	0.00%
100		6	0.9667	0.8810	1.0000	1.0000	0.8000	1.0000	0.0333	8.45%	0.00%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	1.306	1.204	1.408	1.345	1.107	1.345	0.03969	7.45%	0.00%
25		6	1.306	1.204	1.408	1.345	1.107	1.345	0.03969	7.45%	0.00%
50		6	1.306	1.204	1.408	1.345	1.107	1.345	0.03969	7.45%	0.00%
100		6	1.306	1.204	1.408	1.345	1.107	1.345	0.03969	7.45%	0.00%

Graphics





96hr Marine Acute Test with 48hr Renewal

Client: Wood: POSD - Shelter Island Yacht Basin
Sample ID: SIYB-3
Test No. 22-08-018

Test Species: *Menidia beryllina*
Start Date/Time: 8/17/22 ~~1310~~ RV 1510
End Date/Time: 8/21/22 1335

Sample ID (%)	Rep	Counts 0	24	48	72	96
LC #2	A	~~4~~ 5 SC RV	~~4~~ 5 SC	~~4~~ 5 SC	~~4~~ 5	5
	B	5	5	5	5	5
	C	5	5	5	5	5
	D	5	5	5	5	5
	E	5	5	5	5	4
	F	5	5	5	5	5
25	A	5	5	5	5	5
	B	5	5	5	5	4
	C	5	5	5	5	5
	D	5	5	5	5	5
	E	5	5	5	5	5
	F	5	5	5	5	5
50	A	5	5	5	5	4
	B	5	5	5	5	5
	C	5	5	5	5	5
	D	5	5	5	5	5
	E	5	5	5	5	5
	F	5	5	5	5	5
100	A	5	5	4 (A)	4	4
	B	5	5	5	5	5
	C	5	5	5	5	5
	D	5	5	5	5	5
	E	5	5	5	5	5
	F	5	5	5	5	5
	A					
	B					
	C					
	D					
	E					
	F					
Tech Initials:		JF	RV	JF	AG	SC

Water Quality Parameter	0	24	48f	48i	72	96
Temp. (°C)	24.4	25.3	24.9	24.1	25.4	24.3
Salinity (ppt)	33.9	34.0	34.2	34.0	34.2	34.8
pH (units)	7.88	7.78	7.82	7.72	7.76	7.84
DO (mg/L)	6.9	5.9	6.0	6.8	5.8	6.2
Temp. (°C)	25.4	25.3	24.6	24.1	25.4	24.3
Salinity (ppt)	34.0	34.3	34.5	34.1	34.3	35.2
pH (units)	7.83	7.79	7.81	7.80	7.77	7.87
DO (mg/L)	7.2	6.0	6.0	6.9	5.8	6.2
Temp. (°C)	24.8	25.2	24.9	24.1	28.5	24.6
Salinity (ppt)	33.7	34.4	34.5	34.2	34.4	35.2
pH (units)	7.84	7.80	7.83	7.80	7.77	7.89
DO (mg/L)	7.5	6.2	6.1	7.1	5.8	6.2
Temp. (°C)	24.0	25.2	24.9	24.2	25.5	24.7
Salinity (ppt)	34.2	34.4	34.5	34.4	34.6	34.9
pH (units)	7.80	7.78	7.85	7.77	7.78	7.88
DO (mg/L)	7.7	6.2	6.2	7.5	5.8	6.0
Temp. (°C)						
Salinity (ppt)						
pH (units)						
DO (mg/L)						
Tech Initials:	RV	RV	TD	JF	AG	RV

QC: RV
Date Animals Received: 8/16/22 ABS
Age of Animals at Test Start: 12d

Feedings	0	24	48	72	96
Initials (AM):	–	JF	JF	AG	RV
Initials (PM):	JF				

Comments: ~~LC#2 A only 4 organisms loaded~~ RV
(A) No body found

QC Check: RV 9/8/22

Final Review: SC 10/11/22

Wood Environmental Toxicology Lab, 4905 Morena Blvd, Ste. 1304, San Diego, CA 92117

Site: SIYB-4

Inland Silverside 96-h Acute Survival Test — Wood E&IS

Batch ID:	01-7277-5122	Test Type:	Survival (96h)	Analyst:	
Start Date:	17 Aug-22 15:10	Protocol:	EPA/821/R-02-012 (2002)	Diluent:	Natural Seawater
Ending Date:	21 Aug-22 13:45	Species:	Menidia beryllina	Brine:	Not Applicable
Duration:	95h	Source:	Aquatic Biosystems, CO	Age:	12 d

Sample ID:	11-1060-6168	Code:	22-W173	Client:	Wood Environment and Infrastructure
Sample Date:	16 Aug-22 13:10	Material:	Ambient Sample	Project:	SIYB TMDL Monitoring
Receipt Date:	16 Aug-22 15:10	Source:	Shelter Island Yacht Basin		
Sample Age:	26h (9 °C)	Station:	SIYB 4		

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD ✓
16-4494-8098	96h Survival Rate	Steel Many-One Rank Sum Test	100	> 100	n/a	1	12.7%
07-2375-5074	96h Survival Rate	TST-Welch's t Test	100	> 100	n/a	1	n/a

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits Lower	TAC Limits Upper	Overlap	Decision
07-2375-5074	96h Survival Rate	Control Resp	0.9667	0.9	>>	Yes	Passes Criteria
16-4494-8098	96h Survival Rate	Control Resp	0.9667	0.9	>>	Yes	Passes Criteria

96h Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	6	0.9667	0.8810	1.0000	0.8000	1.0000	0.0333	0.0817	8.45%	0.00%
25		6	0.9333	0.8249	1.0000	0.8000	1.0000	0.0422	0.1033	11.07%	3.45%
50		6	0.9667	0.8810	1.0000	0.8000	1.0000	0.0333	0.0817	8.45%	0.00%
100		6	0.9333	0.8249	1.0000	0.8000	1.0000	0.0422	0.1033	11.07%	3.45%

96h Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6
0	LC	1.0000	1.0000	1.0000	1.0000	0.8000	1.0000
25		1.0000	0.8000	1.0000	1.0000	1.0000	0.8000
50		1.0000	0.8000	1.0000	1.0000	1.0000	1.0000
100		0.8000	1.0000	1.0000	1.0000	1.0000	0.8000

Inland Silverside 96-h Acute Survival Test — Wood E&IS

Analysis ID:	16-4494-8098	Endpoint:	96h Survival Rate	CETIS Version:	CETISv1.9.3
Analyzed:	08 Sep-22 11:53	Analysis:	Nonparametric-Control vs Treatments	Official Results:	Yes

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	12.65%

Steel Many-One Rank Sum Test

Control	vs	Conc-%	Test Stat	Critical	Ties	DF	P-Type	P-Value	Decision(α:5%)
Lab Control		25	36	26	2	10	Asymp	0.5503	Non-Significant Effect
		50	39	26	2	10	Asymp	0.7500	Non-Significant Effect
		100	36	26	2	10	Asymp	0.5503	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0094513	0.0031504	3	0.2564	0.8559	Non-Significant Effect
Error	0.245734	0.0122867	20			
Total	0.255186		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	0.5052	11.34	0.9178	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.6873	0.884	6.9E-06	Non-Normal Distribution

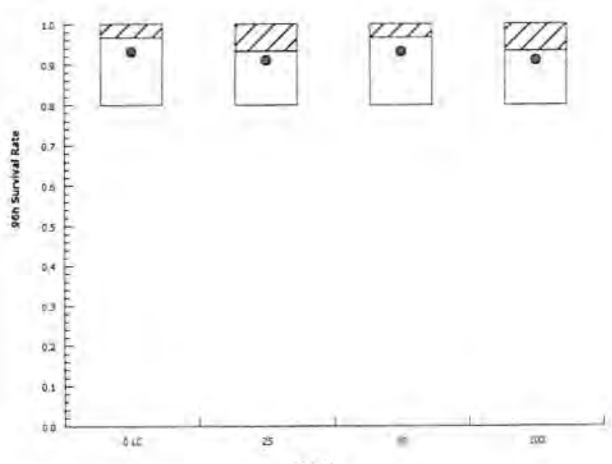
96h Survival Rate Summary

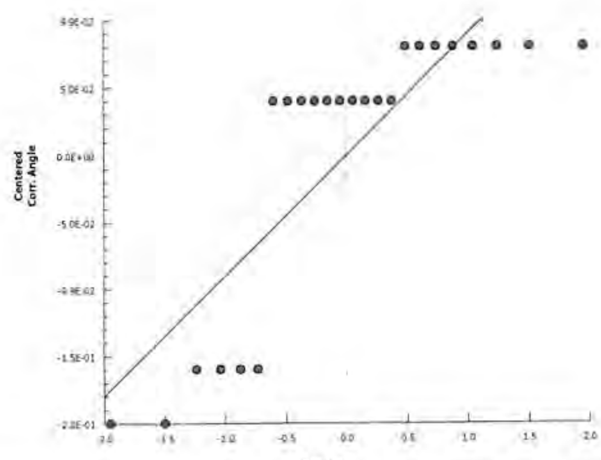
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	0.9667	0.8810	1.0000	1.0000	0.8000	1.0000	0.0333	8.45%	0.00%
25		6	0.9333	0.8249	1.0000	1.0000	0.8000	1.0000	0.0422	11.07%	3.45%
50		6	0.9667	0.8810	1.0000	1.0000	0.8000	1.0000	0.0333	8.45%	0.00%
100		6	0.9333	0.8249	1.0000	1.0000	0.8000	1.0000	0.0422	11.07%	3.45%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	1.306	1.204	1.408	1.345	1.107	1.345	0.03969	7.45%	0.00%
25		6	1.266	1.137	1.395	1.345	1.107	1.345	0.0502	9.71%	3.04%
50		6	1.306	1.204	1.408	1.345	1.107	1.345	0.03969	7.45%	0.00%
100		6	1.266	1.137	1.395	1.345	1.107	1.345	0.0502	9.71%	3.04%

Graphics





Inland Silverside 96-h Acute Survival Test — Wood E&IS

Analysis ID:	07-2375-5074	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.9.3
Analyzed:	08 Sep-22 11:53	**Analysis:**	Parametric Bioequivalence-Two Sample	**Official Results:**	Yes

Data Transform	Alt Hyp	TST_b	NOEL	LOEL	TOEL	TU
Angular (Corrected)	C*b < T	0.8	100	> 100	n/a	1

TST-Welch's t Test

Control	vs	Control II	Test Stat	Critical	DF	P-Type	P-Value	Decision(α:10%)
Lab Control		25*	3.728	1.397	8	CDF	0.0029	Non-Significant Effect
		50*	5.137	1.383	9	CDF	3.1E-04	Non-Significant Effect
		100*	3.728	1.397	8	CDF	0.0029	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0094513	0.0031504	3	0.2564	0.8559	Non-Significant Effect
Error	0.245734	0.0122867	20			
Total	0.255186		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	0.5052	11.34	0.9178	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.6873	0.884	6.9E-06	Non-Normal Distribution

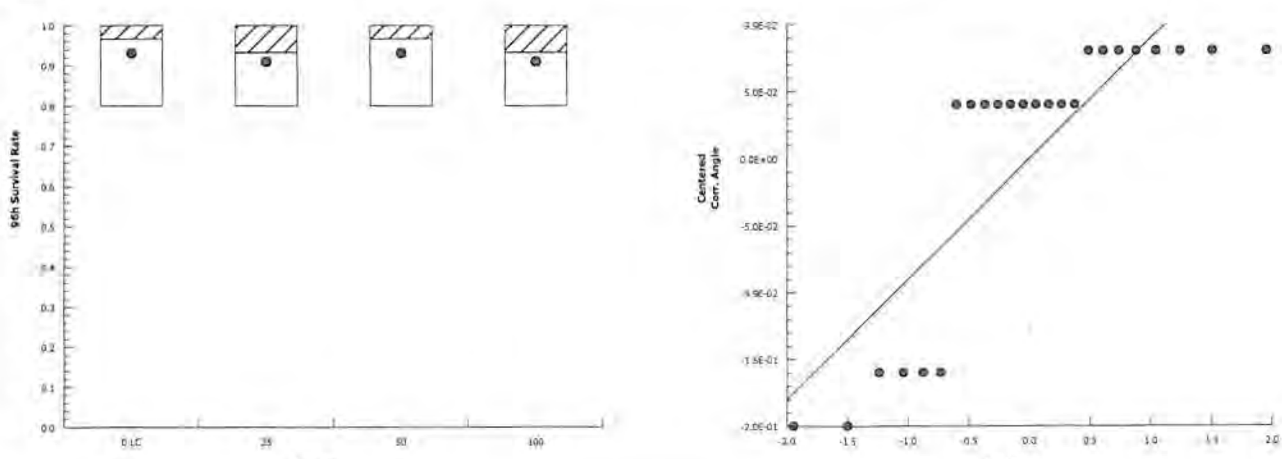
96h Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	0.9667	0.8810	1.0000	1.0000	0.8000	1.0000	0.0333	8.45%	0.00%
25		6	0.9333	0.8249	1.0000	1.0000	0.8000	1.0000	0.0422	11.07%	3.45%
50		6	0.9667	0.8810	1.0000	1.0000	0.8000	1.0000	0.0333	8.45%	0.00%
100		6	0.9333	0.8249	1.0000	1.0000	0.8000	1.0000	0.0422	11.07%	3.45%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	1.306	1.204	1.408	1.345	1.107	1.345	0.03969	7.45%	0.00%
25		6	1.266	1.137	1.395	1.345	1.107	1.345	0.0502	9.71%	3.04%
50		6	1.306	1.204	1.408	1.345	1.107	1.345	0.03969	7.45%	0.00%
100		6	1.266	1.137	1.395	1.345	1.107	1.345	0.0502	9.71%	3.04%

Graphics



96hr Marine Acute Test with 48hr Renewal

Client: Wood: POSD - Shelter Island Yacht Basin
Sample ID: SIYB-4
Test No. 22-08-019

Test Species: *Menidia beryllina*
Start Date/Time: 8/17/22 1510
End Date/Time: 8/21/22 1345

Sample ID (%)	Rep	Counts 0	24	48	72	96
LC #2	A	5	5 RV	5	5	5
	B	5	5 RV	5	5	5
	C	5	5	5	5	5
	D	5	5	5	5	5
	E	5	5	5	5	4
	F	5	5	5	5	5
25	A	5	5	5	5	5
	B	5	5	5	5	4
	C	5	5	5	5	5
	D	5	5	5	5	5
	E	5	5	5	5	5
	F	5	4	4	4	4
50	A	5	5	5	5	5
	B	5	5	5	5	4
	C	5	5	5	5	5
	D	5	5	5	5	5
	E	5	5	5	5	5
	F	5	5	5	5	5
100	A	5	4	4	4	4
	B	5	5	5	5	5
	C	5	5	5	5	5
	D	5	5	5	5	5
	E	5	5	5	5	5
	F	5	5	5	5	4
	A					
	B					
	C					
	D					
	E					
	F					
Tech Initials:		JF	RV	JF	AG	JC

Water Quality Parameter	0	24	48f	48i	72	96
Temp. (°C)	24.4	25.3	24.9	24.1	25.4 ~~34.3~~ AG	24.3
Salinity (ppt)	33.9	34.0	34.2	34.0	34.3	34.8
pH (units)	7.88	7.79	7.82	7.72	7.79	7.84
DO (mg/L)	6.9	5.9	6.0	6.8	5.8	6.2
Temp. (°C)	24.3	25.2	24.5	24.1	25.4	24.9
Salinity (ppt)	34.0	34.2	34.3	34.1	34.3	34.4
pH (units)	7.83	7.77	7.78	7.83	7.79	7.85
DO (mg/L)	7.3	6.0	6.1	7.1	~~7~~.58 AG	5.9
Temp. (°C)	24.6	25.4	24.8	24.2	25.4	25.0
Salinity (ppt)	34.1	34.3	34.4	34.0	34.3	34.5
pH (units)	7.83	7.78	7.81	7.82	7.80	7.85
DO (mg/L)	7.6	6.1	6.2	6.9	5.9	5.8
Temp. (°C)	24.2	25.4	24.9	24.2	25.5	25.1
Salinity (ppt)	34.2	34.3	34.5	34.3	34.5	34.7
pH (units)	7.80	7.78	7.83	7.79	7.80	7.87
DO (mg/L)	8.0	6.0	6.1	7.6	5.9	6.1
Temp. (°C)						
Salinity (ppt)						
pH (units)						
DO (mg/L)						
Tech Initials:	RV	RV	TD	JF	AG	RV

QC: RV
Date Animals Received: 8/16/22 ABS
Age of Animals at Test Start: 12d

Feedings	0	24	48	72	96
Initials (AM):	–	JF	JF	AG	RV
Initials (PM):	JF				

Comments:

QC Check: RV 9/8/22

Final Review: JC 10/11/22

Wood Environmental Toxicology Lab, 4905 Morena Blvd, Ste. 1304, San Diego, CA 92117

Site: SIYB-5

CETIS Summary Report

Inland Silverside 96-h Acute Survival Test — **Wood E&IS**

Batch ID:	02-7904-1000	**Test Type:**	Survival (96h)	**Analyst:**	
Start Date:	17 Aug-22 15:10	**Protocol:**	EPA/821/R-02-012 (2002)	**Diluent:**	Natural Seawater
Ending Date:	21 Aug-22 13:45	**Species:**	Menidia beryllina	**Brine:**	Not Applicable
Duration:	95h	**Source:**	Aquatic Biosystems, CO	**Age:**	12 d

Sample ID:	17-9033-5057	**Code:**	22-W174	**Client:**	Wood Environment and Infrastructure
Sample Date:	16 Aug-22 12:15	**Material:**	Ambient Sample	**Project:**	SIYB TMDL Monitoring
Receipt Date:	16 Aug-22 15:10	**Source:**	Shelter Island Yacht Basin		
Sample Age:	27h (6.3 °C)	**Station:**	SIYB 5		

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD ✓
13-8257-9729	96h Survival Rate	Steel Many-One Rank Sum Test	100	> 100	n/a	1	12.0%
19-7004-9067	96h Survival Rate	TST-Welch's t Test	100	> 100	n/a	1	n/a

Test Acceptability

				TAC Limits			
Analysis ID	**Endpoint**	**Attribute**	**Test Stat**	**Lower**	**Upper**	**Overlap**	**Decision**
13-8257-9729	96h Survival Rate	Control Resp	0.9667	0.9	>>	Yes	Passes Criteria
19-7004-9067	96h Survival Rate	Control Resp	0.9667	0.9	>>	Yes	Passes Criteria

96h Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	6	0.9667	0.8810	1.0000	0.8000	1.0000	0.0333	0.0817	8.45%	0.00%
25		6	0.9667	0.8810	1.0000	0.8000	1.0000	0.0333	0.0817	8.45%	0.00%
50		6	0.9667	0.8810	1.0000	0.8000	1.0000	0.0333	0.0817	8.45%	0.00%
100		6	0.9333	0.8249	1.0000	0.8000	1.0000	0.0422	0.1033	11.07%	3.45%

96h Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6
0	LC	1.0000	1.0000	1.0000	0.8000	1.0000	1.0000
25		1.0000	0.8000	1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	1.0000	0.8000	1.0000	1.0000
100		0.8000	1.0000	1.0000	1.0000	1.0000	0.8000

Inland Silverside 96-h Acute Survival Test — Wood E&IS

Analysis ID:	19-7004-9067	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.9.3
Analyzed:	08 Sep-22 11:55	**Analysis:**	Parametric Bioequivalence-Two Sample	**Official Results:**	Yes

Data Transform	Alt Hyp	TST_b	NOEL	LOEL	TOEL	TU
Angular (Corrected)	C*b < T	0.8	100	> 100	n/a	1

TST-Welch's t Test

Control	vs	Control II	Test Stat	Critical	DF	P-Type	P-Value	Decision(α:10%)
Lab Control		25*	5.137	1.383	9	CDF	3.1E-04	Non-Significant Effect
		50*	5.137	1.383	9	CDF	3.1E-04	Non-Significant Effect
		100*	3.728	1.397	8	CDF	0.0029	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0070885	0.0023628	3	0.2174	0.8832	Non-Significant Effect
Error	0.21738	0.010869	20			
Total	0.224469		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	0.411	11.34	0.9380	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.6264	0.884	1.2E-06	Non-Normal Distribution

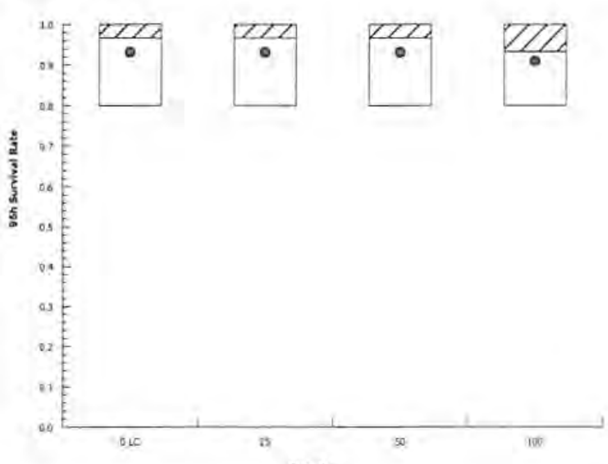
96h Survival Rate Summary

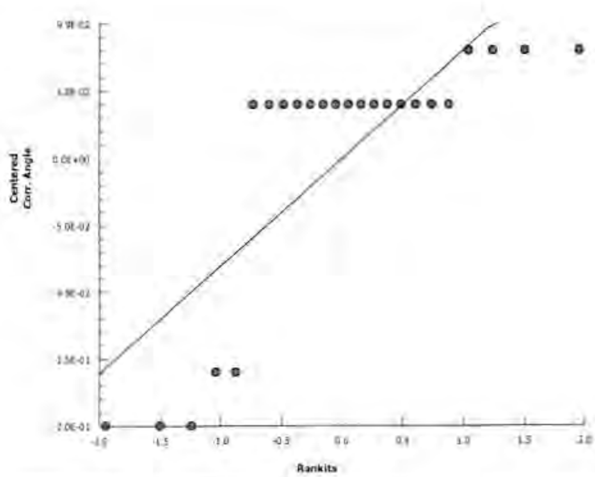
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	0.9667	0.8810	1.0000	1.0000	0.8000	1.0000	0.0333	8.45%	0.00%
25		6	0.9667	0.8810	1.0000	1.0000	0.8000	1.0000	0.0333	8.45%	0.00%
50		6	0.9667	0.8810	1.0000	1.0000	0.8000	1.0000	0.0333	8.45%	0.00%
100		6	0.9333	0.8249	1.0000	1.0000	0.8000	1.0000	0.0422	11.07%	3.45%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	1.306	1.204	1.408	1.345	1.107	1.345	0.03969	7.45%	0.00%
25		6	1.306	1.204	1.408	1.345	1.107	1.345	0.03969	7.45%	0.00%
50		6	1.306	1.204	1.408	1.345	1.107	1.345	0.03969	7.45%	0.00%
100		6	1.266	1.137	1.395	1.345	1.107	1.345	0.0502	9.71%	3.04%

Graphics





Inland Silverside 96-h Acute Survival Test — Wood E&IS

Analysis ID:	13-8257-9729	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.9.3
Analyzed:	08 Sep-22 11:55	**Analysis:**	Nonparametric-Control vs Treatments	**Official Results:**	Yes

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	12.03%

Steel Many-One Rank Sum Test

Control vs	Conc-%	Test Stat	Critical	Ties	DF	P-Type	P-Value	Decision(α:5%)
Lab Control	25	39	26	2	10	Asymp	0.7500	Non-Significant Effect
	50	39	26	2	10	Asymp	0.7500	Non-Significant Effect
	100	36	26	2	10	Asymp	0.5503	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0070885	0.0023628	3	0.2174	0.8832	Non-Significant Effect
Error	0.21738	0.010869	20			
Total	0.224469		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	0.411	11.34	0.9380	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.6264	0.884	1.2E-06	Non-Normal Distribution

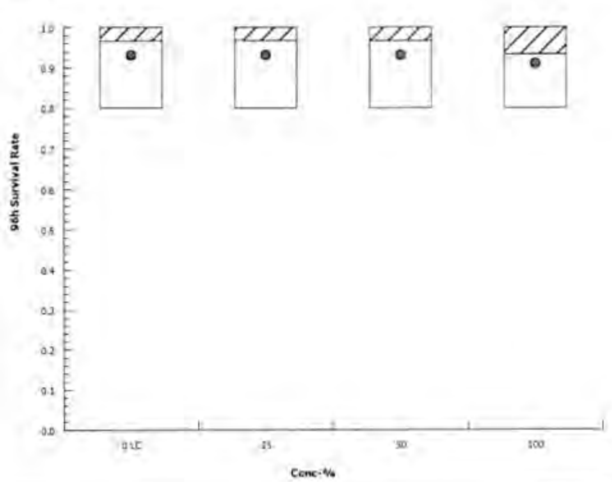
96h Survival Rate Summary

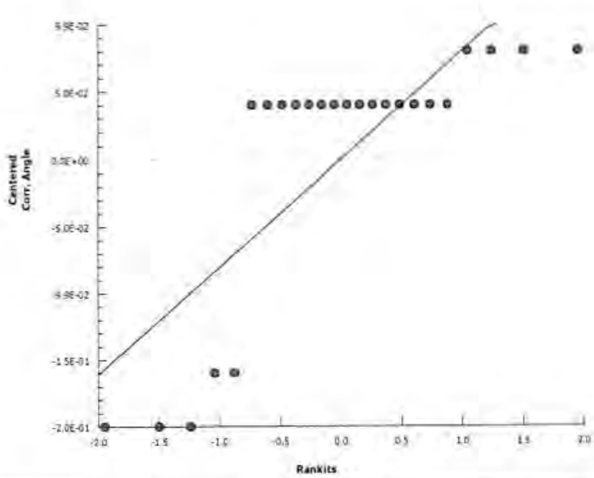
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	0.9667	0.8810	1.0000	1.0000	0.8000	1.0000	0.0333	8.45%	0.00%
25		6	0.9667	0.8810	1.0000	1.0000	0.8000	1.0000	0.0333	8.45%	0.00%
50		6	0.9667	0.8810	1.0000	1.0000	0.8000	1.0000	0.0333	8.45%	0.00%
100		6	0.9333	0.8249	1.0000	1.0000	0.8000	1.0000	0.0422	11.07%	3.45%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	1.306	1.204	1.408	1.345	1.107	1.345	0.03969	7.45%	0.00%
25		6	1.306	1.204	1.408	1.345	1.107	1.345	0.03969	7.45%	0.00%
50		6	1.306	1.204	1.408	1.345	1.107	1.345	0.03969	7.45%	0.00%
100		6	1.266	1.137	1.395	1.345	1.107	1.345	0.0502	9.71%	3.04%

Graphics





96hr Marine Acute Test with 48hr Renewal

Client: Wood: POSD - Shelter Island Yacht Basin
Sample ID: SIYB-5
Test No. 22-08-020

Test Species: *Menidia beryllina*
Start Date/Time: ~~JTF~~ 8/17/22 ~~1600~~ SC 1530
End Date/Time: 8/21/22 1345

Sample ID (%)	Rep	Counts 0	24	48	72	96
LC #3	A	5	5	5	5	5
	B	5	5	5	5	5
	C	5	5	5	5	5
	D	5	5	5	5	4
	E	5	5	5	5	5
	F	5	5	5	5	5
25	A	5	5	5	5	5
	B	5	5	5	5	4
	C	5	5	5	5	5
	D	5	5	5	5	5
	E	5	5	5	5	5
	F	5	5	5	5	5
50	A	5	5	5	5	5
	B	5	5	5	5	5
	C	5	5	5	5	5
	D	5	5	5	5	4
	E	5	5	5	5	5
	F	5	5	5	5	5
100	A	5	5	5	5	4
	B	5	5	5	5	5
	C	5	5	5	5	5
	D	5	5	5	5	5
	E	5	5	5	5	5
	F	5	5	5	5	4
	A					
	B					
	C					
	D					
	E					
	F					
	Tech Initials:	RV	RV	JF	AG	SC

Sample ID (%)	Water Quality Parameter	0	24	48f	48i	72	96
LC #3	Temp. (°C)	24.4	25.2	24.6	24.1	25.3	25.0
	Salinity (ppt)	33.9	34.0	34.2	34.0	34.3	34.4
	pH (units)	7.88	7.78	7.83	7.91	7.81	7.84
	DO (mg/L)	6.9	5.9	~~7.8~~ 6.8 TD	6.8	5.9	6.0
25	Temp. (°C)	24.4	25.2	24.8	24.1	25.3	24.9
	Salinity (ppt)	34.1	34.1	34.3	34.1	34.4	34.8
	pH (units)	7.84	7.78	7.85	7.89	7.82	7.88
	DO (mg/L)	7.2	5.9	6.0	6.9	6.0	6.1
50	Temp. (°C)	24.5	25.3	25.0	24.1	25.4	24.9
	Salinity (ppt)	34.0	34.2	34.3	34.2	34.4	34.8
	pH (units)	7.83	7.77	7.84	7.88	7.82	7.88
	DO (mg/L)	7.4	5.7	5.9	7.2	5.9	6.0
100	Temp. (°C)	25.3	25.3	24.9	24.1	25.4	24.9
	Salinity (ppt)	34.3	34.4	34.5	34.3	34.5	34.9
	pH (units)	7.79	7.77	7.84	7.83	7.84	7.84
	DO (mg/L)	7.7	6.0	6.1	7.5	5.9	5.9
	Temp. (°C)						
	Salinity (ppt)						
	pH (units)						
	DO (mg/L)						
	Tech Initials:	RV	RV	TD	JF	AG	RV

QC: JF

Date Animals Received: 8/16/22 ABS
Age of Animals at Test Start: 12d

Feedings	0	24	48	72	96
Initials (AM):	—	JF	JF	AG	RV
Initials (PM):	JF				

Comments:

QC Check: RV 9/8/22

Final Review: KC 10/11/22

Wood Environmental Toxicology Lab, 4905 Morena Blvd, Ste. 1304, San Diego, CA 92117

Site: SIYB-6

CETIS Summary Report

Report Date: 08 Sep-22 11:58 (p 1 of 1)
Test Code: 22-08-021 | 05-2042-7181

Inland Silverside 96-h Acute Survival Test — Wood E&IS

Batch ID:	06-8275-5334	**Test Type:**	Survival (96h)	**Analyst:**	
Start Date:	17 Aug-22 15:10	**Protocol:**	EPA/821/R-02-012 (2002)	**Diluent:**	Natural Seawater
Ending Date:	21 Aug-22 14:05	**Species:**	Menidia beryllina	**Brine:**	Not Applicable
Duration:	95h	**Source:**	Aquatic Biosystems, CO	**Age:**	12 d

Sample ID:	10-7963-4530	**Code:**	22-W175	**Client:**	Wood Environment and Infrastructure
Sample Date:	16 Aug-22 10:55	**Material:**	Ambient Sample	**Project:**	SIYB TMDL Monitoring
Receipt Date:	16 Aug-22 15:10	**Source:**	Shelter Island Yacht Basin		
Sample Age:	28h (5.8 °C)	**Station:**	SIYB 6		

