

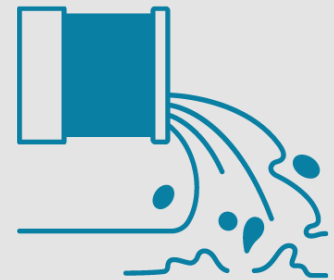


California Marine Sanctuary Foundation in partnership  
with Monterey Bay National Marine Sanctuary

# 2022 MRSWMP Dry Run & First Flush Monitoring Report



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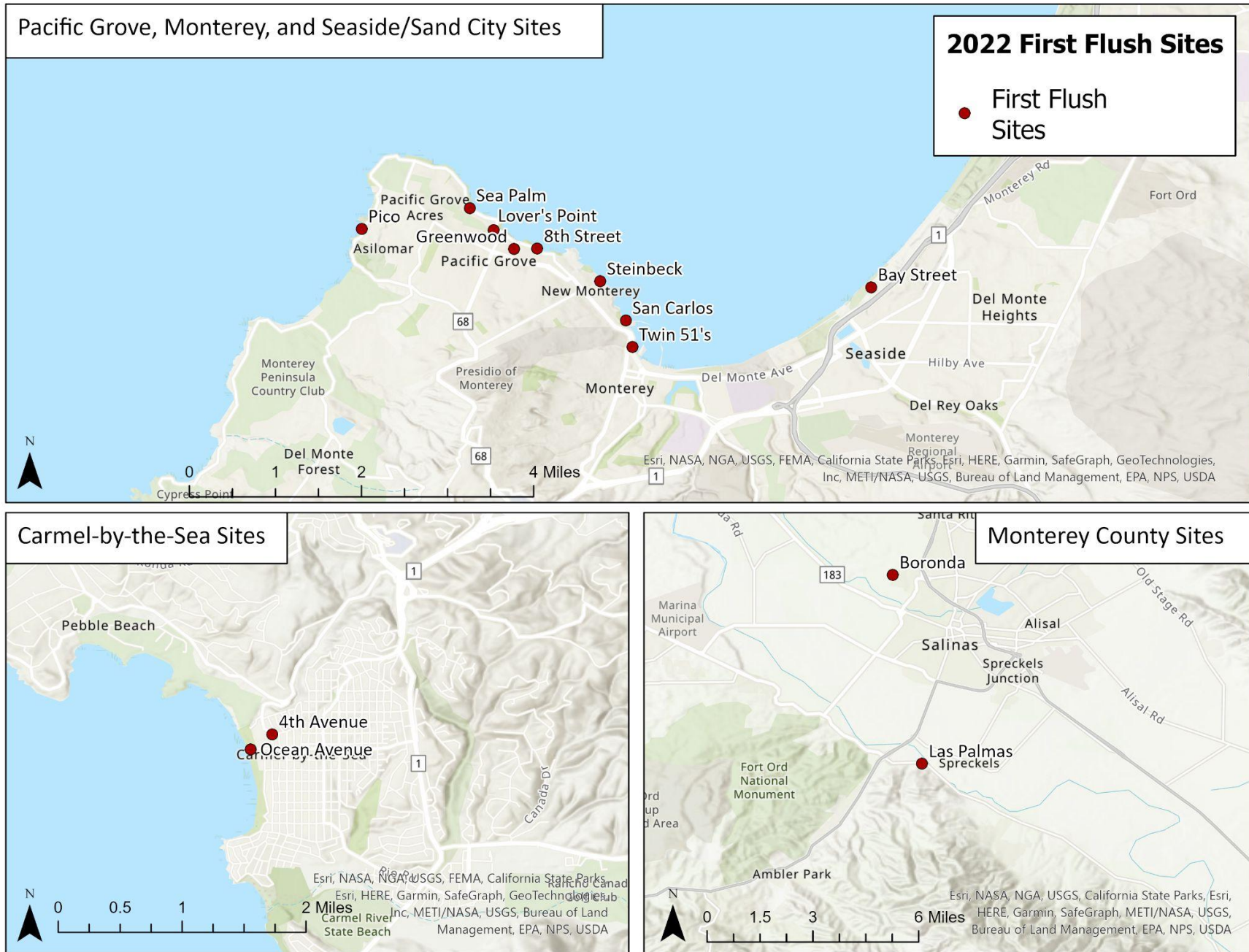
## MONTEREY SEA

Stormwater Education Alliance

Carmel-by-the-Sea • County of Monterey • Del Rey Oaks  
Monterey • Pacific Grove • Sand City • Seaside



**Figure 1.** Sites monitored during the MRSWMP 2022-2023 First Flush.



**Figure 2.** Sites monitored by region during the MRSWMP 2022-2023 First Flush.

## Table of Contents

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<b>Introduction</b>	<b>1</b>
<b>Methods</b>	<b>1</b>
<b>Results</b>	<b>6</b>
Nutrients	7
Metals	13
Clarity	16
Fecal Indicator Bacteria	19
Liquid Waste Identifiers	22
<b>Results by Jurisdiction</b>	<b>25</b>
<b>Conclusion</b>	<b>28</b>
<b>Appendix 1: MRSWMP Monitoring Sites</b>	<b>29</b>
<b>Appendix 2: Results by Analyte (listed alphabetically)</b>	<b>30</b>
<b>Appendix 3: Results by Jurisdiction (listed alphabetically)</b>	<b>59</b>

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## Introduction

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The Monterey Stormwater Education Alliance (Monterey SEA) water quality monitoring program is modeled after Monterey Bay National Marine Sanctuary's (MBNMS) Dry Run-First Flush monitoring program. MBNMS' Dry Run and First Flush volunteers collect water samples from storm drain outfalls prior to the first major rainstorm of the year (Dry Run) and during the first major rainstorm of the winter season (First Flush). Samples are analyzed for common urban pollutants such as surfactants, bacteria, metals, sediment, and nutrients.

Samples collected during dry weather prior to the first major rainstorm provide information about dry weather flows such as pollutant concentrations, amount of groundwater base flow, or contributions from urban sources such as car washing, pressure washing, irrigation, or illicit discharges. Dry weather flows are an important component of water quality monitoring since contaminants are more concentrated which causes them to be more easily detected and traced to their source. While water samples collected during the first major rainstorm of the winter season provide information on the concentration of contaminants in stormwater after months of dry weather accumulation of pollutants on land in urban areas. All runoff from the Monterey region eventually flows into MBNMS except in areas where diversions have been installed that capture some dry and wet weather storm drain system flows and divert it to the sanitary sewer. The cities of Pacific Grove, Salinas, and Carmel-by-the-Sea have constructed diversions which facilitate reuse of runoff while minimizing contaminants flowing to MBNMS. It is hoped that this data collected for Monterey Regional Stormwater Management Program's (MRSWMP) water quality monitoring program provides local cities with information on where to implement best management practices focused on improving water quality.

The MRSWMP water quality monitoring program promotes volunteer participation, stewardship, and environmental education while providing important data regarding the quality of water flowing into MBNMS. This monitoring program is designed to meet E.8.ii requirements under the Phase II Stormwater Permit, satisfying public involvement and participation elements of the permit. This monitoring program does not fulfill the E.13 requirements pertaining to ASBS Monitoring, TMDL Monitoring, 303(d) Monitoring, or Receiving Water Monitoring which are completed by permittees individually or through regional programs.

## Methods

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The same protocols and laboratory analyses are used for both MRSWMP water quality monitoring events. Dry Run and First Flush volunteers attend an online, or in-person training that covers why samples are collected and how. During non-COVID years, after training the volunteers then participate in hands-on practice during the Dry Run, a half day event where volunteers demonstrate their skills, visit outfall sites, and collect water samples if flowing water is found. In 2022, First Flush occurred before the scheduled training, so the training was conducted during Dry Run with CMSF, MBNMS, and MRSWMP staff, with assistance from a few volunteers.

During Dry Run, field measurements (water temperature, pH, electrical conductivity, and transparency) are taken in-situ and water samples are collected for lab analysis of nutrients (nitrate, orthophosphate, ammonia, and urea), bacteria (*Eschericia coli* and enterococcus), metals (copper, lead, and zinc), total suspended solids, color, Methylene Blue Active Substances (MBAS) surfactants, hardness (as CaCO<sub>3</sub>), potassium, and turbidity.

Once Dry Run has been completed, the wait for the first major rainstorm begins. Waiting for a storm big enough to conduct First Flush sampling can take weeks or sometimes months. Volunteers are mobilized for the First Flush when at least 0.10 inches of rain has fallen, there is sheeting water on roadways, and storm water conductivity is at or below 1000 µS. During First Flush, volunteers take the same field measurements as during Dry Run (water temperature, pH, electrical conductivity, and transparency) and collect the same water samples for lab analysis of nutrients (nitrate, orthophosphate, ammonia, and urea), bacteria (*Eschericia coli* and Enterococcus), metals (copper, lead, and zinc), total suspended solids, color, Methylene Blue Active Substances (MBAS) surfactants, hardness (as CaCO<sub>3</sub>), potassium, and turbidity. Samples and field equipment are delivered immediately to the monitoring coordinator once sample collection is complete. Once all the samples are received, the monitoring coordinator delivers the samples to a certified lab.

Dry Run monitoring entails collecting a single grab sample from each site with flowing water. During First Flush, two sets of grab samples are collected 30 minutes apart for two time series samples. In this report, First Flush results reported by *analyte* are averaged between the two time series, and First Flush results reported by *jurisdiction* have individual time series results listed. Samples for urea are only collected during the first time series and therefore represent a single sample result for each event.

The Cities of Carmel-by-the-Sea and Pacific Grove operate storm drain diversions for dry and some wet weather flows to the storm drain system. Two sites in Carmel-by-the-Sea, 4<sup>th</sup> Avenue and Ocean Avenue, are within the city's diversion system boundaries, where dry weather storm drain flows are retained and diverted into infiltration trenches. The City of Carmel's diversion is never on during First Flush. The 4<sup>th</sup> Avenue (Carmel) site is monitored above the connection point with the diversion system for Dry Run and First Flush due to access issues at the outfall. Ocean Avenue is sampled at the outfall for both Dry Run and First Flush events as outfall access is available year-round.

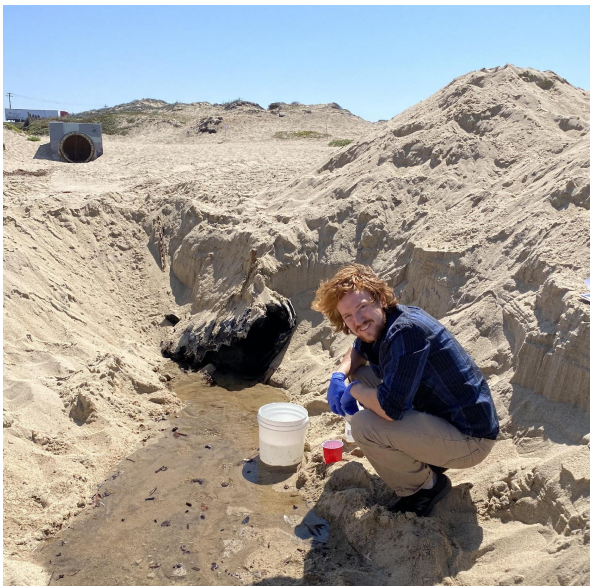
The City of Pacific Grove's diversion collects dry and wet weather storm drain flows and pumps them into the sanitary sewer. Sites monitored in 2022 within the City of Pacific Grove's diversion system boundaries were: 8<sup>th</sup> Street, Greenwood Park, and Lover's Point. During dry weather, 8<sup>th</sup> Street and Lover's Point are sampled at the outfall, which may or may not have flow as any flow is diverted unless the system is blocked by debris and some water bypasses the diversion. Greenwood Park is always monitored above the diversion system in both dry and wet weather due to safety and access issues at the outfall. If the City of Pacific Grove's diversion remains on during First Flush, as it was this year, sites are still monitored as follows: Greenwood Park and Lover's Point are monitored above the diversion system; 8<sup>th</sup> Street is monitored at the outfall if flow is present, as it was this year. Water quality data from sites monitored above any dry or wet weather diversions are still valuable as contaminants identified in the runoff may not flow to the ocean.

Most results (lab and field) in this study are compared to receiving water standards established for beneficial uses in a stream, lake, or the ocean (**Table 1**). These receiving water quality standards are not meant for end-of-pipe monitoring, such as for this MRSWMP water quality monitoring program, except for the analytes that are required by the MS4 General Permit. However, lacking standards for most end-of-pipe monitoring, receiving water standards are used for comparison. MBAS surfactants and metal results are compared to the Water Quality Control Plan for the Central Coast Basin (Basin Plan) Water Quality Objectives (WQO) set by the Regional Water Quality Control Board (RWQCB) for the protection of marine or aquatic life. Since there are no numerical water quality objectives in the Basin Plan for *E. coli*, Enterococcus, nitrate, orthophosphate, and total suspended solids (TSS), those results are compared with the U.S. Environmental Protection Agency (U.S. EPA) WQOs or Central Coast Ambient Monitoring Program's (CCAMP) Action Levels. The U.S. EPA objectives are for the protection of human health while CCAMP's Action Levels are benchmarks that are set for receiving water concentrations at which pollutants may impact cold-water fish. Action Levels typically represent existing regulatory standards; levels derived from the literature or other agency references; or from data that shows levels are elevated relative to the data distribution for that parameter on the Central Coast. It is important to reiterate that both RWQCB Basin Plan Water Quality Objectives and CCAMP Action Levels are established for receiving waters and not for end-of-pipe discharges such as is collected for the MRSWMP monitoring. There are no end-of-pipe objectives for most of the monitored analytes of the MRSWMP monitoring program, however, the State Water Resources Control Board's (SWRCB) National Pollution Discharge and Elimination System (NPDES) MS4 General Permit does provide end-of-pipe water quality Action Levels for: ammonia, color, hardness, potassium, and turbidity. For turbidity, the SWRCB NPDES MS4 Action Levels have been supplanted by CCAMP Action Levels that are more protective of water quality.

Grab sample results are reported as concentration, consistent with how the water quality objectives are defined. However, this does not give an indication of the load of pollutants being discharged. To facilitate calculation of instantaneous load, instantaneous flow was measured by filling a container of known volume (a bucket), timing how fast the container filled, and estimating how much of the flow was captured while filling the container. Dry Run instantaneous flow calculations are from a single sample, while the First Flush instantaneous flow calculations are an average of two time series samples. We provide this information to give an indication of the amount of flow at the time of sampling.



**Figure 3.** First Flush sampling on September 18th near Fisherman's Wharf in Monterey. Photo: B. Hoover.



**Figure 4.** Dry Run sampling at Bay Street. Photo: B. Hoover



**Figure 5.** A sunny First Flush sampling after a rain event at Las Palmas in Salinas. Photo: B. Hoover



**Table 1: Receiving Water Quality Objectives**

<b><u>Parameter (reporting units)</u></b>	<b><u>Water Quality Objectives</u></b>	<b><u>Source of Objective</u></b>
Ammonia (mg/L)	Not to exceed 50	SWRCB NPDES MS4 General Permit
Color (color units)	Not to exceed 500	SWRCB NPDES MS4 General Permit
Copper ( $\mu\text{g/L}$ )	Not to exceed 30 <sup>1</sup>	Water Quality Control Plan for the Central Coast- RWQCB
<i>E. coli</i> (MPN/100mL)	Not to exceed 235 <sup>2</sup>	National Recommended Water Quality Criteria
Enterococcus (MPN/100mL)	Not to exceed 104	National Recommended Water Quality Criteria
Hardness as CaCO <sub>3</sub> (mg/L)	Not $\leq 10$ or $\geq 2,000$	SWRCB NPDES MS4 General Permit
Lead ( $\mu\text{g/L}$ )	Not to exceed 30 <sup>1</sup>	Water Quality Control Plan for the Central Coast- RWQCB
MBAS Surfactants (mg/L)	Not to exceed 0.2	Water Quality Control Plan for the Central Coast- RWQCB
Nitrate as N (mg/L)	Not to exceed 2.25 <sup>3</sup>	Central Coast Ambient Monitoring Program (CCAMP)
Orthophosphate as P (mg/L)	Not to exceed 0.12 <sup>4</sup>	Central Coast Ambient Monitoring Program (CCAMP)
pH (pH units)	Not $< 6.5$ or $> 8.5$	Water Quality Control Plan for the Central Coast- RWQCB
Potassium (mg/L)	Not to exceed 20	SWRCB NPDES MS4 General Permit
Total Suspended Solids (TSS) (mg/L)	Not to exceed 500 <sup>5</sup>	Central Coast Ambient Monitoring Program (CCAMP)
Transparency (cm)	Not less than 25 <sup>6</sup>	Central Coast Ambient Monitoring Program (CCAMP)
Turbidity (NTU)	Not to exceed 25	Central Coast Ambient Monitoring Program (CCAMP)
Zinc ( $\mu\text{g/L}$ )	Not to exceed 200 <sup>1</sup>	Water Quality Control Plan for the Central Coast- RWQCB

**Note:** Urea is not listed because it does not have a Water Quality Objective or Action Level.

<sup>1</sup> Water Quality Control Plan for Central Coast Cold Water Objective for Hard Water.