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD ✓
16-0155-1404	96h Survival Rate	Steel Many-One Rank Sum Test	100	> 100	n/a	1	11.7%
15-5756-8699	96h Survival Rate	TST-Welch's t Test	100	> 100	n/a	1	n/a

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits Lower	TAC Limits Upper	Overlap	Decision
15-5756-8699	96h Survival Rate	Control Resp	0.9667	0.9	>>	Yes	Passes Criteria
16-0155-1404	96h Survival Rate	Control Resp	0.9667	0.9	>>	Yes	Passes Criteria

96h Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	6	0.9667	0.8810	1.0000	0.8000	1.0000	0.0333	0.0817	8.45%	0.00%
25		6	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	-3.45%
50		6	0.9333	0.8249	1.0000	0.8000	1.0000	0.0422	0.1033	11.07%	3.45%
100		6	0.9333	0.8249	1.0000	0.8000	1.0000	0.0422	0.1033	11.07%	3.45%

96h Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6
0	LC	1.0000	1.0000	1.0000	0.8000	1.0000	1.0000
25		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	0.8000	0.8000	1.0000	1.0000
100		1.0000	1.0000	1.0000	1.0000	0.8000	0.8000

CETIS Analytical Report

Report Date:	08 Sep-22 11:58 (p 1 of 2)
Test Code:	22-08-021 | 05-2042-7181

Inland Silverside 96-h Acute Survival Test — Wood E&IS

Analysis ID:	16-0155-1404	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.9.3
Analyzed:	08 Sep-22 11:58	**Analysis:**	Nonparametric-Control vs Treatments	**Official Results:**	Yes

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	11.68%

Steel Many-One Rank Sum Test

Control vs	Conc-%	Test Stat	Critical	Ties	DF	P-Type	P-Value	Decision(α:5%)
Lab Control	25	42	26	1	10	Asymp	0.8900	Non-Significant Effect
	50	36	26	2	10	Asymp	0.5503	Non-Significant Effect
	100	36	26	2	10	Asymp	0.5503	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0248535	0.0082845	3	0.8203	0.4979	Non-Significant Effect
Error	0.201975	0.0100988	20			
Total	0.226829		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Levene Equality of Variance Test	7.954	4.938	0.0011	Unequal Variances
Variances	Mod Levene Equality of Variance Test	0.9278	4.938	0.4455	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.7841	0.884	1.6E-04	Non-Normal Distribution

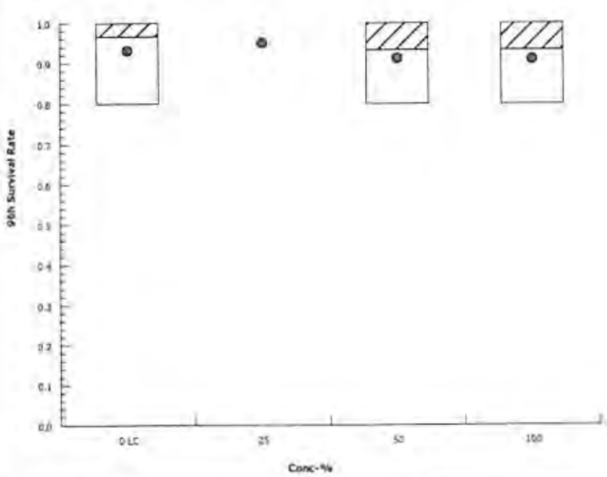
96h Survival Rate Summary

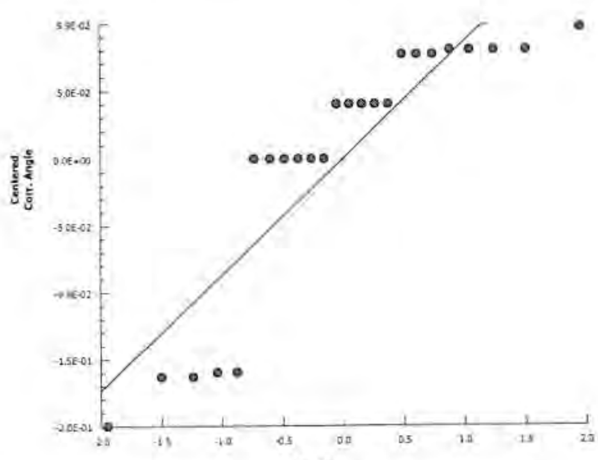
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	0.9667	0.8810	1.0000	1.0000	0.8000	1.0000	0.0333	8.45%	0.00%
25		6	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	-3.45%
50		6	0.9333	0.8249	1.0000	1.0000	0.8000	1.0000	0.0422	11.07%	3.45%
100		6	0.9333	0.8249	1.0000	1.0000	0.8000	1.0000	0.0422	11.07%	3.45%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	1.306	1.204	1.408	1.345	1.107	1.345	0.03969	7.45%	0.00%
25		6	1.345	1.345	1.345	1.345	1.345	1.345	0	0.00%	-3.04%
50		6	1.269	1.137	1.401	1.345	1.107	1.365	0.05135	9.91%	2.79%
100		6	1.266	1.137	1.395	1.345	1.107	1.345	0.0502	9.71%	3.04%

Graphics





Inland Silverside 96-h Acute Survival Test — Wood E&IS

Analysis ID:	15-5756-8699	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.9.3
Analyzed:	08 Sep-22 11:58	**Analysis:**	Parametric Bioequivalence-Two Sample	**Official Results:**	Yes

Data Transform	Alt Hyp	TST_b	NOEL	LOEL	TOEL	TU
Angular (Corrected)	C*b < T	0.8	100	> 100	n/a	1

TST-Welch's t Test

Control	vs	Control II	Test Stat	Critical	DF	P-Type	P-Value	Decision(α:10%)
Lab Control		25*	9.474	1.476	5	CDF	1.1E-04	Non-Significant Effect
		50*	3.723	1.397	8	CDF	0.0029	Non-Significant Effect
		100*	3.728	1.397	8	CDF	0.0029	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0248535	0.0082845	3	0.8203	0.4979	Non-Significant Effect
Error	0.201975	0.0100988	20			
Total	0.226829		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Levene Equality of Variance Test	7.954	4.938	0.0011	Unequal Variances
Variances	Mod Levene Equality of Variance Test	0.9278	4.938	0.4455	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.7841	0.884	1.6E-04	Non-Normal Distribution

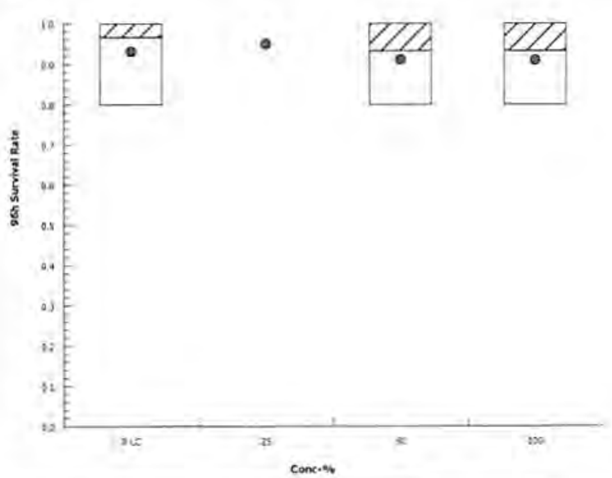
96h Survival Rate Summary

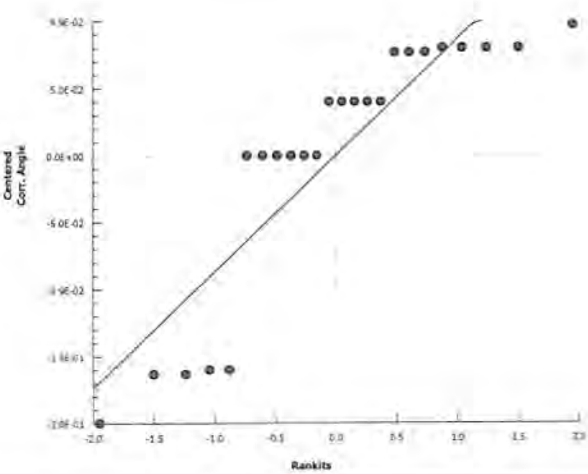
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	0.9667	0.8810	1.0000	1.0000	0.8000	1.0000	0.0333	8.45%	0.00%
25		6	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	-3.45%
50		6	0.9333	0.8249	1.0000	1.0000	0.8000	1.0000	0.0422	11.07%	3.45%
100		6	0.9333	0.8249	1.0000	1.0000	0.8000	1.0000	0.0422	11.07%	3.45%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	1.306	1.204	1.408	1.345	1.107	1.345	0.03969	7.45%	0.00%
25		6	1.345	1.345	1.345	1.345	1.345	1.345	0	0.00%	-3.04%
50		6	1.269	1.137	1.401	1.345	1.107	1.365	0.05135	9.91%	2.79%
100		6	1.266	1.137	1.395	1.345	1.107	1.345	0.0502	9.71%	3.04%

Graphics





96hr Marine Acute Test with 48hr Renewal

Client: Wood: POSD - Shelter Island Yacht Basin
Sample ID: SIYB-6
Test No. 22-08-021

Test Species: *Menidia beryllina*
Start Date/Time: 8/17/22 ~~1310~~ 1510 RV
End Date/Time: 8/21/22 1405

Sample ID (%)	Rep	Counts 0	24	48	72	96
LC #3	A	5	5	5	5	5
	B	5	5	5	5	5
	C	5	5	5	5	5
	D	5	5	5	5	4
	E	5	5	5	5	5
	F	5	5	5	5	5
25	A	5	5	5	5	5
	B	5	5	5	5	5
	C	5	5	5	5	5
	D	5	5	5	5	5
	E	5	5	5	5	5
	F	5	5	5	5	5
50	A	5	5	5	5	5
	B	5	5	5	5	5
	C	5	5	5	5	4
	D	5	5	5	5	4
	E	5	5	5	5	5
	F	6 ~~5~~ RV	6	6	6	6
100	A	5	5	5	5	5
	B	5	5	5	5	5
	C	5	5	5	5	5
	D	5	5	5	5	5
	E	5	5	5	5	4
	F	5	5	5	5	4
	A					
	B					
	C					
	D					
	E					
	F					
	Tech Initials:	RV	RV	JF	AG	SC

Sample ID (%)	Water Quality Parameter	0	24	48f	48i	72	96
LC #3	Temp. (°C)	24.4	25.2	24.6	24.1	~~24~~ 25.3	~~24.8~~ 25.0 RV
	Salinity (ppt)	33.9	34.0	34.2	34.0	34.2	~~34.8~~ 34.4 RV
	pH (units)	7.88	7.78	7.83	7.91	7.79	~~7.84~~ 7.86 RV
	DO (mg/L)	6.9	5.9	6.0	6.8	5.8	~~6.0~~ 6.0 RV
25	Temp. (°C)	24.1	25.2	24.7	24.1	25.3	24.8
	Salinity (ppt)	33.9	34.1	34.3	34.1	34.3	34.8
	pH (units)	7.91	7.78	7.85	7.86	7.80	7.84
	DO (mg/L)	7.2	6.1	6.1	7.0	5.9	6.0
50	Temp. (°C)	24.1	25.3	24.7	24.1	25.3	24.9
	Salinity (ppt)	33.9	34.1	34.4	34.3	34.5	35.0
	pH (units)	7.90	7.79	7.86	7.85	7.80	7.86
	DO (mg/L)	7.4	6.1	6.2	7.2	5.9	6.0
100	Temp. (°C)	24.3	25.3	24.8	24.1	25.3	24.9
	Salinity (ppt)	34.3	34.4	34.6	34.4	34.6	35.0
	pH (units)	7.80	7.77	7.82	7.81	7.80	7.82
	DO (mg/L)	7.8	5.7	5.9	7.6	5.8	6.0
	Temp. (°C)						
	Salinity (ppt)						
	pH (units)						
	DO (mg/L)						
	Tech Initials:	RV	RV	TD	TP	AG	RV

QC: JF
Date Animals Received: 8/16/22 AGS
Age of Animals at Test Start: 12d

Feedings	0	24	48	72	96
Initials (AM):	—	JF	JF	AG	RV
Initials (PM):	JF				

Comments: 50F 6 organisms loaded

QC Check: RV 9/8/22

Final Review: JC 10/11/22

Site: SIYB-REF-1

CETIS Summary Report

Report Date: 08 Sep-22 12:00 (p 1 of 1)
Test Code: 22-08-022 | 10-1951-4184

Inland Silverside 96-h Acute Survival Test — Wood E&IS

Batch ID:	14-8807-0445	**Test Type:**	Survival (96h)	**Analyst:**	
Start Date:	17 Aug-22 15:10	**Protocol:**	EPA/821/R-02-012 (2002)	**Diluent:**	Natural Seawater
Ending Date:	21 Aug-22 14:10	**Species:**	Menidia beryllina	**Brine:**	Not Applicable
Duration:	95h	**Source:**	Aquatic Biosystems, CO	**Age:**	12 d

Sample ID:	06-3657-8083	**Code:**	22-W176	**Client:**	Wood Environment and Infrastructure
Sample Date:	16 Aug-22 09:55	**Material:**	Ambient Sample	**Project:**	SIYB TMDL Monitoring
Receipt Date:	16 Aug-22 15:10	**Source:**	Shelter Island Yacht Basin		
Sample Age:	29h (4.3 °C)	**Station:**	SIYB REF1		

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD ✓
17-8793-9458	96h Survival Rate	Steel Many-One Rank Sum Test	100	> 100	n/a	1	9.95%
05-3910-7277	96h Survival Rate	TST-Welch's t Test	100	> 100	n/a	1	n/a

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits Lower	TAC Limits Upper	Overlap	Decision
05-3910-7277	96h Survival Rate	Control Resp	0.9667	0.9	>>	Yes	Passes Criteria
17-8793-9458	96h Survival Rate	Control Resp	0.9667	0.9	>>	Yes	Passes Criteria

96h Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	6	0.9667	0.8810	1.0000	0.8000	1.0000	0.0333	0.0817	8.45%	0.00%
25		6	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	-3.45%
50		6	0.9000	0.7850	1.0000	0.8000	1.0000	0.0447	0.1095	12.17%	6.90%
100		6	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	-3.45%

96h Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6
0	LC	1.0000	1.0000	1.0000	0.8000	1.0000	1.0000
25		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
50		0.8000	1.0000	0.8000	0.8000	1.0000	1.0000
100		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

Analyst: RW QA: LC 10/11/22

Inland Silverside 96-h Acute Survival Test			Wood E&IS
Analysis ID: 17-8793-9458	Endpoint: 96h Survival Rate	CETIS Version: CETISv1.9.3	
Analyzed: 08 Sep-22 12:00	Analysis: Nonparametric-Control vs Treatments	Official Results: Yes	

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	> 100	n/a	1	9.95%

Steel Many-One Rank Sum Test

Control	vs	Conc-%	Test Stat	Critical	Ties	DF	P-Type	P-Value	Decision(α:5%)
Lab Control		25	42	26	1	10	Asymp	0.8900	Non-Significant Effect
		50	33	26	2	10	Asymp	0.3382	Non-Significant Effect
		100	42	26	1	10	Asymp	0.8900	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0567079	0.0189026	3	2.857	0.0628	Non-Significant Effect
Error	0.132318	0.0066159	20			
Total	0.189026		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Levene Equality of Variance Test	19	4.938	4.5E-06	Unequal Variances
Variances	Mod Levene Equality of Variance Test	8	4.938	0.0011	Unequal Variances
Distribution	Shapiro-Wilk W Normality Test	0.8403	0.884	0.0015	Non-Normal Distribution

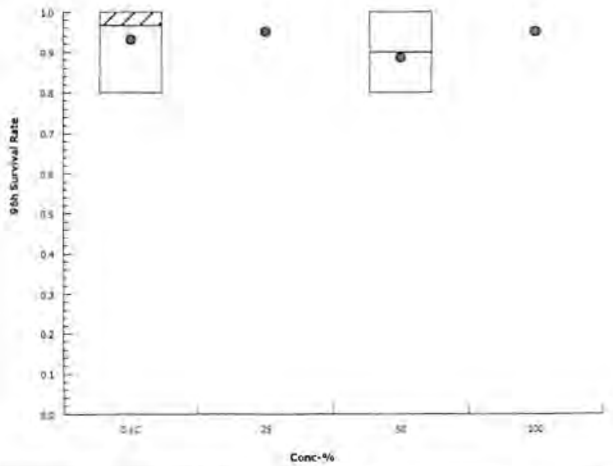
96h Survival Rate Summary

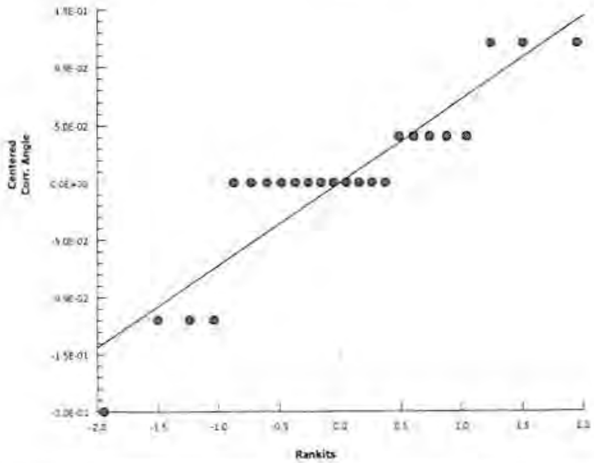
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	0.9667	0.8810	1.0000	1.0000	0.8000	1.0000	0.0333	8.45%	0.00%
25		6	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	-3.45%
50		6	0.9000	0.7850	1.0000	0.9000	0.8000	1.0000	0.0447	12.17%	6.90%
100		6	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	-3.45%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	1.306	1.204	1.408	1.345	1.107	1.345	0.03969	7.45%	0.00%
25		6	1.345	1.345	1.345	1.345	1.345	1.345	0	0.00%	-3.04%
50		6	1.226	1.089	1.363	1.226	1.107	1.345	0.05325	10.64%	6.08%
100		6	1.345	1.345	1.345	1.345	1.345	1.345	0	0.00%	-3.04%

Graphics





Inland Silverside 96-h Acute Survival Test — Wood E&IS

Analysis ID:	05-3910-7277	Endpoint:	96h Survival Rate	CETIS Version:	CETISv1.9.3
Analyzed:	08 Sep-22 12:00	Analysis:	Parametric Bioequivalence-Two Sample	Official Results:	Yes

Data Transform	Alt Hyp	TST_b	NOEL	LOEL	TOEL	TU
Angular (Corrected)	C*b < T	0.8	100	> 100	n/a	1

TST-Welch's t Test

Control	vs	Control II	Test Stat	Critical	DF	P-Type	P-Value	Decision(α:10%)
Lab Control		25*	9.474	1.476	5	CDF	1.1E-04	Non-Significant Effect
		50*	2.931	1.397	8	CDF	0.0095	Non-Significant Effect
		100*	9.474	1.476	5	CDF	1.1E-04	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.0567079	0.0189026	3	2.857	0.0628	Non-Significant Effect
Error	0.132318	0.0066159	20			
Total	0.189026		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Levene Equality of Variance Test	19	4.938	4.5E-06	Unequal Variances
Variances	Mod Levene Equality of Variance Test	8	4.938	0.0011	Unequal Variances
Distribution	Shapiro-Wilk W Normality Test	0.8403	0.884	0.0015	Non-Normal Distribution

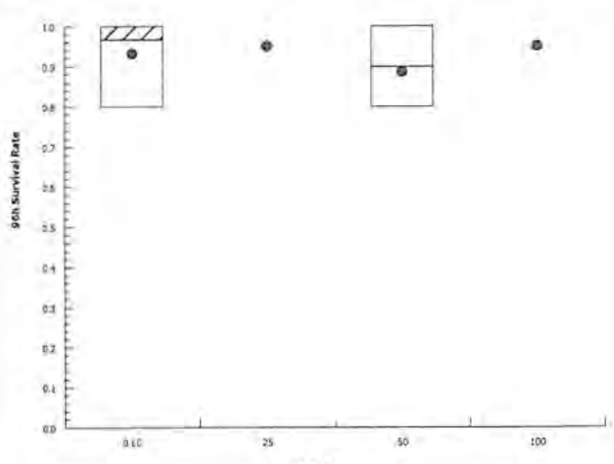
96h Survival Rate Summary

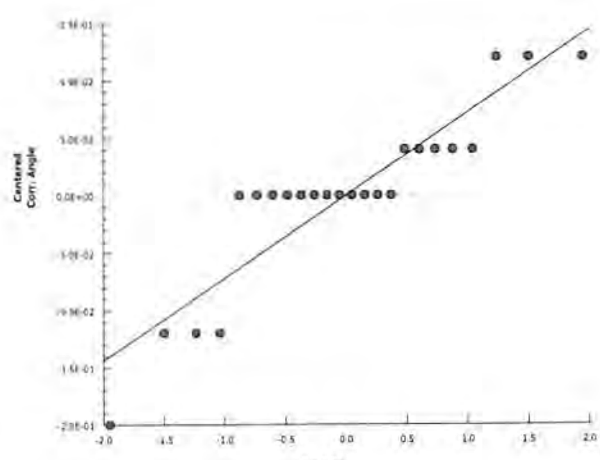
Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	0.9667	0.8810	1.0000	1.0000	0.8000	1.0000	0.0333	8.45%	0.00%
25		6	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	-3.45%
50		6	0.9000	0.7850	1.0000	0.9000	0.8000	1.0000	0.0447	12.17%	6.90%
100		6	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	-3.45%

Angular (Corrected) Transformed Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	6	1.306	1.204	1.408	1.345	1.107	1.345	0.03969	7.45%	0.00%
25		6	1.345	1.345	1.345	1.345	1.345	1.345	0	0.00%	-3.04%
50		6	1.226	1.089	1.363	1.226	1.107	1.345	0.05325	10.64%	6.08%
100		6	1.345	1.345	1.345	1.345	1.345	1.345	0	0.00%	-3.04%

Graphics





96hr Marine Acute Test with 48hr Renewal

Client: Wood: POSD - Shelter Island Yacht Basin
Sample ID: SIYB-REF-1
Test No. 22-08-022

Test Species: *Menidia beryllina* RV
Start Date/Time: 8/17/22 ~~1310~~ 1510
End Date/Time: 8/21/22 1410

Sample ID (%)	Rep	Counts 0	24	48	72	96
LC #3	A	5	5	5	5	5
	B	5	5	5	5	5
	C	5	5	5	5	5
	D	5	5	5	5	4
	E	5	5	5	5	5
	F	5	5	5	5	5
25	A	5	5	5	5	5
	B	5	5	5	5	5
	C	5	5	5	5	5
	D	5	5	5	5	5
	E	5	5	5	5	5
	F	5	5	5	5	5
50	A	5	5	5	5	4
	B	5	5	5	5	5
	C	5	5	5	5	4
	D	5	5	5	5	4
	E	5	5	5	5	5
	F	5	5	5	5	5
100	A	5	5	5	5	5
	B	5	5	5	5	5
	C	5	5	5	5	5
	D	5	5	5	5	5
	E	5	5	5	5	5
	F	5	5	5	5	5
	A					
	B					
	C					
	D					
	E					
	F					
	Tech Initials:	RV	RV	JF	AG	SC

Sample ID (%)	Water Quality Parameter	0	24	48f	48i	72	96
LC #3	Temp. (°C)	24.4	25.2	24.6	24.1	25.4	~~24.9~~ RV 25.0
	Salinity (ppt)	33.9	34.0	34.2	34.0	34.2	~~34.6~~ RV 34.4
	pH (units)	7.88	7.78	7.83	7.91	7.80	~~7.83~~ RV 7.86
	DO (mg/L)	6.9	5.9	6.0	6.8	6.0	~~6.0~~ RV 6.0
25	Temp. (°C)	25.3	25.5	24.9	24.3	25.4	24.9
	Salinity (ppt)	33.9	34.0	34.0	34.2	34.4	34.6
	pH (units)	7.87	7.79	~~7.87~~ TD 7.85	7.85	7.80	7.83
	DO (mg/L)	7.3	5.9	5.9	6.9	5.9	6.0
50	Temp. (°C)	25.1	25.4	24.9	24.4	25.5	25.0
	Salinity (ppt)	34.0	34.1	34.2	34.3	34.4	34.7
	pH (units)	7.90	7.80	7.86	7.85	7.81	7.86
	DO (mg/L)	7.5	6.0	6.2	7.0	5.9	6.0
100	Temp. (°C)	25.0	25.4	24.9	24.4	25.5	24.9
	Salinity (ppt)	34.0	34.3	34.5	34.4	34.5	34.8
	pH (units)	7.86	7.78	7.84	7.82	7.81	7.85
	DO (mg/L)	7.9	5.9	6.1	7.4	5.9	5.9
	Temp. (°C)						
	Salinity (ppt)						
	pH (units)						
	DO (mg/L)						
	Tech Initials:	RV	RV	TD	JF	AG	RN

QC: JF
Date Animals Received: 8/16/22 ABS
Age of Animals at Test Start: 12d

Feedings	0	24	48	72	96
Initials (AM):	–	JF	JF	AG	RN
Initials (PM):	JF				

Comments:

QC Check: RV 9/8/22

Final Review: JL 10/11/22

Wood Environmental Toxicology Lab, 4905 Morena Blvd, Ste. 1304, San Diego, CA 92117

Aquatic Toxicology Laboratory
Test Organism Tracking & Acclimation

wood.

Client: POSD - SIYB
Project: TMDL Summer Monitoring

Test Organism: M. beryllina (Silverside)
Test Date: 8-17-22

Procedures & Details	Information	Technician Initials
Date organisms ordered or reserved	8/10/22 ABS	SC
Test organism	Menidia beryllina (inland Silverside)	
Test organism source	ABS	
Number needed for testing (plus % extra)	800-900	
Number ordered (including extra)	1050 (+10% extra)	
Loading rate of shipment	3 bowls of 350+ each	
Date & Age of organisms upon receipt	8/16/22 11days	
Date & Age at test initiation	8/17/22 12 days	
Loading rate of holding period	350+ fish per 6-7 Liters of SeaH2O	
Average WQ parameters upon receipt	pH=6.90 / DO=11.5 / Temp=24.5 / Salinity=31ppt	
Targeted WQ parameters during acclimation	pH~7.5 / DO~7-8 / Temp=25 / Salinity=32-34ppt	
Daily Mortality and Observations:		
Day 0 (receipt): No. of Mortality	24	SC
Day 0 (receipt): Observations	Look good	SC
Day 1: No. of Mortality	A: 19 B: 9 C: ~~8~~ 20	RV
Day 1: Observations	good	RV
Day 2: No. of Mortality		
Day 2: Observations		
Day 3: No. of Mortality		
Day 3: Observations		
Day 4: No. of Mortality		
Day 4: Observations		
Day 5: No. of Mortality		
Day 5: Observations		

Notes on Mortality:

1. It is common to see up to 10% mortality with fish during the first 48-hours of acclimation - due to shipping stress, fish that do not feed, or fish that are weak or unhealthy.
2. However, a batch of fish or test organisms will not be used for testing if there is > 10% mortality during the final 48-hours of acclimation and test initiations.

Other Notes:

APPENDIX D

List of Data Qualifier Codes

Test Qualifier Codes

QC1: Temperatures out of recommended range; corrective action taken

QC2: Temperatures out of recommended range; no action taken, test terminated

QC3: Test initiated on aeration due to anticipated drop in dissolved oxygen

QC4: Dissolved oxygen percent saturation <110

QC5: Survival counts not recorded due to poor visibility

QC6: Inadequate sample volume remaining; 50% renewal performed

QC7: Inadequate sample volume remaining; no renewal performed

APPENDIX E

Sample Receipt Information

& Chain of Custody Form

Sample Check-In: Effluent/Water

Wood Aquatic Toxicology Laboratory
4905 Morena Blvd, Ste. 1304
San Diego, CA 92117

Client: SIYB - POSD
Project Name: 2022 SIYB TMDL Monitoring (Summer)
Test ID Numbers: 22-08-009 to 22-08-029

Sample ID:	SIYB-1	SIYB-2	SIYB-3	SIYB-4	SIYB-5	SIYB-6	SIYB-REF	
Sample Number:	22-W177	22-W178	22-W179	22-W173	22-W174	22-W175	22-W176	
Collection Date/Time:	8/16/22 1550	8/16/22 1500	8/16/22 1415	8/16/22 1310	8/16/22 1215	8/16/22 1055	8/16/22 0955	
Receipt Date/Time:	8/16/22 1820	8/16/22 1820	8/16/22 1820	8/16/22 1510	8/16/22 1510	8/16/22 1510	8/16/22 1510	
Total Sample Volume (L):	30L	20L	20L	20L	20L	20L	20L	
Receipt Temp (°C):	14.4	6.5	5.7	9.0	6.3	5.8	4.3	
Appropriate Temp (Y/N)[1]:	Y	Y	Y	Y	Y	Y	Y	
pH (units):	7.52	7.75	7.81	7.56	7.61	7.63	7.65	
DO (mg/L):	7.6	7.7	7.8	7.3	7.2	7.1	7.3	
Conductivity (µS/cm)[2]:	—	—	—	—	—	—	—	
Salinity (ppt):	33.7	34.2	34.2	34.2	34.2	34.1	34.2	
Alkalinity (mg/L):	116	113	113	115 trv	114 trv	119 trv	118	
Hardness (mg/L)[2]:	—	—	—	—	—	—	—	
Total Chlorine (mg/L)[3]:	<0.02	<0.02	<0.02	<0.02	<0.02	0.04	<0.02	
Free Chlorine (mg/L)[3]:	—	—	—	—	—	—	—	
Technician Initials:	SC/AG	SC/AG	SC/AG	RV	RV	RV	RV	

Notes:

[1] Temperature should be 0 - 6°C if received > 24 hours past collection
[2] Only measured on samples with less than 3 ppt salinity
[3] If total chlorine is above 0.10 mg/L, the free chlorine will be measured
[4] Debris, odor, and color is described only if observed in the sample

Sample Descriptions[4]:
4-REF: Clear + Colorless
SIYB-1,2,3: Clear + Colorless

Test Organism: Mussels, Topsmelt, Silversides
Dilution Water: Nat-SW, Art-SW, RW, DMW, Other___ Salinity 34 ppt
Additional Control: ___ Salinity ___

Initial QC: RV 9/8/22
Final Review: BCS 10/10/22

wood.

Wood Aquatic Toxicology Lab
4905 Morena Blvd, Ste. 1304
San Diego, CA 92117
Phone: (858) 299-5368

Chain of Custody Form

Client/Send Report To:

Company: Wood E & I Solutions, Inc.
Address: 9177 Sky Park Court
San Diego, CA 92123
Contact/PM: Marisa Swiderski
Phone Number: (858) 300-4324
Email Address: marisa.swiderski@woodplc.com

Project Information (if needed):

Project Name: 2022 SIYB TMDL Summer Monitoring
Project No.: 2015100118.0002A
PO Number: N/A

Personal Cooler Shipped:
Return Requested: YES____ NO____.

Sample ID	Collection Date	Collection Time	Sample Volume	Sample Type: Grab/Comp.	Sample Number (for lab use)	Aa-a	Mb-a	Mg-dv	Mg-dv Phase I TIE				Receipt Temp (°C)
SIYB-1	8/16/2022	1550	30L	Grab		X	X	X	X				
SIYB-2	8/16/2022	1500	20L	Grab		X	X	X					
SIYB-3	8/16/2022	1415	20L	Grab		X	X	X					
mf ~~SIYB-4~~	~~8/16/2022~~		~~20L~~	~~Grab~~		~~X~~	~~X~~	~~X~~					
mf ~~SIYB-5~~	~~8/16/2022~~		~~20L~~	~~Grab~~		~~X~~	~~X~~	~~X~~					
mf ~~SIYB-6~~	~~8/16/2022~~		~~20L~~	~~Grab~~		~~X~~	~~X~~	~~X~~					
mf ~~SIYB-REF-1~~	~~8/16/2022~~		~~20L~~	~~Grab~~		~~X~~	~~X~~	~~X~~					

Samples Collected By: MS/KB

Additional Comments: Concurrent ref. tox. test for all species (copper concentrations of 0, 25, 50, 100, 200, 400 ug/L for topsmelt/silverside and 0, 2.5, 5.0, 10, 20 and 40 µg/L for bivalve). Topsmelt/silverside tests at 3 concentrations (25, 50, 100%) and a control; 6 reps/sample. Bivalve tests at 5 concentrations (6.25, 12.5, 25, 50, and 100%), and a control; and a 100% filtered undiluted sample (Look for Noctiluca sp.); 5 reps/sample.

Samples Shipped via:

Condition Upon Receipt:

Relinquished/Shipped By:	Received By:	Relinquished By:	Received By:
Signature: [signature]	Signature: [signature]	Signature:	Signature:
Print Name: Rolf Schottle	Print Name: Alexi Gabriel	Print Name:	Print Name:
Date/Time: 8/16/22 1820	Date/Time: 8/16/22 / 1820	Date/Time:	Date/Time:

Test Codes (marine):

Mp-c: Chronic Kelp
Hr-dv: Chronic Abalone
Aa-a: Acute Topsmelt
Aa-c: Chronic Topsmelt
Mb-a: Acute Menidia/Silverside
Mb-c: Chronic Menidia/Silverside
Ab-a: Acute Mysid Shrimp
Ab-c: Chronic Mysid Shrimp
Sp-c: Chronic Urchin Fertilization
Sp-dv: Chronic Urchin Development
Mg-dv: Chronic Mussel Development
Other: Write out the test organism

Test Codes (freshwater):

Cd-a: Acute Ceriodaphnia
Cd-c: Chronic Ceriodaphnia
Pp-a: Acute Fathead Minnow
Pp-c: Chronic Fathead Minno
Sc-c: Chronic Green Algae
Ha-a: Acute Hyalella amphipod
Ha-c: Chronic Hyalella amphipod
T-22: CA Title 22 Hazardous Waste

wood.

Wood Aquatic Toxicology Lab
4905 Morena Blvd, Ste. 1304
San Diego, CA 92117
Phone: (858) 299-5368

Chain of Custody Form

Client/Send Report To:

Company: Wood E & I Solutions, Inc.
Address: 9177 Sky Park Court
San Diego, CA 92123
Contact/PM: Marisa Swiderski
Phone Number: (858) 300-4324
Email Address: marisa.swiderski@woodplc.com

Project Information (if needed):

Project Name: 2022 SIYB TMDL Summer Monitoring
Project No.: 2015100118.0002A
PO Number: N/A

Personal Cooler Shipped:
Return Requested: YES____ NO____.

Analysis Requested (write out or use codes below)

Sample ID	Collection Date	Collection Time	Sample Volume	Sample Type: Grab/Comp.	Sample Number (for lab use)	Aa-a	Mb-a	Mg-dv	Mg-dv Phase I TIE				Receipt Temp (°C)
MS ~~SIYB-1~~	~~8/16/2022~~		~~30L~~	~~Grab~~		~~X~~	~~X~~	~~X~~	~~X~~				
MS ~~SIYB-2~~	~~8/16/2022~~		~~20L~~	~~Grab~~		~~X~~	~~X~~	~~X~~					
MS ~~SIYB-3~~	~~8/16/2022~~		~~20L~~	~~Grab~~		~~X~~	~~X~~	~~X~~					
SIYB-4	8/16/2022	1310	20L	Grab		X	X	X					
SIYB-5	8/16/2022	1215	20L	Grab		X	X	X					
SIYB-6	8/16/2022	1055	20L	Grab		X	X	X					
SIYB-REF-1	8/16/2022	0955	20L	Grab		X	X	X					

Samples Collected By:
MS/KB

Additional Comments: Concurrent ref. tox. test for all species (copper concentrations of 0, 25, 50, 100, 200, 400 ug/L for topsmelt/silverside and 0, 2.5, 5.0, 10, 20 and 40 µg/L for bivalve).
Topsmelt/silverside tests at 3 concentrations (25, 50, 100%) and a control; 6 reps/sample.
Bivalve tests at 5 concentrations (6.25, 12.5, 25, 50, and 100%), and a control; and a 100% filtered undiluted sample (Look for Noctiluca sp.); 5 reps/sample.

Samples Shipped via:

Condition Upon Receipt:

Relinquished/Shipped By:	Received By:	Relinquished By:	Received By:
Signature: Marisa Swiderski	Signature: Chris Strand	Signature: Chris Strand	Signature: Riley von Richter
Print Name: Marisa Swiderski	Print Name: Chris Stransky	Print Name: Chris Stransky	Print Name: Riley von Richter
Date/Time: 8/16/22 1355	Date/Time: 8/16/22 1355	Date/Time: 8/16/22 1510	Date/Time: 8/16/22 1510

Test Codes (marine):

Mp-c: Chronic Kelp
Hr-dv: Chronic Abalone
Aa-a: Acute Topsmelt
Aa-c: Chronic Topsmelt
Mb-a: Acute Menidia/Silverside
Mb-c: Chronic Menidia/Silverside
Ab-a: Acute Mysid Shrimp
Ab-c: Chronic Mysid Shrimp
Sp-c: Chronic Urchin Fertilization
Sp-dv: Chronic Urchin Development
Mg-dv: Chronic Mussel Development
Other: Write out the test organism

Test Codes (freshwater):

Cd-a: Acute Ceriodaphnia
Cd-c: Chronic Ceriodaphnia
Pp-a: Acute Fathead Minnow
Pp-c: Chronic Fathead Minno
Sc-c: Chronic Green Algae
Ha-a: Acute Hyalella amphipod
Ha-c: Chronic Hyalella amphipod
T-22: CA Title 22 Hazardous Waste

APPENDIX F

Reference Toxicant Test

Statistical Analysis, Control Chart, and Raw Data

Chronic Mussel

Reference Toxicant Test

CETIS Summary Report

Bivalve Larval Survival and Development Test — **Wood E&IS**

Batch ID:	16-9429-7587	**Test Type:**	Development-Survival	**Analyst:**	
Start Date:	17 Aug-22 15:45	**Protocol:**	EPA/600/R-95/136 (1995)	**Diluent:**	Diluted Natural Seawater
Ending Date:	19 Aug-22 14:00	**Species:**	Mytilis galloprovincialis	**Brine:**	Not Applicable
Duration:	46h	**Source:**	Field Collected	**Age:**	

Sample ID:	05-2453-7443	**Code:**	220817mgrd	**Client:**	Internal
Sample Date:	17 Aug-22	**Material:**	Total Copper	**Project:**	
Receipt Date:	17 Aug-22	**Source:**	Reference Toxicant		
Sample Age:	16h	**Station:**			

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD ✓
08-7082-4561	Combined Proportion Norma	Dunnett Multiple Comparison Test	5	10	7.071		11.3% ✓
17-6622-1079	Proportion Normal	Dunnett Multiple Comparison Test	5	10	7.071		2.91% ✓
14-6849-8036	Survival Rate	Dunnett Multiple Comparison Test	20	40	28.28		10.8%

Point Estimate Summary

Analysis ID	Endpoint	Point Estimate Method	Level	µg/L	95% LCL	95% UCL	TU	✓
07-5236-6337	Combined Proportion Norma	Trimmed Spearman-Kärber	EC50	9.552	9.364	9.744		

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits Lower	TAC Limits Upper	Overlap	Decision
17-6622-1079	Proportion Normal	Control Resp	0.9502	0.9	>>	Yes	Passes Criteria
14-6849-8036	Survival Rate	Control Resp	0.8969	0.5	>>	Yes	Passes Criteria
08-7082-4561	Combined Proportion Norma	PMSD	0.1129	<<	0.25	No	Passes Criteria

Combined Proportion Normal Summary

Conc-µg/L	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	5	0.8519	0.7934	0.9105	0.8140	0.9264	0.0211	0.0472	5.54%	0.00%
2.5		5	0.8240	0.7708	0.8773	0.7829	0.8798	0.0192	0.0429	5.20%	3.28%
5		5	0.8527	0.7291	0.9764	0.7016	0.9496	0.0445	0.0996	11.68%	-0.09%
10		5	0.3775	0.3002	0.4549	0.3062	0.4612	0.0279	0.0623	16.50%	55.69%
20		5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		100.00%
40		5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		100.00%

Proportion Normal Summary

Conc-µg/L	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	5	0.9502	0.9349	0.9654	0.9333	0.9677	0.0055	0.0123	1.29%	0.00%
2.5		5	0.9384	0.9242	0.9525	0.9227	0.9502	0.0051	0.0114	1.21%	1.24%
5		5	0.9408	0.9164	0.9652	0.9095	0.9587	0.0088	0.0197	2.09%	0.99%
10		5	0.4186	0.3431	0.4941	0.3319	0.4938	0.0272	0.0608	14.53%	55.95%
20		5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		100.00%
40		5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		100.00%

Survival Rate Summary

Conc-µg/L	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	5	0.8969	0.8295	0.9643	0.8411	0.9729	0.0243	0.0543	6.05%	0.00%
2.5		5	0.8783	0.8191	0.9375	0.8256	0.9380	0.0213	0.0477	5.43%	2.07%
5		5	0.9054	0.7877	1.0000	0.7713	1.0000	0.0424	0.0948	10.47%	-0.95%
10		5	0.9008	0.8493	0.9522	0.8450	0.9341	0.0185	0.0414	4.60%	-0.43%
20		5	0.8442	0.7918	0.8966	0.7791	0.8837	0.0189	0.0422	5.00%	5.88%
40		5	0.6845	0.6555	0.7135	0.6473	0.7093	0.0104	0.0234	3.41%	23.68%

Bivalve Larval Survival and Development Test — **Wood E&IS**

Combined Proportion Normal Detail

Conc-µg/L	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	LC	0.8140	0.8682	0.9264	0.8372	0.8140
2.5		0.7868	0.8798	0.7829	0.8566	0.8140
5		0.8798	0.7016	0.9225	0.8101	0.9496
10		0.4612	0.3062	0.3295	0.4109	0.3798
20		0.0000	0.0000	0.0000	0.0000	0.0000
40		0.0000	0.0000	0.0000	0.0000	0.0000

Proportion Normal Detail

Conc-µg/L	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	LC	0.9677	0.9333	0.9522	0.9474	0.9502
2.5		0.9227	0.9380	0.9484	0.9325	0.9502
5		0.9342	0.9095	0.9520	0.9587	0.9496
10		0.4938	0.3319	0.3899	0.4398	0.4375
20		0.0000	0.0000	0.0000	0.0000	0.0000
40		0.0000	0.0000	0.0000	0.0000	0.0000

Survival Rate Detail

Conc-µg/L	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	LC	0.8411	0.9302	0.9729	0.8837	0.8566
2.5		0.8527	0.9380	0.8256	0.9186	0.8566
5		0.9419	0.7713	0.9690	0.8450	1.0000
10		0.9341	0.9225	0.8450	0.9341	0.8682
20		0.7791	0.8682	0.8837	0.8643	0.8256
40		0.6860	0.7093	0.6977	0.6822	0.6473

Bivalve Larval Survival and Development Test — Wood E&IS

Analysis ID:	08-7082-4561	**Endpoint:**	Combined Proportion Normal	**CETIS Version:**	CETISv1.9.3
Analyzed:	27 Sep-22 16:17	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	5	10	7.071		11.29%

Dunnett Multiple Comparison Test

Control	vs	Conc-µg/L	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Control		2.5	0.7037	2.227	0.126	8	CDF	0.4549	Non-Significant Effect
		5	-0.2197	2.227	0.126	8	CDF	0.8216	Non-Significant Effect
		10*	9.165	2.227	0.126	8	CDF	8.3E-07	Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.983251	0.32775	3	40.84	<1.0E-37	Significant Effect
Error	0.128392	0.0080245	16			
Total	1.11164		19			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	4.004	11.34	0.2610	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9608	0.866	0.5604	Normal Distribution

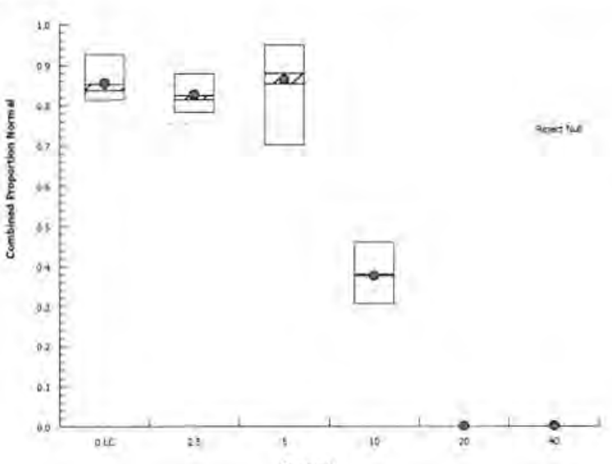
Combined Proportion Normal Summary

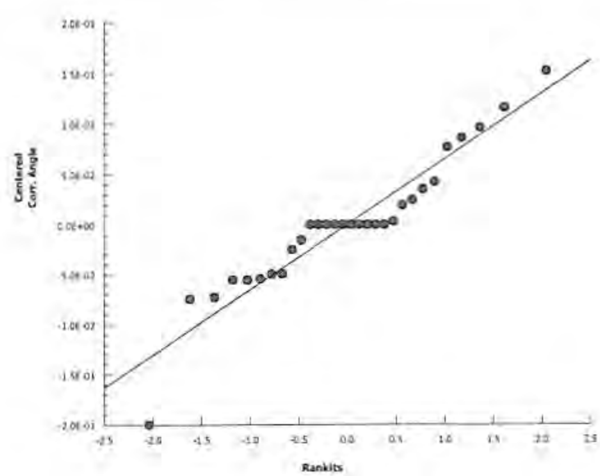
Conc-µg/L	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	0.8519	0.7933	0.9105	0.8372	0.8140	0.9264	0.0211	5.54%	0.00%
2.5		5	0.8240	0.7708	0.8773	0.8140	0.7829	0.8798	0.0192	5.20%	3.28%
5		5	0.8527	0.7291	0.9764	0.8798	0.7016	0.9496	0.0445	11.68%	-0.09%
10		5	0.3775	0.3002	0.4549	0.3798	0.3062	0.4612	0.0279	16.50%	55.69%
20		5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		100.00%
40		5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		100.00%

Angular (Corrected) Transformed Summary

Conc-µg/L	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	1.18	1.091	1.269	1.155	1.125	1.296	0.03202	6.07%	0.00%
2.5		5	1.14	1.069	1.212	1.125	1.086	1.217	0.02573	5.05%	3.38%
5		5	1.193	1.019	1.366	1.217	0.9928	1.344	0.06247	11.71%	-1.05%
10		5	0.6608	0.5809	0.7408	0.6641	0.5864	0.7466	0.02879	9.74%	44.00%
20		5	0.03113	0.03113	0.03114	0.03113	0.03113	0.03113	0	0.00%	97.36%
40		5	0.03113	0.03113	0.03114	0.03113	0.03113	0.03113	0	0.00%	97.36%

Graphics





CETIS Analytical Report

Report Date: 27 Sep-22 16:17 (p 2 of 4)
Test Code: 220817mgrd | 19-5652-2899

Bivalve Larval Survival and Development Test			**Wood E&IS**
Analysis ID: 17-6622-1079	**Endpoint:** Proportion Normal	**CETIS Version:** CETISv1.9.3	
Analyzed: 27 Sep-22 16:17	**Analysis:** Parametric-Control vs Treatments	**Official Results:** Yes	

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	5	10	7.071		2.91%

Dunnett Multiple Comparison Test

Control	vs	Conc-µg/L	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Control		2.5	1.007	2.227	0.058	8	CDF	0.3291	Non-Significant Effect
		5	0.7502	2.227	0.058	8	CDF	0.4347	Non-Significant Effect
		10*	24.61	2.227	0.058	8	CDF	7.0E-07	Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	1.48394	0.494646	3	288.9	<1.0E-37	Significant Effect
Error	0.0273986	0.0017124	16			
Total	1.51134		19			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	3.974	11.34	0.2643	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9731	0.866	0.8179	Normal Distribution

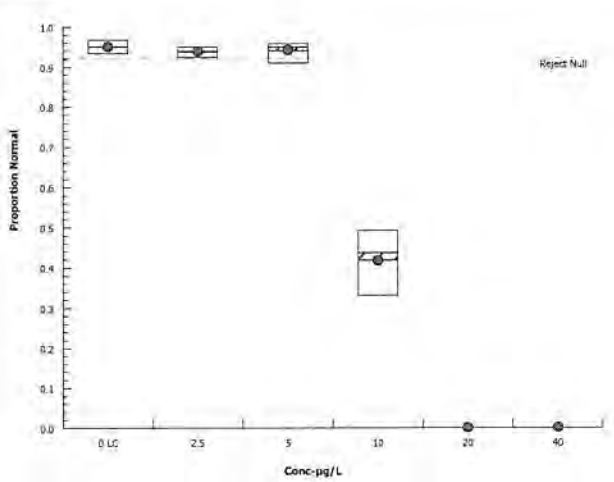
Proportion Normal Summary

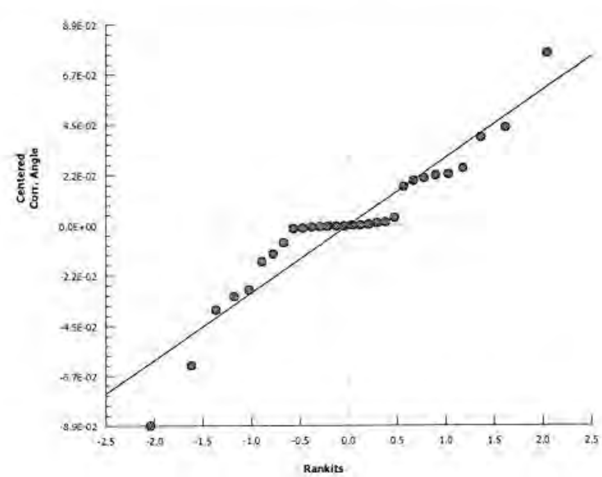
Conc-µg/L	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	0.9502	0.9349	0.9654	0.9502	0.9333	0.9677	0.0055	1.29%	0.00%
2.5		5	0.9384	0.9242	0.9525	0.9380	0.9227	0.9502	0.0051	1.21%	1.24%
5		5	0.9408	0.9164	0.9652	0.9496	0.9095	0.9587	0.0088	2.09%	0.99%
10		5	0.4186	0.3431	0.4941	0.4375	0.3319	0.4938	0.0272	14.53%	55.95%
20		5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		100.00%
40		5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		100.00%

Angular (Corrected) Transformed Summary

Conc-µg/L	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	1.347	1.311	1.383	1.346	1.31	1.39	0.01291	2.14%	0.00%
2.5		5	1.321	1.291	1.35	1.319	1.289	1.346	0.01055	1.79%	1.96%
5		5	1.327	1.278	1.377	1.344	1.265	1.366	0.01791	3.02%	1.46%
10		5	0.7031	0.626	0.7802	0.7227	0.614	0.7792	0.02777	8.83%	47.81%
20		5	0.03391	0.03283	0.03499	0.03349	0.03312	0.03527	0.0003897	2.57%	97.48%
40		5	0.03765	0.03683	0.03846	0.03759	0.03697	0.0387	0.0002926	1.74%	97.21%

Graphics





Analyst: [signature] QA: BCS

Bivalve Larval Survival and Development Test — Wood E&IS

Analysis ID:	14-6849-8036	**Endpoint:**	Survival Rate	**CETIS Version:**	CETISv1.9.3
Analyzed:	27 Sep-22 16:17	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	20	40	28.28		10.78%

Dunnett Multiple Comparison Test

Control vs	Conc-µg/L	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Control	2.5	0.5601	2.362	0.148	8	CDF	0.6204	Non-Significant Effect
	5	-0.7178	2.362	0.148	8	CDF	0.9647	Non-Significant Effect
	10	-0.005168	2.362	0.148	8	CDF	0.8349	Non-Significant Effect
	20	1.401	2.362	0.148	8	CDF	0.2574	Non-Significant Effect
	40*	4.489	2.362	0.148	8	CDF	3.5E-04	Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.340961	0.0681922	5	6.991	3.7E-04	Significant Effect
Error	0.234091	0.0097538	24			
Total	0.575052		29			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance Test	13.99	15.09	0.0157	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9731	0.9031	0.6273	Normal Distribution

Survival Rate Summary

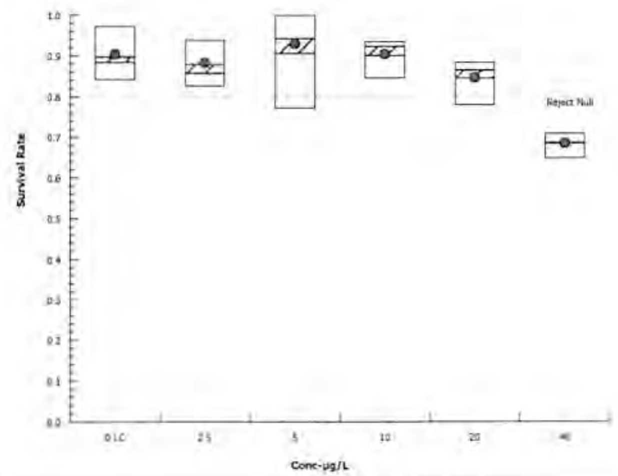
Conc-µg/L	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	0.8969	0.8295	0.9643	0.8837	0.8411	0.9729	0.0243	6.05%	0.00%
2.5		5	0.8783	0.8191	0.9375	0.8566	0.8256	0.9380	0.0213	5.43%	2.07%
5		5	0.9054	0.7877	1.0000	0.9419	0.7713	1.0000	0.0424	10.47%	-0.95%
10		5	0.9008	0.8493	0.9522	0.9225	0.8450	0.9341	0.0185	4.60%	-0.43%
20		5	0.8442	0.7918	0.8966	0.8643	0.7791	0.8837	0.0189	5.00%	5.88%
40		5	0.6845	0.6555	0.7135	0.6860	0.6473	0.7093	0.0104	3.41%	23.68%

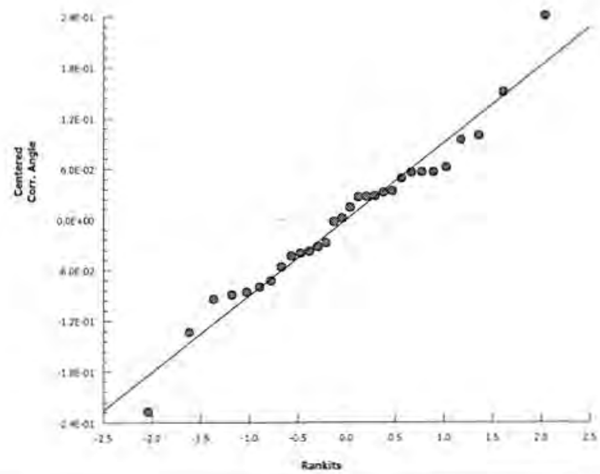
Angular (Corrected) Transformed Summary

Conc-µg/L	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	5	1.255	1.131	1.379	1.223	1.161	1.405	0.0448	7.98%	0.00%
2.5		5	1.22	1.125	1.315	1.182	1.14	1.319	0.03412	6.25%	2.79%
5		5	1.3	1.07	1.529	1.327	1.072	1.54	0.08271	14.23%	-3.57%
10		5	1.255	1.171	1.34	1.289	1.166	1.311	0.03038	5.41%	-0.03%
20		5	1.167	1.097	1.238	1.194	1.081	1.223	0.02541	4.87%	6.98%
40		5	0.9746	0.9435	1.006	0.976	0.9349	1.001	0.01118	2.56%	22.34%

Bivalve Larval Survival and Development Test					**Wood E&IS**
Analysis ID:	14-6849-8036	**Endpoint:**	Survival Rate	**CETIS Version:**	CETISv1.9.3
Analyzed:	27 Sep-22 16:17	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes

Graphics





CETIS Analytical Report

Report Date: 27 Sep-22 16:17 (p 1 of 1)
Test Code: 220817mgrd | 19-5652-2899

Bivalve Larval Survival and Development Test			Wood E&IS
Analysis ID: 07-5236-6337	**Endpoint:** Combined Proportion Normal	**CETIS Version:** CETISv1.9.3	
Analyzed: 27 Sep-22 16:17	**Analysis:** Trimmed Spearman-Kärber	**Official Results:** Yes	

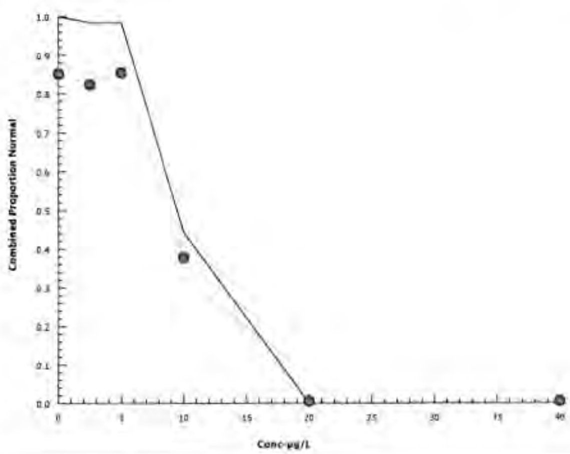
Trimmed Spearman-Kärber Estimates

Threshold Option	Threshold	Trim	Mu	Sigma	EC50	95% LCL	95% UCL
Control Threshold	0.1481	1.51%	0.9801	0.004322	9.552	9.364	9.744

Combined Proportion Normal Summary

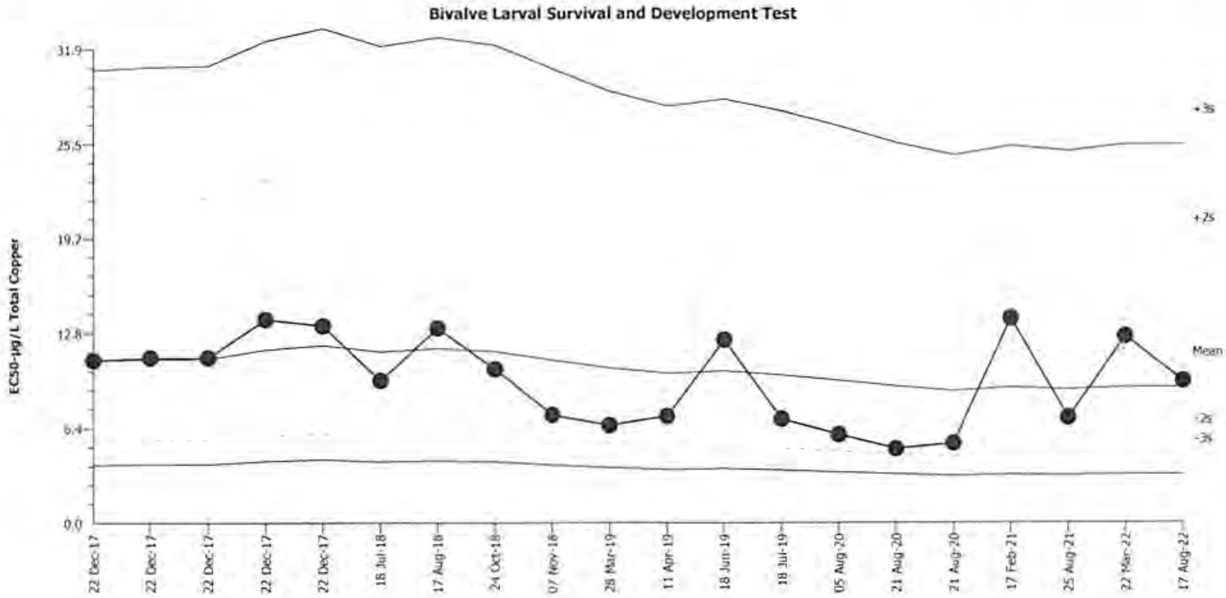
			Calculated Variate(A/B)							Isotonic Variate	
Conc-µg/L	Code	Count	Mean	Min	Max	Std Dev	CV%	%Effect	A/B	Mean	%Effect
0	LC	5	0.8519	0.8140	0.9264	0.0472	5.54%	0.0%	1099/1290	0.8519	0.0%
2.5		5	0.8240	0.7829	0.8798	0.0429	5.20%	3.28%	1063/1290	0.8384	1.59%
5		5	0.8527	0.7016	0.9496	0.0996	11.68%	-0.09%	1119/1310	0.8384	1.59%
10		5	0.3775	0.3062	0.4612	0.0623	16.50%	55.69%	487/1290	0.3775	55.69%
20		5	0.0000	0.0000	0.0000	0.0000		100.0%	0/1290	0	100.0%
40		5	0.0000	0.0000	0.0000	0.0000		100.0%	0/1290	0	100.0%

Graphics



Bivalve Larval Survival and Development Test — **Wood E&IS**

Test Type:	Development-Survival	**Organism:**	Mytilis galloprovincialis (Bay Mussel)	**Material:**	Total Copper
Protocol:	EPA/600/R-95/136 (1995)	**Endpoint:**	Combined Proportion Normal	**Source:**	Reference Toxicant-REF



Mean:	9.152	**Count:**	19	**-2s Warning Limit:**	4.625	**-3s Action Limit:**	3.287
Sigma:	n/a	**CV:**	35.20%	**+2s Warning Limit:**	18.12	**+3s Action Limit:**	25.49

Quality Control Data

Point	Year	Month	Day	Time	QC Data	Delta	Sigma	Warning	Action	Test ID	Analysis ID
1	2017	Dec	22	15:00	10.95	1.794	0.5243			13-8076-0092	04-7666-8867
2			22	15:00	11.1	1.952	0.5664			18-9173-1279	00-8804-3805
3			22	15:00	11.13	1.976	0.5727			19-1537-3013	20-7428-0259
4			22	15:10	13.69	4.535	1.179			05-2148-4604	14-2190-9809
5			22	15:10	13.26	4.109	1.086			07-4924-1298	02-9536-6591
6	2018	Jul	18	12:30	9.593	0.4411	0.1379			17-4700-2672	19-1834-7581
7		Aug	17	18:15	13.11	3.955	1.052			06-6531-4070	03-3159-5721
8		Oct	24	14:25	10.37	1.221	0.3668			10-5049-1350	21-2167-7967
9		Nov	7	14:40	7.288	-1.864	-0.667			21-2560-8966	08-1725-7308
10	2019	Mar	28	15:00	6.57	-2.582	-0.9709			01-1205-3490	09-9916-0601
11		Apr	11	15:05	7.2	-1.952	-0.7026			09-5126-5022	11-0264-5925
12		Jun	18	15:35	12.33	3.177	0.8729			20-1050-4622	12-9168-6963
13		Jul	18	14:55	7	-2.152	-0.7853			14-0843-5203	16-2395-2147
14	2020	Aug	5	16:15	5.97	-3.182	-1.251			01-5363-1852	03-9719-1127
15			21	17:45	4.994	-4.158	-1.774			02-6167-5910	09-0147-8078
16			21	17:45	5.371	-3.781	-1.561			09-7758-0702	07-5383-0657
17	2021	Feb	17	16:05	13.75	4.598	1.192			02-0888-9810	19-5282-1839
18		Aug	25	16:50	7.088	-2.064	-0.7487			01-4286-8892	09-6353-7527
19	2022	Mar	22	16:15	12.55	3.394	0.924			07-3402-8050	17-5105-1124
20		Aug	17	15:45	9.552	0.3997	0.1252			19-5652-2899	07-5236-6337