<sup>2</sup> Environmental Protection Agency, Updated WQO.

<sup>3</sup> Central Coast Ambient Monitoring Program, Pajaro River Watershed Characterization Report 1998, rev 2003.

<sup>4</sup> Williamson, The Establishment of Nutrient Objectives, Sources, Impacts and Best Management Practices for the Pajaro River and Llagas Creek, 1994.

<sup>5</sup> Central Coast Ambient Monitoring Program, Salinas River Watershed Characterization Report 1999, rev. 2000.

<sup>6</sup> Based upon equivalent guideline value used for 303(d) Listing Guideline Value (Sigler et al., 1985).

## Results

Three main monitoring events took place during the 2022 MRSWMP permit year:

- Dry Run was conducted on Friday September 16th at 13 sites. Only six of the 13 sites had enough flowing water to be sampled for the Dry Run in 2022. Due to an early predicted rain event, employees from MBNMS, two volunteers, and Jeff Condit with MRSWMP assisted with sample collection.
- One First Flush event was conducted on September 18th, 2022, the earliest in First Flush history. All but two sites in Monterey County were visited with the help of 11 volunteers who donated over 60 hours to collect and deliver storm drain samples. Volunteers were mobilized at 10:00 pm when a rain event dropped an inch of rain over a span of two hours over the Monterey Peninsula.
- The final First Flush event occurred for the two sites in Monterey County (Las Palmas and Boronda) during a separate rain event on November 1st in the afternoon.

Flow was measured by volunteers at the time of sampling except at sites where low flow during Dry Run prohibited accurate flow measurements or during First Flush when an ISCO pump was used to pull sample water from a collection area. ISCOs were used during First Flush at Las Palmas (Monterey County), Bay Street (Seaside-Sand City), and Lover's Point (Pacific Grove). All other instantaneous flow estimates are listed in **Table 2**.

**Table 2:** Instantaneous flow estimates in liters per minute (lpm) per site. NA= data not available due to accessibility to end of pipe because of safety concerns or low flow; NR= Not recorded; NF= No flow

Jurisdiction	Site Description	Site ID	Dry Run	First Flush
Carmel	4 <sup>th</sup> Avenue	307-CASD-01	NF	227
	Ocean Avenue	307-CASD-02	NF	333
Monterey	Twins*	309-MSD-03	9.08	454
	San Carlos Beach	309-MSD-04	NF	1,135
	Steinbeck	309-MSD-05	NR	781
Monterey County	Boronda	309-SASD-01	NF	97
	Las Palmas	309-SASD-02	NF	NA
Pacific Grove	8 <sup>th</sup> Street	309-PGSD-01	NF	330
	Greenwood Park	309-CENTR-31	0.41	1,135
	Lover's Point	309-PGSD-03	NA	NA
	Sea Palm	309-PGSD-15	4.50	233
	Pico	309-PGSD-04	0.04	18.17
Seaside/ Sand City	Bay Street	309-SSD-02	NR	NA

\*Twins outfall is owned by the U.S. Army Presidio of Monterey and is utilized by both the City and Presidio of Monterey.

Each analyte is described below and includes a reporting of the Minimum Detection Limit (MDL), the lowest concentration that lab equipment can reliably detect. MDL is a statistical analysis of the confidence of results. Results below the MDL are reported as non-detect since lab equipment cannot reliably determine where the results lay between zero and the MDL.

Box and whisker graphs that show the data divided into dry weather (DR) and wet weather (FF) results by site. Dry weather monitoring events include Dry Runs and any previous Spring Run and Summer Run events. Wet weather monitoring is inclusive of First Flush and any previous Second Flush events. Box and whisker graphs show a distribution of the dataset in a convenient format for making comparisons between sites and the range of concentrations over the years. The box represents the range of 50% of the data above and below the median. The lines above and below the boxes are upper and lower whiskers that represent the remaining upper and lower 25% of the data. The end point of each whisker represents the maximum and minimum average result for that analyte at that location and provides an indication of the best- and worst-case results at that site.

## **Nutrients**

Nitrate, orthophosphate, ammonia, and urea are nutrients. Excess concentrations can assist in identifying a discharge of sewage as well as industrial or commercial liquid wastes. Nitrogen and phosphorus are elements needed for plant growth. Primary sources of **nitrate** in runoff include overwatering of fertilized lawns, agricultural and pasture lands, construction sites, and septic or sewer system leachate. Nitrate in runoff can lead to excessive nitrate in groundwater or increased growth of algal blooms that degrade water quality as algae die off and consume oxygen in their decomposition.

The CCAMP Action Level for nitrate as N ( $\text{NO}_3\text{-N}$ ) is 2.25 mg-N/L. The MDL was 0.01 mg-N/L for the Dry Run and 0.04 mg-N/L for the First Flush for all sites, except for the Monterey County sites at 0.01 mg-N/L. **Figure 6** represents Dry Run and **Figure 8** represents the First Flush nitrate ( $\text{NO}_3\text{-N}$ ) data since 2000. All outfall results are listed in **Appendix 2**.

- **Dry Run:** In 2022, one of the six sites exceeded the Action Level at Bay Street in Seaside at 11.9 mg-N/L.
- **First Flush:** None of the outfall sites exceeded the Action Level in 2022.

**Phosphorus** is also an essential element for plant growth. Orthophosphate is a form of phosphorus commonly found bound to soil particles, in sewage, fertilizers, and in surfactants that contain phosphates. In aquatic systems, orthophosphate is rapidly taken up by algae and aquatic plants. When excessive amounts are present, large algal blooms can occur which can lead to degraded water quality conditions toxic to marine or aquatic life.

The CCAMP Action Level for orthophosphate ( $\text{PO}_4\text{-P}$ ) is 0.12 mg-P/L. The MDL was 0.05 mg-P/L for the Dry Run and 0.20 mg-P/L for First Flush for all sites, except for the Monterey County sites at 0.05 mg-P/L. **Figure 6** represents the Dry Run and **Figure 8** represents the First Flush data for all MRSWMP orthophosphate data since 2000. All outfall results are listed in **Appendix 2**.

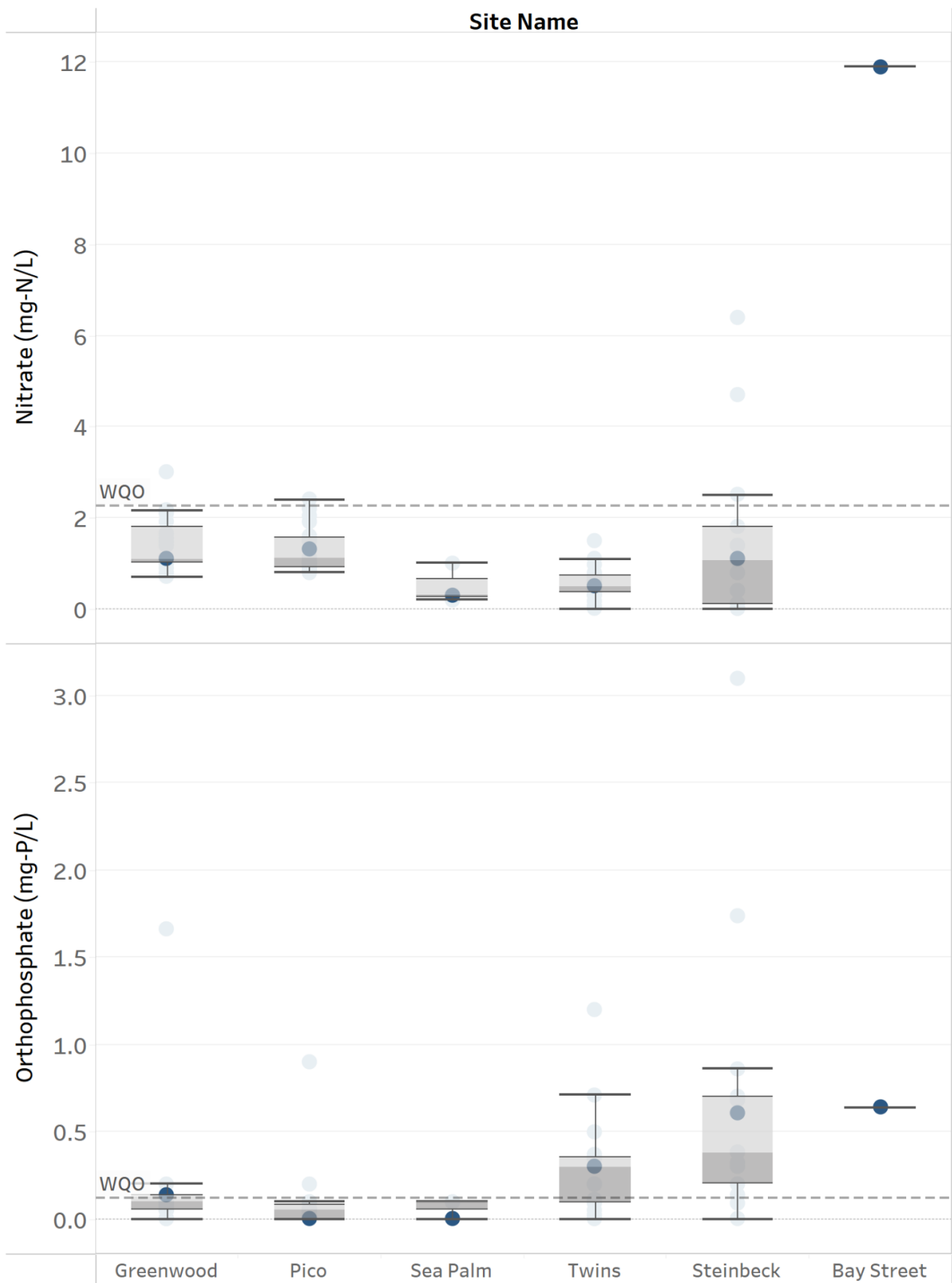
- **Dry Run:** In 2022, four of the six outfalls (67%) had results that exceeded the Action Level. The highest result of 0.64 was from Bay Street in Seaside and Steinbeck in Monterey.
- **First Flush:** All results exceeded the Action Level in 2022. The highest average result of 0.91 mg-P/L was at Steinbeck in Monterey.

**Ammonia**, in conjunction with other analytes, can assist in identifying a discharge of sewage as well as industrial or commercial liquid wastes. The SWRCB NPDES MS4 General Permit Action Level for ammonia as N is 50 mg/L; the MDL was 0.05 mg/L for the Dry Run and First Flush. **Figure 7** represents the Dry Run and **Figure 9** represents the First Flush data for all MRSWMP ammonia as N data since 2014. All outfall results are listed in **Appendix 2**. The WQO is not depicted on the graph, because all results since 2013 are far below the WQO of 50 mg/L.

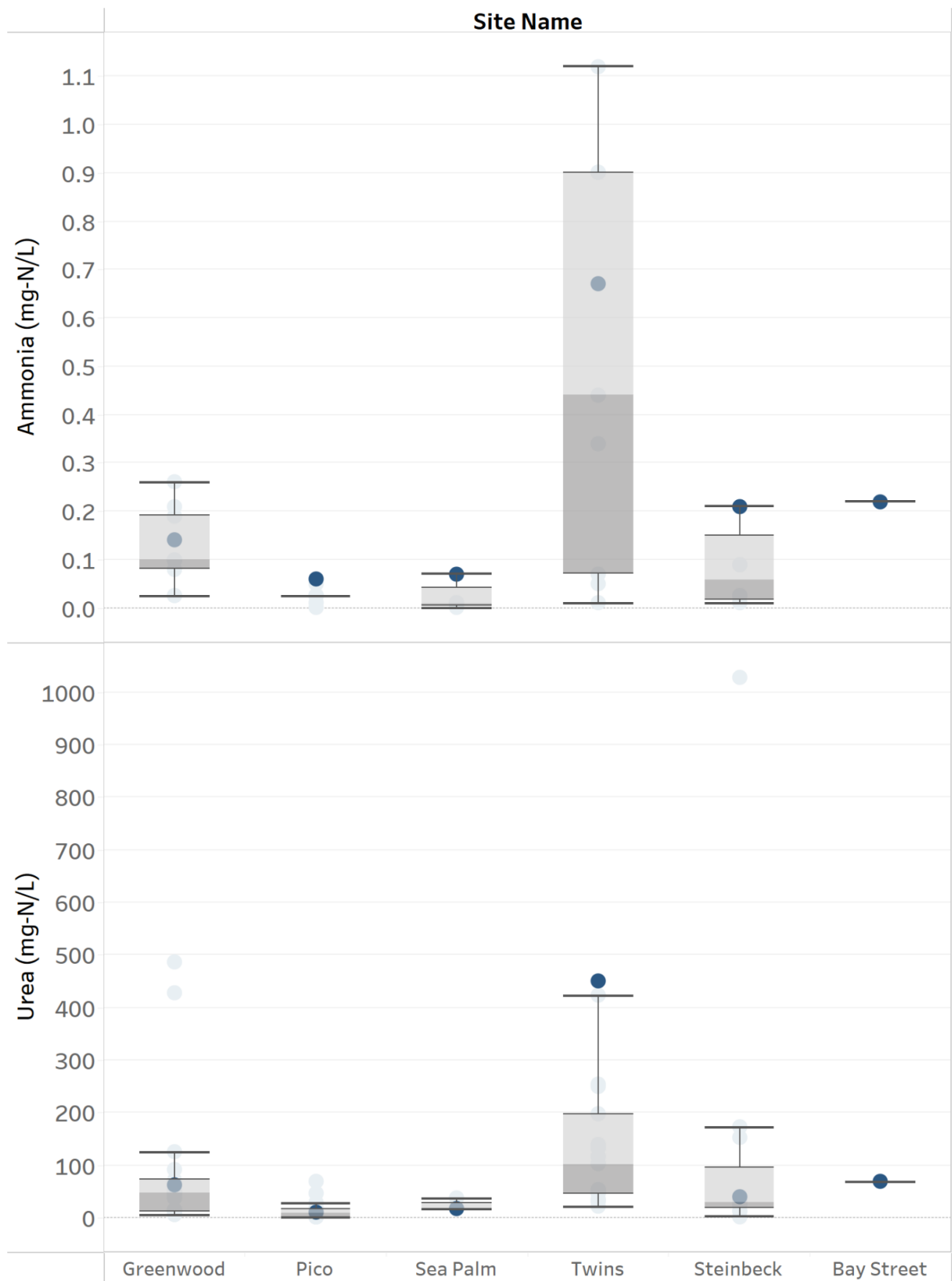
- **Dry Run and First Flush:** None of the outfall sites exceeded the Action Level in 2022.

**Urea** is an organic compound that is often used in agricultural and urban fertilizers. While there is not an established Action Level or WQO, urea concentrations are compared between sites. The MDL for urea was 8 µg/L for Dry Run and First Flush. **Figure 7** represents the Dry Run and **Figure 9** represents the First Flush data for all MRSWMP urea as N data since 2006. There is no WQO for urea. All outfall results are listed in **Appendix 2**.