CETIS Test Data Worksheet

Report Date: 15 Aug-22 10:59 (p 1 of 1)
Test Code/ID: 19-5652-2899/220817mgrd

Bivalve Larval Survival and Development Test — Wood E&IS

Start Date:	17 Aug-22 1545	**Species:**	Mytilis galloprovincialis	**Sample Code:**	220817mgrd
End Date:	19 Aug-22 1400	**Protocol:**	EPA/600/R-95/136 (1995)	**Sample Source:**	Reference Toxicant
Sample Date:	17 Aug-22	**Material:**	Total Copper	**Sample Station:**	

Conc-µg/L	Code	Rep	Pos	Initial Density	Final Density	# Counted	# Normal	Notes
			1			199	181	BI 9/23/22
			2			221	210	
			3			218	85	
			4			238	79	
			5			183	0	
			6•			240	224	
			7			250	238	9/25/22
			8			243	227	
			9			278	264	
			10			218	209	
			11			176	0	
			12			241	106	
			13			237	221	
			14			167	BI ~~16~~ 0	
			15			213	202	
			16			180	0	
			17			223	0	
			18			224	98	
			19•			228	216	
			20			220	203	
			21•			217	210	
			22			201	0	
			23•			221	210	
			24			228	0	
			25			213	0	
			26			224	0	
			27•			251	239	
			28			~~231~~ 241 BI	119	
			29			242	227	
			30			177	0	

Analyst: BI QA: AG

CETIS Test Data Worksheet

Report Date: 15 Aug-22 10:59 (p 1 of 1)
Test Code/ID: 19-5652-2899/220817mgrd

Bivalve Larval Survival and Development Test — **Wood E&IS**

Start Date:	17 Aug-22	**Species:**	Mytilis galloprovincialis	**Sample Code:**	220817mgrd
End Date:	19 Aug-22	**Protocol:**	EPA/600/R-95/136 (1995)	**Sample Source:**	Reference Toxicant
Sample Date:	17 Aug-22	**Material:**	Total Copper	**Sample Station:**	

Conc-µg/L	Code	Rep	Pos	Initial Density	Final Density	# Counted	# Normal	Notes
0	LC	1	21					
0	LC	2	6					
0	LC	3	27					
0	LC	4	19					
0	LC	5	23					
2.5		1	20					
2.5		2	29					
2.5		3	15					
2.5		4	13					
2.5		5	2					
5		1	8					
5		2	1					
5		3	7					
5		4	10					
5		5	9					
10		1	28					
10		2	4					
10		3	3					
10		4	12					
10		5	18					
20		1	22					
20		2	26					
20		3	24					
20		4	17					
20		5	25					
40		1	30					
40		2	5					
40		3	16					
40		4	11					
40		5	14					

QC: NS

Water Quality for Bivalve Development

Client: Internal
Project ID: Cu Reftox
Test No. 220817mgrd

Test Species: *M. galloprovincialis*
Start Date/Time: 8/17/2022 1545
End Date/Time: 8/19/2022 1400

Test Conc. (µg/L Cu)	Water Quality Measurements			
	Parameter	**0hr**	**24hr**	**48hr**
Lab Control	Temp. (°C)	15.6	15.5	14.9
	Salinity (ppt)	33.9	33.5	34.1
	pH (units)	7.92	7.72	7.80
	DO (mg/L)	8.2	8.2	8.6
2.5	Temp. (°C)	15.4	15.4	14.9
	Salinity (ppt)	33.9	33.9	34.2
	pH (units)	7.93	7.74	7.82
	DO (mg/L)	8.3	8.4	8.6
5	Temp. (°C)	15.4	15.1	14.9
	Salinity (ppt)	33.9	33.8	34.3
	pH (units)	7.93	7.76	7.83
	DO (mg/L)	8.3	8.4	8.5
10	Temp. (°C)	15.6	15.1	14.9
	Salinity (ppt)	33.7	33.8	34.3
	pH (units)	7.93	7.76	7.83
	DO (mg/L)	8.3	8.3	8.5
20	Temp. (°C)	15.9	15.1	14.9
	Salinity (ppt)	33.8	33.8	34.3
	pH (units)	7.92	7.76	7.84
	DO (mg/L)	8.1	8.3	8.6
40	Temp. (°C)	15.8	15.4	14.9
	Salinity (ppt)	33.8	33.6	34.2
	pH (units)	7.93	7.76	7.84
	DO (mg/L)	8.2	8.3	8.6
	Temp. (°C)			
	Salinity (ppt)			
	pH (units)			
	DO (mg/L)			
	Tech Initials:	TD	JF	MS

Source of Animals: SIO Holding Facility **Date Received:** 5/16/22

Comments:

QC Check: AG 9/27/22 **Final Review:** BCS 10-10-22

Wood Environmental Toxicology Lab, 4905 Morena Blvd, Ste. 1304, San Diego, CA 92117

Embryo-Larval Development Test

Stock Preparation Worksheet

Test Species: *M. galloprovincialis*
Batch ID: 5/16/22 Batch at SIO Facility
Test Type: 48hr Bivalve Development

Test Date: 8/17/2022
Analyst: AG

Task	
Spawning Induction	1000
Spawning Begins	1045
# Males/# Females	7/2
Spawn Condition	good
Fertilization Initiated	1300
Fertilzation End/Eggs Rinsed	1330/1350
Embryo Counts	1415
Test Initiation	1545

Embryo Density Counts # per ~~100~~ 20 µL

Stock #	Stock Volume (mL)	Rep 1	Rep 2	Rep 3	Rep 4	Mean #/~~100~~ 20 µL	Mean #/mL (x~~10~~ 50)
Stock 1	400	15	11	15	16	14.25	712.5
Stock 2	400	—	—	—	—	—	—
Stock 3							

Cell Division:

	% Divided
Stock 1	99
Stock 2	99
Stock 3	

Selected Stock:	1

Adjust selected embryo stock to 500 embryos/mL.
Dilution Factor = Stock Density/mL/500

Stock Density $\frac{712.5}{500}$ **Dil Factor** 1.425

In 10 mL sample volume add 500 µl of 500 embryo/ml stock to obtain 25 embryos/mL in test vials.

Notes: TØ1 = 248 TØ2 = 267 TØ3 = 267 TØ4 = 255 TØ5 = 253
x̄ = 258

QA Review: AG 9/27/22

Final Review: SC 9/30/22

Acute Topsmelt

Reference Toxicant Test

CETIS Summary Report

Pacific Topsmelt 96-h Acute Survival Test — Wood E&IS

Batch ID:	00-5082-9487	**Test Type:**	Survival (96h)	**Analyst:**	
Start Date:	17 Aug-22 14:30	**Protocol:**	EPA/821/R-02-012 (2002)	**Diluent:**	Diluted Natural Seawater
Ending Date:	21 Aug-22 12:30	**Species:**	Atherinops affinis	**Brine:**	Not Applicable
Duration:	94h	**Source:**	Aquatic Biosystems, CO	**Age:**	10 d

Sample ID:	13-5157-0095	**Code:**	220817aara	**Client:**	Internal
Sample Date:	17 Aug-22	**Material:**	Total Copper	**Project:**	
Receipt Date:	17 Aug-22	**Source:**	Reference Toxicant		
Sample Age:	14h	**Station:**			

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD ✓
02-8859-1707	96h Survival Rate	Dunnett Multiple Comparison Test	100	200	141.4		22.2%

Point Estimate Summary

Analysis ID	Endpoint	Point Estimate Method	Level	µg/L	95% LCL	95% UCL	TU ✓
15-7321-0328	96h Survival Rate	Trimmed Spearman-Kärber	LC50	210.2	173.3	255	

96h Survival Rate Summary

Conc-µg/L	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	4	0.8500	0.5453	1.0000	0.6000	1.0000	0.0957	0.1915	22.53%	0.00%
25		4	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	-17.65%
50		4	0.9500	0.7909	1.0000	0.8000	1.0000	0.0500	0.1000	10.53%	-11.76%
100		4	0.8500	0.6909	1.0000	0.8000	1.0000	0.0500	0.1000	11.76%	0.00%
200		4	0.5500	0.3909	0.7091	0.4000	0.6000	0.0500	0.1000	18.18%	35.29%
400		4	0.0500	0.0000	0.2091	0.0000	0.2000	0.0500	0.1000	200.00%	94.12%

96h Survival Rate Detail

Conc-µg/L	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	LC	0.8000	0.6000	1.0000	1.0000
25		1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	0.8000	1.0000
100		0.8000	1.0000	0.8000	0.8000
200		0.4000	0.6000	0.6000	0.6000
400		0.2000	0.0000	0.0000	0.0000

Analyst: RV QA: TGS

CETIS Analytical Report

Pacific Topsmelt 96-h Acute Survival Test — Wood E&IS

Analysis ID:	02-8859-1707	Endpoint:	96h Survival Rate	CETIS Version:	CETISv1.9.3
Analyzed:	08 Sep-22 11:28	Analysis:	Parametric-Control vs Treatments	Official Results:	Yes

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	100	200	141.4		22.19%

Dunnett Multiple Comparison Test

Control vs	Conc-µg/L	Test Stat	Critical	MSD	DF	P-Type	P-Value	Decision(α:5%)
Lab Control	25	-1.897	2.407	0.221	6	CDF	0.9988	Non-Significant Effect
	50	-1.249	2.407	0.221	6	CDF	0.9914	Non-Significant Effect
	100	0.04642	2.407	0.221	6	CDF	0.8193	Non-Significant Effect
	200*	3.648	2.407	0.221	6	CDF	0.0039	Significant Effect
	400*	9.64	2.407	0.221	6	CDF	2.7E-05	Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	3.17874	0.635749	5	37.64	<1.0E-37	Significant Effect
Error	0.304009	0.0168894	18			
Total	3.48275		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Levene Equality of Variance Test	3.455	4.248	0.0231	Equal Variances
Variances	Mod Levene Equality of Variance Test	1.217	4.248	0.3411	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9339	0.884	0.1189	Normal Distribution

96h Survival Rate Summary

Conc-µg/L	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	4	0.8500	0.5453	1.0000	0.9000	0.6000	1.0000	0.0957	22.53%	0.00%
25		4	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	-17.65%
50		4	0.9500	0.7909	1.0000	1.0000	0.8000	1.0000	0.0500	10.53%	-11.76%
100		4	0.8500	0.6909	1.0000	0.8000	0.8000	1.0000	0.0500	11.76%	0.00%
200		4	0.5500	0.3909	0.7091	0.6000	0.4000	0.6000	0.0500	18.18%	35.29%
400		4	0.0500	0.0000	0.2091	0.0000	0.0000	0.2000	0.0500	200.00%	94.12%

Angular (Corrected) Transformed Summary

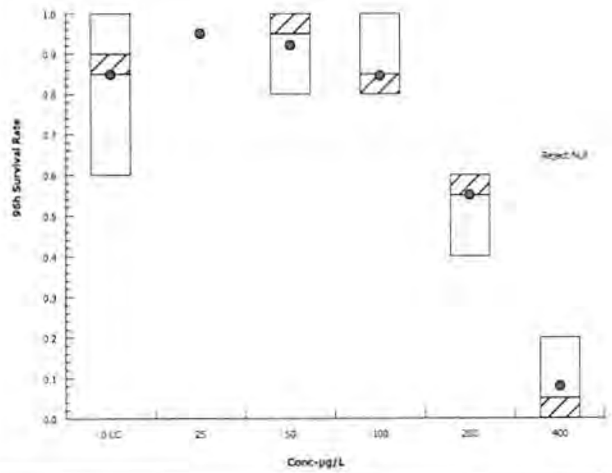
Conc-µg/L	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	4	1.171	0.8199	1.522	1.226	0.8861	1.345	0.1103	18.84%	0.00%
25		4	1.345	1.345	1.346	1.345	1.345	1.345	0	0.00%	-14.89%
50		4	1.286	1.096	1.475	1.345	1.107	1.345	0.05953	9.26%	-9.80%
100		4	1.167	0.9772	1.356	1.107	1.107	1.345	0.05953	10.21%	0.36%
200		4	0.8357	0.6755	0.9959	0.8861	0.6847	0.8861	0.05034	12.05%	28.63%
400		4	0.285	0.09558	0.4745	0.2255	0.2255	0.4636	0.05953	41.77%	75.66%

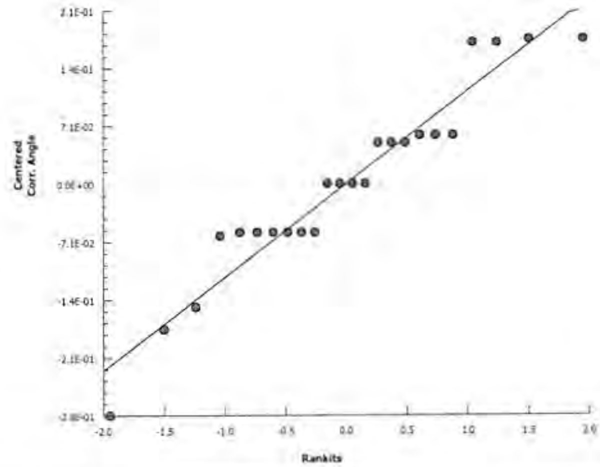
CETIS Analytical Report

Report Date:	08 Sep-22 11:28 (p 2 of 2)
Test Code:	220817aara | 05-7284-7352

Pacific Topsmelt 96-h Acute Survival Test					**Wood E&IS**
Analysis ID:	02-8859-1707	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.9.3
Analyzed:	08 Sep-22 11:28	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes

Graphics





CETIS Analytical Report

Report Date: 08 Sep-22 11:28 (p 1 of 1)
Test Code: 220817aara | 05-7284-7352

Pacific Topsmelt 96-h Acute Survival Test — Wood E&IS

Analysis ID:	15-7321-0328	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.9.3
Analyzed:	08 Sep-22 11:28	**Analysis:**	Trimmed Spearman-Kärber	**Official Results:**	Yes

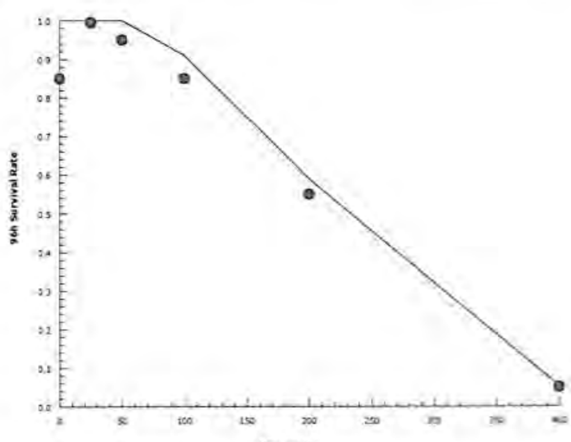
Trimmed Spearman-Kärber Estimates

Threshold Option	Threshold	Trim	Mu	Sigma	LC50	95% LCL	95% UCL
Control Threshold	0.15	5.36%	2.323	0.04193	210.2	173.3	255

96h Survival Rate Summary

					Calculated Variate(A/B)					Isotonic Variate	
Conc-µg/L	Code	Count	Mean	Min	Max	Std Dev	CV%	%Effect	A/B	Mean	%Effect
0	LC	4	0.8500	0.6000	1.0000	0.1915	22.53%	0.0%	17/20	0.9333	0.0%
25		4	1.0000	1.0000	1.0000	0.0000	0.00%	-17.65%	20/20	0.9333	0.0%
50		4	0.9500	0.8000	1.0000	0.1000	10.53%	-11.76%	19/20	0.9333	0.0%
100		4	0.8500	0.8000	1.0000	0.1000	11.76%	0.0%	17/20	0.85	8.93%
200		4	0.5500	0.4000	0.6000	0.1000	18.18%	35.29%	11/20	0.55	41.07%
400		4	0.0500	0.0000	0.2000	0.1000	200.00%	94.12%	1/20	0.05	94.64%

Graphics

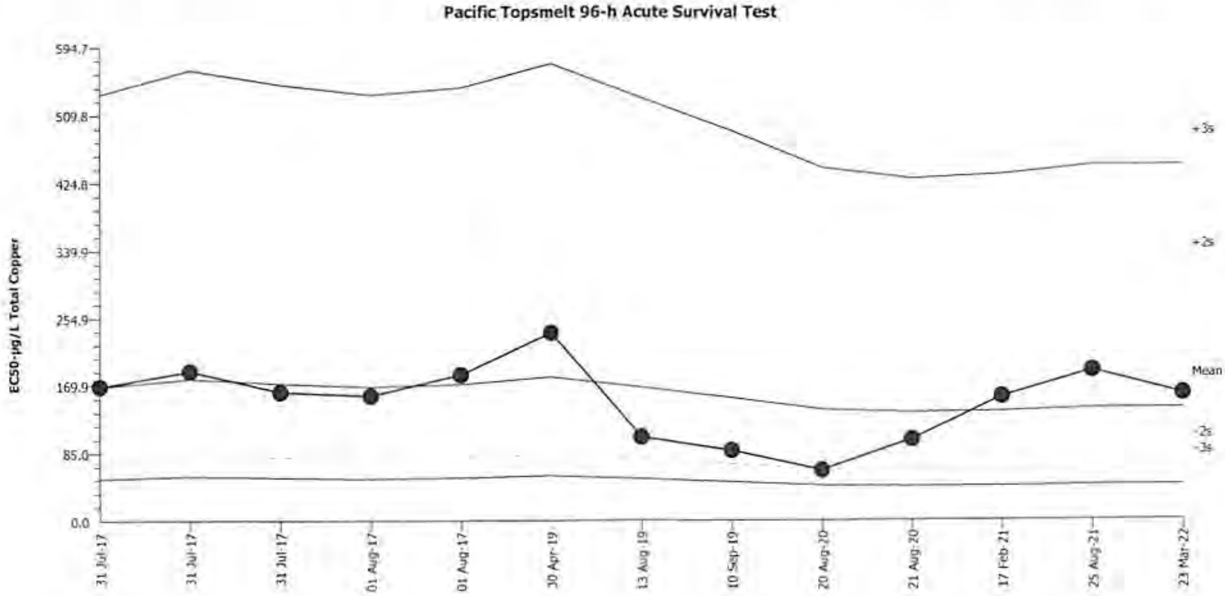


CETIS QC Plot

Report Date: 08 Sep-22 12:04 (1 of 1)

Pacific Topsmelt 96-h Acute Survival Test — **Wood E&IS**

Test Type:	Survival (96h)	**Organism:**	Atherinops affinis (Topsmelt)	**Material:**	Total Copper
Protocol:	EPA/821/R-02-012 (2002)	**Endpoint:**	96h Survival Rate	**Source:**	Reference Toxicant-REF



Mean:	140.6	**Count:**	12	**-2s Warning Limit:**	65	**-3s Action Limit:**	44.19
Sigma:	n/a	**CV:**	40.10%	**+2s Warning Limit:**	304.3	**+3s Action Limit:**	447.6

Quality Control Data

Point	Year	Month	Day	Time	QC Data	Delta	Sigma	Warning	Action	Test ID	Analysis ID
1	2017	Jul	31	16:00	168.3	27.7	0.4659			19-5584-5627	06-5699-4422
2			31	16:10	187.7	47.1	0.7486			08-6518-1949	12-2976-8720
3			31	16:20	161.5	20.9	0.3592			16-0803-3194	14-0325-5692
4		Aug	1	14:20	156.9	16.31	0.2843			21-0766-0876	04-5806-5680
5			1	14:30	183.1	42.52	0.6846			08-2262-5738	12-8323-6897
6	2019	Apr	30	15:00	236.6	95.95	1.348			01-1235-0968	05-2157-6049
7		Aug	13	17:20	104.8	-35.82	-0.7618			15-7782-6769	06-7735-0148
8		Sep	10	16:30	88.01	-52.6	-1.214			00-1845-1071	18-3128-5862
9	2020	Aug	20	11:30	63	-77.62	-2.081	(-)		10-0704-2056	18-4092-2436
10			21	16:40	101.7	-38.95	-0.8404			04-1235-4342	09-8231-6847
11	2021	Feb	17	18:00	155.3	14.73	0.2581			20-5527-3551	01-0267-4966
12		Aug	25	16:45	188.1	47.5	0.7542			03-9028-8227	05-7488-9745
13	2022	Mar	23	13:05	158.7	18.13	0.3142			09-7418-9044	03-1482-7264

96hr Marine Acute Test with 48hr Renewal

Client: Internal
Project ID: Cu Ref Tox
Test No. 220817aara

Test Species: *Atherinops affinis*
Start Date/Time: 8/17/22 1430
End Date/Time: 8/21/22 1230

Sample ID (µg/L Cu)	Rep	Counts 0	24	48	72	96	Water Quality (A) Parameter	0	24	48f	48i	72	96
Lab Control	A	5	5	5	5	4	Temp. (°C)	21.4	21.6	21.2	21.2	21.1	21.5
	B	5	5	5	5	3	Salinity (ppt)	29.6	29.6	~~29.8~~ 29.7 TD	29.9	30.1	29.8
	C	5	5	5	5	5	pH (units)	7.75	7.67	~~7.45~~ 7.57 TD	7.88	7.77	7.73
	D	5	5	5	5	5	DO (mg/L)	7.4	6.1	6.5	~~7.1~~ 7.3 TD	6.4	6.6
25	A	5	5	5	5	5	Temp. (°C)	21.2	21.5	21.2	21.2	21.1	21.5
	B	5	5	5	5	5	Salinity (ppt)	29.7	29.8	29.7	29.8	30.0	29.9
	C	5	5	5	5	5	pH (units)	7.78	7.67	7.64	7.89	7.77	7.73
	D	5	5	5	5	5	DO (mg/L)	7.5	6.3	6.5	~~7.1~~ 7.3 TD	6.4	6.1
50	A	5	5	5	5	5	Temp. (°C)	21.2	21.4	21.3	21.2	21.1	21.4
	B	5	5	5	5	5	Salinity (ppt)	29.6	29.6	29.6	~~29.8~~ 29.7 TD	29.9	30.0
	C	5	5	5	5	4	pH (units)	7.78	7.67	7.67	7.89	7.78	7.74
	D	5	5	5	5	5	DO (mg/L)	7.5	6.3	6.5	~~7.1~~ 7.3 TD	6.3	6.4
100	A	5	5	~~3~~ 5	5	4	Temp. (°C)	21.2	21.4	21.3	21.2	21.1	21.3
	B	5	5	5	5	5	Salinity (ppt)	29.6	29.6	29.7	29.8	30.0	30.0
	C	5	5	5	5	4	pH (units)	7.76	7.67	7.68	7.88	7.78	7.74
	D	5	5	5	5	4	DO (mg/L)	7.5	6.5	6.6	~~7.2~~ 7.4 TD	6.3	6.2
200	A	5	5	5	5	2	Temp. (°C)	21.2	21.3	21.2	21.2	21.1	21.3
	B	5	5	5	5	3	Salinity (ppt)	29.4	29.6	29.7	29.7	29.9	30.0
	C	5	5	4	4	3	pH (units)	7.73	7.62	7.67	7.85	7.18	7.73
	D	5	5	5	4	3	DO (mg/L)	7.4	6.5	6.5	~~7.2~~ 7.4 TD	6.3	6.1
400	A	5	2	2	2	1	Temp. (°C)	21.3	21.2	21.1	21.2	21.1	21.2
	B	5	0	–	–	–	Salinity (ppt)	29.4	29.5	29.7	29.7	29.9	29.9
	C	5	2	0	–	–	pH (units)	7.68	7.62	7.69	7.78	7.74	7.76
	D	5	2	1	0	–	DO (mg/L)	7.4	6.6	6.7	7.4	6.3	6.8
	A						Temp. (°C)						
	B						Salinity (ppt)						
	C						pH (units)						
	D						DO (mg/L)						
Tech Initials:		RV	RV	JF	AB	SC	Tech Initials:	JF	RV	TD	TD	AB	RV

QC: SC

Date Animals Received: 8/16/22 ABS
Age of Animals at Test Start: 10d

Feedings	0	24	48	72	96
Initials (AM):	NS	JF	JF	AB	RV
Initials (PM):					

Comments: (A) rechecked after adjusting for correct salinity factor

QC Check: RV 9/8/22

Final Review: BC 10/6/22

Acute Menidia

Reference Toxicant Test

CETIS Summary Report

Report Date: 08 Sep-22 12:03 (p 1 of 1)
Test Code: 220817mbra | 19-2363-4565

Inland Silverside 96-h Acute Survival Test — Wood E&IS

Batch ID:	08-9340-2960	**Test Type:**	Survival (96h)	**Analyst:**	
Start Date:	17 Aug-22 16:05	**Protocol:**	EPA/821/R-02-012 (2002)	**Diluent:**	Diluted Natural Seawater
Ending Date:	21 Aug-22 14:15	**Species:**	Menidia beryllina	**Brine:**	Not Applicable
Duration:	94h	**Source:**	Aquatic Biosystems, CO	**Age:**	12 d

Sample ID:	16-6757-6902	**Code:**	220817mbra	**Client:**	Internal
Sample Date:	17 Aug-22	**Material:**	Total Copper	**Project:**	
Receipt Date:	17 Aug-22	**Source:**	Reference Toxicant		
Sample Age:	16h	**Station:**			

Multiple Comparison Summary

Analysis ID	Endpoint	Comparison Method	NOEL	LOEL	TOEL	TU	PMSD ✓
06-9069-0586	96h Survival Rate	Steel Many-One Rank Sum Test	200	400	282.8		16.2%

Point Estimate Summary

Analysis ID	Endpoint	Point Estimate Method	Level	µg/L	95% LCL	95% UCL	TU ✓
08-2602-5211	96h Survival Rate	Spearman-Kärber	LC50	224.5	194	259.8	

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits Lower	TAC Limits Upper	Overlap	Decision
06-9069-0586	96h Survival Rate	Control Resp	0.95	0.9	>>	Yes	Passes Criteria
08-2602-5211	96h Survival Rate	Control Resp	0.95	0.9	>>	Yes	Passes Criteria

96h Survival Rate Summary

Conc-µg/L	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	LC	4	0.9500	0.7909	1.0000	0.8000	1.0000	0.0500	0.1000	10.53%	0.00%
25		4	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	-5.26%
50		4	0.9500	0.7909	1.0000	0.8000	1.0000	0.0500	0.1000	10.53%	0.00%
100		4	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	-5.26%
200		4	0.6500	0.3453	0.9547	0.4000	0.8000	0.0957	0.1915	29.46%	31.58%
400		4	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		100.00%

96h Survival Rate Detail

Conc-µg/L	Code	Rep 1	Rep 2	Rep 3	Rep 4
0	LC	1.0000	1.0000	0.8000	1.0000
25		1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	0.8000	1.0000
100		1.0000	1.0000	1.0000	1.0000
200		0.4000	0.8000	0.8000	0.6000
400		0.0000	0.0000	0.0000	0.0000

Inland Silverside 96-h Acute Survival Test — Wood E&IS

Analysis ID:	06-9069-0586	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.9.3
Analyzed:	08 Sep-22 12:02	**Analysis:**	Nonparametric-Control vs Treatments	**Official Results:**	Yes

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)	C > T	200	400	282.8		16.19%

Steel Many-One Rank Sum Test

Control	vs	Conc-µg/L	Test Stat	Critical	Ties	DF	P-Type	P-Value	Decision(α:5%)
Lab Control		25	20	10	1	6	Asymp	0.9516	Non-Significant Effect
		50	18	10	2	6	Asymp	0.8333	Non-Significant Effect
		100	20	10	1	6	Asymp	0.9516	Non-Significant Effect
		200	11	10	1	6	Asymp	0.0805	Non-Significant Effect
		400*	10	10	0	6	Asymp	0.0417	Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	3.89236	0.778473	5	67.09	<1.0E-37	Significant Effect
Error	0.208858	0.0116032	18			
Total	4.10122		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Levene Equality of Variance Test	7.843	4.248	4.5E-04	Unequal Variances
Variances	Mod Levene Equality of Variance Test	2.483	4.248	0.0706	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.8238	0.884	7.4E-04	Non-Normal Distribution

96h Survival Rate Summary

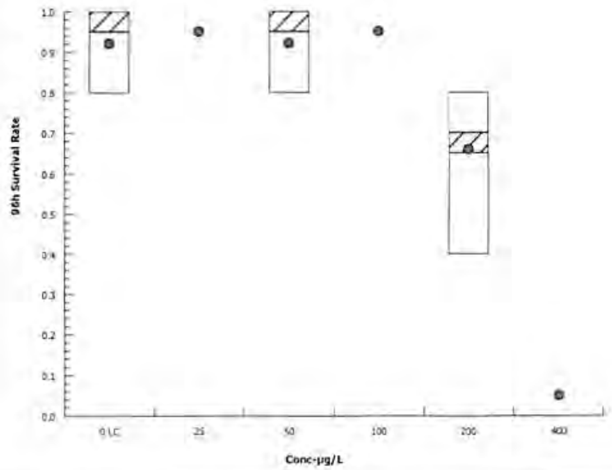
Conc-µg/L	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	4	0.9500	0.7909	1.0000	1.0000	0.8000	1.0000	0.0500	10.53%	0.00%
25		4	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	-5.26%
50		4	0.9500	0.7909	1.0000	1.0000	0.8000	1.0000	0.0500	10.53%	0.00%
100		4	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	-5.26%
200		4	0.6500	0.3453	0.9547	0.7000	0.4000	0.8000	0.0957	29.46%	31.58%
400		4	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		100.00%

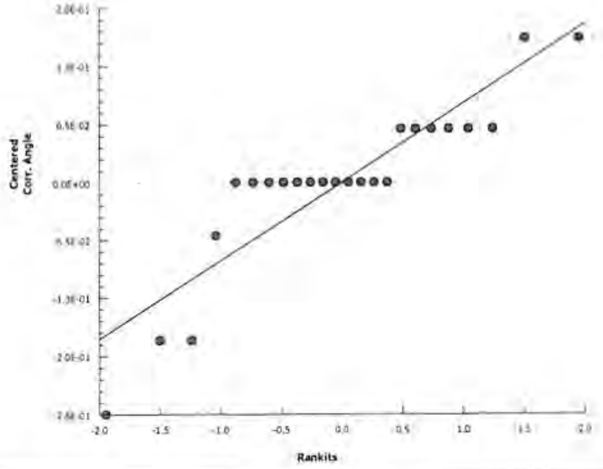
Angular (Corrected) Transformed Summary

Conc-µg/L	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	LC	4	1.286	1.096	1.475	1.345	1.107	1.345	0.05953	9.26%	0.00%
25		4	1.345	1.345	1.346	1.345	1.345	1.345	0	0.00%	-4.63%
50		4	1.286	1.096	1.475	1.345	1.107	1.345	0.05953	9.26%	0.00%
100		4	1.345	1.345	1.346	1.345	1.345	1.345	0	0.00%	-4.63%
200		4	0.9463	0.623	1.27	0.9966	0.6847	1.107	0.1016	21.47%	26.40%
400		4	0.2255	0.2255	0.2256	0.2255	0.2255	0.2255	0	0.00%	82.46%

Inland Silverside 96-h Acute Survival Test					Wood E&IS
Analysis ID:	06-9069-0586	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.9.3
Analyzed:	08 Sep-22 12:02	**Analysis:**	Nonparametric-Control vs Treatments	**Official Results:**	Yes

Graphics





CETIS Analytical Report

Inland Silverside 96-h Acute Survival Test — **Wood E&IS**

Analysis ID:	08-2602-5211	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.9.3
Analyzed:	08 Sep-22 12:03	**Analysis:**	Untrimmed Spearman-Kärber	**Official Results:**	Yes

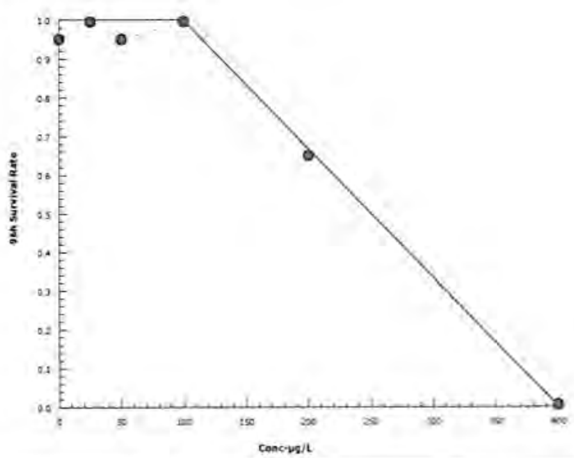
Spearman-Kärber Estimates

Threshold Option	Threshold	Trim	Mu	Sigma	LC50	95% LCL	95% UCL
Control Threshold	0.05	0.00%	2.351	0.03173	224.5	194	259.8

96h Survival Rate Summary

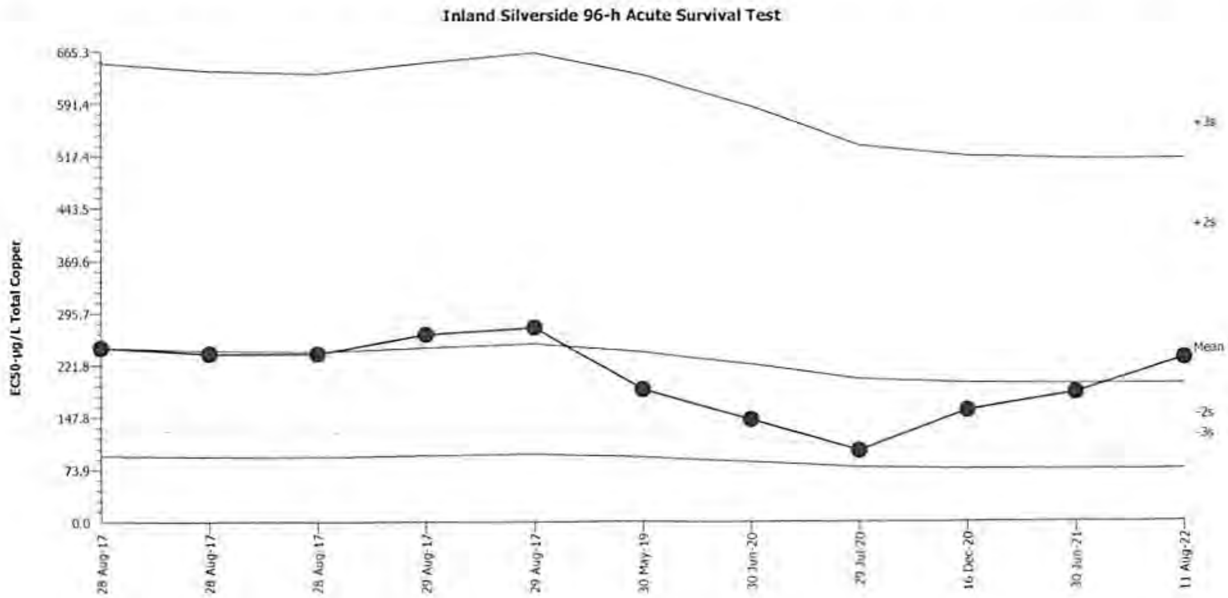
			Calculated Variate(A/B)							Isotonic Variate	
Conc-µg/L	Code	Count	Mean	Min	Max	Std Dev	CV%	%Effect	A/B	Mean	%Effect
0	LC	4	0.9500	0.8000	1.0000	0.1000	10.53%	0.0%	19/20	0.975	0.0%
25		4	1.0000	1.0000	1.0000	0.0000	0.00%	-5.26%	20/20	0.975	0.0%
50		4	0.9500	0.8000	1.0000	0.1000	10.53%	0.0%	19/20	0.975	0.0%
100		4	1.0000	1.0000	1.0000	0.0000	0.00%	-5.26%	20/20	0.975	0.0%
200		4	0.6500	0.4000	0.8000	0.1915	29.46%	31.58%	13/20	0.65	33.33%
400		4	0.0000	0.0000	0.0000	0.0000		100.0%	0/20	0	100.0%

Graphics



Inland Silverside 96-h Acute Survival Test — Wood E&IS

Test Type:	Survival (96h)	**Organism:**	Menidia beryllina (Inland Silverside)	**Material:**	Total Copper
Protocol:	EPA/821/R-02-012 (2002)	**Endpoint:**	96h Survival Rate	**Source:**	Reference Toxicant-REF



Mean:	194.6	**Count:**	10	**-2s Warning Limit:**	102.1	**-3s Action Limit:**	73.92
Sigma:	n/a	**CV:**	33.10%	**+2s Warning Limit:**	371.1	**+3s Action Limit:**	512.4

Quality Control Data

Point	Year	Month	Day	Time	QC Data	Delta	Sigma	Warning	Action	Test ID	Analysis ID
1	2017	Aug	28	14:45	246.2	51.62	0.729			05-6221-4414	04-6865-3585
2			28	15:00	237.8	43.23	0.6216			02-5647-9246	16-8444-3541
3			28	15:15	237.8	43.23	0.6216			16-2996-1022	08-5747-0065
4			29	14:30	265.3	70.65	0.9597			19-4407-9949	10-4418-8065
5			29	14:45	274.8	80.18	1.069			14-6406-6518	18-3021-9635
6	2019	May	30	17:05	186.6	-8.004	-0.1301			07-8855-3464	12-7825-1032
7	2020	Jun	30	11:45	144.1	-50.56	-0.9323			02-0812-0179	20-8741-5473
8		Jul	29	11:10	100	-94.61	-2.063	(-)		19-6384-0247	04-6707-5997
9		Dec	16	15:00	156.9	-37.69	-0.6671			15-3442-5827	18-4429-0647
10	2021	Jun	30	12:00	182	-12.62	-0.2077			05-6222-4958	12-0440-3448
11	2022	Aug	11	16:30	230.8	36.23	0.5291			10-3814-2317	20-1444-6265

Analyst: RN QA: [illegible] 10/11/22

96hr Marine Acute Test with 48hr Renewal

Client: Internal
Project ID: Cu Ref Tox
Test No. 220817mbra

Test Species: *Menidia beryllina*
Start Date/Time: 8/17/22 1005
End Date/Time: 8/21/22 1415

Sample ID (µg/L Cu)	Rep	Counts 0	24	48	72	96	Parameter	Water Quality 0	24	48f	48i	72	96
Lab Control	A	5	5	5	5	5	Temp. (°C)	25.0	25.4	24.8	24.1	25.4	25.2
	B	5	5	5	5	5	Salinity (ppt)	30.0	30.4	30.3	30.1	30.3	30.3
	C	5	5	5	5	4	pH (units)	7.93	7.80	7.80	7.92	7.81	7.85
	D	5	5	5	5	5	DO (mg/L)	7.0	5.9	6.2	7.0	6.0	6.0
25	A	5	5	5	5	5	Temp. (°C)	24.9	25.3	24.7	24.2	25.4	25.2
	B	5	5	5	5	5	Salinity (ppt)	30.1	30.4	30.4	30.1	30.2	30.3
	C	5	5	5	5	5	pH (units)	7.94	7.82	7.80	7.93	7.82	7.86
	D	5	5	5	5	5	DO (mg/L)	7.0	6.1	6.4	7.0	6.0	6.1
50	A	5	5	5	5	5	Temp. (°C)	24.9	25.3	24.4	24.2	25.3	25.2
	B	5	5	5	5	5	Salinity (ppt)	30.1	30.3	30.4	30.1	30.2	30.4
	C	5	5	5	5	4	pH (units)	7.94	7.81	7.78	7.93	7.82	7.86
	D	5	5	5	5	5	DO (mg/L)	7.0	6.2	6.4	6.9	5.9	6.1
100	A	5	5	5	5	5	Temp. (°C)	24.7	25.4	24.7	24.2	25.4	25.1
	B	5	5	5	5	5	Salinity (ppt)	30.0	30.1	30.3	30.1	30.2	30.3
	C	5	5	5	5	5	pH (units)	7.93	7.78	7.77	7.92	7.81	7.85
	D	5	5	5	5	5	DO (mg/L)	7.0	5.9	6.4	7.0	5.9	6.0
200	A	5	3	2	2	2	Temp. (°C)	24.9	25.3	24.7	24.2	25.4	25.2
	B	5	4	4	4	4	Salinity (ppt)	30.0	30.2	30.4	30.0	30.1	30.3
	C	5	5	5	5	4	pH (units)	7.81	7.79	7.78	7.92	7.79	7.85
	D	5	3	3	3	3	DO (mg/L)	7.0	6.1	6.3	7.0	5.9	6.1
400	A	5					Temp. (°C)	24.6	NR				
	B	5	ALL				Salinity (ppt)	29.9		ALL			
	C	5			DEAD		pH (units)	7.83				DEAD	
	D	5					DO (mg/L)	7.0					
	A						Temp. (°C)						
	B						Salinity (ppt)						
	C						pH (units)						
	D						DO (mg/L)						
	Tech Initials:	RJ	RV	JF	AG	SC	Tech Initials:	JF	RV	JF	JF	AG	RV

QC: SC
Date Animals Received: 8/16/22 ABS
Age of Animals at Test Start: 12d

Feedings	0	24	48	72	96
Initials (AM):	–	JF	JF	AB	RV
Initials (PM):	JF				

Comments: NR: Not Recorded

QC Check: RV 9/8/22

Final Review: SC 10/11/22

APPENDIX E

CORRESPONDENCE AND AGENCY MEMORANDA

LETTER FROM THE REGIONAL BOARD REGARDING COMMENTS ON 2012 SIYB TMDL MONITORING AND PROGRESS REPORT (JULY 26, 2013)

Attachment A

Water Boards

California Regional Water Quality Control Board, San Diego Region

July 26, 2013

Mr. Wayne Darbeau
President/CEO
San Diego Unified Port District
3165 Pacific Highway
San Diego, CA 92101

In reply refer to:
Place ID:650648:WChiu

Subject: Comments on 2012 Shelter Island Yacht Basin Total Maximum Daily Load Monitoring and Progress Report

Mr. Darbeau:

In accordance with Provision A.3 of Investigative Order No. R9-2011-0036, as amended, the San Diego Unified Port District (Port District) submitted the *2012 Shelter Island Yacht Basin Total Maximum Daily Load Monitoring and Progress Report* (Report) to the California Regional Water Quality Control Board, San Diego Region (San Diego Water Board) on March 29, 2013. The San Diego Water Board has reviewed the Report and offers the following comments.

Compliance with Dissolved Copper Total Maximum Daily Load (TMDL)

The Shelter Island Yacht Basin (SIYB) TMDL includes the following compliance schedule:

Stage	Required Dissolved Copper Load Reduction	Compliance Date
1	0%	December 1, 2007
2	10%	December 1, 2012
3	40%	December 1, 2017
4	76%	December 1, 2022

The Port District's *Shelter Island Yacht Basin TMDL Implementation Compliance Monitoring Plan* (Monitoring Plan) proposed utilizing data associated with the conversion of boat hulls from copper based anti-fouling paints (AFPs) to alternative AFPs for the purpose of determining compliance with the first load reduction required by the December 1, 2012 compliance date. Based on the data submitted and information provided in the Report, the 10 percent reduction in dissolved copper loading required to demonstrate compliance with the SIYB TMDL by the December 1, 2012 compliance date was achieved.

Because of the progress that the Port District has been able to achieve by implementing the *Shelter Island Yacht Basin Dissolved Copper Total Maximum Daily Load Implementation Plan*

(Implementation Plan), the San Diego Water Board continues to support the dissolved copper load reduction approach described in the Implementation Plan. Converting boat hulls to alternative AFPs with little or no copper is still expected to have the greatest effect on reducing dissolved copper loads discharged to SIYB.

As long as the Port District continues implementing the Implementation Plan and demonstrates progress toward attainment of the dissolved copper load reduction required by the December 1, 2017 compliance date, the San Diego Water Board will continue to forego using its regulatory authority to implement the SIYB TMDL by regulating the discharge of dissolved copper to SIYB under waste discharge requirements (WDRs), conditional waivers of WDRs, waste discharge prohibitions, or through the issuance of enforcement actions. The San Diego Water Board will re-evaluate its regulatory options for implementing the SIYB TMDL after reviewing and considering each subsequent Annual Monitoring and Progress Report.

Monitoring Program Modification Recommendations

In the Report, the Port District recommended several modifications to the monitoring and data collection for the monitoring program, including the following:

a. Remove the free copper ion activity measurement from future monitoring because of the lack of USEPA guidance and time constraints caused by the instrument calibration process;

b. Include the Test of Significant Toxicity (TST) calculation as an additional statistical analysis for reporting toxicity data;

c. Remove the collection of hull registration data (i.e., vessel registration numbers) because of concerns expressed that this information may become part of a public document; and

d. To more accurately calculate the amount of copper loading to SIYB, allow the assumption that vessels with aged copper AFPs have a copper release (i.e. leaching or loading) rate similar to low copper AFPs (0.45 kg/yr) because the research (provided in Appendix E in the Report) indicates copper leach rates degrade over time, particularly after the first 2-3 years after application.

The information and documentation provided to support the Port District's recommendations to modify the monitoring and data collection for the monitoring program are acceptable to the San Diego Water Board. Please revise the Monitoring Plan in accordance with the recommended modifications described and submit it to the San Diego Water Board by September 30, 2013.

In closing, the San Diego Water Board appreciates the Port District's continued leadership and efforts towards achieving the required dissolved copper load reductions in SIYB.

In the subject line of any response, please include the reference number Place ID:650648:wchiu. For questions or comments, please contact Wayne Chiu by phone at 858-637-5558, or by email at wchiu@waterboards.ca.gov.

Respectfully,

David W. Gibson
Executive Officer

DWG:dtb:esb:wc

cc: Bay Club Marina
2131 Shelter Island Drive
San Diego, California 92106

Half Moon Anchorage
2131 Shelter Island Drive
San Diego, California 92106

San Diego Yacht Club
1011 Anchorage Lane
San Diego, California 92106

Shelter Island Marina
2051 Shelter Island Drive
San Diego, California 92106

Silver Gate Yacht Club
2091 Shelter Island Drive
San Diego, California 92106

Southwestern Yacht Club
2702 Qualtrough Street
San Diego, California 92106

Tech Staff Info & Use	
Order No.	R9-2001-0036
Party (GT/CIWQS) ID	NA
File No.	NA
WDID	NA
NPDES No.	NA
Reg. Measure ID	NA
Place ID	650648
Person ID	NA
Inspection ID	NA

CORRESPONDENCE WITH REGIONAL BOARD REGARDING VESSEL TRACKING OF DPR CATEGORY I PAINTS (OCTOBER–NOVEMBER 2015)

Meeting Subject: Discuss the Shelter Island TMDL Progress
Date: October 5, 2015

Attendees: RWQCB, Port, Shelter Island Master Leaseholder Group

The following summarizes some of the items that were discussed during the October 5th meeting on the Shelter Island TMDL. Please note that on Item 1, the Port is requesting a confirmation that the RWQCB agrees with the vessel tracking modifications as summarized herein.

1. Vessel tracking: As discussed at the meeting, the Port and the Shelter Island Master Leaseholders Group (SIMLG) would like to include the DPR Category 1 paints into the annual vessel tracking that will be included in the 2015 annual report. These paints meet the low leach levels set forth by DPR, and will help reduce the basin's copper loads. There continue to be boaters inquiring about the availability of eco-friendly options such as low copper and non-copper paint; including this category provides additional options for boaters and enables them to be a part of the solution. As such, for this coming report the Port and SIMLG are proposing to track the low leach (DPR Category 1) paints similar to the category of low copper (i.e. track as a 0.45kg load) that are currently tracked. This will enable us to understand how the transition to the Category 1 paints is progressing, while concurrently encouraging boaters to use the low leach copper paints.

   Please respond back to the email and let us know if this is acceptable to you.

2. Coordination with state agencies (Department of Pesticide Regulation & State Board): There was discussion on coordinating efforts to encourage DPR to start paint reformulation and remove the Category 2 and 3 leach rate paints from the market. The Port requested assistance from the RWQCB staff on this issue. During the meeting, RWQCB staff indicated that they would talk internally about some approaches to encouraging statewide changes to paints. Some ideas included coordinated letters to the state agencies from the Port and RWQCB, RWQCB staff-level conversations with other coastal RWQCBs, and exploring other avenues for formal or informal requests. It is recommended that this be a main topic for future meetings and it is hoped that some actions (i.e. letters, formal requests, etc.) could be implemented this FY.

   The issue of hull cleaning was also raised, as it appears that loading from this source is greater than the 5% originally estimated. The Port mentioned that hull cleaning was one of the DPR mitigation measures identified in their 2014 AB425 report, but to date, it does not appear that a statewide action has been taken. The Port also requested that the RWQCB assist in efforts to encourage state action on hull cleaning, similar to the options identified for coordinating with DPR on paint reformulation.

3. Evaluation of MAMPEC model: In regards to loading estimates. RWQCB staff had asked if there was any information that would show the extent that DPR Category 1 paints could get the basin toward the compliance target. The Port indicated that the project's consultant team will be further evaluating the MAMPEC model to see if it can predict load reductions if/when all boats in the basin are using the Category 1 paints. New information can be provided as a progress update at the next meeting.

4. Discussion of interim target: During the meeting the concern of the upcoming 2017 was discussed. As stated at the meeting, given that (1) paints associated with the revised DPR leach rate categories were only recently identified (Feb 2015), and (2) higher leach rate paints (Category 2 & 3) are still legal to apply, there is concern that even with accelerated outreach, the conversion process will still take time. As indicated in the issues above, the Port and SIMLG are proposing to track those boats using the newly identified Category 1 paints for the upcoming annual report and understand how the Category 1 paints will reduce copper in the basin, however, there remains uncertainty that without the prompt removal of the higher leach rate paints, the upcoming 2017 interim target may be difficult to achieve. The stakeholders have demonstrated a commitment to continue strategically implementing efforts that will reduce copper loading into the basin. It was suggested that this issue continue to be discussed at further meetings with the RWQCB.

5. Ongoing communication: There was a suggestion to continue having regular meetings to talk about implementation progress on a more frequent basis. The idea of quarterly meetings was mentioned. The Port will be talking to the stakeholders further about timing and topics for a next meeting, potentially at the beginning of 2016.

From: Karen Holman [kholman@portofsandiego.org]
Sent: Monday, November 09, 2015 1:12 PM
To: Haas, Jeremy@Waterboards
Cc: Gorham, Cynthia@Waterboards; Walsh, Laurie@Waterboards; Barker, David@Waterboards; Chan, Julie@Waterboards; Stephanie Bauer; Snyder, Barry
Subject: RE: summary points from Oct 5th SIYB TMDL meeting

Hi Jeremy,
Thank you for the response. Given what you said below, I will inform the others and move forward with the modification to include the Category 1 paints while meeting all requirements of the Investigative Order. The District will clearly identify and articulate the analyses we use so that you and staff understand how we came up with our calculations.

I also look forward to continuing our discussion on the TMDL.

Best,
Karen

From: Haas, Jeremy@Waterboards [mailto:Jeremy.Haas@waterboards.ca.gov]
Sent: Monday, November 09, 2015 12:39 PM
To: Karen Holman
Cc: Gorham, Cynthia@Waterboards; Walsh, Laurie@Waterboards; Barker, David@Waterboards; Chan, Julie@Waterboards
Subject: RE: summary points from Oct 5th SIYB TMDL meeting

Karen,
I don't think we replied back to you regarding your proposed change in vessel tracking for Shelter Island. So, here is my assessment.

The Investigative Order requires certain data to be provided, see section A.3.a. We cannot change our requirements without taking an amendment to the Executive Officer or Board for consideration. What you're proposing is basically an addition to the annual monitoring and progress reports (section A.3). You propose to track the low leach (DPR Category 1) paint use in the Basin. In that sense, your proposal is acceptable.

The Order intentionally doesn't limit the data and info that the District can submit. And it doesn't limit the ways in which the District analyzes the information. Provided the District still submits the information that the Order requires and is transparent about any changes in analyses, I do not see a problem with tracking the low-leach paints.

I also understand that convesion to the DPR-approved leach rate alone likely will not be enough to reach the TMDL targets. I look forward to our continued discussion on

Jeremy Haas
Environmental Program Manager
Healthy Waters Branch
California Regional Water Quality Control Board, San Diego Region
(619) 521-3009 work/voice mail
jeremy.haas@waterboards.ca.gov
http://www.waterboards.ca.gov/sandiego

From: Karen Holman [mailto:kholman@portofsandiego.org]
Sent: Wednesday, October 21, 2015 9:27 AM
To: Haas, Jeremy@Waterboards; Gorham, Cynthia@Waterboards; Sarabia, Hiram@Waterboards
Cc: Stephanie Bauer
Subject: summary points from Oct 5th SIYB TMDL meeting

RWQCB team,
As stated earlier, we appreciate your openness to meet with us to discuss the ongoing progress on the SIYB TMDL. I had indicated in my earlier email that I would be sending you a summary of some of the key points that we discussed in an effort to memorialized them and keep our forward progress on moving things ahead. I really liked the suggestion that we continue to meet on a regular (ie quarterly) frequency so that we are all synch moving forward.

That said, please find attached a summary of some of the key points that were discussed during our meeting on Oct 5th. Also note, that we are seeking your concurrence on point 1 in the attachment that refers to updates to our vessel tracking for this coming report. I have also re-attached the sign in and presentation for your convenience.

As always, I am available for any questions you may have.

Respectfully,
Karen

Unified Port of San Diego

Karen Holman, Dept Manager,
Environmental & Land Use Management
PORT OF SAN DIEGO
3165 Pacific Highway Ÿ San Diego, CA 92101
O: 619.725-6073

LETTER TO THE REGIONAL BOARD REQUESTING VERIFICATION OF 2017 INTERIM COMPLIANCE (JUNE 28, 2018)

PORT of SAN DIEGO
Waterfront of Opportunity

June 28, 2018

California Regional Water Quality Control Board
San Diego Region
2375 Northside Drive, Suite 100
San Diego, CA 92108-2700
Attn: Mr. Wayne Chiu,

Subject: Request for verification of interim and final compliance targets for the Shelter Island Yacht Basin Dissolved Copper Total Maximum Daily Load Monitoring (TMDL)

Dear Mr. Chiu,

We thank you for meeting with the San Diego Unified Port District (Port) and Shelter Island Master Leaseholders Group (SIMLG) on May 24, 2018 to discuss the progress on the Shelter Island Yacht Basin TMDL and receive the findings from the 2017 TMDL Monitoring and Progress Report (2017 Report). We appreciate your time and commitment to this project.

As presented in the 2017 Report and discussed at the meeting, the District and the SIMLG continue to make diligent efforts to implement best management practices and reduce copper loads. We believe we continue to be in compliance with the TMDL. Moreover, as presented in the 2017 Report, a 45.4% load reduction was documented which surpasses the 2017 interim load reduction compliance target of 40%. It is our understanding from that meeting, that the 2017 interim target has been achieved. In addition, we also clarified that compliance with the final TMDL phase is the requirement to reduce copper loading to 567kg/yr., a 76% load reduction.

Having a clear understanding of compliance is critical as we approach the final phase of this TMDL and set our sights on successfully meeting the 76% loading reduction requirement. As such, the District is providing this letter to (1) memorialize our discussion at the May 24th meeting, and (2) respectfully request written confirmation from the Regional Board for the following items:

1. Confirmation that the 45.4% load reduction identified in 2017 Report and its supporting data satisfies the 2017 interim compliance target.

2. Confirmation of the final compliance target (567 kg/yr. copper loading) and compliance expectations (compliance based on copper loading).

We look forward to receiving your response. On behalf of the District we appreciate your continued support and participation and look forward to working with you as we embark on the final phase of this TMDL.

Please feel free to contact me at (619) 725-6073 or Kelly Tait at (619) 686-6372 if you have any questions on the TMDL Report or any other copper reduction efforts the District is undertaking.

Respectfully,

Karen Holman
Director, Environmental Protection
San Diego Unified Port District

KH/aa
CC via email:
Randa Coniglio, Jason H. Giffen, Kelly Tait, John Carter, Port
Shelter Island Master Leaseholders Group
Sharon Cloward, SDPTA

D2#1525641

LETTER FROM THE REGIONAL BOARD REGARDING REVIEW OF 2017 SIYB TMDL MONITORING REPORT (SEPTEMBER 11, 2018)

September 11, 2018

Karen Holman
Director, Environmental Protection
San Diego Unified Port District
3165 Pacific Highway
San Diego, CA 92101

In reply refer to / attn:
CW-650648:jhaas

Via email only: kholman@portofsandiego.org

Subject: REVIEW OF 2017 MONITORING REPORT, SHELTER ISLAND YACHT BASIN COPPER TMDL

Dear Ms. Holman,

Staff of the California Regional Water Quality Control Board, San Diego Region (San Diego Water Board) have reviewed the 2017 TMDL Monitoring and Progress Report (2017 Report) submitted in March 2018 regarding progress on the Shelter Island Yacht Basin Dissolved Copper Total Maximum Daily Load (Shelter Island TMDL). The Shelter Island Yacht Basin is a popular recreational marina located in the north end of San Diego Bay. The San Diego Water Board appreciates the San Diego Unified Port District (Port District) efforts to protect and restore water quality so that the Basin's water can support beneficial uses for people and wildlife.

The most sensitive beneficial uses of the Yacht Basin's waters are those designated for protection of marine aquatic life and aquatic dependent wildlife. Those beneficial uses are threatened or impaired due to elevated levels of dissolved copper. Copper used in antifouling paints to prevent buildup of marine organisms on a vessel's hull can leach into the environment where, even at low concentrations, it is toxic to a variety of aquatic organisms and is persistent in the environment. The combination of the large number of recreational vessels and reduced tidal flushing at Shelter Island Yacht Basin has resulted in concentrations of dissolved copper that exceed numeric water quality objectives for dissolved copper and narrative water quality objectives for toxicity and pesticides.

Twenty-two years ago (in 1996), the San Diego Water Board placed the Shelter Island Yacht Basin on the Clean Water Act Section 303(d) List of Water Quality Limited Segments due to elevated levels of dissolved copper in the water column. The San Diego Water Board adopted the Shelter Island TMDL in 2005, and the USEPA granted final approval of the TMDL in February 2006.

The TMDL calculated and established a loading capacity for dissolved copper discharges into the Shelter Island Yacht Basin of 1.6 kilograms/day or 567 kilograms/year. That meant that a 76 percent overall reduction of residual copper loading to the Yacht Basin would be required to restore the marine aquatic life and aquatic dependent wildlife beneficial uses. The TMDL established a phased compliance schedule for achieving that reduction as follows:

Interim Loading Targets for Attainment of the TMDL			
Stage	Time Period	Percent Reduction from Current Estimated Loading	Estimated Interim Target Loading (kg/year of dissolved Cu)
Stage 1	Years 1-2	0%	n/a
Stage 2	Years 2-7	10%	1,900
Stage 3	Years 7-12	40%	1,300
Stage 4	Years 12-17	76%	567

The TMDL schedule was based on a timeline intended to minimize adverse economic impact to the boating community from the transition to alternative boat hull paints that were less toxic than the paints used when the TMDL was adopted in 2005. The TMDL schedule recognized that within 15 years, new boats docked in the Yacht Basin could reasonably be painted with nontoxic or less toxic coatings, and that the copper coating on existing boats could reasonably be replaced with nontoxic or less toxic coatings during routine hull stripping.

Notably, in 2013 Governor Brown signed Assembly Bill 425 (Atkins) and directed the Department of Pesticide Regulation (DPR) to establish a leach rate for copper-based antifouling paints to protect aquatic environments from the effects of exposure to copper-based antifouling paints. In January 2018 DPR issued its final decision to establish a maximum allowable copper leach rate of 9.5 $\mu g/cm^2$/day for all copper-based antifouling paint and coating products labeled for use on recreational vessels. DPR's new restrictions on copper-based antifouling paints and coatings became effective as of July 1, 2018.[1]

The Port District's 2017 Report marks the end of Stage 3 of the interim loading targets, and suggests that overall the Yacht Basin is meeting the 40 percent reduction target as a result of improved use of best management practices and vessel conversions to less toxic hull coatings.

Thus, in large part to the leadership of the Port District, loadings of dissolved copper have been significantly reduced even prior to the new DPR rule. With DPR's copper paint regulations newly in effect, both the Port District and the San Diego Water Board expect to see reductions in dissolved copper over the next few years.

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[1] Information on DPR's program is at
https://www.cdpr.ca.gov/docs/registration/reevaluation/chemicals/antifoulant_paints.htm

(footnote continued on next page)

The 2017 Report also provides some water quality measurements to assess the status of the beneficial uses. Consistent with results of previous years, the 2017 data show dissolved copper continues to exceed the Water Quality Objectives at most sampling locations,[2] although only the two stations farthest inside the basin had statistically significant effects on developing mussel larvae (stations SIYB-1 and SIYB-2, see Attachment 1). While the dissolved copper loading rates are an indicator of progress toward TMDL attainment, ultimately water quality data as reported to the USEPA pursuant to Clean Water Act sections 305b and 303d will determine whether the beneficial uses are attained.

Both the Port District and the San Diego Water Board have recognized that the new DPR paint regulations cannot solely be relied upon to achieve the TMDL's final target and restore the impaired beneficial uses.[3] Ongoing and additional efforts by the Port District to ensure best management practices for paints and associated marina activities, combined with the new DPR regulations, provide a pathway for success. The San Diego Water Board has confidence in the Port District's leadership toward achieving the TMDL targets and restoring the beneficial uses.

For further questions regarding the Shelter Island TMDL, please contact Jeremy Haas at 619-521-3009 or Jeremy.Haas@waterboards.ca.gov.