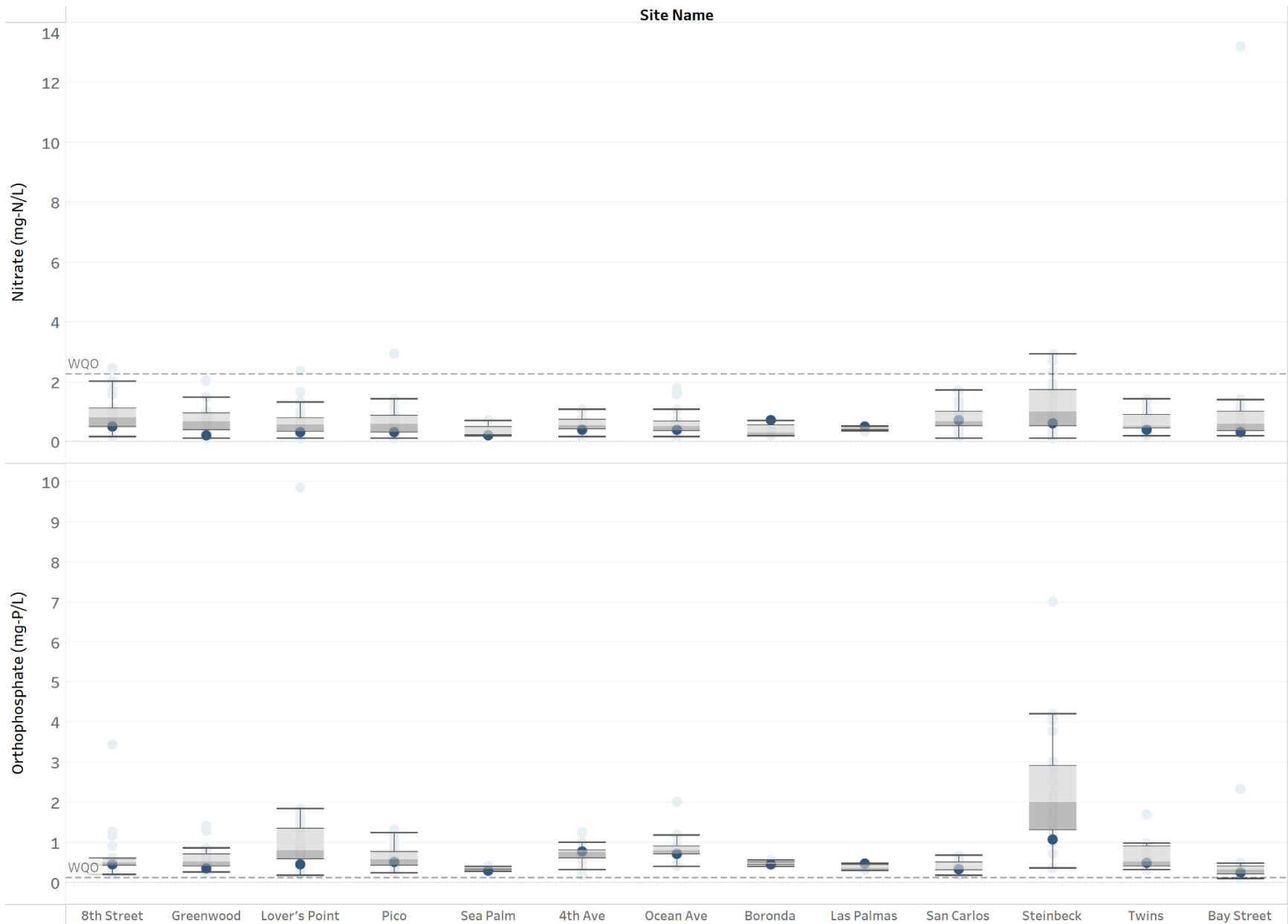
- **Dry Run:** In 2022, the highest urea result of 450 µg/L was from Twins in Monterey.
- **First Flush:** In 2022, the highest result of 1,170 µg/L was from Steinbeck in Monterey.



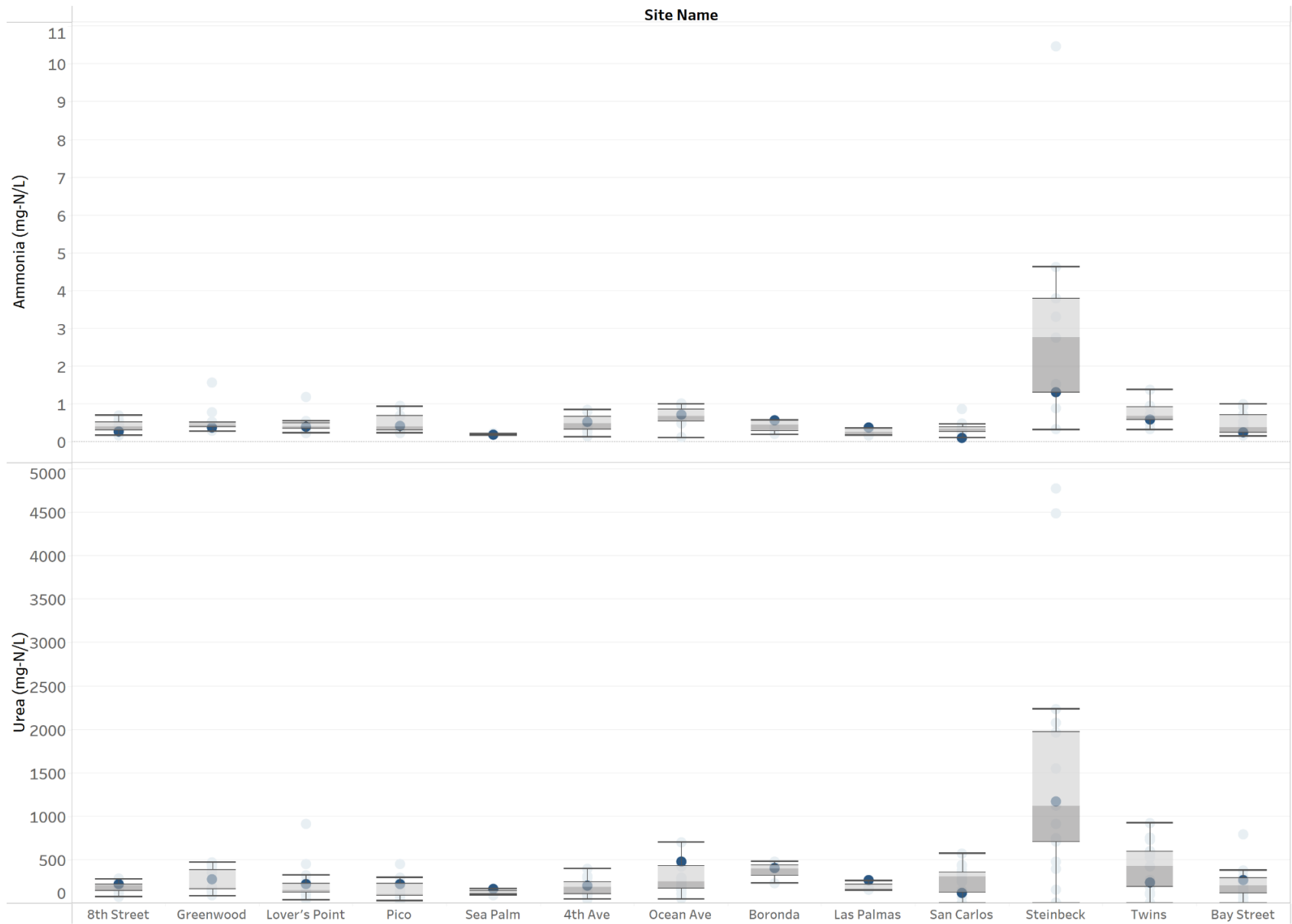
**Figure 6.** 2000- 2023 Dry Run MRSWMP nitrate as N and orthophosphate as P results. Highlighted points are from 2022. The WQO is indicated by the dotted line. This is the first year that Bay Street has been flowing/sampled on the Dry Run.



**Figure 7.** 2014- 2023 ammonia as N and 2006- 2023 urea as N Dry Run MRSWMP results. Highlighted points are from 2022. There is no WQO indicated for urea and the WQO for ammonia is 50 mg-N/L. This is much higher than all results depicted, so the line was left out. This is the first year that Bay Street has been flowing/sampled on the Dry Run.



**Figure 8.** 2000- 2023 First Flush MRSWMP nitrate as N and orthophosphate as P results. The WQO is indicated by the dotted line. Highlighted points are from 2022.



**Figure 9.** 2014- 2023 ammonia as N and 2006- 2023 urea as N First Flush MRSWMP results. Highlighted points are from 2022. There is no WQO indicated for urea and the WQO for ammonia is 50 mg-N/L. This is much higher than all results depicted, so the line was left out.



## **Metals**

Metals in higher concentrations can be toxic to marine organisms and can cause reduced reproduction, developmental deformities, reduced photosynthesis, and mortality. Heavy metal toxicity can be mitigated by the presence of sediment or other binding compounds that may reduce the metal's bioavailability. For this monitoring, the focus is on copper, lead, and zinc.

**Copper** is present in some brake pads, pesticides, wood preservatives, roofing materials, and architectural structures such as gutters and downspouts.

The Basin Plan WQO established for total copper is 30 µg/L; the MDL for copper was 7 µg/L for Dry Run and First Flush. **Figure 10** represents the Dry Run and **Figure 11** represents the First Flush data for all MRSWMP copper, lead, and zinc results since 2000. All outfall results are listed in **Appendix 2**.

- **Dry Run:** For 2022, no sites exceeded the WQO.
- **First Flush:** Results from eight of the 13 outfall sites monitored (62%) exceeded the WQO in 2022. The highest average result of 103 µg/L was from Ocean Avenue in Carmel.

**Lead** is present in some types of paint, water distribution systems, auto emissions, and can also be passed through the food web via uptake by plants that are grown in lead contaminated soils.

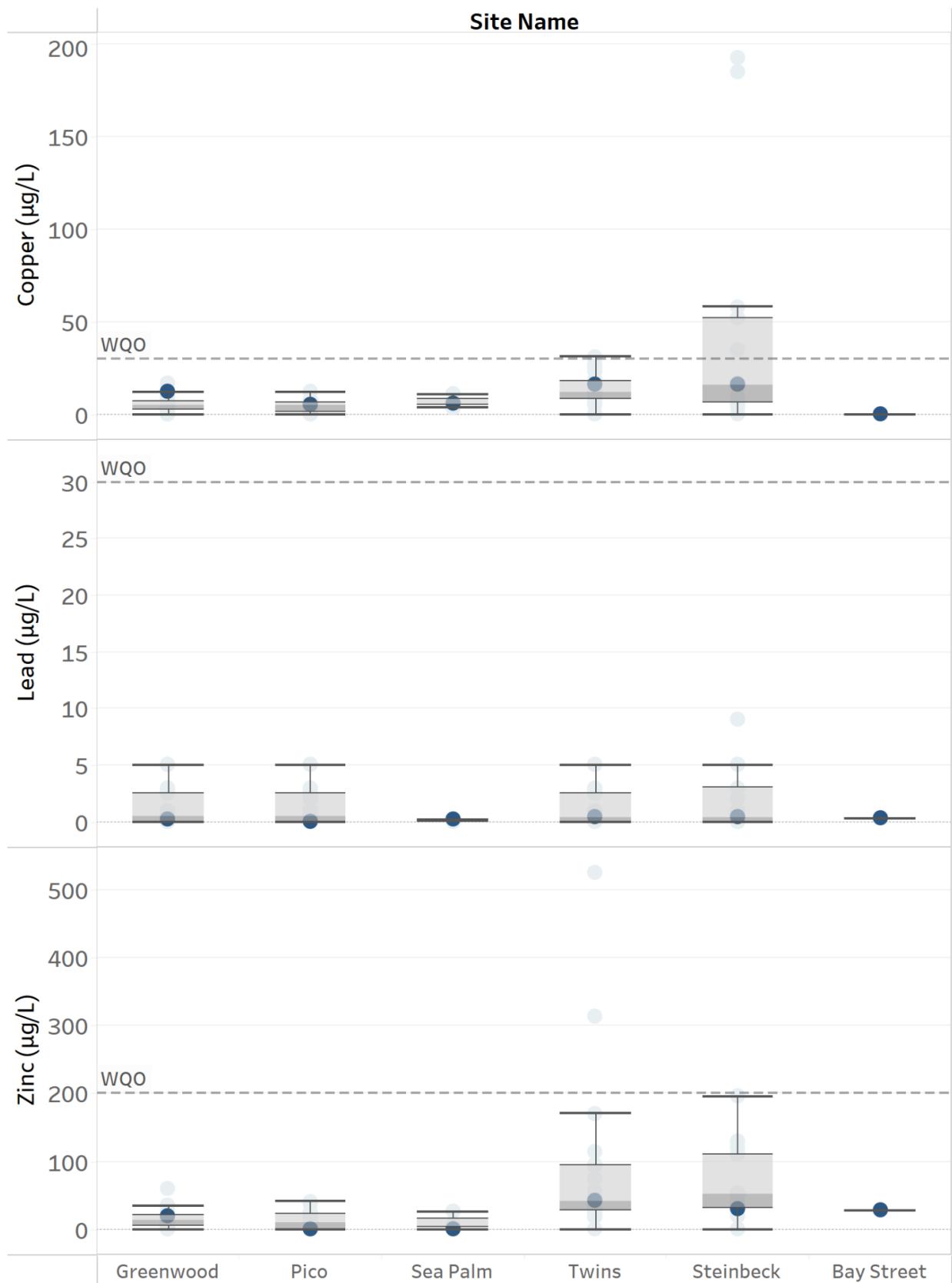
The Basin Plan WQO established for total lead is 30 µg/L; the MDL for lead was 0.1 µg/L for both the Dry Run and First Flush.

- **Dry Run:** None of the outfall sites exceeded the WQO in 2022. One non-detect was reported at Pico in Pacific Grove.
- **First Flush:** None of the outfall sites exceeded the WQO in 2022. One non-detect was reported at Ocean Avenue in Carmel.

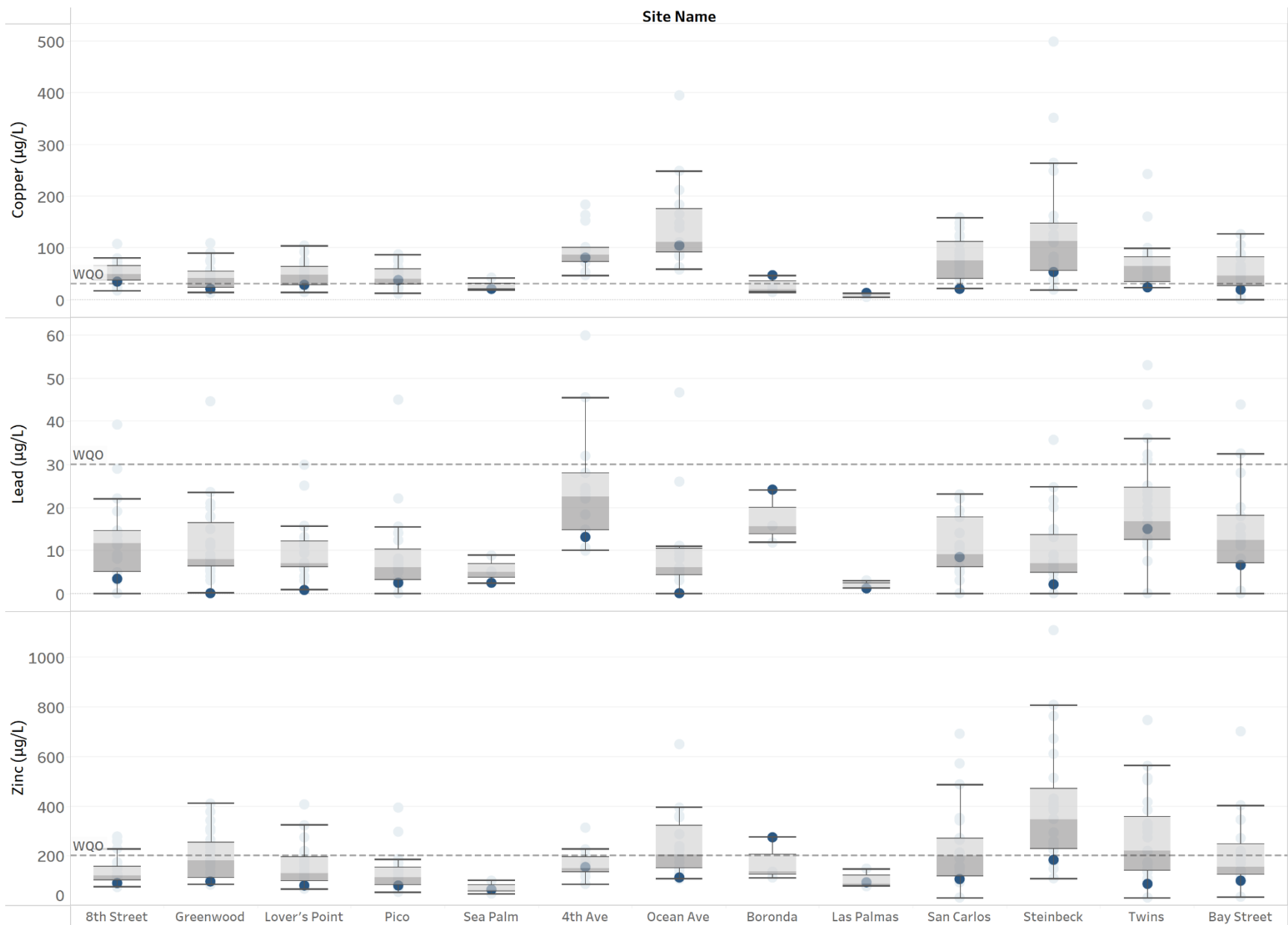
**Zinc** is present in tires, paint, and outdoor zinc surfaces such as galvanized surfaces.