Respectfully,

JAMES G. SMITH
Assistant Executive Officer

JGS:jch

Attachment: Shelter Island Yacht Basin Sampling Locations, from 2017 Report

cc via email:
Kelly Tait, San Diego Unified Port District
Sharon Cloward, San Diego Unified Port District Tenants Association
Ruth Kolb, City of San Diego
Sue Keydel, USEPA Region IX
Jeremy Haas, Cynthia Gorham, Laurie Walsh, Wayne Chiu, San Diego Water Board

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[2] Five of the six sampling stations exceeded the California Toxics Rule (CTR) criterion continuous concentration (CCC) water quality objective (WQO) of 3.1 µg/L, and four of the six stations exceeded the CTR acute criterion maximum concentration (CMC) WQO (4.8 µg/L).

[3] See Feb. 24, 2015 letter to DPR from the Port District and San Diego Water Board.

Attachment: Shelter Island Yacht Basin sampling locations. Figure 2-1 from the 2017 Report

Figure 2-1. Shelter Island Yacht Basin TMDL Sampling Station Locations

REGIONAL BOARD EXECUTIVE OFFICER'S REPORT
(OCTOBER 10, 2018)

and viable ecological habitat. These activities, in combination with military land use activities and natural environmental conditions, have the potential to cause contaminated soil to become airborne and accumulate in areas where impacts to human and ecological receptors could occur, such as the military housing, school, and playground just east of the Agricultural Fields.

Discharges from the West Agricultural Fields and Maintenance Facility Compound to the Creek, Estuary, and Pacific Ocean pose a threat to water quality, designated beneficial uses, and ecological and human receptors. San Diego Water Board staff will continue efforts to stop these discharges and will update the Board as new information becomes available.

4. Shelter Island Yacht Basin Dissolved Copper TMDL Meets Stage 3 Milestone on Time

Staff Contact: Jeremy Haas

The Shelter Island Yacht Basin is a popular recreational marina located in the north end of San Diego Bay. Twenty-two years ago (in 1996), the San Diego Water Board placed the Shelter Island Yacht Basin on the Clean Water Act Section 303(d) List of Water Quality Limited Segments due to elevated levels of dissolved copper in the water column. The San Diego Water Board adopted the Shelter Island TMDL in 2005, and the USEPA granted final approval of the TMDL in February 2006. Since then the San Diego Unified Port District (Port District) has been working with marinas and the boating community in the Yacht Basin to reduce copper loading. Earlier this year, the Port District submitted the 2017 annual report on the progress of the Shelter Island TMDL.

The Shelter Island Yacht Basin

The Port District's 2017 Report demonstrates that overall the Yacht Basin is meeting the 40 percent reduction target set by the San Diego Water Board as an interim loading target to be met by 2018. The Port attributes the success to improved use of best management practices and vessel conversions to less toxic hull coatings.

The most sensitive beneficial uses of the Yacht Basin's waters are those designated for protection of marine aquatic life and aquatic dependent wildlife. Those beneficial uses are threatened or impaired due to elevated levels of dissolved copper. Copper used in antifouling paints to prevent buildup of marine organisms on a vessel's hull can leach into the environment where, even at low concentrations, it is toxic to a variety of aquatic organisms and is persistent in the environment.

The TMDL required that a 76 percent overall reduction of residual copper loading to the Yacht Basin to restore the marine aquatic life and aquatic dependent wildlife beneficial uses. The TMDL established a phased compliance schedule for achieving that reduction as follows:

Interim Loading Targets for Attainment of the Shelter Island Yacht Basin Dissolved Copper TMDL			
Stage	Time Period	Percent Reduction from Current Estimated Loading	Estimated Interim Target Loading (kg/year of dissolved Cu)
Stage 1	Years 1-2	0%	n/a
Stage 2	Years 2-7	10%	1,900
Stage 3	Years 7-12	40%	1,300
Stage 4	Years 12-17	76%	567

Notably, in 2013 Governor Brown signed Assembly Bill 425 (Atkins) and directed the Department of Pesticide Regulation (DPR) to establish a leach rate for copper-based antifouling paints to protect aquatic environments from the effects of exposure to copper-based antifouling paints. In January 2018 DPR issued its final decision to establish a maximum allowable copper leach rate of 9.5 $\mu g/cm^2$/day for all copper-based antifouling paint and coating products labeled for use on recreational vessels. DPR's new restrictions on copper-based antifouling paints and coatings became effective as of July 1, 2018.[4]

The 2017 Annual Report also provides some water quality measurements to assess the status of the beneficial uses. Consistent with results of previous years, the 2017 data show dissolved copper continues to exceed the Water Quality Objectives at most sampling locations,[5] although only the two stations farthest inside the basin had statistically significant effects on developing mussel larvae (stations SIYB-1 and SIYB-2, see Attachment 1). While the dissolved copper loading rates are an indicator of progress toward TMDL attainment, ultimately water quality data as reported to the USEPA pursuant to Clean Water Act sections 305b and 303d will determine whether the beneficial uses are attained.

Both the Port District and the San Diego Water Board have recognized that the new DPR paint regulations cannot solely be relied upon to achieve the TMDL's final target and restore the impaired beneficial uses. Ongoing and additional efforts by the Port District to ensure best management practices for paints and associated marina activities, combined with the new DPR regulations, provide a pathway for success.

[4] Information on DPR's program is at https://www.cdpr.ca.gov/docs/registration/reevaluation/chemicals/antifoulant_paints.htm

[5] Five of the six sampling stations exceeded the California Toxics Rule (CTR) criterion continuous concentration (CCC) water quality objective (WQO) of 3.1 µg/L, and four of the six stations exceeded the CTR acute criterion maximum concentration (CMC) WQO (4.8 µg/L).

In conclusion, in large part to the leadership of the Port District, loadings of dissolved copper have been significantly reduced even prior to the new DPR rule. With DPR's copper paint regulations newly in effect, reductions in dissolved copper should be observed over the next few years.

5. Partnering for a Cleaner River Bed, San Diego River

Staff Contact: Sheila Christine McQuaid Moran

It all started with a question – Can the Water Board help? Even though we were not sure how, our answer was "yes" because this project spoke directly to the Water Board's mission "to protect, enhance, and restore the quality of California's water resources" and aligned with the goals of our region's Practical Vision. In the end, not only was it possible, it made a significant impact and strengthened meaningful relationships with public and private partners.

What were we asked to do? The San Diego River Park Foundation (Foundation) needed us to combine services with the California Department of Fish and Wildlife (CDFW) to provide temporary dumpsters for the cleanup efforts of the Foundation to remove thousands of pounds of trash left behind after law enforcement cleared out a large transient encampment along the river in April 2017. Media coverage at the time provided perspective of what the Foundation was facing with this cleanup. One of the articles stated the encampment spanned almost an acre along the San Diego River near the 5900 block of Fairmont Avenue and was filled with tents, trash, waste, and what appeared to be a chop shop for stolen bicycles.[6] Another article estimated that encampment held about 50 tons of trash.[7] Both shared concerns for human health hazards and destruction of the habitat in that area as debris went right up to the edge of the river.

While we could not offer staff to assist in the cleanup, we could find funds to help with proper disposal of the waste. This would be a new type of partnership for us and required review and input from the State Water Board Division of Administrative Services (DAS). Initially, we considered the dumpsters and waste hauling to be a service, which could be done with a fairly simple service order. However, upon review of our request, DAS suggested the activities better aligned with the purposes of the State Board's Cleanup and Abatement Account (CAA) managed by the Division of Financial Assistance (DFA). Switching course and working with DAS, DFA, the Foundation, and potential contractors, we rapidly secured $4,836.00 to cover up to six dumpsters for the cleanup and disposal of waste from the large abandoned encampment during the period of May 17, 2017 – June 30, 2017 (see June 2017 EO Report).

Our continued task beyond the initial setup of funding was to manage the CAA contract and be a liaison between the Foundation and our contractor, EDCO Disposal Corporation (EDCO), to coordinate the delivery and removal of the dumpsters during the last month and a half of Fiscal Year 16. However, the contractor unexpectedly decided not to charge for tonnage fees. As a result, money left from the original cleanups in Fiscal Year 16 could support cleanups further down the river to the end of Fiscal Year 17 (June 2018). We coordinated dumpsters for a few more events until we estimated funds would be fully expended. Again, EDCO, the contractor, surprised us by listing all the dumpsters provided in Fiscal Year 17 as donations instead of

[6] https://www.10news.com/news/volunteers-clean-up-massive-homeless-encampment-along-san-diego-river-in-mission-valley

[7] https://www.kpbs.org/news/2017/apr/26/volunteers-clean-large-san-diego-homeless-camp/

CORRESPONDENCE WITH REGIONAL BOARD REGARDING MODIFICATIONS TO 2022 SIYB TMDL TOXICITY TESTING PROGRAM (AUGUST 2022)

From: Haas, Jeremy@Waterboards <Jeremy.Haas@waterboards.ca.gov>
Sent: Thursday, August 11, 2022 12:29 PM
To: kholman <kholman@portofsandiego.org>
Cc: Snyder, Barry <barry.snyder@woodplc.com>; Gorham, Cynthia@Waterboards <Cynthia.Gorham@waterboards.ca.gov>; Loflen, Chad@Waterboards <Chad.Loflen@waterboards.ca.gov>
Subject: RE: Toxicity testing modification request for upcoming Port SIYB TMDL monitoring (PIN CW-879375)

CAUTION: External email. Please do not click on links/attachments unless you know the content is genuine and safe.

Karen, thank you for speaking with me yesterday after our Board meeting about the Port's request for a potential and temporary modification of the toxicity testing required by Investigative Order No. R9-2011-0036. The Port may proceed with the alternative toxicity testing option for the 2022 monitoring event identified in your 8/8/2022 request (copy attached).

Investigative Order No. R9-2011-0036 is an Order Directing San Diego Unified Port District to Submit Technical Reports Pertaining to Shelter Island Yacht Basin Dissolved Copper Total Maximum Daily Load. The results of the Port's proposed alternative will provide meaningful information for assessing potential aquatic toxicity from the concentrations of dissolved copper in the Shelter Island Yacht Basin.

If you expect chronic difficulty procuring supply of Topsmelt, then please consider meeting with the Board after evaluation of this year's data to discuss potential amendments to the Investigative Order. Meanwhile, we look forward to seeing and discussing the results of this year's monitoring event.

Jeremy Haas
Chief, Healthy Waters Branch
San Diego Water Board
Jeremy.haas@waterboards.ca.gov
619-521-3009
https://www.waterboards.ca.gov/sandiego/

From: Haas, Jeremy@Waterboards
Sent: Wednesday, August 10, 2022 1:03 PM
To: Karen Holman <kholman@portofsandiego.org>
Cc: Snyder, Barry (barry.snyder@woodplc.com) <barry.snyder@woodplc.com>
Subject: RE: Toxicity testing modification request for upcoming Port SIYB TMDL monitoring

Karen (and Barry), we understand the issue you're having with supplies of Topsmelt. Is there an alternative that would use acute tox tests for invertebrates rather than fish? That might provide meaningful information. If that's not a feasible option, then I don't forsee any problem with your suggestion. Please let me know, and then I'll draft up a short letter. If you want to discuss it, we can talk Thursday or Friday.

-Jeremy

From: Karen Holman <kholman@portofsandiego.org>
Sent: Monday, August 8, 2022 11:12 AM
To: Haas, Jeremy@Waterboards <Jeremy.Haas@waterboards.ca.gov>
Cc: Gibson, David@Waterboards <David.Gibson@waterboards.ca.gov>; Snyder, Barry (barry.snyder@woodplc.com) <barry.snyder@woodplc.com>
Subject: Toxicity testing modification request for upcoming Port SIYB TMDL monitoring
Importance: High

EXTERNAL:

HI Jeremy,
Our SIYB TMDL requires toxicity monitoring which we conduct each summer for both acute and chronic toxicity testing. In the past few years, we have run into challenges with the Topsmelt test due to fish availability and overall health of the test fish. This year as we are leading up to the monitoring later in the month, we are running into the same complications with availability and shipping Our consultant team has been exploring this carefully and has identified an option that the Port feels makes sense.

Please see the attached request from our consultant, Wood Environmental with an explanation of the modification we would like to do for this upcoming monitoring.

It is my understanding that changes to our monitoring plan need to be accepted by you.

As such, I am providing the attached letter and requesting that the Regional Board accept this modification to the monitoring for this summer's SIYB TMDL sampling. WE will include langue in the monitoring plan to reflect this change, if so approved.

Please let me know if this is approved. And if you have any questions, please feel free to give me a call and I'd be glad to discuss.

Respectfully,

Karen Holman
Director, Environmental Protection

3165 Pacific Highway, San Diego, CA 92101
(o) (619) .725.6073 • (c) 619.889.2247

Environmental Protection: Pollution Prevention. Healthy Ecosystems. Enhanced Experiences.

PORT of SAN DIEGO

connect:

Wood Environment & Infrastructure Solutions, Inc.
9177 Sky Park Court
San Diego, CA 92123
T: 858-300-4300
www.woodplc.com

August 5, 2022

Ms. Karen Holman
Port of San Diego
3165 Pacific Highway
San Diego, CA 92101

Subject: Proposed Modifications to the 2022 Toxicity Testing Program for the SIYB TMDL

Dear Ms. Holman:

Wood Environment & Infrastructure Solutions, Inc. (Wood) is submitting this letter to request modifications to the toxicity testing program for the 2022 Shelter Island Yacht Basin (SIYB) Dissolved Copper Total Maximum Daily Load (TMDL) summer water quality monitoring event.

To date, the annual compliance toxicity testing program for the SIYB TMDL has consisted of (1) a 96-hour acute bioassay test using Pacific topsmelt (*Atherinops affinis*) and (2) a 48-hour chronic bioassay test using the Mediterranean mussel (*Mytilus galloprovincialis*). However, there are many challenges associated with using topsmelt for toxicity testing because there is only one supplier of Pacific topsmelt in the United States (Aquatic Biosystems in Colorado), and these organisms are difficult to maintain in a laboratory setting.

Due to these test organism supplier issues, it may not be possible to obtain the number of topsmelt needed to perform the acute toxicity testing with the full dilution series (i.e., 0%, 25%, 50%, and 100% sample concentrations) for the 2022 SIYB TMDL summer monitoring event. Similar issues with topsmelt availability, as well as overall organism health and sensitivity, have also been encountered in prior monitoring years for the SIYB TMDL.

The SIYB TMDL Monitoring Program does not currently include an alternate test species to use if issues are encountered with the primary test species (i.e., Pacific topsmelt). However, the inland silverside (*Menidia beryllina*) is an EPA-approved alternate test species for Pacific topsmelt that is commonly used in environmental compliance testing at the Wood Aquatic Toxicology Laboratory, throughout the state of California,[1] and nationwide. In addition, there are multiple suppliers of the inland silverside, which are much easier to culture in a laboratory environment.

[1] *Menidia beryllina* is a San Diego Regional Water Quality Control Board-approved alternate test species for Pacific topsmelt in several National Pollutant Discharge Elimination System (NPDES) permits in San Diego County, including Naval Base San Diego NPDES No. CA0109169 and Scripps Institution of Oceanography NPDES No. CA0107239. *Menidia* is also a federally accepted species for toxicity testing as listed in 40 CFR Part 136 (https://www.epa.gov/cwa-methods/whole-effluent-toxicity-methods).

As such, Wood is proposing to conduct acute toxicity tests using both Pacific topsmelt and inland silversides for the 2022 summer water quality monitoring event. This would include the following modifications to the toxicity testing program:

- Perform routine compliance acute toxicity testing using Pacific topsmelt with the limited test organism supply that is available. This may require the testing procedure to be modified to eliminate one or more dilutions if there is an insufficient number of organisms available to perform testing on the full dilution series.
- Perform concurrent acute toxicity testing using the inland silverside (*Menidia beryllina*). Testing would be performed in accordance with the same test procedures used for the Pacific topsmelt (EPA/821/R-02/012) and described in the SIYB TMDL Monitoring Plan and Quality Assurance Project Plan.

Conducting concurrent testing using Pacific topsmelt and the inland silverside will provide comparative data from both species that could be used to evaluate the inland silverside as a potential alternate test species for future toxicity testing in SIYB.

Please let me know if you need any additional information or clarification.

Sincerely,

Barry J. Snyder

Barry J. Snyder
2022 SIYB Dissolved Copper TMDL Project Manager
Wood Environment & Infrastructure Solutions, Inc.
Tel: 858-300-4320
barry.snyder@woodplc.com

cc: Steve Carlson
2022 SIYB Dissolved Copper TMDL Toxicity Laboratory Project Manager
Wood Environment & Infrastructure Solutions, Inc.

cc: Chris Stransky
2022 SIYB Dissolved Copper TMDL Toxicology Quality Assurance Officer
Wood Environment & Infrastructure Solutions, Inc.

LETTER FROM THE REGIONAL BOARD REGARDING SIYB TMDL 2022 COMPLIANCE DATE (OCTOBER 5, 2022)

San Diego Regional Water Quality Control Board

October 5, 2022

In reply refer to: CW-879375

via email: see distribution list

Shelter Island Yacht Basin Copper TMDL 2022 Compliance Date

Dear Interested Parties of the Shelter Island Yacht Basin,

The San Diego Water Board acknowledges and appreciates that the Port of San Diego and the recreational boating community and industry have worked toward reducing the level of dissolved copper in the Shelter Island Yacht Basin since 2005. Reducing copper in the yacht basin helps protect the marine environment from the toxic and community-altering effects of copper pesticide that leaches from typical recreational boat hull coatings. Those effects are what prompted the San Diego Water Board in 2005 to adopt Resolution No. R9-2005-0019*, A Resolution Adopting an Amendment to the Water Quality Control Plan for the San Diego Region to Incorporate a Total Maximum Daily Load for Dissolved Copper in the Shelter Island Yacht Basin, San Diego Bay* (TMDL Resolution).

In accordance with Clean Water Act section 303d, a TMDL establishes the maximum amount of a pollutant allowed to be discharged into in a waterbody and serves as the starting point or planning tool for restoring water quality. The TMDL Resolution identified an implementation plan for achieving the calculated TMDL.

Biological effects in Shelter Island Yacht Basin are described in the TMDL Resolution, and the alteration of the benthic community in the basin from copper was subsequently documented in Neira, et al. 2012.[1] Based on recent monitoring conducted by the Port and by the Department of Pesticide Regulation (DPR), however, the numeric targets for dissolved copper in the basin will not be achieved by the TMDL Resolution's goal of December 2022.

[1] *Macrobenthic community response to copper in Shelter Island Yacht Basin, San Diego Bay, California*. Marine Pollution Bulletin, Volume 62, Issue 4, April 2011, Pages 701-717

Improved Long-term Prospects

There is evidence copper loading has been and will continue to be reduced as a result of newer DPR regulations and the public and private management efforts within the basin. Studies documenting harmful levels of copper in Shelter Island and other marinas drove the legislature to direct DPR to review and update its regulations for copper-based anti-fouling hull paints. In 2018, updated DPR regulations established maximum allowable copper leach rates in hull coatings below what had been the industry standard.[2]

Since passive leaching of copper from boat hulls accounts for up to 92 percent of copper loading to the basin, reductions of copper leached from boat hull coatings has rightly been the focus of management and regulatory actions.

Indeed, the continued exceedance of copper water quality objectives in the basin is despite extensive efforts by the Port of San Diego and its partners to educate and engage the public, incentivize use of alternate coatings, standardize, and improve in-water hull cleaning, and test use of natural and engineered technologies to reduce loadings or effects of copper.

Although the water quality goals have not been achieved, the leadership, hard work and spirit of engagement displayed by the Port and stakeholders have improved the management and use of copper-based hull coatings and the prospects for long-term ecological health of the Shelter Island Yacht Basin. This strategy can and must be applied to protect water quality in other marinas in the Bay and San Diego region that are experiencing adverse effects from copper hull coatings.

Moving Forward Beyond 2022: Collaboration and a Focus on Ecological Integrity

Consistent with Resolution R9-2021-0116 adopted in December 2021, the San Diego Water Board is committed to evaluating revisions to the Shelter Island copper TMDL and/or its implementation plan. Our approach will be based on our Practical Vision and its core values and the Strategy for a Healthy San Diego Bay. Accordingly, we will center our review on the key beneficial uses of habitats and ecosystems in the basin, rather than conducting a narrow review of dissolved copper concentrations.

[2] DPR 2018, Final Decision Concerning Reevaluation of Copper Based Antifouling Paint Pesticides,

This will start with assessments of aquatic life beneficial uses in the Shelter Island Yacht Basin that will adapt with new tools to enable accurate and meaningful assessments of ecosystem health. For instance, we recently solicited public comments on a strategic assessment approach for the Bay's habitats. We are also funding development of eelgrass habitat integrity models and metrics as a potential indicator of biological integrity.

Focusing on ecological assessments and effects is consistent with statements from various stakeholders at the Port's July 2022 Board meeting. There, Commissioners and others expressed a desire for moving forward with a collaborative review of ways to focus TMDL management on the biological integrity of the basin. The following week, I had similar discussions during a Port tenant meeting at the Sportfishing Landing.

When we begin our review in 2023, we will create collaborative and productive working relationships with all interested local stakeholders. We will keep open conversations with our partner State agencies at DPR, Coastal Commission, Fish and Wildlife, and others. Since DPR has primary jurisdiction over the registration and use of pesticides in California, which may constrain management actions, we will particularly engage DPR to share information, collaborate on water body assessment, and identify efficacy of the DPR release cap.

As we prepare for the next phase, all parties should recognize and consider that reopening a TMDL is a multi-year endeavor with several potential regulatory and non-regulatory outcomes. Assessments of ecological conditions, stressors, and sources of stressors will direct us to the appropriate potential amendments.

We may, for instance, consider amending the TMDL dates, implementation plan, and/or targets. In light of newer information, we will likely revisit assumptions in the TMDL Resolution regarding the role of and impacts to the basin's sediments, copper loading sources, and ecosystem effects. Further, given evidence of adverse impacts in other marinas in the Bay[3] and region, we may broaden our geographic scope and/or regulatory actions.

[3] E.g., see Biggs and D'Anna (2012), *Rapid Increase in Copper Concentrations in a New Marina, San Diego Bay*. Marine Pollution Bulletin, Volume 64, Issue 3, March 2012, Pages 627-635.

Conclusion

The conditions at Shelter Island Yacht Basin, like several other marinas in southern California, create water quality environments that challenge the ability to support and protect beneficial uses. Dense boat moorings and areas of restricted hydrologic circulation constrain the basin's capacity to assimilate certain pollutants. However, this basin also has a community of people who are committed to restoring and preserving a healthy water environment. The challenges facing water quality in the basin are not insurmountable and must be addressed.

To address those challenges, we look forward to continuing our relationship with the Port, its tenants, boaters, and the rest of the community to restore and preserve a healthy Shelter Island Yacht Basin and San Diego Bay. For questions about our efforts in the Shelter Island Yacht Basin, please contact Jeremy Haas, Environmental Program Manager, at 619-521-3009 or Jeremy.Haas@waterboards.ca.gov.

Sincerely,

DAVID GIBSON
Executive Officer
DWG:kd:jh

Distribution List:
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Vanessa Metz, Vanessa.Metz@coastal.ca.gov

LETTER TO THE REGIONAL BOARD REGARDING PORT'S COMMITMENT TO SIYB TMDL IMPLEMENTATION (JANUARY 25, 2023)

PORT of SAN DIEGO

VIA EMAIL

January 25, 2023

David Gibson, Executive Officer
California Regional Water Quality Control Board, San Diego Region
2375 Northside Drive, Suite 100
San Diego, CA 92108-2700

Subject: San Diego Unified Port District Commitment to Implementing the Shelter Island Yacht Basin TMDL

Dear Mr. Gibson:

The San Diego Unified Port District (Port) received and reviewed your October 5, 2022 letter related to the Shelter Island Yacht Basin Dissolved Copper Total Maximum Daily Load (SIYB TMDL). The Port appreciates and acknowledges your recognition of the efforts that have been taken towards reducing copper in the yacht basin and throughout the San Diego Bay.

As a state-designated trustee of San Diego Bay and its tidelands, the Port is continuously pursuing multiple paths to achieve its mission which includes championing the environment and promoting commerce, navigation, fisheries, and recreation for the people of the state of California. As such, the Port is dedicated to protecting the beneficial uses of San Diego Bay, as well as improving water quality and health of the bay and the surrounding tidelands. This includes addressing impairments such as those identified in the SIYB TMDL caused by dissolved copper.

The Port acknowledges the challenges in reducing copper inputs resulting from legally available copper-based antifouling paints (Copper AFPs). Since the implementation of the SIYB TMDL, the Port has, in a collaborative manner working with stakeholders and other TMDL named parties, planned and implemented all the requirements of Investigative Order No. R9-2011-0036, per the SIYB TMDL and associated copper loading model. Attached to this letter is a technical summary of the Port's highlights and achievements over the course of the SIYB TMDL.

The Port remains committed to working with your agency, the Department of Pesticide Regulation (DPR), and the other SIYB TMDL stakeholders. Although the final TMDL year has concluded, the Port will continue to implement a variety of focused initiatives to assess bay health, evaluate status and trends, and complete projects that improve and enhance the bay's habitats, ecosystems and beneficial uses, as well as completing the final year's reporting. To that end, the various water, sediment and benthic community monitoring studies highlighted in the attached summary provide a substantial amount of data that will be valuable when starting the upcoming SIYB TMDL re-evaluation.

As we move into the next phase, the Port would respectfully request that the upcoming SIYB TMDL re-evaluation include a thorough assessment of practical and feasible source control measures as part of the initial development approach. In doing so, our region may be able to identify viable regulatory approaches that address legally available copper sources and avoid the endpoints that we face today. As part of this process, the Port would strongly encourage coordination with DPR to discuss solutions related to Copper AFPs and develop a coordinated effort statewide for approaches to mitigate environmental impacts.

We appreciate the continued collaboration on our agencies' shared goals of protecting beneficial uses, improving water quality, and working together both as a regulator and partner to holistically evaluate ecosystem health and the biological integrity of the SIYB and San Diego Bay. We look forward to meeting with you in the coming months.

If you have any questions or would like to coordinate scheduling for upcoming meetings, please contact Karen Holman at (619) 725-6073 or via email at kholman@portofsandiego.org or Kelly Tait at (619) 686-6372 or via email at ktait@portofsandiego.org.

Sincerely,

J. Stuyvesant
President/CEO

cc: Jason Giffen, Karen Holman, John Carter

KT;aa

PORT of SAN DIEGO

Attachment A

Shelter Island Yacht Basin TMDL
Summary of the Port of San Diego's
Copper Reduction Program Implementation 2005-Present

The Port of San Diego (Port) has invested a significant amount of staffing and resources to the implementation and management of a suite of load reduction actions, initiatives and studies in compliance with the SIYB TMDL and Investigative Order No. R9-2011-00360036. These copper load reduction strategies have enabled the Port to develop a solid understanding of the SIYB TMDL and its complexity, and in many cases demonstrated work above and beyond the expectations set forth in the SIYB TMDL.

Starting with the development of a comprehensive copper reduction program, the Port has assumed a leadership role by supporting hull paint research, administering voluntary and policy-based copper reduction initiatives, conducting water quality studies, as well as hosting outreach events that educate the boating community on copper water quality issues, cleaning of Copper APFs, and non-copper paint alternatives. The aforementioned efforts have resulted in copper load reductions meeting the TMDL interim compliance targets within the SIYB.

Highlights of some of the key initiatives are summarized below. Additional information can also be found in the Port's TMDL Monitoring and Progress Reports which are submitted annually.

- Since 2005, the Port has actively championed the regulation of Copper AFPs at both a state and federal level. The Port developed Board policies and ordinances and worked closely with regulators to implement copper reduction actions at a state and local level.
    - The Port adopted Board Resolution 2009-230 codifying the Port's commitment to develop and implement copper reduction initiatives (2009).
    - The Port adopted an ordinance regulating in-water hull cleaning activities throughout San Diego Bay and continues to implement an In-Water Hull Cleaning permit program (2011).
    - The Port sponsored Assembly Bill 425 (AB425), which required the Department of Pest Regulation to lower copper leach rates. These efforts resulted in the adoption of AB425, setting a statewide maximum leach rate of 9.5 µg/cm2/day for copper AFPs, which became effective on July 1, 2018 (DPR Rule)[1].
- The Port advanced the knowledge of non-copper alternatives by conducting testing and research on alternative paints and securing grants to assist in paint transitions.
    - The Port was awarded a $190,000 grant from the USEPA to evaluate viable alternatives to Copper AFPs (2008).

[1] https://www.cdpr.ca.gov/docs/legbills/calcode/020114.htm

- The Port was awarded a $600,000 grant from the State water Resources Control Board 319(h) Non Point Source Program to convert recreational boats from Copper AFPs to non-biocide paints (2011).
- The Port awarded $360,000 in grant funding to three companies to assist the development of innovative new non-biocide paints (2013).

- Notably, the entire Port fleet was converted to non-copper alternative paints in 2012 and remains copper free.
- The Port has furthered the understanding of water quality, source loading, and basin hydrodynamics by conducting numerous special studies to better understand the water quality in the basin.
    - In-water hull cleaning studies were completed to (1) evaluate particulate loading from various cleaning methods (2006) and, (2) assess changes in SIYB copper concentrations when cleaning was paused (2022).
    - A hydrodynamic modeling exercise was performed to determine whether engineering solutions could increase water circulation and reduce dissolved copper levels (2013).
    - A basin-wide water column study was completed to evaluate copper levels at different depths and locations throughout the basin (2016).
    - A tidal time-series study was completed to evaluate the influence of tidal fluctuations on copper levels in SIYB (2018).
    - The Port provided TMDL Conceptual Model updates (2015 and 2019) to the Regional Board that incorporated newly available information related to copper sources and loading scenarios.
- The Port has conducted a significant amount of outreach over the years, hosted hull paint expos, developed paint brochures and conducted various workshops and public engagement events to educate boaters on proper hull maintenance and encourage the use of non-copper alternatives.
- The Port's Regional Harbor Monitoring Program has collected water, sediment, and benthic infauna data from SIYB sampling stations (2008, 2013, 2018).
- Annual monitoring in SIYB since 2012 has resulted in a basin-wide data set of vessel paint use and water quality data that is spatially and temporally robust.

MARINA AND YACHT CLUB SELF-CERTIFICATION FORMS

Marina Self-Certification Form

02/23/2023

I certify that the 2022 BAY CLUB MARINA vessel hull paint data submitted to the Port of San Diego for the Shelter Island Yacht Basin Dissolved Copper TMDL Annual Report has been prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I further acknowledge that I will retain all records gathered in preparation for this report for a period of five (5) years following my submittal of the data to the Port.

Shelley
Griffin

Marina Manager

Bay Club Hotel and
Marina

Marina Self-Certification Form

[2/23/23]

I certify that the 2022 [Crows Nest Marine] vessel hull paint data submitted to the Port of San Diego for the Shelter Island Yacht Basin Dissolved Copper TMDL Annual Report has been prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I further acknowledge that I will retain all records gathered in preparation for this report for a period of five (5) years following my submittal of the data to the Port.