The Basin Plan WQO for total zinc is 200 µg/L. The zinc MDL was 10 µg/L for the Dry Run and First Flush.

- **Dry Run:** None of the outfall sites exceeded the WQO in 2022. Two non-detects were reported at Sea Palm and Pico in Pacific Grove.
- **First Flush:** For 2022, one of the 13 sites exceeded the WQO at 278 µg/L at Boronda in Monterey County.



**Figure 10.** 2000- 2023 copper, lead, and zinc Dry Run MRSWMP results. Highlighted points are from 2022. WQO indicated by the dotted line. This is the first year that Bay Street has been flowing/sampled on the Dry Run.



**Figure 11.** 2000- 2023 copper, lead, and zinc First Flush MRSWMP results. Highlighted points are from 2022. The WQO is indicated by the dotted line.

## Clarity

**Color**, in conjunction with other analytes, can assist in identifying a discharge of sewage, wash water, as well as industrial or commercial liquid wastes. The SWRCB NPDES MS4 General Permit Action Level for color is 500 color units; the MDL for color was 3 and 6 color units for the Dry Run and between 3 and 300 color units for the First Flush. **Figure 12** represents Dry Run and **Figure 13** represents all First Flush MRSWMP color data since 2013. All outfall results are listed in **Appendix 2**.

- **Dry Run:** None of the outfall sites exceeded the Action Level in 2022.
- **First Flush:** One of the outfall sites exceeded the Action Level in 2022 at 725 color units at Boronda in Monterey County.

**Total suspended solids (TSS)** are measured because high amounts of sediment can destroy habitat, suffocate eggs in freshwater systems, limit the food supply, clog gills, or impair an organism's vision when feeding. While TSS measures the weight of the solids in the water that contribute to less water clarity, turbidity measures the transparency of water. Both are useful measurements for water clarity but have different methodologies for analysis.

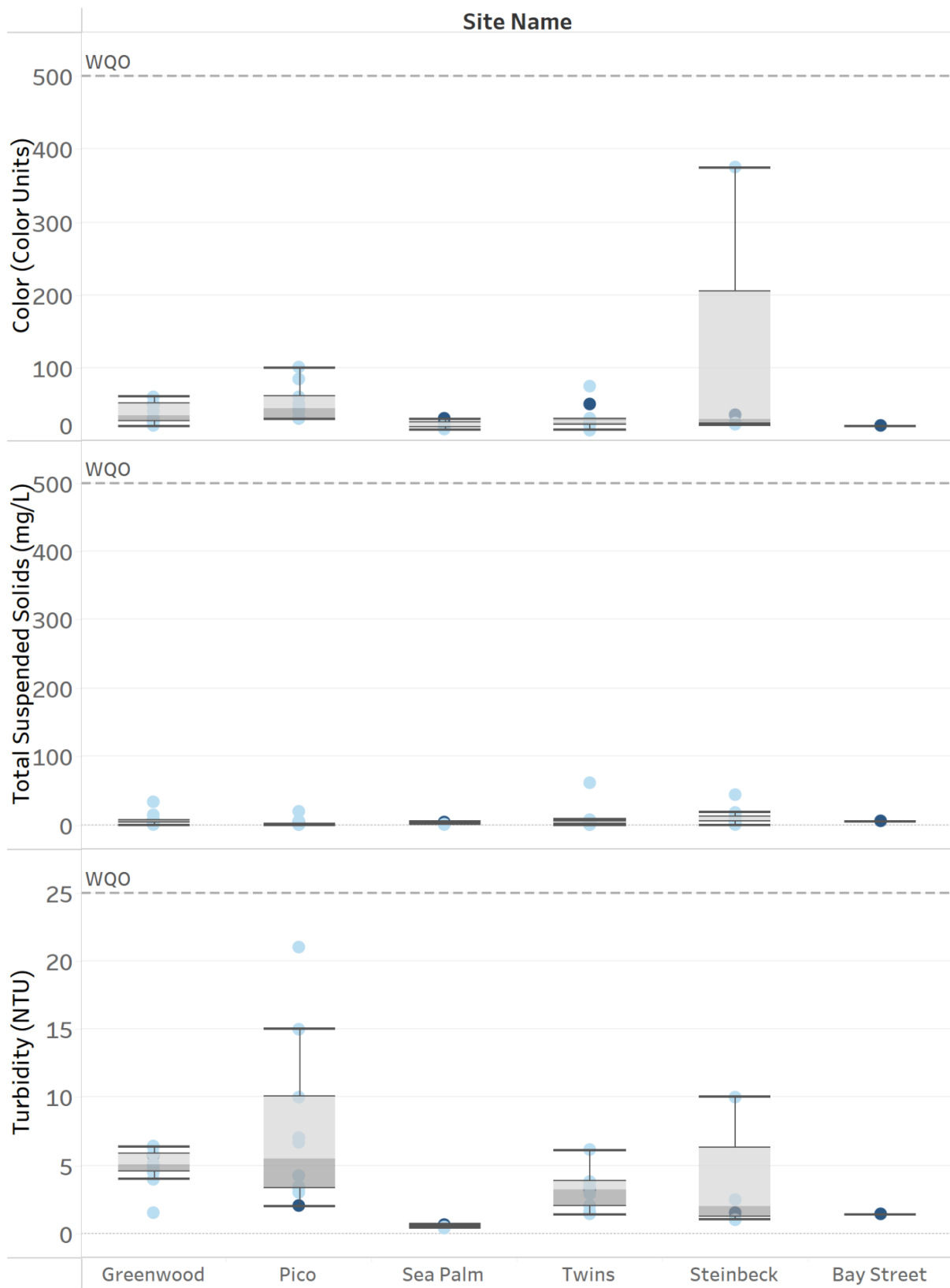
The CCAMP Action Level for TSS is 500 mg/L; the MDL was 2 mg/L for both the Dry Run and First Flush. **Figure 12** represents Dry Run and **Figure 13** represents all First Flush MRSWMP TSS data since 2004. All outfall results are listed in **Appendix 2**.

- **Dry Run:** No sites exceeded the Action Level in 2022. One non-detect was reported at Twins in Monterey.
- **First Flush:** One site of the thirteen monitored sites (8%) exceeded the Action Level in 2022. The Boronda site in Monterey County was the one exceedance at 1,131 mg/L.

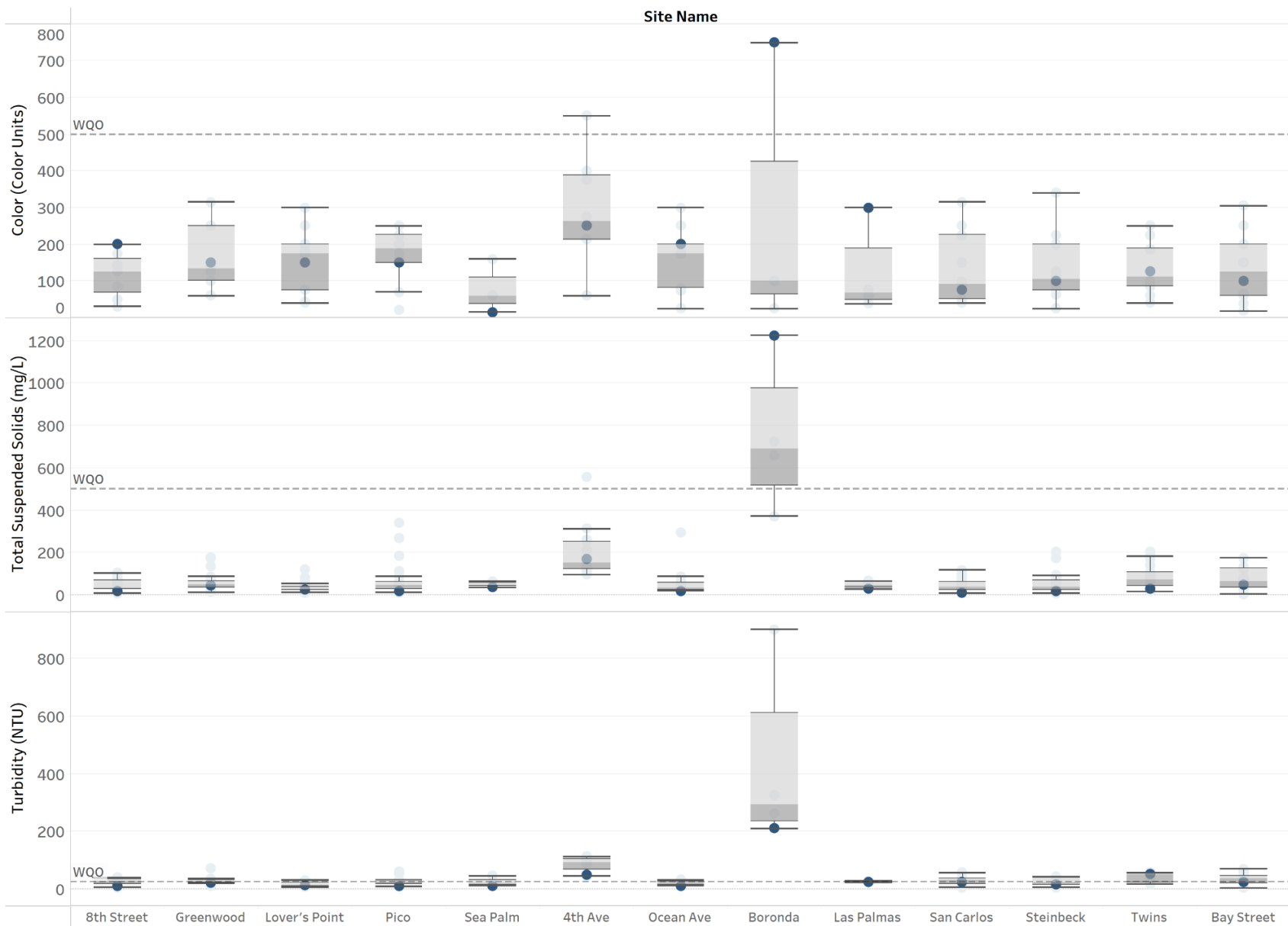
**Turbidity** measures the transparency of water while TSS measures the weight of the solids in the water that contribute to less transparency. Both are useful measurements for water clarity but have different methodologies for analysis.

The Action Level for turbidity provided by the State Board in the General Permit is not greater than 1000 NTU. As a comparison, CCAMP lists turbidity to be not greater than 25 NTU; the CCAMP Action Level will be used for this set of data as it is more protective of water quality. The MDL was 0.1 NTU for the Dry Run and between 0.1 and 1 NTU for the First Flush. **Figure 12** represents Dry Run and **Figure 13** represents all First Flush MRSWMP turbidity data since 2013. All outfall results are listed in **Appendix 2**.

- **Dry Run:** No sites exceeded the Action Level in 2022.
- **First Flush:** Three of the thirteen monitored sites (23%) exceeded the Action Level in 2022. The highest average result of 200 NTU was from the Boronda site in Monterey County.



**Figure 12.** 2013- 2023 color and turbidity and 2004- 2023 total suspended solids Dry Run MRSWMP results. Highlighted points are from 2022. WQO indicated by the dotted line. This is the first year that Bay Street has been flowing/sampled on the Dry Run.



**Figure 13.** 2013- 2023 color and turbidity and 2004- 2023 total suspended solids First Flush MRSWMP results. Highlighted points are from 2022. WQO indicated by the dotted line.

## **Fecal Indicator Bacteria**

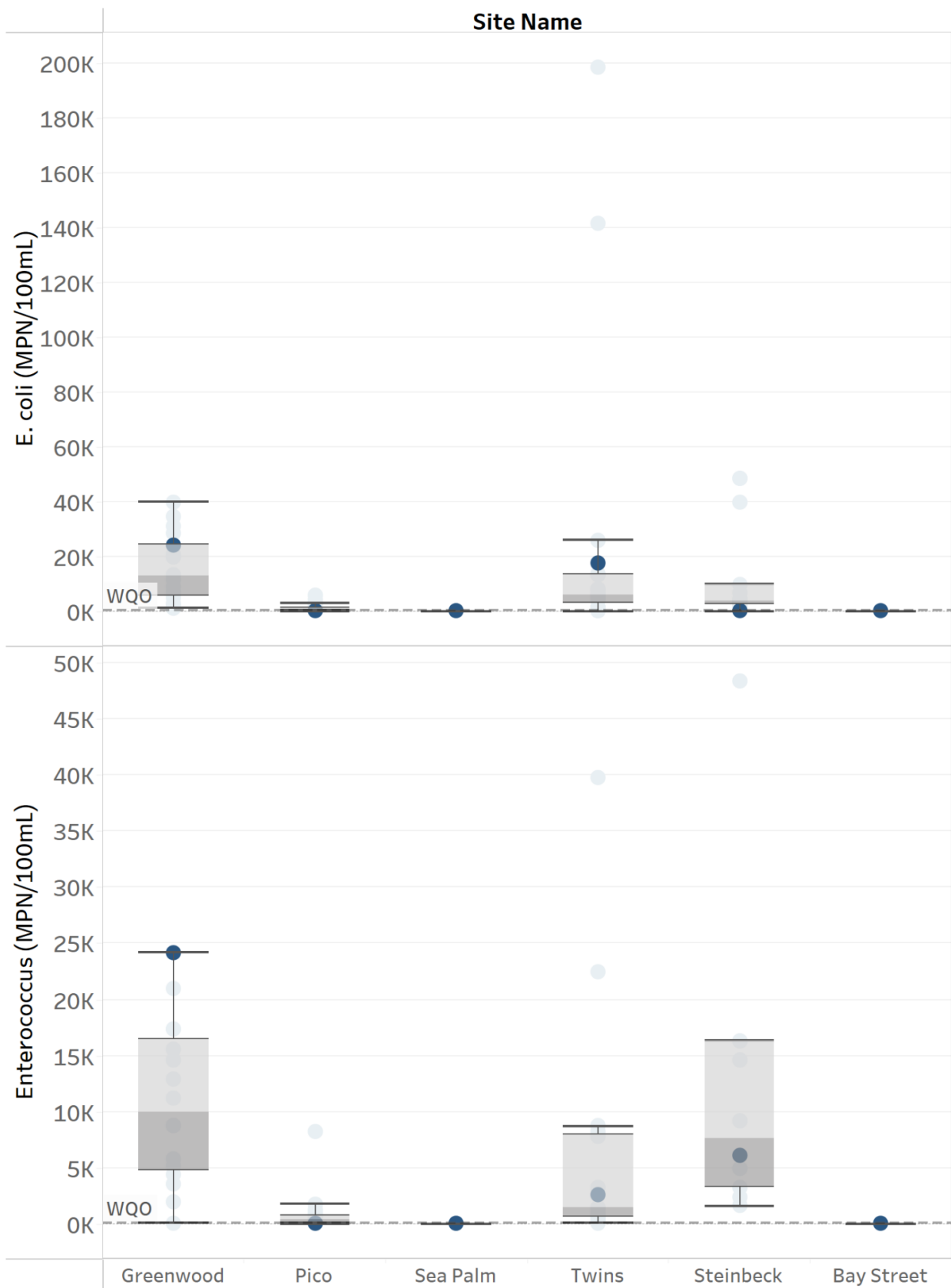
*Escherichia coli* (*E. coli*) and Enterococcus are both a type of indicator bacteria found in warm-blooded animals. While concentrations of generic *E. coli* and Enterococcus are not closely correlated with disease in humans, they are pollutants of concern because detection above the objective indicates the potential presence of pathogens that may cause disease in humans and wildlife.

The national recommended water quality criteria for *E. coli* is 235 MPN/100mL. The MDL for *E. coli* was 2 or 10 MPN/100mL for the Dry Run and between 2 and 100 MPN/100mL for the First Flush. **Figure 14** represents Dry Run and **Figure 15** represents all First Flush MRSWMP *E. coli* data since 2004. All outfall results are listed in **Appendix 2**.

- **Dry Run:** Two of the six (33%) outfall sites exceeded the WQO for *E. coli* in 2022. The highest *E. coli* result of 22,030 MPN/100mL was from Greenwood Park in Pacific Grove. This site is diverted to the sanitary sewer. Two sites were non-detects at Bay Street in Seaside and Sea Palm in Pacific Grove.
- **First Flush:** All of the outfall sites exceeded the WQO in 2022. The highest average result of 164,300 MPN/100mL was from Greenwood Park in Pacific Grove.

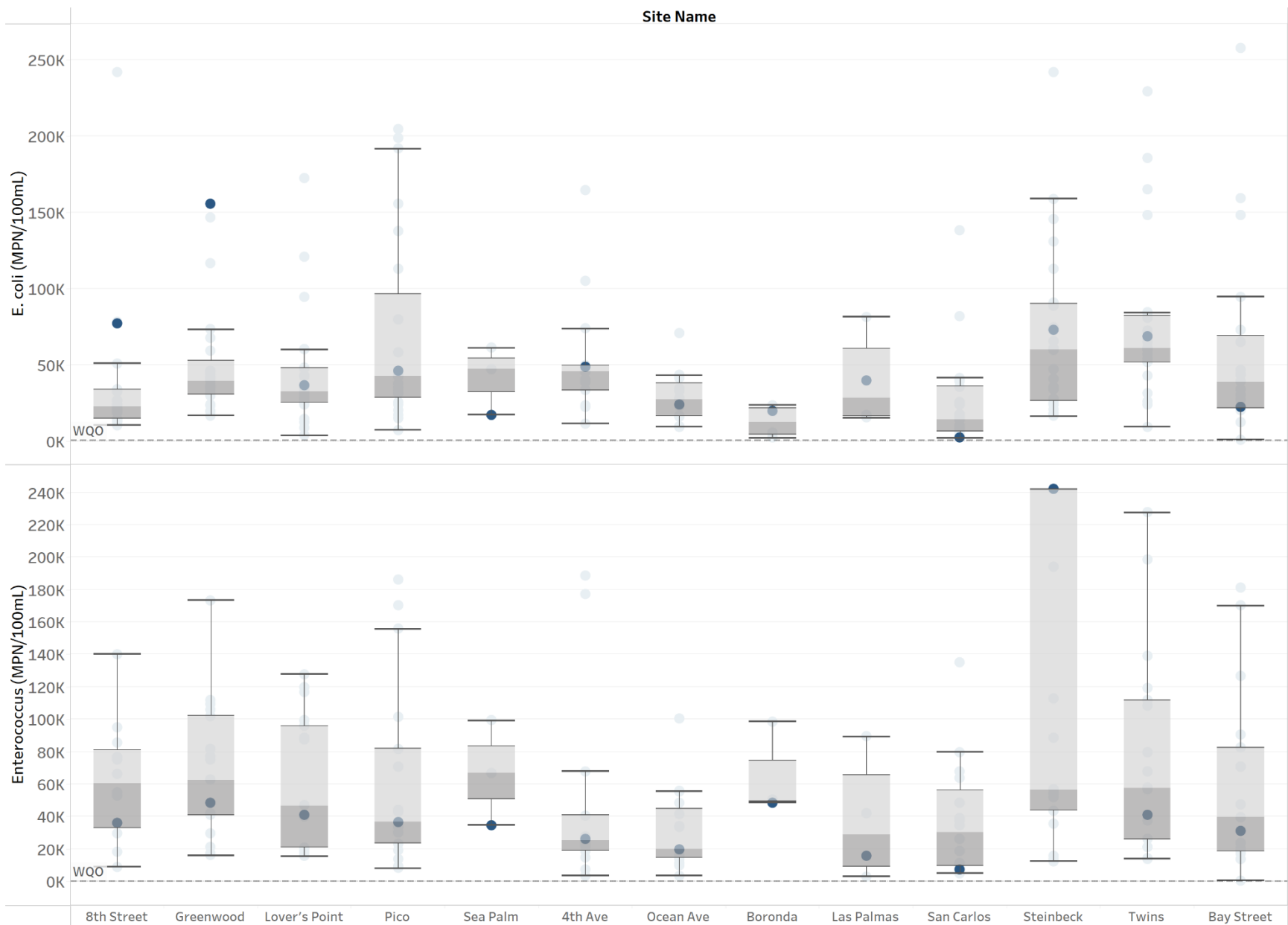
The nationally recommended water quality criteria for Enterococcus is 104 MPN/100mL. The MDL for Enterococcus was 2 or 10 MPN/100mL for the Dry Run and between 2 and 100 MPN/100mL for the First Flush. **Figure 14** represents Dry Run and **Figure 15** represents all First Flush MRSWMP Enterococcus data since 2007. All outfall results are listed in **Appendix 2**.

- **Dry Run:** three of the six (50%) outfall sites monitored exceeded the WQO for Enterococcus in 2022. The highest enterococcus result of 24,196 MPN/100mL was from Greenwood Park in Pacific Grove. This site is diverted to the sanitary sewer downstream of the collection site.
- **First Flush:** All outfall sites monitored exceeded the WQO in 2022. The highest average result of 198,635 MPN/100mL was from Steinbeck in Monterey.



**Figure 14.** 2004- 2023 *E. coli* and 2007- 2023 Enterococcus Dry Run MRSWMP results. Highlighted points are from 2022. WQO indicated by the dotted line. This is the first year that Bay Street has been flowing/sampled on the Dry Run.





**Figure 15.** 2004- 2023 *E. coli* and 2007- 2023 Enterococcus First Flush MRSWMP results. Highlighted points are from 2022. WQO indicated by the dotted line.

## **Liquid Waste Identifiers**

**Hardness (as CaCO<sub>3</sub>)** in conjunction with other analytes, can assist in identifying a discharge of sewage, wash water, tap water, and industrial or commercial liquid wastes. Additionally, when hardness increases, the amount of dissolved metals biologically available to aquatic and marine life decreases resulting in a decrease in the toxicity of the metal.

The SWRCB NPDES MS4 General Permit Action Level for hardness is not less than or equal to 10 mg/L or greater than or equal to 2,000 mg/L; the MDL for hardness (as CaCO<sub>3</sub>) was 1 mg/L for the Dry Run and First Flush. **Figure 16** represents Dry Run and **Figure 17** represents all First Flush MRSWMP hardness, surfactants, and potassium data since 2013. All outfall results are listed in **Appendix 2**.

- **Dry Run and First Flush:** None of the outfall results exceeded the acceptable range in 2022.

**MBAS surfactants** in sample water can indicate a discharge from sewage or wash water, and in conjunction with other analytes, can assist in identifying a discharge of industrial or commercial liquid wastes.

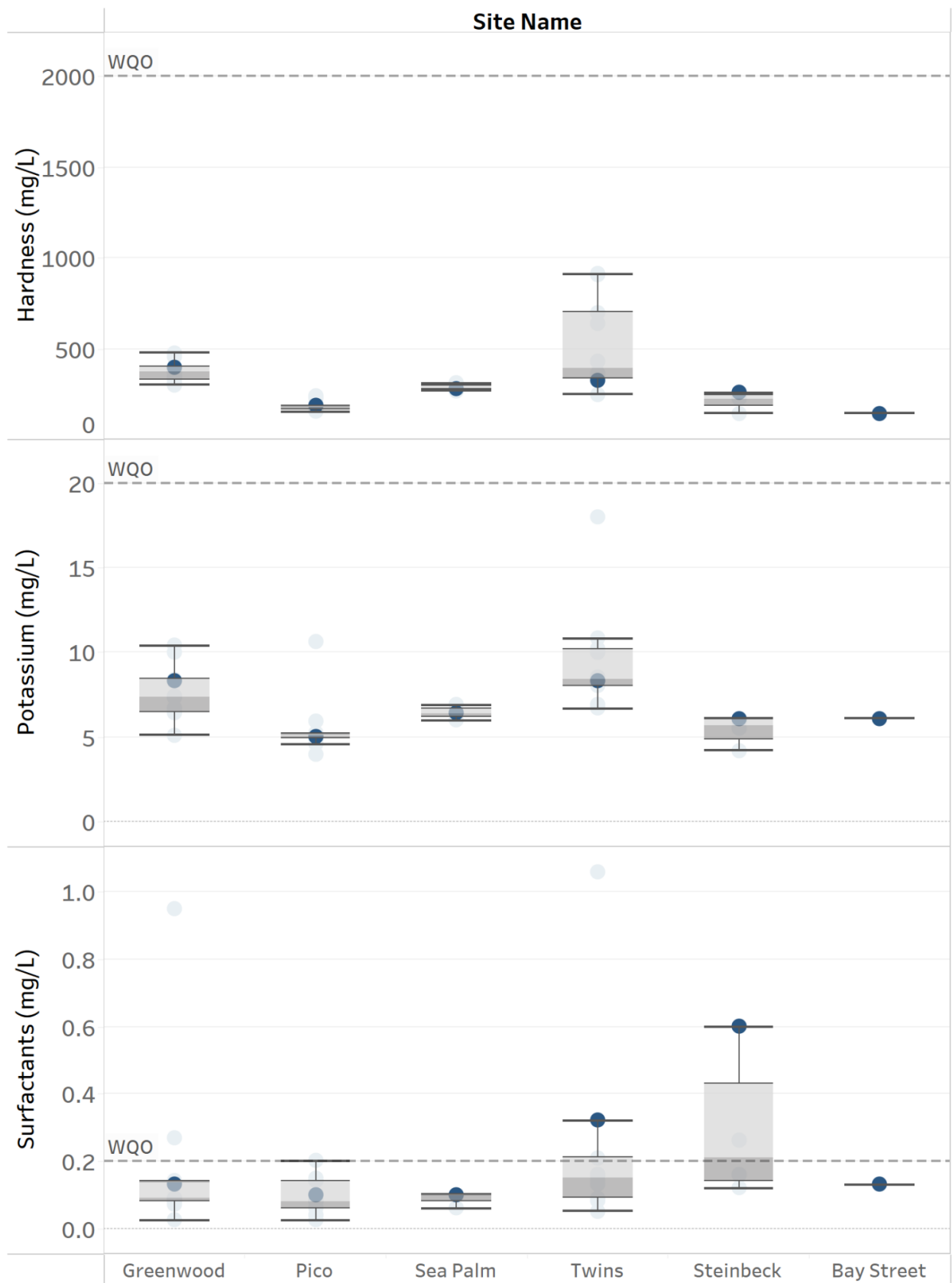
The Basin Plan's WQO established for MBAS surfactants is 0.2 mg/L; the MDL for MBAS surfactants was 0.02 mg/L for the Dry Run and between 0.02 mg/L to 0.4 mg/L for the First Flush.

- **Dry Run:** Two of the six (33%) sites were above the WQO for MBAS concentrations in 2022. The highest average result was at Steinbeck in Monterey at 0.63 mg/L.
- **First Flush:** All of the 13 sites were at or above the WQO. The highest average result of 1.76 mg/L was from Steinbeck in Monterey.

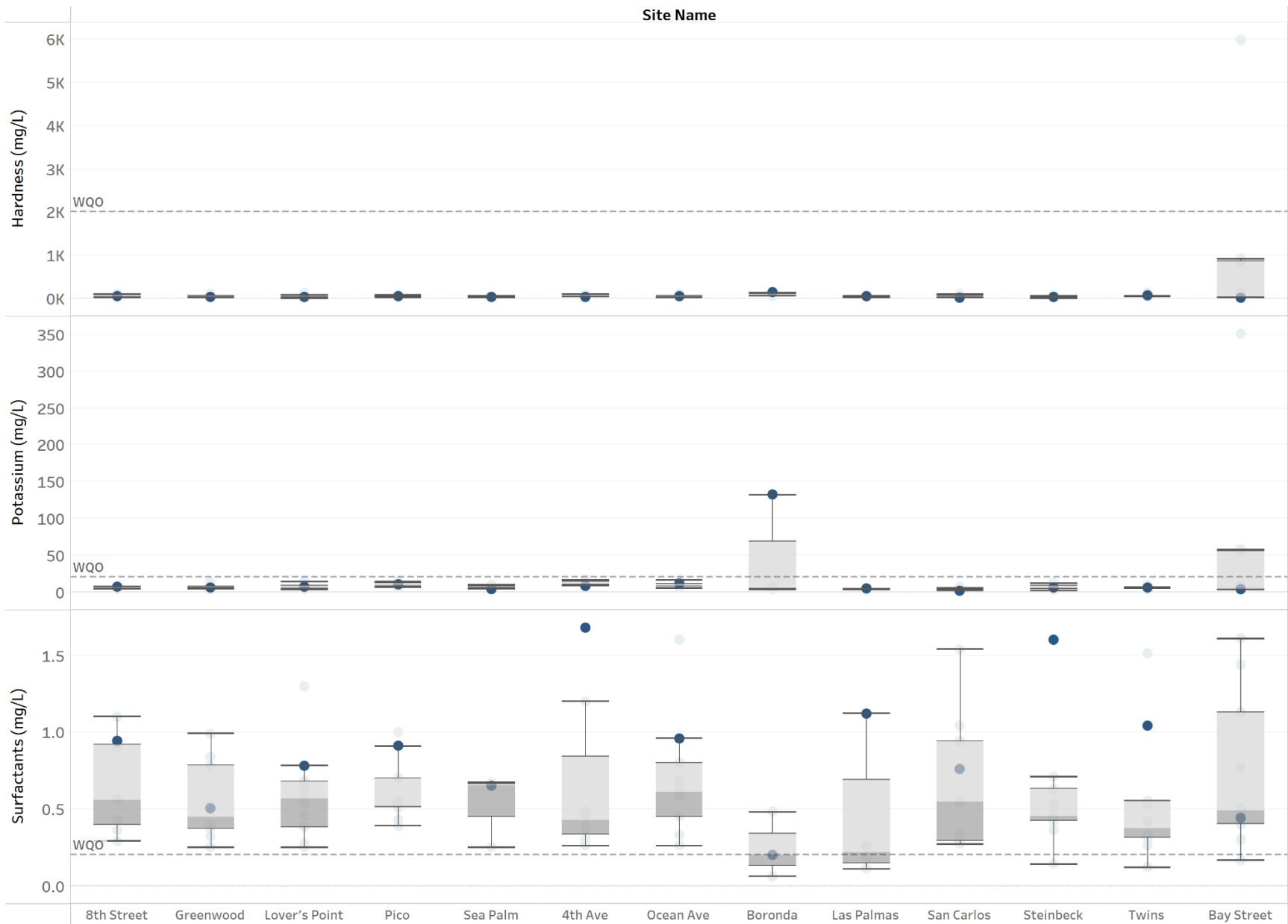
**Potassium**, in conjunction with other analytes, can assist in identifying a discharge of sewage, industrial, or commercial liquid wastes.

The SWRCB NPDES MS4 General Permit Action Level for potassium is 20 mg/L; the MDL was 0.3 mg/L for both the Dry Run and First Flush.

- **Dry Run:** No sites exceeded the Action Level in 2022.
- **First Flush:** One site of the thirteen sites (8%) exceeded the Action Level in 2022. The highest average result of 73.4 mg/L was from the Boronda site in Monterey County.



**Figure 16.** 2013- 2023 hardness, surfactants, and potassium Dry Run MRSWMP results. Highlighted points are from 2022. WQO indicated by the dotted line. This is the first year that Bay Street has been flowing/sampled on the Dry Run.



**Figure 17.** 2013- 2023 hardness, surfactants, and potassium First Flush MRSWMP results. Highlighted points are from 2022. WQO indicated by the dotted line.

## Results by Jurisdiction

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The following section is broken out by city or county for this permit year. All 2022 outfall results can be found in **Appendix 2** and by jurisdiction in **Appendix 3**.

### Carmel-by-the-Sea

For the 2022-2023 permit year, two sites were monitored in Carmel: 4<sup>th</sup> Avenue and Ocean Avenue. There was no flow at either of the sites for the Dry Run.

For the First Flush:

- Copper exceeded the Basin Plan WQO in all samples at both sites. The highest single sample copper result from all 2022 MRSWMP sampled sites of 104 µg/L was from Ocean Avenue. 4<sup>th</sup> Avenue was the second highest in copper concentration at 81 µg/L for the first time series.
- *E. coli* and Enterococcus results exceeded the U.S. EPA WQO in all samples at both sites.
- MBAS surfactant results exceeded the Basin Plan WQO in all samples at 4<sup>th</sup> Avenue and Ocean Avenue. 4<sup>th</sup> Avenue had the highest result of all sites at 1.68 mg/L for the first time series.
- Orthophosphate as P results exceeded the CCAMP Action Level in all samples at both sites.
- Turbidity results exceeded the CCAMP Action Level in all samples from 4<sup>th</sup> Avenue.
- Ammonia, color, hardness, lead, nitrate, potassium, total suspended solids, and zinc results were all below WQOs and Action Levels for both time series samples at both sites.