Patricia
Gibbons
Office Manager
Crows Nest Marine

Marina Self-Certification Form
February 24, 2023

I certify that the 2022 Gold Coast Anchorage vessel hull paint data submitted to the Port of San Diego for the Shelter Island Yacht Basin Dissolved Copper TMDL Annual Report has been prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I further acknowledge that I will retain all records gathered in preparation for this report for a period of five (5) years following my submittal of the data to the Port.

Katherine Leisey *Katherine Leisey*
Gold Coast Marina Manager
Nielsen Beaumont Marine, Inc.

Marina Self-Certification Form
February 23, 2023

I certify that the 2022 Half Moon Marina vessel hull paint data submitted to the Port of San Diego for the Shelter Island Yacht Basin Dissolved Copper TMDL Annual Report has been prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I further acknowledge that I will retain all records gathered in preparation for this report for a period of five (5) years following my submittal of the data to the Port.

NAME-
Lani LoCoco
POSITION/TITLE-
Marina Manager
COMPANY NAME-
Half Moon Marina

Marina Self-Certification Form
[2/26/2023]

I certify that the 2022 [kona kai marina] vessel hull paint data submitted to the Port of San Diego for the Shelter Island Yacht Basin Dissolved Copper TMDL Annual Report has been prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I further acknowledge that I will retain all records gathered in preparation for this report for a period of five (5) years following my submittal of the data to the Port.

NAME Adam Veves
POSITION/TITLE Dockmaster
COMPANY NAME Kona Kai Marina

Marina Self `Certification Form
3/1/2023

I certify that the 2022 La Playa Yacht Club vessel hull paint data submitted to the Port of San Diego for the Shelter Island Yacht Basin Dissolved Copper TMDL Annual Report has been prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I further acknowledge that I will retain all the records gathered in preparation for this report for a period of five (5) years following my submittal of the data to the Port.

Michael B. Bixler

Michael B. Bixler
COMMODORE
La Playa Yacht Club

Marina Self-Certification Form

March 20, 2023

I certify that the 2022 SAN DIEGO YACHT CLUB vessel hull paint data submitted to the Port of San Diego for the Shelter Island Yacht Basin Dissolved Copper TMDL Annual Report has been prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I further acknowledge that I will retain all records gathered in preparation for this report for a period of five (5) years following my submittal of the data to the Port.

David Randell
Dockmaster
San Diego Yacht Club

Marina Self-Certification Form
March 15, 2023

I certify that the 2022 Silver Gate Yacht Club vessel hull paint data submitted to the Port of San Diego for the Shelter Island Yacht Basin Dissolved Copper TMDL Annual Report has been prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I further acknowledge that I will retain all records gathered in preparation for this report for a period of five (5) years following my submittal of the data to the Port.

Celeste Leginski

Celeste Leginski
Club Manager
Silver Gate Yacht Club

Marina Self-Certification Form
March 8, 2023

I certify that the 2022 Shelter Island Marinavessel hull paint data submitted to the Port of San Diego for the Shelter Island Yacht Basin Dissolved Copper TMDL Annual Report has been prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I further acknowledge that I will retain all records gathered in preparation for this report for a period of five (5) years following my submittal of the data to the Port.

Joe Ravitch
Dockmaster
Shelter Island Marina

Marina Self-Certification Form

March 15, 2023

I certify that the 2022 [SOUTHWESTERN YACHT CLUB vessel hull paint data submitted to the Port of San Diego for the Shelter Island Yacht Basin Dissolved Copper TMDL Annual Report has been prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I further acknowledge that I will retain all records gathered in preparation for this report for a period of five (5) years following my submittal of the data to the Port.

John Q. Goodrich, III

PORT CAPTAIN

SOUTHWESTERN
YACHT CLUB

Marina Self-Certification Form
February 24, 2023

I certify that the 2022 Tonga Landing /Silver Seas Yachts vessel hull paint data submitted to the Port of San Diego for the Shelter Island Yacht Basin Dissolved Copper TMDL Annual Report has been prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I further acknowledge that I will retain all records gathered in preparation for this report for a period of five (5) years following my submittal of the data to the Port.

Cortland
Berlin
Store Manager
Silver Seas Yachts

APPENDIX F

MUSSEL EMBRYO TIE RESULTS FOR 2022 SIYB DISSOLVED COPPER TMDL ANNUAL SUMMER COMPLIANCE MONITORING – SITE SIYB-1

WSP USA Environment & Infrastructure Inc.
9177 Sky Park Court
San Diego, CA 92123
T: 858-300-4300
wsp.com

Ms. Karen Holman
Port of San Diego
3165 Pacific Highway
San Diego, CA 92101

Subject: Mussel Embryo Toxicity Identification Evaluation (TIE) Results for 2022 Annual Summer Compliance Monitoring for the SIYB Dissolved Copper TMDL – Site SIYB-1

Sampling and Analysis

The 2022 annual summer compliance monitoring for the Shelter Island Yacht Basin (SIYB) Dissolved Copper Total Maximum Daily Load (TMDL) was conducted on August 16, 2022. Surface water samples (1-meter below the surface) were collected from six stations within SIYB (SIYB-1 at the head of the basin through SIYB-6 at the mouth of the basin) and two reference stations in the main channel of San Diego Bay (SIYB-REF-1 and SIYB-REF-2).

Samples of site water from Sites SIYB-1 through SIYB-6 and SIYB-REF-1 were tested for toxicity using (1) a 48-hour chronic bioassay test using mussel larvae (*Mytilus galloprovincialis*) and (2) a 96-hour acute bioassay test using Pacific topsmelt (*Atherinops affinis*). Due to the many challenges experienced using Pacific topsmelt in the current and previous monitoring years (e.g., limited organism supply and availability, poor organism health and sensitivity), the 96-hour acute bioassay test was also performed using the inland silverside (*Menidia beryllina*). In addition to toxicity, water samples were also analyzed for dissolved and total copper and zinc, dissolved organic carbon (DOC), total organic carbon (TOC), and total suspended solids (TSS).

Draft results of the routine standard compliance testing were provided in a tech memo dated October 12, 2022. Preparation of a final TMDL compliance report for SIYB is in progress at the time of this memo. In summary, consistent with prior events, toxicity was again noted at the inner portion of SIYB at Site-1 using the chronic mussel embryo development test (a 38% effect relative to the control based on the combined normal/surviving embryo endpoint). Toxicity to mussel embryos or larval fish was not observed in samples collected from any of the other stations in SIYB or the reference station (SIYB-REF-1). Consistent with previous events a gradient of dissolved copper was observed in SIYB with the highest concentration of 11 micrograms per liter (µg/L) corresponding with observed toxicity using the mussel embryo test at Site SIYB-1. This concentration was comparable to the median effect concentration (EC_{50}) of 9.6 µg/L derived from a copper reference toxicant test run concurrently to the TMDL compliance testing using clean laboratory seawater. The measured concentration of dissolved copper at SIYB-1 is also elevated above that documented in the literature to cause toxicity to this test species.

Phase I Toxicity Identification Evaluation (TIE)

Approach and Methods

Given the consistent history of chronic toxicity observed at the inner portion of SIYB, a proactive plan was prepared to investigate the cause of toxicity in marine waters using a set of standardized Toxicity Identification Evaluation (TIE) procedures following United States Environmental Protection Agency (USEPA) guidance (USEPA 1996). These procedures were implemented on samples from SIYB-1 and tested concurrent to the routine annual summer TMDL compliance monitoring. Treatments for this evaluation are considered Phase I methods to characterize the general characteristics and class of contaminants responsible for toxicity. Subsequent Phase II/III procedures (USEPA 1993a,b) have been proposed and can be performed in the future on new samples to further identify and confirm the cause of toxicity (e.g., chemical spiking and add-back studies).

A summary of the Phase I treatments performed and primary chemical characteristics/classes they address is shown in **Table 1**.

Table 1. Phase I Toxicant Characterization

Phase I Procedure	Primary Compounds Addressed/Purpose
Baseline (unmanipulated sample)	None. Used for treatment effectiveness comparison. Two baseline samples were tested in different areas among all test chambers.
Filtration (0.45 μm)	Pollutants associated with particles, and algae and/or microorganism effects
Aeration	Volatile or oxidizable compounds; surfactants
C8 Column Solid-Phase Extraction	Non-polar organics and metal chelates. *These columns can remove some metals, so this step helps verify metals versus organics.
C8 Column Solvent Elution	Recovers toxicity due to non-polar organics
Cation Exchange Column	Removes cationic compounds including various trace metals
Oxidant Reduction (STS Addition) – 10 and 25 mg/L	Constituents reduced by sodium thiosulfate; also chelates some cationic trace metals
Metal Chelation (EDTA Addition) – 10 and 25 mg/L	Divalent cationic metals

Notes: μm = micron(s); EDTA = ethylenediaminetetraacetic acid; STS = sodium thiosulfate

Each of the Phase I treatments summarized in **Table 1** were performed on both the SIYB-1 sample and clean laboratory water as a method control to assess whether the treatments themselves may cause negative effects. The TIE tests were performed using 5 replicates for each treatment, consistent with that used form the compliance tests. Each replicate was also assigned a random number and vials for the entire TIE placed in randomized numeric order in the environmental chamber throughout the test period. The vials remained in random order throughout the scoring process to endure a “blind” unbiased approach.

TIE Results

Attachments A and B include the chemistry and toxicity test reports. A summary of toxicity results for each treatment is shown in **Figure 1**. A summary of dissolved copper concentrations in select treatments is provided in **Figure 2**.

Results for all method controls and unmanipulated laboratory control water resulted in >90% mean normal embryo development indicating no negative effect on the embryos due to the any of the treatments applied. Given the consistent results in the controls the TIE results presented in Figure 1 shows raw mean % normal embryo development without normalizing to control performance. Error bars for each treatment represent the 95th percent confidence interval.

Two independent Baseline tests were conducted on unmanipulated SIYB-1 samples with both showing a toxic effect (53 and 49% normal), which was consistent with that observed in the separate sample tested at the same time for TMDL compliance (53% normal). Filtration of the sample to 0.45 microns to remove particulates and associated contaminants bound to the particles resulted in a comparable toxic effect with 34% mean normal embryo development. This result indicates that the toxic compound of interest is in a dissolved water-soluble form. The measured dissolved copper in this sample (11 µg/L) was identical to that measured in the same sample filtered in the field for TMDL compliance indicating great consistency in the methods.

All of the other Phase I TIE treatments removed toxicity indicating the toxicant(s) of concern in the untreated baseline samples were successfully ameliorated. These treatments, though targeting specific chemical classes, also have a range of specificity that cross over multiple constituent classes as described briefly below. To account for this dissolved copper and zinc were measured following each treatment to assess the effect each had on these chemicals of primary interest.

Aeration, for example, targets volatile or oxidizable compounds and surfactants as the bubbles carry these constituents into a film that deposits at the top of the glass cylinder. In doing so, the treatment was also found to reduce dissolved copper to 7.9 µg/L. Toxicity was still present in this treatment (81% normal), but to a lesser degree than that in the untreated baseline samples.

The C8 column targets removal of non-polar organic compounds; however, the media used in the column is also known to remove some cationic trace metals as well. This was observed during this TIE with a dissolved copper concentration of just 5.1 µg/L, which is below a concentration expected to cause toxicity to *Mytilus* embryos. A second confirmation step to evaluate whether non-polar organics were indeed removed from the C8 column included an elution of the column with a nonpolar organic solvent, methanol. Mean embryo development was >90% in both a 2x and 4x concentrated eluate indicating that non-polar organics were not a toxic constituent removed from the column. The concentration of copper was also very low in the C8 methanol eluates (1.0 µg/L) as would be expected using clean lab techniques.

The cation exchange treatment specifically targets cationic trace metals. This treatment was successful at removing both toxicity and dissolved copper with a final dissolved copper concentration of just 0.9 µg/L. The cation column can also remove particulate bound contaminants and other organics that might physically bind to the media such as surfactants.

STS (sodium thiosulfate or $Na_2S_2O_3$) is a reducing agent that targets compounds that may have their toxicity reduced through oxidant reduction such as chlorine, ozone, and brominated compounds which are commonly used in wastewater treatment processes (USEPA 1991). This treatment has also been shown to reduce the toxicity of some cationic trace metals including cadmium, copper, silver, and mercury through chelation. Given that this treatment does not physically remove contaminants, and is less specific to trace metals, this treatment was not tested for dissolved trace metals during the Phase I TIE. The STS treatment was successful at reducing toxicity of the sample at both doses tested presumably through chelation of trace metals since the sample is a marine receiving water that is not influenced by industrial wastewater treatment processes and no chlorine was detected on arrival at the laboratory.

The EDTA (ethylenediaminetetraacetic acid) treatment is one of the most targeted Phase I TIE methods. EDTA is an organic chelating agent that preferentially binds with divalent cationic metals, such as copper, nickel, lead, zinc, cadmium, mercury, and other transition metals (Garvan 1964). Studies have demonstrated that when a metal is bound to the EDTA molecule, the toxicity of the metal is greatly reduced (e.g., Sunda and Guilliard 1976). Dissolved copper was 3.8 µg/L in this treatment, which is below a concentration expected to cause toxicity to mussel embryos.

Conclusion and Recommendations

Given the specificity of the EDTA treatment, and supporting results from the other Phase I methods, there is a high degree of confidence that the toxicant of interest in unmanipulated receiving water from SIYB-1 is a cationic trace metal. Based on the measured concentrations of copper in the unmanipulated sample and comparison to toxicity data in the literature, as well as the concurrent reference toxicant results using copper chloride, the results suggest that copper is the specific cationic trace metal responsible for observed effects. Furthermore, a comparison of dissolved copper concentrations in the various TIE treatments shows a strong statistically significant relationship to observed toxic effects as shown in **Figure 3**.

These results are also in agreement with findings from a study performed by the Southern California Coastal Water Research Project (SCCWRP) in 2005, which examined the extent and magnitude of copper contamination in marinas in the San Diego region, including SIYB (Schiff et al., 2007). As part of the SCCWRP study, a Phase I TIE was conducted on water samples from SIYB that also indicated that toxicity was largely due to trace metals. The study also identified copper as the most likely cause of toxicity because increasing dissolved copper concentrations correlated with increasing toxicity, and the concentrations of copper were high enough to account for observed effects based on values in the literature.

Further confirmation that dissolved copper is the toxicant of interest causing effects to mussel embryos in water from SIYB-1 may be performed using a suite of Phase II/III TIE procedures. Proposed Phase II/III methods would include a copper spiking study in both the SIYB-1 receiving water and clean laboratory water (standard reference toxicant test). Further details related to the proposed Phase II/II methods are summarized below.

Phase II/III TIE Toxicant Identification and Confirmation: Focused Copper Spiking Study

TIE Phases II and III are conducted to specifically define and confirm those constituents responsible for toxicity in a sample following characterization of the class(es) of contaminant during Phase I. Based on the Phase I TIE results for SIYB-1 during the summer 2022 sampling event, a targeted combined Phase II/III approach is proposed to further identify and confirm the degree to which copper may or may not be contributing to mussel embryo toxicity. These steps will focus on conducting a series of copper addition experiments to the ambient water of SIYB. A series of 5 concentrations of copper will be incrementally added to three samples as follows:

1) Undiluted SIYB water from SIYB-1;
2) 50% diluted water from SIYB-1; and
3) Clean filtered laboratory seawater. This third sample is equivalent to a standard copper reference toxicant test used to evaluate the sensitivity of mussel embryos over time at the WSP laboratory as a standard QA/QC measure.

A comparison of the toxic dose responses between these three samples can be used to assess the degree of toxicity related specifically to copper in the ambient undiluted seawater. For example, if the median effective concentrations (EC_{50}s) for copper are similar among all three samples, results would suggest that most or all of the observed toxicity in the SIYB-1 water may be attributed to copper. If adding copper to the ambient samples from SIYB results in a flatter curve (less toxic) than that observed in the clean laboratory seawater, then one would conclude that either the site water has a stronger binding capacity for copper, or that some other compound must be contributing to the observed effects. Measurements of DOC, pH, and alkalinity will help assess the potential for copper binding. Measurements of dissolved copper in each test concentration for the three tests is recommended for additional analytical accuracy and interpretive power.

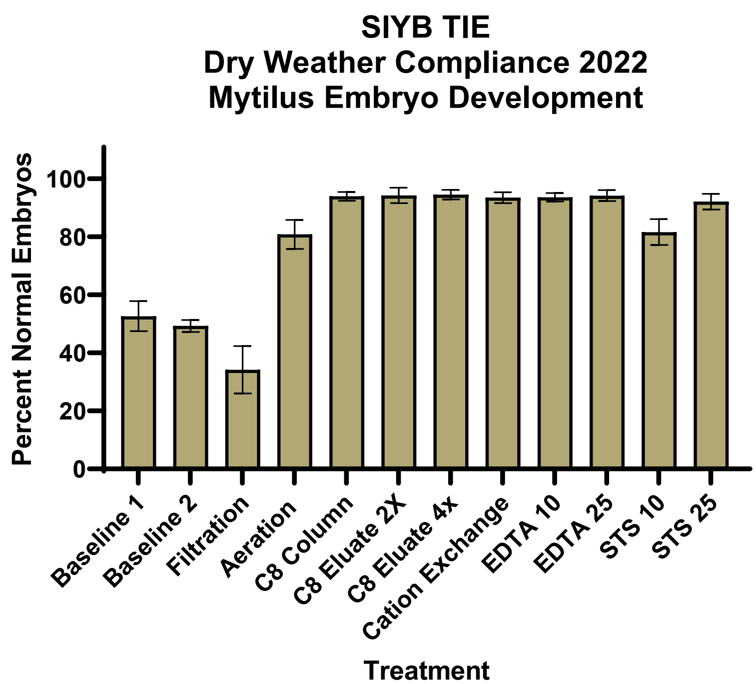

Figure 1. Phase I TIE Results for SIYB-1 – Mean Percent Normal Embryo Development ±95% Confidence Intervals

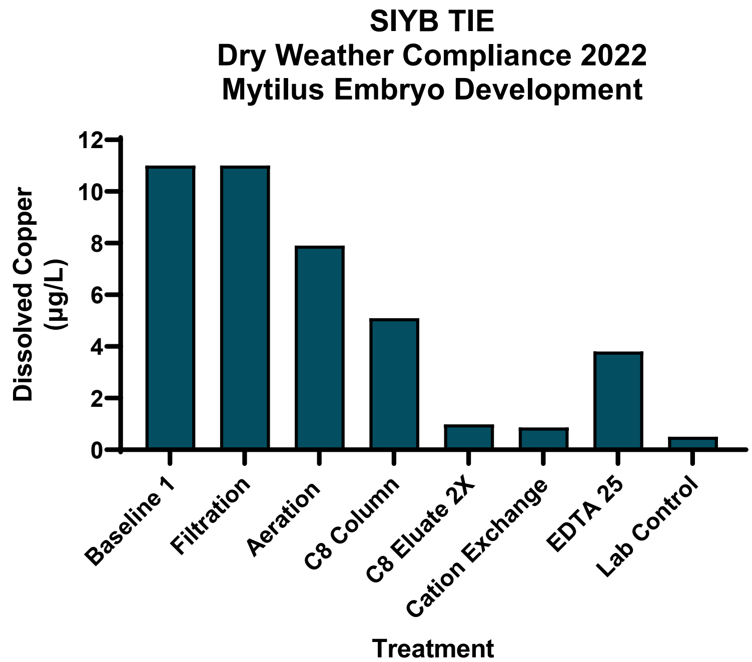

Figure 2. Phase I TIE Results for SIYB-1 – Dissolved Copper Concentrations

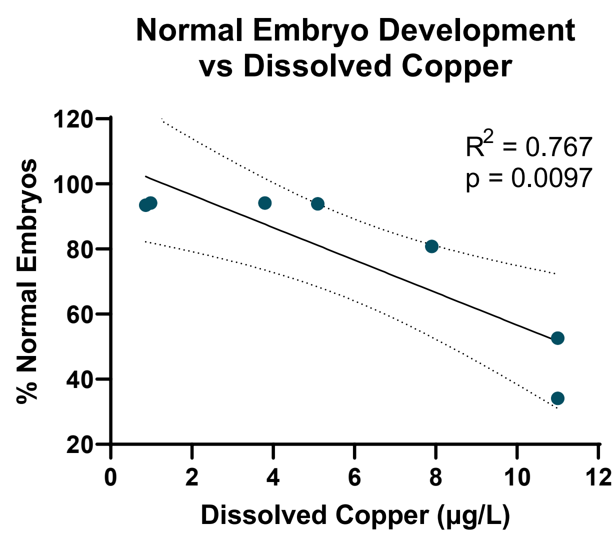

Figure 3. Phase I TIE Results for SIYB-1 – Relationship Between Mussel Embryo Development and Dissolved Copper Concentrations

References Cited:

Garvan, FL. 1964. Metal Chelates of Ethylenediaminetetraacetic Acid and Related Substances. Chelating Agents and Metal Chelates. Eds. F.P. Dwyer and D.P. Mellor. New York: Academic Press. 283-333.

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Schiff, K., J. Brown, D. Diehl, and D. Greenstein. 2007. Extent and magnitude of copper contamination in marinas of the San Diego region, California, USA. Marine Pollution Bulletin 54(3):322–328.

United States Environmental Protection Agency (USEPA). 1991. Methods for Aquatic Toxicity Identification Evaluations: Phase I. Toxicity Characterization Procedures. 2nd Edition. EPA-600-6-91-003. National Effluent Toxicity Assessment Center, Duluth, MN. United States Environmental Protection Agency. Toxicity Identification Evaluation: Characterization of Chronically Toxic Effluents, Phase I. EPA/600/6-91/005F. May 1992. National Effluent Toxicity Assessment Center, Duluth, MN.

USEPA. 1993a. Methods for Aquatic Toxicity Identification Evaluations - Phase II Toxicity Identification Procedures for Samples Exhibiting Acute and Chronic Toxicity. EPA-600-R-92-080. National Effluent Toxicity Assessment Center, Duluth, MN.

USEPA. 1993b. Methods for Aquatic Toxicity Identification Evaluations - Phase III Toxicity Confirmation Procedures for Samples Exhibiting Acute and Chronic Toxicity. EPA-600-R-92-081. National Effluent Toxicity Assessment Center, Duluth, MN.

USEPA. 1996. Marine Toxicity Identification Evaluation (TIE): Phase I Guidance Document. EPA/600/R-96-054. National Health and Environmental Effects Laboratory, Narragansett, RI.

Attachment A. Weck Laboratories Phase I TIE Chemistry Report

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders:	2H18034	**Report Date:**	8/30/2022
		Received Date:	8/18/2022
Project:	Shelter Island Yacht Basin (Port of San Diego)	**Turnaround Time:**	Normal
		Phones:	(858) 300-4324
		Fax:	(858) 278-5300
Attn:	Marisa Swiderski	**P.O. #:**	
Client:	Wood - San Diego 9177 Sky Park Court, Ste A San Diego, CA 92123	**Billing Code:**	

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 • 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 8/18/22 with the Chain-of-Custody document. The samples were received in good condition, at 4.8 °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

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www.wecklabs.com

Wood - San Diego
9177 Sky Park Court, Ste A
San Diego, CA 92123

Project Number: Shelter Island Yacht Basin (Port of San Diego)

Project Manager: Marisa Swiderski

Reported: 08/30/2022 13:05

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
SIYB-TIE-LC	Chris Stransky (CS); Marisa Swiderski (MS)	2H18034-01	Sea Water	08/17/22 11:25	
SIYB-TIE-Air-001	Chris Stransky (CS); Marisa Swiderski (MS)	2H18034-02	Sea Water	08/17/22 11:05	
SIYB-TIE-C8F-001	Chris Stransky (CS); Marisa Swiderski (MS)	2H18034-03	Sea Water	08/17/22 10:55	
SIYB-TIE-Cation-001	Chris Stransky (CS); Marisa Swiderski (MS)	2H18034-04	Sea Water	08/17/22 14:40	
SIYB-TIE-Filt-001	Chris Stransky (CS); Marisa Swiderski (MS)	2H18034-05	Sea Water	08/17/22 11:15	
SIYB-TIE-C8E-001-2X	Chris Stransky (CS); Marisa Swiderski (MS)	2H18034-06	Sea Water	08/17/22 11:35	
SIYB-TIE-EDTA2S-001	Chris Stransky (CS); Marisa Swiderski (MS)	2H18034-07	Sea Water	08/17/22 11:45	

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Project Number: Shelter Island Yacht Basin (Port of San Diego)

Project Manager: Marisa Swiderski

Reported: 08/30/2022 13:05

Sample Results

Sample: SIYB-TIE-LC — 2H18034-01 (Sea Water)
Sampled: 08/17/22 11:25 by Chris Stransky (CS); Marisa Swiderski (MS)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640 — **Instr:** ICPMS03							
Batch ID: W2H1831 — **Preparation:** EPA 1640#Preconcentration — **Prepared:** 08/23/22 09:56 — **Analyst:** ALN							
Copper, Total	**0.51**	0.0038	0.010	ug/l	1	08/23/22	
Zinc, Total	**2.7**	0.036	0.20	ug/l	1	08/23/22	
Method: EPA 1640 — **Instr:** ICPMS03							
Batch ID: W2H1835 — **Preparation:** EPA 1640#Preconcentration — **Prepared:** 08/23/22 10:04 — **Analyst:** ALN							
Copper, Dissolved	**0.49**	0.0038	0.010	ug/l	1	08/23/22	
Zinc, Dissolved	**2.5**	0.036	0.20	ug/l	1	08/23/22	

Sample Results

Sample: SIYB-TIE-Air-001 — 2H18034-02 (Sea Water)
Sampled: 08/17/22 11:05 by Chris Stransky (CS); Marisa Swiderski (MS)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640 — **Instr:** ICPMS03							
Batch ID: W2H1831 — **Preparation:** EPA 1640#Preconcentration — **Prepared:** 08/23/22 09:56 — **Analyst:** ALN							
Copper, Total	**8.8**	0.0038	0.010	ug/l	1	08/23/22	
Zinc, Total	**15**	0.036	0.20	ug/l	1	08/23/22	
Method: EPA 1640 — **Instr:** ICPMS03							
Batch ID: W2H1835 — **Preparation:** EPA 1640#Preconcentration — **Prepared:** 08/23/22 10:04 — **Analyst:** ALN							
Copper, Dissolved	**7.9**	0.0038	0.010	ug/l	1	08/23/22	
Zinc, Dissolved	**23**	0.036	0.20	ug/l	1	08/23/22	

Sample Results

Sample: SIYB-TIE-C8F-001 — 2H18034-03 (Sea Water)
Sampled: 08/17/22 10:55 by Chris Stransky (CS); Marisa Swiderski (MS)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640 — **Instr:** ICPMS03							
Batch ID: W2H1831 — **Preparation:** EPA 1640#Preconcentration — **Prepared:** 08/23/22 09:56 — **Analyst:** ALN							
Copper, Total	**5.0**	0.0038	0.010	ug/l	1	08/23/22	
Zinc, Total	**0.49**	0.036	0.20	ug/l	1	08/23/22	
Method: EPA 1640 — **Instr:** ICPMS03							
Batch ID: W2H1835 — **Preparation:** EPA 1640#Preconcentration — **Prepared:** 08/23/22 10:04 — **Analyst:** ALN							
Copper, Dissolved	**5.1**	0.0038	0.010	ug/l	1	08/23/22	
Zinc, Dissolved	**1.8**	0.036	0.20	ug/l	1	08/23/22	

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Project Number: Shelter Island Yacht Basin (Port of San Diego)

Project Manager: Marisa Swiderski

Reported: 08/30/2022 13:05

Sample Results

(Continued)

Sample: SIYB-TIE-Cation-001 — 2H18034-04 (Sea Water)

Sampled: 08/17/22 14:40 by Chris Stransky (CS); Marisa Swiderski (MS)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640 — **Instr:** ICPMS03							
Batch ID: W2H1831 — **Preparation:** EPA 1640#Preconcentration — **Prepared:** 08/23/22 09:56 — **Analyst:** ALN							
Copper, Total	**1.9**	0.0038	0.010	ug/l	1	08/23/22	
Zinc, Total	**0.96**	0.036	0.20	ug/l	1	08/23/22	
Method: EPA 1640 — **Instr:** ICPMS03							
Batch ID: W2H1835 — **Preparation:** EPA 1640#Preconcentration — **Prepared:** 08/23/22 10:04 — **Analyst:** ALN							
Copper, Dissolved	**0.86**	0.0038	0.010	ug/l	1	08/23/22	
Zinc, Dissolved	**1.4**	0.036	0.20	ug/l	1	08/23/22	

Sample Results

(Continued)

Sample: SIYB-TIE-Filt-001 — 2H18034-05 (Sea Water)

Sampled: 08/17/22 11:15 by Chris Stransky (CS); Marisa Swiderski (MS)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640 — **Instr:** ICPMS03							
Batch ID: W2H1835 — **Preparation:** EPA 1640#Preconcentration — **Prepared:** 08/23/22 10:04 — **Analyst:** ALN							
Copper, Dissolved	**11**	0.0038	0.010	ug/l	1	08/23/22	
Zinc, Dissolved	**25**	0.036	0.20	ug/l	1	08/23/22	

Sample Results

(Continued)

Sample: SIYB-TIE-C8E-001-2X — 2H18034-06 (Sea Water)

Sampled: 08/17/22 11:35 by Chris Stransky (CS); Marisa Swiderski (MS)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640 — **Instr:** ICPMS03							
Batch ID: W2H1831 — **Preparation:** EPA 1640#Preconcentration — **Prepared:** 08/23/22 09:56 — **Analyst:** ALN							
Copper, Total	**0.98**	0.0038	0.010	ug/l	1	08/23/22	
Zinc, Total	**0.42**	0.036	0.20	ug/l	1	08/23/22	

Sample Results

(Continued)

Sample: SIYB-TIE-EDTA2S-001 — 2H18034-07 (Sea Water)

Sampled: 08/17/22 11:45 by Chris Stransky (CS); Marisa Swiderski (MS)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Metals - Low Level by 1600 Series Methods							
Method: EPA 1640 — **Instr:** ICPMS03							
Batch ID: W2H1835 — **Preparation:** EPA 1640#Preconcentration — **Prepared:** 08/23/22 10:04 — **Analyst:** ALN							
Copper, Dissolved	**3.8**	0.0038	0.010	ug/l	1	08/23/22	
Zinc, Dissolved	**6.7**	0.036	0.20	ug/l	1	08/23/22	

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Certificate of Analysis

FINAL REPORT

Wood - San Diego
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San Diego, CA 92123

Project Number: Shelter Island Yacht Basin (Port of San Diego)

Project Manager: Marisa Swiderski

Reported: 08/30/2022 13:05

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	Qualifier
Batch: W2H1831 - EPA 1640											
Blank (W2H1831-BLK1)					**Prepared & Analyzed: 08/23/22**						
Copper, Total	0.00643	0.0038	0.010	ug/l							J
Zinc, Total	0.0867	0.036	0.20	ug/l							J
LCS (W2H1831-BS1)					**Prepared & Analyzed: 08/23/22**						
Copper, Total	8.96	0.0038	0.010	ug/l	10.0		90	83-109		25	
Zinc, Total	27.1	0.036	0.20	ug/l	30.0		90	68-132		30	
Matrix Spike (W2H1831-MS1)	**Source: 2H18034-01**				**Prepared & Analyzed: 08/23/22**						
Copper, Total	8.88	0.0038	0.010	ug/l	10.0	0.510	84	83-109		25	
Zinc, Total	28.3	0.036	0.20	ug/l	30.0	2.65	86	68-132		30	
Matrix Spike Dup (W2H1831-MSD1)	**Source: 2H18034-01**				**Prepared & Analyzed: 08/23/22**						
Copper, Total	8.81	0.0038	0.010	ug/l	10.0	0.510	83	83-109	0.8	25	
Zinc, Total	28.3	0.036	0.20	ug/l	30.0	2.65	85	68-132	0.2	30	
Batch: W2H1835 - EPA 1640											
Blank (W2H1835-BLK1)					**Prepared & Analyzed: 08/23/22**						
Copper, Dissolved	0.0219	0.0038	0.010	ug/l							B-06
Zinc, Dissolved	0.151	0.036	0.20	ug/l							J
LCS (W2H1835-BS1)					**Prepared & Analyzed: 08/23/22**						
Copper, Dissolved	8.63	0.0038	0.010	ug/l	10.0		86	70-130		30	
Zinc, Dissolved	25.6	0.036	0.20	ug/l	30.0		85	68-132		30	
Matrix Spike (W2H1835-MS1)	**Source: 2H18034-01**				**Prepared & Analyzed: 08/23/22**						
Copper, Dissolved	9.02	0.0038	0.010	ug/l	10.0	0.491	85	70-130		30	
Zinc, Dissolved	28.9	0.036	0.20	ug/l	30.0	2.54	88	68-132		30	
Matrix Spike Dup (W2H1835-MSD1)	**Source: 2H18034-01**				**Prepared & Analyzed: 08/23/22**						
Copper, Dissolved	8.98	0.0038	0.010	ug/l	10.0	0.491	85	70-130	0.5	30	
Zinc, Dissolved	28.9	0.036	0.20	ug/l	30.0	2.54	88	68-132	0.05	30	

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Wood - San Diego
9177 Sky Park Court, Ste A
San Diego, CA 92123

Project Number: Shelter Island Yacht Basin (Port of San Diego)

Project Manager: Marisa Swiderski

Reported: 08/30/2022 13:05

Notes and Definitions

Item	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.
J	Estimated conc. detected <MRL and >MDL.
%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.