### Monterey

For the 2022-2023 permit year, three sites were monitored: Twins, San Carlos, and Steinbeck. Twins and Steinbeck had flowing water during the Dry Run. Twins outfall is owned by the U.S. Army Presidio of Monterey, and is utilized by both the City and Presidio of Monterey.

For the Dry Run:

- Twins exceeded the *E. coli* U.S. EPA WQO at a result of 17,329 MPN/100mL.
- Enterococcus results exceeded the U.S. EPA WQOs at both sites.
- Orthophosphate as P results exceeded the CCAMP Action Level with a result of 0.30 mg-P/L at Twins and 0.65 mg-P/L at Steinbeck.
- MBAS surfactants exceeded the WQO with a result of 0.32 mg/L at Twins and 0.63 mg/L at Steinbeck. Steinbeck had the highest result of any site monitored for the Dry Run.
- Ammonia, color, copper, hardness, lead, nitrate, potassium, total suspended solids, turbidity, and zinc results were below WQOs or Action Levels during the Dry Run.

During the First Flush:

- Copper exceeded the Basin Plan WQO in both time series from Steinbeck and the second time series from Twins.
- *E. coli* and Enterococcus exceeded the U.S. EPA WQO in all samples at all Monterey sites. The first time series from Steinbeck had the highest Enterococcus result at 241,960 MPN/100mL.
- MBAS surfactants exceeded the Basin Plan WQO in all samples at all Monterey sites. Steinbeck had the highest result of any site monitored at 1.92 mg/L from the second time series.

- Orthophosphate exceeded the CCAMP Action Level in all samples at all Monterey sites, except for the second time series at Twins which was ND. Steinbeck had the highest orthophosphate result at 1.07 mg-P/L for the first time series.
- Turbidity exceeded the CCAMP Action Level in all samples from Twins.
- Zinc exceeded the Basin Plan WQO from the second time series at Twins at 224 µg/L.
- Ammonia, color, hardness, lead, nitrate, potassium, and total suspended solids were all below WQOs and Action Levels for both time series samples at all sites.

### **Monterey County**

For the 2022-2023 permit year, two sites were monitored: Boronda and Las Palmas. There was no flow at either site during the Dry Run.

During the First Flush:

- *E. coli* and Enterococcus results exceeded the U.S. EPA WQO in all samples at both Monterey County sites.
- MBAS surfactants exceeded the Basin Plan WQO in all samples from Boronda and Las Palmas.
- Copper exceeded the Basin Plan WQO in both time series from Boronda.
- Zinc exceeded the Basin Plan WQO in both time series from Boronda. Boronda had the highest zinc result from the first time series at 281 µg/L and was the highest out of all sites.
- Orthophosphate results exceeded the CCAMP Action Level in all samples at both Monterey County sites.
- Total suspended solids results exceeded the CCAMP Action Level in both samples at Boronda and was the highest of all single samples with a result of 1,224 mg/L from the first time series.
- Turbidity results exceeded the CCAMP Action Level in both samples from Boronda which had the highest single sample result of all 2022-2023 MRSWMP samples with a result of 210 mg/L from the first time series.
- Color exceeded the SWRCB NPDES MS4 General Permit Action Level from both samples at Boronda and was the highest color result out of all 2022-2023 MRSWMP samples with a result of 750 from the first time series.
- Potassium exceeded SWRCB NPDES MS4 General Permit Action Level in the first time series at Boronda and had the highest potassium result at 132 mg/L of all sites.
- Ammonia, hardness, lead, and nitrate as N results did not exceed WQOs or Action Levels for any samples at either site during First Flush.

### **Pacific Grove**

For the 2022-2023 permit year, five sites were monitored: 8<sup>th</sup> Street, Greenwood Park, Lover's Point, Sea Palm, and Pico. Again in 2022 due to COVID, Hopkins Marine Station was closed to the public including First Flush volunteers so the two sites on campus historically monitored were not sampled and the site at Sea Palm was sampled instead. The 8<sup>th</sup> Street, Greenwood Park, Lover's Point, and Sea Palm watersheds have dry weather urban runoff diversions within the storm drain system that divert flow to Monterey One Water for treatment from April to October. In recent years, this dry-weather diversion has been left on throughout the winter season which eliminates storm drain runoff into the ocean within the diversion area. For the 2022 Dry Run and First Flush the diversion remained in operation. Dry Run samples were collected at the following sites: Greenwood Park (upstream of the

diversion), Sea Palm (upstream of the diversion area), and Pico (outside of the diversion area). For First Flush, all sites were sampled: 8<sup>th</sup> Street (downstream of diversion), Greenwood Park (upstream of the diversion), Lover's Point (upstream of the diversion), Sea Palm (upstream of the diversion area), and Pico (outside of the diversion area).

For the Dry Run:

- *E. coli* and Enterococcus were above the U.S. EPA WQO at Greenwood Park. The highest *E. coli* result for all 2022 MRSWMP Dry Run sites of 24,196 MPN/100mL was from Greenwood Park. The highest Enterococcus result was also from Greenwood Park at 24,196 MPN/100mL.
- Orthophosphate exceeded the CCAMP Action Level at Greenwood Park.
- Ammonia, color, copper, hardness, lead, MBAS surfactants, nitrate, potassium, total suspended solids, turbidity, and zinc were all below WQOs and Action Levels at all sites.

During the First Flush:

- *E. coli* results exceeded the U.S. EPA WQO in all samples at all sites. Greenwood Park had the highest *E. coli* result at 173,290 MPN/100mL from the second time series.
- Enterococcus results exceeded the U.S. EPA WQO in all samples at all sites.
- Copper results exceeded the Basin Plan WQO from both time series at 8th Street and Pico, and the second time series from Lover's Point.
- MBAS surfactant results exceeded the RWQCB Basin Plan WQO for all samples at all sites.
- Orthophosphate results exceeded the CCAMP Action Level in all samples at all sites.
- Ammonia, color, lead, nitrate, potassium, total suspended solids, turbidity, hardness, and zinc were all below WQOs and Action Levels for both time series samples at all sites.

### **Seaside and Sand City**

For the 2022-2023 permit year, Bay Street was the only site monitored. This year was the first time since Bay Street has been monitored that it was flowing during Dry Run.

For the Dry Run:

- Nitrate exceeded the CCAMP Action Level at Bay Street. Bay Street had the highest nitrate as N result out of all the samples collected during the 2022-2023 MRSWMP monitoring at 11.9 mg/L.
- Orthophosphate exceeded the CCAMP Action Level and was the highest result for Dry Run out of all sites at 0.64 mg-P/L.

During the First Flush:

- *E. coli* and Enterococcus exceeded the U.S. EPA WQO in both samples.
- MBAS surfactant results exceeded the RWQCB Basin Plan WQO in both samples.
- Orthophosphate exceeded the CCAMP Action Level in both samples.
- Turbidity results were equal to the CCAMP Action Level in the first time series at 25 NTU.
- Ammonia, color, copper, hardness, lead, nitrate, total suspended solids, potassium, and zinc results did not exceed any WQOs or Action Levels for any samples.

All 2022 outfall results can be found in **Appendix 2** and by jurisdiction in **Appendix 3**.

## Conclusion

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Since 2006, the MRSWMP Monterey SEA program has utilized MBNMS' Dry Run and First Flush protocols to ascertain what concentrations of pollutants are found in both dry and wet weather storm drain flows that discharge into surface waters or the ocean. The outfall sites monitored as part of the MRSWMP program were selected as sites representative of water quality throughout a jurisdiction. For the 2022-2023 permit year, thirteen outfall sites were monitored for Dry Run and First Flush in six jurisdictions: Monterey County, Seaside-Sand City, Monterey, Pacific Grove, and Carmel-by-the-Sea.

Outfall monitoring results provide city representatives and residents with information on the concentration of pollutants from their own streets and neighborhoods. Cities can use this information not only to satisfy permit requirements but also engage and inform residents on practical solutions for preventing water quality pollution in storm drains. While First Flush results due to higher loads typically indicate worst-case scenarios of water quality, results can provide insight into sub-watersheds within each jurisdiction that warrant further attention and investigation into pollutant sources. Source tracking within sub-watersheds is an important and useful tool for local jurisdictions. Using these results can help pinpoint problem watersheds to track down sources of pollutants before they reach receiving waters and Monterey Bay National Marine Sanctuary. Sub-watersheds with elevated orthophosphate, *E. coli*, Enterococcus, and surfactants are high on the list for watersheds needing further investigation into sources and possible mitigation through public education campaigns.

First Flush data is also useful for cities to track major storms and total rainfall impacted by climate change. Prior to 2016, First Flush generally occurred during the second half of October to the first half of November. Starting in 2017, each year was successively later for the First Flush, with 2020's First Flush occurring mid-December. However, this year's First Flush was the earliest on record occurring in mid-September. In the uncertain climate future, storms are predicted to become less frequent but stronger with heavier rainfall which may impact First Flush results as watersheds get a greater dousing that creates more flow through the storm drain system. Resident engagement will become essential in preparing for First Flush by removing outside oil or paint cans, trash, pet waste, or other debris that can get picked up by strong rainwater flows and enter the storm drain system and Monterey Bay National Marine Sanctuary.

Through coordinated and collaborative efforts, water quality within the MRSWMP region can improve for the benefit of residents on the land and in the ocean.



## Appendix 1: MRSWMP Monitoring Sites

### MRSWMP Monitoring Sites- listed from North to South

Jurisdiction	Site ID	Site Name	Drainage Area (acres)	Primary Land Use	MRSWMP Outfall #	Pipe ID (Inches)
Monterey County	SASD-01	Boronda	86	39% Residential 23% Cultivated 19% Industrial	MC-013	24"
Monterey County	SASD-02	Las Palmas	158	3% Commercial 31% Residential 60% Open space	MSP-025	Box culvert
Seaside & Sand City	SSD-02	Bay Street	1200	80% Residential 10% Commercial 10% Public/Other	SC-1	90
Monterey/U.S. Army Presidio of Monterey	MSD-03	Twins	291	63% Residential 15% Commercial 22% Public/Other	M-15	51" (x2)
Monterey	MSD-04	San Carlos	22	12% Commercial 38% Residential 50% Public/Other	M-7	24"
Monterey	MSD-05	Steinbeck	37	66% Commercial 12% Residential 22% Public/Other	M-3	36"
Pacific Grove	PGSD-01	8 <sup>th</sup> Street	35	100% Residential	PG-32	24"
Pacific Grove	CENTR-31	Greenwood Park	238.3	71% Residential 5% Commercial 25% Public/Other	PG-28	36"
Pacific Grove	PGSD-03	Lover's Point	240	54% Residential 1% Commercial 20% Other	PG-22	54"
Pacific Grove	PGSD-15	Sea Palm	32.2		PG-15	18"
Pacific Grove	PGSD-04	Pico	17.56	60% Residential 40% Public	PG-03	40"
Carmel-by-the-Sea	CASD-01	4 <sup>th</sup> Avenue	128.0	86% residential 7% Comm/Res 7% Public/Other	C-1	36"x60" Box culvert
Carmel-by-the-Sea	CASD-02	Ocean Avenue	115.2	22% Commercial 71% Residential 7% Comm/Res	C-2	24"

## Appendix 2: Results by Analyte (listed alphabetically)

Run	Date	Time	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05	Steinbeck	Ammonia	0.21	50	mg/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05 D	Steinbeck Duplicate	Ammonia	0.19	50	mg-N/L
Dry Run	9/16/2022	9:45	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Ammonia	0.67	50	mg/L
Dry Run	9/16/2022	12:13	Pacific Grove	309-CENTR- 31	Greenwood Park	Ammonia	0.14	50	mg-N/L
Dry Run	9/16/2022	11:58	Pacific Grove	309-CENTR- 31	Greenwood Park	Ammonia	0.14	50	mg/L
Dry Run	9/16/2022	11:00	Pacific Grove	309-PGSD-0 4	Pico	Ammonia	0.06	50	mg/L
Dry Run	9/16/2022	11:30	Pacific Grove	309-PGSD-1 5	Sea Palm	Ammonia	0.07	50	mg/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02	Bay Street	Ammonia	0.22	50	mg/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02F B	Bay Street Field Blank	Ammonia	0.06	50	mg-N/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05	Steinbeck	Color	35	500	Color Units
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05 D	Steinbeck Duplicate	Color	30	500	Color Units
Dry Run	9/16/2022	9:45	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Color	50	500	Color Units
Dry Run	9/16/2022	12:13	Pacific Grove	309-CENTR- 31	Greenwood Park	Color	50	500	Color Units
Dry Run	9/16/2022	11:58	Pacific Grove	309-CENTR- 31	Greenwood Park	Color	50	500	Color Units
Dry Run	9/16/2022	11:00	Pacific Grove	309-PGSD-0 4	Pico	Color	30	500	Color Units
Dry Run	9/16/2022	11:30	Pacific Grove	309-PGSD-1 5	Sea Palm	Color	30	500	Color Units
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02	Bay Street	Color	20	500	Color Units
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02F B	Bay Street Field Blank	Color	ND	500	Color Units
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05	Steinbeck	Copper	16	30	µg/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05 D	Steinbeck Duplicate	Copper	16	30	µg/L

Dry Run	9/16/2022	9:45	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Copper	16	30	µg/L
Dry Run	9/16/2022	12:13	Pacific Grove	309-CENTR-31	Greenwood Park	Copper	13	30	µg/L
Dry Run	9/16/2022	11:58	Pacific Grove	309-CENTR-31	Greenwood Park	Copper	12	30	µg/L
Dry Run	9/16/2022	11:00	Pacific Grove	309-PGSD-04	Pico	Copper	5.1	30	µg/L
Dry Run	9/16/2022	11:30	Pacific Grove	309-PGSD-15	Sea Palm	Copper	5.7	30	µg/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02	Bay Street	Copper	ND	30	µg/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02FB	Bay Street Field Blank	Copper	ND	30	µg/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05	Steinbeck	E. coli	10	235	MPN/100 mL
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05D	Steinbeck Duplicate	E. coli	74	235	MPN/100 mL
Dry Run	9/16/2022	9:45	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	E. coli	17329	235	MPN/100 mL
Dry Run	9/16/2022	12:13	Pacific Grove	309-CENTR-31	Greenwood Park	E. coli	19863	235	MPN/100 mL
Dry Run	9/16/2022	11:58	Pacific Grove	309-CENTR-31	Greenwood Park	E. coli	24196	235	MPN/100 mL
Dry Run	9/16/2022	11:00	Pacific Grove	309-PGSD-04	Pico	E. coli	187	235	MPN/100 mL
Dry Run	9/16/2022	11:30	Pacific Grove	309-PGSD-15	Sea Palm	E. coli	ND	235	MPN/100 mL
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02	Bay Street	E. coli	ND	235	MPN/100 mL
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02FB	Bay Street Field Blank	E. coli	<2	235	MPN/100 mL
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05	Steinbeck	Enterococcus	6131	104	MPN/100 mL
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05D	Steinbeck Duplicate	Enterococcus	6867	104	MPN/100 mL
Dry Run	9/16/2022	9:45	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Enterococcus	2595	104	MPN/100 mL
Dry Run	9/16/2022	12:13	Pacific Grove	309-CENTR-31	Greenwood Park	Enterococcus	24196	104	MPN/100 mL