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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W L

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CHAIN OF CUSTODY RECORD

2H18034

STANDARD

Page 1 Of 1

CLIENT NAME: Wood Environment & Infrastructure Solutions, Inc.

ADDRESS: 9177 Sky Park Ct. San Diego, CA 92123

PROJECT MANAGER: Chris Stransky

PROJECT: Shelter Island Yacht Basin TIE (Port of San Diego)

PHONE: 858-775-5547

FAX: 858-300-4301

EMAIL: chris.stransky@woodplc.com marisa.swiderski@woodplc.com

SAMPLER: Chris Stransky (CS); Marisa Swiderski (MS)

SPECIAL HANDLING

- [ ] Same Day Rush 150%
- [ ] 24 Hour Rush 100%
- [ ] 48-72 Hour Rush 75%
- [ ] 4 - 5 Day Rush 30%
- [ ] Rush Extractions 50%
- [x] 10 Business Days
- [ ] QA/QC Data Package

Charges will apply for weekends/holidays

Method of Shipment:

ID# (For lab Use Only)	DATE SAMPLED	TIME SAMPLED	SMPL TYPE	SAMPLE IDENTIFICATION/SITE LOCATION	# OF CONT.	Total Copper[1] EPA 1640 MDL 0.0038 µg/L, RL= 0.01 µg/L	Total Zinc[1] EPA 1640 MDL 0.036 µg/L, RL= 0.20 µg/L	Dissolved Copper[1,2] EPA 1640 MDL 0.0038 µg/L, RL= 0.01 µg/L	Dissolved Zinc[1,2] EPA 1640 MDL 0.036 µg/L, RL= 0.20 µg/L							COMMENTS
	08/17/22	1125	seawater	SIYB-TIE-LC	2	X	X	X	X							
	08/17/22	1105	seawater	SIYB-TIE-Air-001	2	X	X	X	X							
	08/17/22	1055	seawater	SIYB-TIE-C8F-001	2	X	X	X	X							
	08/17/22	1440	seawater	SIYB-TIE-Cation-001	2	X	X	X	X							
	08/17/22	1115	seawater	SIYB-TIE-Filt-001	1			X	X							
	08/17/22	1135	seawater	SIYB-TIE-C8E-001-2X	1	X	X									
	08/17/22	1145	seawater	SIYB-TIE-EDTA25-001	1			X	X							

RELINQUISHED BY	DATE / TIME	RECEIVED BY
Marisa Swiderski	08/18/2022 0800	[signature]
[signature]	8-18-22 10:00	[signature] 8/18/22 10:00

SAMPLE CONDITION:

Actual Temperature: 4.6

Received On Ice Y / N

Preserved Y / N

Evidence Seals Present Y / N

Container Intact Y / N

Preserved at Lab Y / N

TW08

SAMPLE TYPE CODE:
AQ=Aqueous
NA= Non Aqueous
SL = Sludge
DW = Drinking Water
WW = Waste Water
RW = Rain Water
GW = Ground Water
SO = Soil
SW = Solid Waste
OL = Oil
OT = Other Matrix

SPECIAL REQUIREMENTS / BILLING INFORMATION

1) **LAB ACTION:** PRESERVE Cu/Zn IMMEDIATELY. HDPE Metals bottles have NO acid (HNO3) in bottle.
2) Diss. metals were field filtered using 0.45 um bottletop filt. system.
3) WECK will contact Wood PM within 24 hours if any sample anomalies are found.

Please submit invoices to APInvoice.US@woodplc.com and include the following information :
1) Project #: 2015100118.0002B.WECK
(2) PO #: C015102550
(3) Org: 3151
(4) GL: 573000

WECK LABORATORIES, INC.

Sample Receipt Checklist

Weck WKO:	2H18034	Date/Time Received:	08/18/22 @ 10:00
WKO Logged by:	Algabriel Holanda	# Of Samples:	7
Samples Checked by:	JG	Delivered by:	Hector

	Task	Yes	No	N/A	Comments
COC	COC present at receipt?	☒	☐		
	COC properly completed?	☒	☐		
	COC matches sample labels?	☒	☐		
	Project Manager notified?	☐	☐	☒	
Receipt Information	Sample Temperature	4.8 °C			
	Samples received on ice?	☒	☐		
	Ice Type (Blue/Wet)	Wet			
	All samples intact?	☒	☐		
	Samples in proper containers?	☒	☐		
	Sufficient sample volume?	☒	☐		
	Samples intact?	☒	☐		
	Received within holding time?	☒	☐		
	Project Manager notified?	☐	☐	☒	
Sample Preservation Verification?	Sample labels checked for correct preservation?	☒	☐	☐	
	VOC Headspace: (No) none, If Yes (See comment) 524.2, 524.3, 624.1, 8260, 1666 P/T, LUFT	☐	☐	☒	☐ <6mm/Pea size?
	pH verified upon receipt? Metals <2; H2SO4 pres tests <2; 522<4; TOC <2; 525.2<2; 6710B<2; 608.3 5-9	☒	☐	☐	pH paper Lot# 2071882
	Free Chlorine Tested <0.1	☐	☐	☒	Cl Test Strip Lot# 061221E
	O&G pH <2 verified?	☐	☐	☐	pH paper Lot# pH Reading:
	pH adjusted for O&G	☐	☐	☐	Acid Lot# Amt added:
	Project Manager notified?	☐	☐	☒	

PM Comments

Sample Receipt Checklist Prepared by:

Signature: Date: 08/18/22

QAF-006 V1.0 12/16/2021
C:\Users\samplelogin4\Desktop\220726 Sample Receipt Checklist.docx

[Type here]

Attachment B. Phase I TIE Raw Toxicity Data and Summary Tables

SIYB TIE
Site: SIYB-1 Controls And Method Controls
Mussel Development Test- Mg-d
11/2/2022

Control	Rand#	Initial Density	Counted	Normal	Curved	% Normal	Mean % Normal	Combined% Normal	Mean Combined % Normal
Lab Control #1	7	258	213	203	0	95.3	93.6	78.7	82.2
	40	258	228	201	0	88.2		77.9	
	58	258	240	227	0	94.6		88.0	
	4	258	214	206	0	96.3		79.8	
	72	258	239	224	0	93.7		86.8	
Lab Control #2	25	258	239	231	0	96.7	94.3	89.5	81.9
	63	258	228	214	0	93.9		82.9	
	77	258	211	202	0	95.7		78.3	
	12	258	208	190	0	91.3		73.6	
	111	258	233	219	0	94.0		84.9	
Filtration (0.45) MC	103	258	223	205	0	91.9	92.8	79.5	84.3
	43	258	261	247	0	94.6		94.6	
	108	258	227	203	0	89.4		78.7	
	124	258	240	224	0	93.3		86.8	
	66	258	223	211	0	94.6		81.8	
Aeration MC	57	258	219	204	0	93.2	93.8	79.1	81.5
	119	258	236	221	0	93.6		85.7	
	55	258	240	231	0	96.3		89.5	
	59	258	200	185	0	92.5		71.7	
	50	258	225	210	0	93.3		81.4	
C8 Column SPE MC	11	258	247	228	0	92.3	93.9	88.4	89.8
	92	258	247	234	0	94.7		90.7	
	5	258	239	225	0	94.1		87.2	
	62	258	247	233	0	94.3		90.3	
	88	258	254	239	0	94.1		92.6	
Methanol Cont	54	258	269	248	0	92.2	92.5	92.2	83.7
	49	258	230	219	0	95.2		84.9	
	31	258	221	200	0	90.5		77.5	
	27	258	232	210	0	90.5		81.4	
	68	258	227	213	0	93.8		82.6	
C8 Elute 2x MC	86	258	243	229	0	94.2	94.0	88.8	88.1
	67	258	246	232	0	94.3		89.9	
	52	258	249	235	0	94.4		91.1	
	26	258	246	231	0	93.9		89.5	
	9	258	225	210	0	93.3		81.4	
C8 Elute 4x MC	28	258	244	229	0	93.9	93.7	88.8	83.6
	46	258	232	217	0	93.5		84.1	
	14	258	229	215	0	93.9		83.3	
	122	258	238	221	0	92.9		85.7	
	116	258	209	197	0	94.3		76.4	
Cation Exchange MC	93	258	235	212	0	90.2	91.2	82.2	81.1
	117	258	242	227	0	93.8		88.0	
	99	258	227	204	0	89.9		79.1	
	123	258	224	209	0	93.3		81.0	
	89	258	218	194	0	89.0		75.2	
EDTA 10mg/L MC	98	258	215	204	0	94.9	94.8	79.1	84.5
	65	258	222	208	0	93.7		80.6	
	8	258	239	231	0	96.7		89.5	
	85	258	221	205	0	92.8		79.5	
	113	258	252	242	0	96.0		93.8	
EDTA 25mg/L MC	121	258	236	223	0	94.5	94.4	86.4	82.5
	105	258	232	220	0	94.8		85.3	
	3	258	208	197	0	94.7		76.4	
	125	258	236	223	0	94.5		86.4	
	17	258	215	201	0	93.5		77.9	
STS 10mg/L MC	2	258	257	236	0	91.8	93.1	91.5	90.8
	36	258	268	258	0	96.3		96.3	
	74	258	248	228	0	91.9		88.4	
	38	258	263	238	0	90.5		90.5	
	118	258	237	225	0	94.9		87.2	
STS 25mg/L MC	114	258	243	229	0	94.2	94.7	88.8	88.1
	101	258	243	231	0	95.1		89.5	
	41	258	245	235	0	95.9		91.1	
	20	258	236	223	0	94.5		86.4	
	61	258	233	218	0	93.6		84.5	

Data Entry:AG 11/2/22
QC: RV 12/9/22

SIYB TIE
Site: SIYB-1 Baselines and Treatments
Mussel Development Test- Mg-d
11/2/2022

Treatment	Rand#	Initial Density	Counted	Normal	Curved	% Normal	Mean % Normal	Combined% Normal	Mean Combined % Normal
SIYB-1 Baseline #1	48	258	247	135	4	54.7	52.6	52.3	46.7
	1	258	212	123	4	58.0		47.7	
	80	258	231	109	9	47.2		42.2	
	73	258	228	121	9	53.1		46.9	
	104	258	228	114	4	50.0		44.2	
SIYB-1 Baseline #2	33	258	251	125	6	49.8	49.2	48.4	44.7
	29	258	263	131	9	49.8		49.8	
	13	258	203	94	4	46.3		36.4	
	37	258	214	108	2	50.5		41.9	
	94	258	243	121	6	49.8		46.9	
SIYB-1 Filtration (0.45)	106	258	239	79	2	33.1	34.1	30.6	31.3
	18	258	248	112	2	45.2		43.4	
	90	258	234	77	5	32.9		29.8	
	47	258	223	71	5	31.8		27.5	
	87	258	235	65	5	27.7		25.2	
SIYB-1 Aeration	96	258	237	193	15	81.4	80.8	74.8	74.6
	23	258	251	211	6	84.1		81.8	
	22	258	251	204	13	81.3		79.1	
	97	258	226	167	18	73.9		64.7	
	30	258	225	187	13	83.1		72.5	
SIYB-1 C8 Column SPE	34	258	226	215	0	95.1	93.9	83.3	86.9
	60	258	248	228	0	91.9		88.4	
	44	258	260	245	0	94.2		94.2	
	24	258	227	213	0	93.8		82.6	
	82	258	235	222	0	94.5		86.0	
SIYB-1 C8 Elute 2x	79	258	223	209	0	93.7	94.2	81.0	85.5
	56	258	234	226	0	96.6		87.6	
	110	258	228	215	0	94.3		83.3	
	120	258	233	222	0	95.3		86.0	
	16	258	254	231	0	90.9		89.5	
SIYB-1 C8 Elute 4x	19	258	254	236	0	92.9	94.5	91.5	82.7
	53	258	212	203	0	95.8		78.7	
	70	258	234	219	0	93.6		84.9	
	71	258	212	200	0	94.3		77.5	
	64	258	218	209	0	95.9		81.0	
SIYB-1 Cation Exchange	78	258	202	188	0	93.1	93.4	72.9	81.8
	10	258	229	218	0	95.2		84.5	
	100	258	250	237	0	94.8		91.9	
	115	258	204	188	0	92.2		72.9	
	51	258	244	224	0	91.8		86.8	
SIYB-1 EDTA 10mg/L	91	258	260	242	0	93.1	93.5	93.1	89.2
	109	258	225	209	0	92.9		81.0	
	112	258	240	223	0	92.9		86.4	
	32	258	250	239	0	95.6		92.6	
	95	258	274	255	0	93.1		93.1	
SIYB-1 EDTA 25mg/L	69	258	234	219	0	93.6	94.1	84.9	86.6
	39	258	211	199	0	94.3		77.1	
	84	258	225	207	0	92.0		80.2	
	102	258	284	268	0	94.4		94.4	
	83	258	264	254	0	96.2		96.2	
SIYB-1 STS 10mg/L	21	258	246	215	3	87.4	81.6	83.3	74.3
	35	258	236	186	3	78.8		72.1	
	107	258	239	197	7	82.4		76.4	
	75	258	225	177	4	78.7		68.6	
	42	258	227	183	3	80.6		70.9	
SIYB-1 STS 25mg/L	81	258	237	212	2	89.5	92.0	82.2	88.1
	6	258	243	231	0	95.1		89.5	
	76	258	240	224	0	93.3		86.8	
	15	258	260	237	0	91.2		91.2	
	45	258	257	234	2	91.1		90.7	

Data Entry:AG 11/2/22
QC: RV 12/9/22

Embryo-Larval Development Test
Scoring Worksheet

Client: Wood/ SIYB
Project ID: SIYB TIE
Test No.: 22-08-044

Test Species: *M. galloprovincialis*
Start Date: 8/17/2022 1548
End Date: ~~8/17/2022~~ 8/19/22 1400
RV 0B0 BI

Random #	# Counted	# Normal	Abnormal: Number Curved Shell	Abnormal: All Other Abnormal	Tech Initials / Notes
1	212	123	4	85	BT 10/11/22
2	257	236	0	21	
3	208	197	0	11	
4	214	206	0	8	
5	239	225	0	14	
6	246	231	0	15	
7	213	203	0	10	
8	239	231	0	8	
9	225	210	0	15	
10	229	218	0	11	
11	247	228	0	19	
12	208	190	0	18	
13	203	94	4	105	
14	229	215	0	14	
15	260	237	0	23	
16	254	231	0	23	
17	215	201	0	14	
18	248	112	2	134	
19	254	236	0	18	
20	236	223	0	13	
21	246	215	3	28	10/20/22
22	251	204	13	34	
23	251	211	6	34	
24	227	213	0	14	
25	239	231	0	8	
26	246	231	0	15	
27	232	210	0	22	
28	244	229	0	15	
29	263	131	9	123	
30	225	187	13	25	
31	221	200	0	21	
32	250	239	0	11	
33	251	125	6	120	
34	226	215	0	11	
35	236	186	3	47	
36	268	258	0	10	
37	214	108	2	104	
38	263	238	0	25	
39	211	199	0	12	10/21/22
40	228	201	0	27	

QC Check: AG

Final Review: RV 3/8/23

T0 x = 258

Embryo-Larval Development Test
Scoring Worksheet

Client: Wood/ SIYB
Project ID: SIYB TIE
Test No.: 22-08-044

Test Species: *M. galloprovincialis*
Start Date: 8/17/2022 1545
End Date: 8/19/2022 1400

Random #	# Counted	# Normal	Abnormal: Number Curved Shell	Abnormal: All Other Abnormal	Tech Initials / Notes
41	245	235	0	10	BI 10/21/22
42	227	183	3	41	
43	261	247	0	14	
44	260	245	0	15	
45	257	234	2	21	
46	232	217	0	15	
47	223	71	5	147	
48	247	135	4	108	
49	230	219	0	11	10/22/22
50	225	210	0	15	
51	244	224	0	20	
52	249	235	0	14	
53	212	203	0	9	
54	269	248	0	21	
55	240	231	0	9	
56	234	226	0	8	
57	219	204	0	15	
58	240	227	0	13	
59	200	185	0	15	
60	248	228	0	20	
61	233	218	0	15	
62	247	233	0	14	
63	228	214	0	14	
64	218	209	0	9	10/25/22
65	222	208	0	14	
66	223	211	0	12	
67	246	232	0	14	
68	227	213	0	14	
69	234	219	0	15	
70	234	219	0	15	
71	212	200	0	12	
72	239	224	0	15	
73	228	121	9	98	
74	248	228	0	20	
75	225	177	4	44	
76	240	224	0	16	
77	211	202	0	9	10/28/22
78	202	188	0	14	
79	223	209	0	14	
80	231	109	9	113	

QC Check: AG

Final Review: RN 3/8/23

Embryo-Larval Development Test
Scoring Worksheet

Client: Wood/ SIYB
Project ID: SIYB TIE
Test No.: 22-08-044

Test Species: *M. galloprovincialis*
Start Date: 8/17/2022 1545
End Date: 8/19/2022 1400

Random #	# Counted	# Normal	Abnormal: Number Curved Shell	Abnormal: All Other Abnormal	Tech Initials / Notes
81	237	212	2	23	BA 10/28/22
82	235	222	0	13	
83	264	254	0	10	
84	225	207	0	18	
85	221	205	0	16	
86	243	229	0	14	
87	235	65	5	165	
88	254	239	0	15	
89	218	194	0	24	
90	234	77	5	152	
91	260	242	0	18	
92	247	234	0	13	
93	235	212	0	23	
94	243	121	6	116	
95	274	255	0	19	
96	237	193	15	29	
97	226	167	18	41	
98	215	204	0	11	10/31/22
99	227	204	0	23	
100	250	237	0	13	
101	243	231	0	12	
102	284	268	0	16	
103	223	205	0	18	
104	228	114	4	110	
105	232	220	0	12	
106	239	79	2	158	
107	239	197	7	35	
108	227	203	0	24	
109	225	209	0	16	
110	228	215	0	13	
111	233	219	0	14	
112	240	223	0	17	
113	252	242	0	10	
114	243	229	0	14	11/2/22
115	204	188	0	16	
116	209	197	0	12	
117	242	227	0	15	
118	237	225	0	12	
119	236	221	0	15	
120	233	222	0	11	
121	236	223	0	13	
122	238	221	0	17	
123	224	209	0	15	
124	240	224	0	16	
125	236	223	0	13	

QC Check: AG

Final Review: RV 3/8/23

Wood Shelter Island Yacht Basin TIE
Site: SIYB-1
Random Numbers - Mussel Test
8/17/2022

Treatment	Rand#
Lab Control #1	7
	40
	58
	4
	72
Lab Control #2	25
	63
	77
	12
	111
Filtration (0.45) MC	103
	43
	108
	124
	66
Aeration MC	57
	119
	55
	59
	50
C8 Column SPE MC	11
	92
	5
	62
	88
Methanol Cont	54
	49
	31
	27
	68
C8 Elute 2x MC	86
	67
	52
	26
	9
C8 Elute 4x MC	28
	46
	14
	122
	116
Cation Exchange MC	93
	117
	99
	123
	89
EDTA 10mg/L MC	98
	65
	8
	85
	113
EDTA 25mg/L MC	121
	105
	3
	125
	17
STS 10mg/L MC	2
	36
	74
	38
	118
STS 25mg/L MC	114
	101
	41
	20
	61

#28 filled to 8.5 mL

QC: NJ

Treatment	Rand#
SIYB-1 Baseline #1	48
	1
	80
	73
	104
SIYB-1 Baseline #2	33
	29
	13
	37
	94
SIYB-1 Filtration (0.45)	106
	18
	90
	47
	87
SIYB-1 Aeration	96
	23
	22
	97
	30
SIYB-1 C8 Column SPE	34
	60
	44
	24
	82
SIYB-1 C8 Elute 2x	79
	56
	110
	120
	16
SIYB-1 C8 Elute 4x	19
	53
	70
	71
	64
SIYB-1 Cation Exchange	78
	10
	100
	115
	51
SIYB-1 EDTA 10mg/L	91
	109
	112
	32
	95
SIYB-1 EDTA 25mg/L	69
	39
	84
	102
	83
SIYB-1 STS 10mg/L	21
	35
	107
	75
	42
SIYB-1 STS 25mg/L	81
	6
	76
	15
	45

QC: NJ

Water Quality for Bivalve Development

Client: Wood - Port of San Diego
Project ID: SIYB TIE
Test No. 22-08-044

Test Species: *M. galloprovincialis*
Start Date/Time: 8/17/2022 1545
End Date/Time: 8/19/2022 1400

Treatment	Water Quality Measurements			
	Parameter	**0hr**	**24hr**	**48hr**
Lab Control #1	Temp. (°C)	18.7 (R)	15.8	15.5
	Salinity (ppt)	~~33.93~~ 33.7	33.5	34.1
	pH (units)	7.91	7.73	7.80
	DO (mg/L)	7.9	8.2	8.6
Lab Control #2	Temp. (°C)	18.5 (R)	15.4	15.1
	Salinity (ppt)	33.7	33.6	34.2
	pH (units)	7.97	7.74	7.84
	DO (mg/L)	7.9	8.2	8.5
Filtration (0.45) MC	Temp. (°C)	20.5 (R)	15.4	15.1
	Salinity (ppt)	33.8	33.6	34.1
	pH (units)	7.68	7.74	7.83
	DO (mg/L)	6.3	8.2	8.5
Aeration MC	Temp. (°C)	23.0 (R)	15.4	15.1
	Salinity (ppt)	33.8	33.8	34.1
	pH (units)	7.91	7.75	7.84
	DO (mg/L)	7.6	8.3	8.3
C8 Column SPE MC	Temp. (°C)	23.6 (R)	15.4	15.1
	Salinity (ppt)	33.9	33.8	34.0
	pH (units)	7.71	7.74	7.81
	DO (mg/L)	7.4	8.3	8.4
Methanol Cont 4x	Temp. (°C)	18.9 (R)	15.5	15.0
	Salinity (ppt)	32.8	33.2	33.5
	pH (units)	7.94	7.75	7.83
	DO (mg/L)	7.9	8.3	8.3
C8 Elute 2x MC	Temp. (°C)	15.9	15.6	15.2
	Salinity (ppt)	33.4	33.7	34.0
	pH (units)	7.57	7.74	7.83
	DO (mg/L)	8.3	8.3	8.5
C8 Elute 4x MC	Temp. (°C)	15.0		NR
	Salinity (ppt)	33.4	NE Not Enough	NR
	pH (units)	7.58	Volume for	NR
	DO (mg/L)	8.3	readings	NR
	Tech Initials:	AG/ML	JF	MS

Source of Animals: SIO Holding Facility **Date Received:** 5/16/22

Comments: (R) Temp surrogate @ 15.0°C @ time of initiation
NR: Not Recorded, Not enough volume for readings

QC: RV 9/23/22

Final QC: AG 9/25/22

Water Quality for Bivalve Development

Client: Wood - Port of San Diego
Project ID: SIYB TIE
Test No. 22-08-044

Test Species: *M. galloprovincialis*
Start Date/Time: 8/17/2022 1545
End Date/Time: 8/19/2022 1400

Treatment	Water Quality Measurements			
	Parameter	0hr	24hr	48hr
Cation Exchange MC	Temp. (°C)	ML ~~23.7~~ 15.8	16.0	15.1
	Salinity (ppt)	ML ~~33.5~~ 33.8	33.5	34.3
	pH (units)	ML ~~7.75~~ 7.60	7.68	7.80
	DO (mg/L)	ML ~~7.3~~ 7.8	8.0	8.2
EDTA 10mg/L MC	Temp. (°C)	23.7 (A)	16.0	15.2
	Salinity (ppt)	33.5	33.5	33.~~8~~7 RV
	pH (units)	7.75	7.68	7.81
	DO (mg/L)	7.3	8.2	8.4
EDTA 25mg/L MC	Temp. (°C)	24.0 (A)	16.0	15.1
	Salinity (ppt)	33.5	33.5	33.9
	pH (units)	7.64	7.68	7.76
	DO (mg/L)	7.2	8.2	8.5
STS 10mg/L MC	Temp. (°C)	23.9 (A)	16.0	15.2
	Salinity (ppt)	33.5	33.7	33.7
	pH (units)	7.80	7.68	7.77
	DO (mg/L)	7.3	8.3	8.4
STS 25mg/L MC	Temp. (°C)	23.6 (A)	16.0	15.1
	Salinity (ppt)	33.5	33.4	33.8
	pH (units)	7.82	7.69	7.80
	DO (mg/L)	7.3	8.1	8.3
	Tech Initials:	AG/ML	JF	MS

Source of Animals: SIO Holding Facility
Date Received: 5/16/22

Comments: (A) Temperature surrogate @ 15.0°C @ time of initiation

QC: RV 9/23/22

Final QC: AG 9/25/22

Water Quality for Bivalve Development

Client: Wood - Port of San Diego
Project ID: SIYB TIE
Test No. 22-08-044

Test Species: *M. galloprovincialis*
Start Date/Time: 8/17/2022 1545
End Date/Time: 8/19/2022 1400

Treatment	Water Quality Measurements			
	Parameter	0hr	24hr	48hr
SIYB-1 Baseline #1	Temp. (°C)	17.3 (A)	15.6	15.1
	Salinity (ppt)	34.0	34.0	34.4
	pH (units)	7.59	7.69	7.78
	DO (mg/L)	6.0	8.3	8.4
SIYB-1 Baseline #2	Temp. (°C)	17.4 (A)	15.6	15.0
	Salinity (ppt)	34.2	34.1	34.6
	pH (units)	7.74	7.69	7.82
	DO (mg/L)	6.0	8.3	8.4
SIYB-1 Filtration (0.45)	Temp. (°C)	17.5 (A)	15.5	15.0
	Salinity (ppt)	33.9	34.0	34.4
	pH (units)	7.81	7.71	7.85
	DO (mg/L)	6.2	8.2	8.4
SIYB-1 Aeration	Temp. (°C)	18.8 (A)	15.8	15.2
	Salinity (ppt)	34.0	34.0	34.2
	pH (units)	7.85	7.71	7.85
	DO (mg/L)	7.7	8.2	8.5
SIYB-1 C8 Column SPE	Temp. (°C)	19.1 (A)	15.7	15.1
	Salinity (ppt)	34.2	34.2	34.4
	pH (units)	7.75	7.71	7.83
	DO (mg/L)	7.6	8.3	8.5
SIYB-1 C8 Elute 2x	Temp. (°C)	17.9 (A)	16.0	15.2
	Salinity (ppt)	33.6	34.1	34.2
	pH (units)	7.84	7.69	7.79
	DO (mg/L)	7.9	8.4	8.4
SIYB-1 C8 Elute 4x	Temp. (°C)	15.8	NR*	NR
	Salinity (ppt)	34.1	Not Enough	NR
	pH (units)	7.60	Volume for	NR
	DO (mg/L)	7.8	Readings	NR
SIYB-1 Cation Exchange	Temp. (°C)	15.9	15.9	15.2
	Salinity (ppt)	33.7	34.5	34.9
	pH (units)	7.64	7.65	7.84
	DO (mg/L)	7.7	8.0	8.2
	Tech Initials:	AG/ML	JF	MS

Source of Animals: SIO Holding Facility **Date Received:** 5/16/22

Comments: (A) Temperature surrogate @ 15.0°C @ time of initiation
NR: NOT Recorded, not enough volume for readings

QC: RV 9/23/22

Final QC: AG 9/25/23

Water Quality for Bivalve Development

Client: Wood - Port of San Diego
Project ID: SIYB TIE
Test No. 22-08-044

Test Species: *M. galloprovincialis*
Start Date/Time: 8/17/2022 1545
End Date/Time: 8/19/2022 1400

Treatment	Water Quality Measurements			
	Parameter	0hr	24hr	48hr
SIYB-1 EDTA 10mg/L	Temp. (°C)	19.3 (A)	16.0	15.2
	Salinity (ppt)	33.8	33.8	34.0
	pH (units)	7.76	7.69	7.83
	DO (mg/L)	7.5	8.7	8.5
SIYB-1 EDTA 25mg/L	Temp. (°C)	19.2 (A)	16.0	15.1
	Salinity (ppt)	33.8	33.9	34.4
	pH (units)	7.65	7.68	7.85
	DO (mg/L)	7.5	8.3	8.4
SIYB-1 STS 10mg/L	Temp. (°C)	19.5 (A)	16.0	15.2
	Salinity (ppt)	33.8	33.7	34.1
	pH (units)	7.8	8.3	7.83
	DO (mg/L)	7.5	7.68	8.4
SIYB-1 STS 25mg/L	Temp. (°C)	19.8 (A)	16.0	15.1
	Salinity (ppt)	33.9	33.9	34.4
	pH (units)	7.85	7.68	7.84
	DO (mg/L)	7.5	8.1	8.4
	Tech Initials:	OBD MR	JF	MS

Source of Animals: BIO Holding Facility
Date Received: 5/16/22

Comments: (A) Temperature surrogate @ 15.0°C @ time of initiation

QC: RV 9/23/22

Final QC: AG 9/25/22