Dry Run	9/16/2022	11:58	Pacific Grove	309-CENTR-31	Greenwood Park	Enterococcus	24196	104	MPN/100 mL
Dry Run	9/16/2022	11:00	Pacific Grove	309-PGSD-04	Pico	Enterococcus	10	104	MPN/100 mL
Dry Run	9/16/2022	11:30	Pacific Grove	309-PGSD-15	Sea Palm	Enterococcus	ND	104	MPN/100 mL
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02	Bay Street	Enterococcus	ND	104	MPN/100 mL
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02FB	Bay Street Field Blank	Enterococcus	<2	104	MPN/100 mL
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05	Steinbeck	Hardness	257	2000	mg/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05D	Steinbeck Duplicate	Hardness	248	2000	mg/L
Dry Run	9/16/2022	9:45	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Hardness	321	2000	mg/L
Dry Run	9/16/2022	12:13	Pacific Grove	309-CENTR-31	Greenwood Park	Hardness	415	2000	mg/L
Dry Run	9/16/2022	11:58	Pacific Grove	309-CENTR-31	Greenwood Park	Hardness	397	2000	mg/L
Dry Run	9/16/2022	11:00	Pacific Grove	309-PGSD-04	Pico	Hardness	184	2000	mg/L
Dry Run	9/16/2022	11:30	Pacific Grove	309-PGSD-15	Sea Palm	Hardness	280	2000	mg/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02	Bay Street	Hardness	141	2000	mg/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02FB	Bay Street Field Blank	Hardness	ND	2000	mg/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05	Steinbeck	Lead	0.4	30	µg/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05D	Steinbeck Duplicate	Lead	0.4	30	µg/L
Dry Run	9/16/2022	9:45	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Lead	0.4	30	µg/L
Dry Run	9/16/2022	12:13	Pacific Grove	309-CENTR-31	Greenwood Park	Lead	0.2	30	µg/L
Dry Run	9/16/2022	11:58	Pacific Grove	309-CENTR-31	Greenwood Park	Lead	0.2	30	µg/L
Dry Run	9/16/2022	11:00	Pacific Grove	309-PGSD-04	Pico	Lead	ND	30	µg/L
Dry Run	9/16/2022	11:30	Pacific Grove	309-PGSD-15	Sea Palm	Lead	0.2	30	µg/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02	Bay Street	Lead	0.3	30	µg/L

Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02F B	Bay Street Field Blank	Lead	ND	30	µg/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05	Steinbeck	Nitrate	1.1	2.25	mg-N/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05 D	Steinbeck Duplicate	Nitrate	1.1	2.25	mg-N/L
Dry Run	9/16/2022	9:45	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Nitrate	0.5	2.25	mg-N/L
Dry Run	9/16/2022	12:13	Pacific Grove	309-CENTR-31	Greenwood Park	Nitrate	1.1	2.25	mg-N/L
Dry Run	9/16/2022	11:58	Pacific Grove	309-CENTR-31	Greenwood Park	Nitrate	1.1	2.25	mg-N/L
Dry Run	9/16/2022	11:00	Pacific Grove	309-PGSD-04	Pico	Nitrate	1.3	2.25	mg-N/L
Dry Run	9/16/2022	11:30	Pacific Grove	309-PGSD-15	Sea Palm	Nitrate	0.3	2.25	mg-N/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02	Bay Street	Nitrate	11.9	2.25	mg-N/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02F B	Bay Street Field Blank	Nitrate	ND	2.25	mg-N/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05	Steinbeck	Orthophosphate	0.61	0.12	mg-P/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05 D	Steinbeck Duplicate	Orthophosphate	0.68	0.12	mg-P/L
Dry Run	9/16/2022	9:45	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Orthophosphate	0.3	0.12	mg-P/L
Dry Run	9/16/2022	12:13	Pacific Grove	309-CENTR-31	Greenwood Park	Orthophosphate	0.14	0.12	mg-P/L
Dry Run	9/16/2022	11:58	Pacific Grove	309-CENTR-31	Greenwood Park	Orthophosphate	0.14	0.12	mg-P/L
Dry Run	9/16/2022	11:00	Pacific Grove	309-PGSD-04	Pico	Orthophosphate	ND	0.12	mg-P/L
Dry Run	9/16/2022	11:30	Pacific Grove	309-PGSD-15	Sea Palm	Orthophosphate	ND	0.12	mg-P/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02	Bay Street	Orthophosphate	0.64	0.12	mg-P/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02F B	Bay Street Field Blank	Orthophosphate	ND	0.12	mg-P/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05	Steinbeck	Potassium	6.1	20	mg/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05 D	Steinbeck Duplicate	Potassium	6.1	20	mg/L

Dry Run	9/16/2022	9:45	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Potassium	8.3	20	mg/L
Dry Run	9/16/2022	12:13	Pacific Grove	309-CENTR-31	Greenwood Park	Potassium	8.5	20	mg/L
Dry Run	9/16/2022	11:58	Pacific Grove	309-CENTR-31	Greenwood Park	Potassium	8.3	20	mg/L
Dry Run	9/16/2022	11:00	Pacific Grove	309-PGSD-04	Pico	Potassium	5	20	mg/L
Dry Run	9/16/2022	11:30	Pacific Grove	309-PGSD-15	Sea Palm	Potassium	6.4	20	mg/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02	Bay Street	Potassium	6.1	20	mg/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02FB	Bay Street Field Blank	Potassium	ND	20	mg/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05	Steinbeck	Surfactants	0.6	0.2	mg/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05D	Steinbeck Duplicate	Surfactants	0.66	0.2	mg/L
Dry Run	9/16/2022	9:45	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Surfactants	0.32	0.2	mg/L
Dry Run	9/16/2022	12:13	Pacific Grove	309-CENTR-31	Greenwood Park	Surfactants	0.14	0.2	mg/L
Dry Run	9/16/2022	11:58	Pacific Grove	309-CENTR-31	Greenwood Park	Surfactants	0.13	0.2	mg/L
Dry Run	9/16/2022	11:00	Pacific Grove	309-PGSD-04	Pico	Surfactants	0.1	0.2	mg/L
Dry Run	9/16/2022	11:30	Pacific Grove	309-PGSD-15	Sea Palm	Surfactants	0.1	0.2	mg/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02	Bay Street	Surfactants	0.13	0.2	mg/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02FB	Bay Street Field Blank	Surfactants	ND	0.2	mg/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05	Steinbeck	Total Suspended Solids	4	500	mg/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05D	Steinbeck Duplicate	Total Suspended Solids	3	500	mg/L
Dry Run	9/16/2022	9:45	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Total Suspended Solids	ND	500	mg/L
Dry Run	9/16/2022	12:13	Pacific Grove	309-CENTR-31	Greenwood Park	Total Suspended Solids	4	500	mg/L

Dry Run	9/16/2022	11:58	Pacific Grove	309-CENTR-31	Greenwood Park	Total Suspended Solids	4	500	mg/L
Dry Run	9/16/2022	11:00	Pacific Grove	309-PGSD-04	Pico	Total Suspended Solids	3	500	mg/L
Dry Run	9/16/2022	11:30	Pacific Grove	309-PGSD-15	Sea Palm	Total Suspended Solids	4	500	mg/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02	Bay Street	Total Suspended Solids	5	500	mg/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02FB	Bay Street Field Blank	Total Suspended Solids	ND	500	mg/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05	Steinbeck	Turbidity	1.5	25	NTU
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05D	Steinbeck Duplicate	Turbidity	1.4	25	NTU
Dry Run	9/16/2022	9:45	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Turbidity	3.2	25	NTU
Dry Run	9/16/2022	12:13	Pacific Grove	309-CENTR-31	Greenwood Park	Turbidity	6.4	25	NTU
Dry Run	9/16/2022	11:58	Pacific Grove	309-CENTR-31	Greenwood Park	Turbidity	5.7	25	NTU
Dry Run	9/16/2022	11:00	Pacific Grove	309-PGSD-04	Pico	Turbidity	2	25	NTU
Dry Run	9/16/2022	11:30	Pacific Grove	309-PGSD-15	Sea Palm	Turbidity	0.65	25	NTU
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02	Bay Street	Turbidity	1.4	25	NTU
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02FB	Bay Street Field Blank	Turbidity	ND	25	NTU
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05	Steinbeck	Urea	38	NA	mg-N/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05D	Steinbeck Duplicate	Urea	47	NA	mg-N/L
Dry Run	9/16/2022	9:45	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Urea	450	NA	mg-N/L
Dry Run	9/16/2022	12:13	Pacific Grove	309-CENTR-31	Greenwood Park	Urea	48	NA	mg-N/L
Dry Run	9/16/2022	11:58	Pacific Grove	309-CENTR-31	Greenwood Park	Urea	61	NA	mg-N/L
Dry Run	9/16/2022	11:00	Pacific Grove	309-PGSD-04	Pico	Urea	9	NA	mg-N/L

Dry Run	9/16/2022	11:30	Pacific Grove	309-PGSD-1 5	Sea Palm	Urea	16	NA	mg-N/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02	Bay Street	Urea	68	NA	mg-N/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02F B	Bay Street Field Blank	Urea	ND	NA	mg-N/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05	Steinbeck	Zinc	30	200	µg/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05 D	Steinbeck Duplicate	Zinc	31	200	µg/L
Dry Run	9/16/2022	9:45	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Zinc	42	200	µg/L
Dry Run	9/16/2022	12:13	Pacific Grove	309-CENTR- 31	Greenwood Park	Zinc	20	200	µg/L
Dry Run	9/16/2022	11:58	Pacific Grove	309-CENTR- 31	Greenwood Park	Zinc	20	200	µg/L
Dry Run	9/16/2022	11:00	Pacific Grove	309-PGSD-0 4	Pico	Zinc	ND	200	µg/L
Dry Run	9/16/2022	11:30	Pacific Grove	309-PGSD-1 5	Sea Palm	Zinc	ND	200	µg/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02	Bay Street	Zinc	28	200	µg/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02F B	Bay Street Field Blank	Zinc	ND	200	µg/L
First Flush	9/18/2022	22:57	Carmel-by-the-Se a	307-CASD-0 1	4th Avenue	Ammonia	0.41	50	mg/L
First Flush	9/18/2022	22:30	Carmel-by-the-Se a	307-CASD-0 1	4th Avenue	Ammonia	0.53	50	mg-N/L
First Flush	9/18/2022	22:30	Carmel-by-the-Se a	307-CASD-0 2	Ocean Avenue	Ammonia	0.73	50	mg/L
First Flush	9/18/2022	22:00	Carmel-by-the-Se a	307-CASD-0 2	Ocean Avenue	Ammonia	0.72	50	mg-N/L
First Flush	9/18/2022	23:45	Monterey	309-MSD-04	San Carlos	Ammonia	0.14	50	mg/L
First Flush	9/18/2022	23:01	Monterey	309-MSD-04	San Carlos	Ammonia	0.1	50	mg-N/L
First Flush	9/18/2022	22:32	Monterey	309-MSD-05	Steinbeck	Ammonia	1.22	50	mg/L
First Flush	9/18/2022	21:59	Monterey	309-MSD-05	Steinbeck	Ammonia	1.3	50	mg-N/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01	Boronda	Ammonia	0.53	50	mg/L
First Flush	11/1/2022	14:30	Monterey County	309-SASD-01	Boronda	Ammonia	0.57	50	mg-N/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01 FB	Boronda Field Blank	Ammonia	ND	50	mg/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02	Las Palmas	Ammonia	0.35	50	mg/L
First Flush	11/1/2022	15:40	Monterey County	309-SASD-02	Las Palmas	Ammonia	0.37	50	mg-N/L



First Flush	11/1/2022	16:10	Monterey County	309-SASD-02 D	Las Palmas Duplicate	Ammonia	0.35	50	mg/L
First Flush	9/18/2022	22:36	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Ammonia	0.19	50	mg/L
First Flush	9/18/2022	22:06	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Ammonia	0.58	50	mg-N/L
First Flush	9/18/2022	22:38	Pacific Grove	309-PGSD-0 1	8th Street	Ammonia	0.2	50	mg/L
First Flush	9/18/2022	22:18	Pacific Grove	309-PGSD-0 1	8th Street	Ammonia	0.26	50	mg-N/L
First Flush	9/19/2022	8:15	Pacific Grove	309-PGSD-0 1RW	8th Street Receiving Water	Ammonia	ND	50	mg/L
First Flush	9/18/2022	21:55	Pacific Grove	309-CENTR- 31	Greenwood Park	Ammonia	0.65	50	mg/L
First Flush	9/18/2022	21:25	Pacific Grove	309-CENTR- 31	Greenwood Park	Ammonia	0.38	50	mg-N/L
First Flush	9/18/2022	22:20	Pacific Grove	309-PGSD-0 3	Lover's Point	Ammonia	0.49	50	mg/L
First Flush	9/18/2022	21:50	Pacific Grove	309-PGSD-0 3	Lover's Point	Ammonia	0.4	50	mg-N/L
First Flush	9/18/2022	22:55	Pacific Grove	309-PGSD-0 4	Pico	Ammonia	0.33	50	mg/L
First Flush	9/18/2022	22:25	Pacific Grove	309-PGSD-0 4	Pico	Ammonia	0.42	50	mg-N/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-1 5	Sea Palm	Ammonia	0.25	50	mg/L
First Flush	9/18/2022	21:30	Pacific Grove	309-PGSD-1 5	Sea Palm	Ammonia	0.18	50	mg-N/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-1 5D	Sea Palm Duplicate	Ammonia	0.17	50	mg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-1 5FB	Sea Palm Field Blank	Ammonia	ND	50	mg/L
First Flush	9/19/2022	8:40	Pacific Grove	309-PGSD-1 5RW	Sea Palm Receiving Water	Ammonia	0.06	50	mg/L
First Flush	9/18/2022	23:54	Seaside/Sand City	309-SSD-02	Bay Street	Ammonia	0.33	50	mg/L
First Flush	9/18/2022	23:30	Seaside/Sand City	309-SSD-02	Bay Street	Ammonia	0.24	50	mg-N/L
First Flush	9/18/2022	22:57	Carmel-by-the-Se a	307-CASD-0 1	4th Avenue	Color	300	500	Color Units

First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Color	250	500	Color Units
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Color	150	500	Color Units
First Flush	9/18/2022	22:00	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Color	200	500	Color Units
First Flush	9/18/2022	23:45	Monterey	309-MSD-04	San Carlos	Color	75	500	Color Units
First Flush	9/18/2022	23:01	Monterey	309-MSD-04	San Carlos	Color	75	500	Color Units
First Flush	9/18/2022	22:32	Monterey	309-MSD-05	Steinbeck	Color	100	500	Color Units
First Flush	9/18/2022	21:59	Monterey	309-MSD-05	Steinbeck	Color	100	500	Color Units
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01	Boronda	Color	700	500	Color Units
First Flush	11/1/2022	14:30	Monterey County	309-SASD-01	Boronda	Color	750	500	Color Units
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01 FB	Boronda Field Blank	Color	ND	500	Color Units
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02	Las Palmas	Color	325	500	Color Units
First Flush	11/1/2022	15:40	Monterey County	309-SASD-02	Las Palmas	Color	300	500	Color Units
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02 D	Las Palmas Duplicate	Color	375	500	Color Units
First Flush	9/18/2022	22:36	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Color	75	500	Color Units
First Flush	9/18/2022	22:06	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Color	125	500	Color Units
First Flush	9/18/2022	22:38	Pacific Grove	309-PGSD-01	8th Street	Color	150	500	Color Units
First Flush	9/18/2022	22:18	Pacific Grove	309-PGSD-01	8th Street	Color	200	500	Color Units
First Flush	9/19/2022	8:15	Pacific Grove	309-PGSD-01 1RW	8th Street Receiving Water	Color	15	500	Color Units
First Flush	9/18/2022	21:55	Pacific Grove	309-CENTR-31	Greenwood Park	Color	150	500	Color Units
First Flush	9/18/2022	21:25	Pacific Grove	309-CENTR-31	Greenwood Park	Color	150	500	Color Units

First Flush	9/18/2022	22:20	Pacific Grove	309-PGSD-03	Lover's Point	Color	150	500	Color Units
First Flush	9/18/2022	21:50	Pacific Grove	309-PGSD-03	Lover's Point	Color	150	500	Color Units
First Flush	9/18/2022	22:55	Pacific Grove	309-PGSD-04	Pico	Color	150	500	Color Units
First Flush	9/18/2022	22:25	Pacific Grove	309-PGSD-04	Pico	Color	150	500	Color Units
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15	Sea Palm	Color	100	500	Color Units
First Flush	9/18/2022	21:30	Pacific Grove	309-PGSD-15	Sea Palm	Color	15	500	Color Units
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15D	Sea Palm Duplicate	Color	150	500	Color Units
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15FB	Sea Palm Field Blank	Color	ND	500	Color Units
First Flush	9/19/2022	8:40	Pacific Grove	309-PGSD-15RW	Sea Palm Receiving Water	Color	20	500	Color Units
First Flush	9/18/2022	23:54	Seaside/Sand City	309-SSD-02	Bay Street	Color	100	500	Color Units
First Flush	9/18/2022	23:30	Seaside/Sand City	309-SSD-02	Bay Street	Color	100	500	Color Units
First Flush	9/18/2022	22:57	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Copper	52	30	µg/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Copper	81	30	µg/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Copper	102	30	µg/L
First Flush	9/18/2022	22:00	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Copper	104	30	µg/L
First Flush	9/18/2022	23:45	Monterey	309-MSD-04	San Carlos	Copper	19.8	30	µg/L
First Flush	9/18/2022	23:01	Monterey	309-MSD-04	San Carlos	Copper	21	30	µg/L
First Flush	9/18/2022	22:32	Monterey	309-MSD-05	Steinbeck	Copper	49	30	µg/L
First Flush	9/18/2022	21:59	Monterey	309-MSD-05	Steinbeck	Copper	53	30	µg/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01	Boronda	Copper	49	30	µg/L
First Flush	11/1/2022	14:30	Monterey County	309-SASD-01	Boronda	Copper	46	30	µg/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01FB	Boronda Field Blank	Copper	ND	30	µg/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02	Las Palmas	Copper	10	30	µg/L
First Flush	11/1/2022	15:40	Monterey County	309-SASD-02	Las Palmas	Copper	12	30	µg/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02D	Las Palmas Duplicate	Copper	10	30	µg/L

First Flush	9/18/2022	22:36	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Copper	47	30	µg/L
First Flush	9/18/2022	22:06	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Copper	24	30	µg/L
First Flush	9/18/2022	22:38	Pacific Grove	309-PGSD-01	8th Street	Copper	39	30	µg/L
First Flush	9/18/2022	22:18	Pacific Grove	309-PGSD-01	8th Street	Copper	35	30	µg/L
First Flush	9/19/2022	8:15	Pacific Grove	309-PGSD-01RW	8th Street Receiving Water	Copper	ND	30	µg/L
First Flush	9/18/2022	21:55	Pacific Grove	309-CENTR-31	Greenwood Park	Copper	28	30	µg/L
First Flush	9/18/2022	21:25	Pacific Grove	309-CENTR-31	Greenwood Park	Copper	21	30	µg/L
First Flush	9/18/2022	22:20	Pacific Grove	309-PGSD-03	Lover's Point	Copper	36	30	µg/L
First Flush	9/18/2022	21:50	Pacific Grove	309-PGSD-03	Lover's Point	Copper	28	30	µg/L
First Flush	9/18/2022	22:55	Pacific Grove	309-PGSD-04	Pico	Copper	41	30	µg/L
First Flush	9/18/2022	22:25	Pacific Grove	309-PGSD-04	Pico	Copper	37	30	µg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15	Sea Palm	Copper	17	30	µg/L
First Flush	9/18/2022	21:30	Pacific Grove	309-PGSD-15	Sea Palm	Copper	20	30	µg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15D	Sea Palm Duplicate	Copper	15	30	µg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15FB	Sea Palm Field Blank	Copper	ND	30	µg/L
First Flush	9/19/2022	8:40	Pacific Grove	309-PGSD-15RW	Sea Palm Receiving Water	Copper	ND	30	µg/L
First Flush	9/18/2022	23:54	Seaside/Sand City	309-SSD-02	Bay Street	Copper	18	30	µg/L
First Flush	9/18/2022	23:30	Seaside/Sand City	309-SSD-02	Bay Street	Copper	19	30	µg/L
First Flush	9/18/2022	22:57	Carmel-by-the-Sea	307-CASD-01	4th Avenue	E. coli	43520	235	MPN/100 mL
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-01	4th Avenue	E. coli	48840	235	MPN/100 mL

First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	E. coli	20980	235	MPN/100 mL
First Flush	9/18/2022	22:00	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	E. coli	23820	235	MPN/100 mL
First Flush	9/18/2022	23:45	Monterey	309-MSD-04	San Carlos	E. coli	12230	235	MPN/100 mL
First Flush	9/18/2022	23:01	Monterey	309-MSD-04	San Carlos	E. coli	2212	235	MPN/100 mL
First Flush	9/18/2022	22:32	Monterey	309-MSD-05	Steinbeck	E. coli	21870	235	MPN/100 mL
First Flush	9/18/2022	21:59	Monterey	309-MSD-05	Steinbeck	E. coli	72700	235	MPN/100 mL
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01	Boronda	E. coli	48392	235	MPN/100 mL
First Flush	11/1/2022	14:30	Monterey County	309-SASD-01	Boronda	E. coli	19608	235	MPN/100 mL
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01 FB	Boronda Field Blank	E. coli	<2	235	MPN/100 mL
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02	Las Palmas	E. coli	17328	235	MPN/100 mL
First Flush	11/1/2022	15:40	Monterey County	309-SASD-02	Las Palmas	E. coli	39726	235	MPN/100 mL
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02 D	Las Palmas Duplicate	E. coli	16328	235	MPN/100 mL
First Flush	9/18/2022	22:36	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	E. coli	43520	235	MPN/100 mL
First Flush	9/18/2022	22:06	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	E. coli	68670	235	MPN/100 mL
First Flush	9/18/2022	22:38	Pacific Grove	309-PGSD-01	8th Street	E. coli	22470	235	MPN/100 mL
First Flush	9/18/2022	22:18	Pacific Grove	309-PGSD-01	8th Street	E. coli	77010	235	MPN/100 mL
First Flush	9/19/2022	8:15	Pacific Grove	309-PGSD-01RW	8th Street Receiving Water	E. coli	388	235	MPN/100 mL
First Flush	9/18/2022	21:55	Pacific Grove	309-CENTR-31	Greenwood Park	E. coli	173290	235	MPN/100 mL
First Flush	9/18/2022	21:25	Pacific Grove	309-CENTR-31	Greenwood Park	E. coli	155310	235	MPN/100 mL
First Flush	9/18/2022	22:20	Pacific Grove	309-PGSD-03	Lover's Point	E. coli	30760	235	MPN/100 mL

First Flush	9/18/2022	21:50	Pacific Grove	309-PGSD-03	Lover's Point	E. coli	36540	235	MPN/100 mL
First Flush	9/18/2022	22:55	Pacific Grove	309-PGSD-04	Pico	E. coli	36540	235	MPN/100 mL
First Flush	9/18/2022	22:25	Pacific Grove	309-PGSD-04	Pico	E. coli	46110	235	MPN/100 mL
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15	Sea Palm	E. coli	15650	235	MPN/100 mL
First Flush	9/18/2022	21:30	Pacific Grove	309-PGSD-15	Sea Palm	E. coli	17220	235	MPN/100 mL
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15D	Sea Palm Duplicate	E. coli	14500	235	MPN/100 mL
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15FB	Sea Palm Field Blank	E. coli	<2	235	MPN/100 mL
First Flush	9/19/2022	8:40	Pacific Grove	309-PGSD-15RW	Sea Palm Receiving Water	E. coli	1624	235	MPN/100 mL
First Flush	9/18/2022	23:54	Seaside/Sand City	309-SSD-02	Bay Street	E. coli	39726	235	MPN/100 mL
First Flush	9/18/2022	23:30	Seaside/Sand City	309-SSD-02	Bay Street	E. coli	22398	235	MPN/100 mL
First Flush	9/18/2022	22:57	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Enterococcus	22820	104	MPN/100 mL
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Enterococcus	26130	104	MPN/100 mL
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Enterococcus	20640	104	MPN/100 mL
First Flush	9/18/2022	22:00	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Enterococcus	19560	104	MPN/100 mL
First Flush	9/18/2022	23:45	Monterey	309-MSD-04	San Carlos	Enterococcus	18420	104	MPN/100 mL
First Flush	9/18/2022	23:01	Monterey	309-MSD-04	San Carlos	Enterococcus	7308	104	MPN/100 mL
First Flush	9/18/2022	22:32	Monterey	309-MSD-05	Steinbeck	Enterococcus	155310	104	MPN/100 mL
First Flush	9/18/2022	21:59	Monterey	309-MSD-05	Steinbeck	Enterococcus	241960	104	MPN/100 mL
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01	Boronda	Enterococcus	64880	104	MPN/100 mL
First Flush	11/1/2022	14:30	Monterey County	309-SASD-01	Boronda	Enterococcus	48392	104	MPN/100 mL
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01FB	Boronda Field Blank	Enterococcus	<2	104	MPN/100 mL

First Flush	11/1/2022	16:10	Monterey County	309-SASD-02	Las Palmas	Enterococcus	4718	104	MPN/100 mL
First Flush	11/1/2022	15:40	Monterey County	309-SASD-02	Las Palmas	Enterococcus	15402	104	MPN/100 mL
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02 D	Las Palmas Duplicate	Enterococcus	8212	104	MPN/100 mL
First Flush	9/18/2022	22:36	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Enterococcus	5730	104	MPN/100 mL
First Flush	9/18/2022	22:06	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Enterococcus	41060	104	MPN/100 mL
First Flush	9/18/2022	22:38	Pacific Grove	309-PGSD-0 1	8th Street	Enterococcus	41060	104	MPN/100 mL
First Flush	9/18/2022	22:18	Pacific Grove	309-PGSD-0 1	8th Street	Enterococcus	36090	104	MPN/100 mL
First Flush	9/19/2022	8:15	Pacific Grove	309-PGSD-0 1RW	8th Street Receiving Water	Enterococcus	1187	104	MPN/100 mL
First Flush	9/18/2022	21:55	Pacific Grove	309-CENTR- 31	Greenwood Park	Enterococcus	111990	104	MPN/100 mL
First Flush	9/18/2022	21:25	Pacific Grove	309-CENTR- 31	Greenwood Park	Enterococcus	48392	104	MPN/100 mL
First Flush	9/18/2022	22:20	Pacific Grove	309-PGSD-0 3	Lover's Point	Enterococcus	38730	104	MPN/100 mL
First Flush	9/18/2022	21:50	Pacific Grove	309-PGSD-0 3	Lover's Point	Enterococcus	41060	104	MPN/100 mL
First Flush	9/18/2022	22:55	Pacific Grove	309-PGSD-0 4	Pico	Enterococcus	23820	104	MPN/100 mL
First Flush	9/18/2022	22:25	Pacific Grove	309-PGSD-0 4	Pico	Enterococcus	36540	104	MPN/100 mL
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-1 5	Sea Palm	Enterococcus	34480	104	MPN/100 mL
First Flush	9/18/2022	21:30	Pacific Grove	309-PGSD-1 5	Sea Palm	Enterococcus	34480	104	MPN/100 mL
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-1 5D	Sea Palm Duplicate	Enterococcus	38730	104	MPN/100 mL
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-1 5FB	Sea Palm Field Blank	Enterococcus	<2	104	MPN/100 mL
First Flush	9/19/2022	8:40	Pacific Grove	309-PGSD-1 5RW	Sea Palm Receiving Water	Enterococcus	1014	104	MPN/100 mL
First Flush	9/18/2022	23:54	Seaside/Sand City	309-SSD-02	Bay Street	Enterococcus	34658	104	MPN/100 mL

First Flush	9/18/2022	23:30	Seaside/Sand City	309-SSD-02	Bay Street	Enterococcus	31062	104	MPN/100 mL
First Flush	9/18/2022	22:57	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Hardness	551	2000	mg/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Hardness	38	2000	mg/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Hardness	38	2000	mg/L
First Flush	9/18/2022	22:00	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Hardness	56	2000	mg/L
First Flush	9/18/2022	23:45	Monterey	309-MSD-04	San Carlos	Hardness	44	2000	mg/L
First Flush	9/18/2022	23:01	Monterey	309-MSD-04	San Carlos	Hardness	22	2000	mg/L
First Flush	9/18/2022	22:32	Monterey	309-MSD-05	Steinbeck	Hardness	27	2000	mg/L
First Flush	9/18/2022	21:59	Monterey	309-MSD-05	Steinbeck	Hardness	36	2000	mg/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01	Boronda	Hardness	154	2000	mg/L
First Flush	11/1/2022	14:30	Monterey County	309-SASD-01	Boronda	Hardness	138	2000	mg/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01 FB	Boronda Field Blank	Hardness	ND	2000	mg/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02	Las Palmas	Hardness	58	2000	mg/L
First Flush	11/1/2022	15:40	Monterey County	309-SASD-02	Las Palmas	Hardness	59	2000	mg/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02 D	Las Palmas Duplicate	Hardness	58	2000	mg/L
First Flush	9/18/2022	22:36	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Hardness	36	2000	mg/L
First Flush	9/18/2022	22:06	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Hardness	64	2000	mg/L
First Flush	9/18/2022	22:38	Pacific Grove	309-PGSD-01	8th Street	Hardness	45	2000	mg/L
First Flush	9/18/2022	22:18	Pacific Grove	309-PGSD-01	8th Street	Hardness	58	2000	mg/L
First Flush	9/19/2022	8:15	Pacific Grove	309-PGSD-01 RW	8th Street Receiving Water	Hardness	564	2000	mg/L
First Flush	9/18/2022	21:55	Pacific Grove	309-CENTR-31	Greenwood Park	Hardness	38	2000	mg/L
First Flush	9/18/2022	21:25	Pacific Grove	309-CENTR-31	Greenwood Park	Hardness	25	2000	mg/L
First Flush	9/18/2022	22:20	Pacific Grove	309-PGSD-03	Lover's Point	Hardness	51	2000	mg/L
First Flush	9/18/2022	21:50	Pacific Grove	309-PGSD-03	Lover's Point	Hardness	36	2000	mg/L



First Flush	9/18/2022	22:55	Pacific Grove	309-PGSD-04	Pico	Hardness	60	2000	mg/L
First Flush	9/18/2022	22:25	Pacific Grove	309-PGSD-04	Pico	Hardness	53	2000	mg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15	Sea Palm	Hardness	50	2000	mg/L
First Flush	9/18/2022	21:30	Pacific Grove	309-PGSD-15	Sea Palm	Hardness	28	2000	mg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15D	Sea Palm Duplicate	Hardness	48	2000	mg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15FB	Sea Palm Field Blank	Hardness	ND	2000	mg/L
First Flush	9/19/2022	8:40	Pacific Grove	309-PGSD-15RW	Sea Palm Receiving Water	Hardness	590	2000	mg/L
First Flush	9/18/2022	23:54	Seaside/Sand City	309-SSD-02	Bay Street	Hardness	25	2000	mg/L
First Flush	9/18/2022	23:30	Seaside/Sand City	309-SSD-02	Bay Street	Hardness	19	2000	mg/L
First Flush	9/18/2022	22:57	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Lead	7.8	30	µg/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Lead	13	30	µg/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Lead	3.4	30	µg/L
First Flush	9/18/2022	22:00	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Lead	ND	30	µg/L
First Flush	9/18/2022	23:45	Monterey	309-MSD-04	San Carlos	Lead	1.8	30	µg/L
First Flush	9/18/2022	23:01	Monterey	309-MSD-04	San Carlos	Lead	8.4	30	µg/L
First Flush	9/18/2022	22:32	Monterey	309-MSD-05	Steinbeck	Lead	2.3	30	µg/L
First Flush	9/18/2022	21:59	Monterey	309-MSD-05	Steinbeck	Lead	2	30	µg/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01	Boronda	Lead	24	30	µg/L
First Flush	11/1/2022	14:30	Monterey County	309-SASD-01	Boronda	Lead	24.1	30	µg/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01FB	Boronda Field Blank	Lead	ND	30	µg/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02	Las Palmas	Lead	0.8	30	µg/L
First Flush	11/1/2022	15:40	Monterey County	309-SASD-02	Las Palmas	Lead	1.2	30	µg/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02D	Las Palmas Duplicate	Lead	0.8	30	µg/L
First Flush	9/18/2022	22:36	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Lead	21.1	30	µg/L

First Flush	9/18/2022	22:06	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Lead	15	30	µg/L
First Flush	9/18/2022	22:38	Pacific Grove	309-PGSD-01	8th Street	Lead	9.6	30	µg/L
First Flush	9/18/2022	22:18	Pacific Grove	309-PGSD-01	8th Street	Lead	3.3	30	µg/L
First Flush	9/19/2022	8:15	Pacific Grove	309-PGSD-01RW	8th Street Receiving Water	Lead	0.1	30	µg/L
First Flush	9/18/2022	21:55	Pacific Grove	309-CENTR-31	Greenwood Park	Lead	3.3	30	µg/L
First Flush	9/18/2022	21:25	Pacific Grove	309-CENTR-31	Greenwood Park	Lead	0.1	30	µg/L
First Flush	9/18/2022	22:20	Pacific Grove	309-PGSD-03	Lover's Point	Lead	2.1	30	µg/L
First Flush	9/18/2022	21:50	Pacific Grove	309-PGSD-03	Lover's Point	Lead	0.8	30	µg/L
First Flush	9/18/2022	22:55	Pacific Grove	309-PGSD-04	Pico	Lead	1.9	30	µg/L
First Flush	9/18/2022	22:25	Pacific Grove	309-PGSD-04	Pico	Lead	2.4	30	µg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15	Sea Palm	Lead	0.9	30	µg/L
First Flush	9/18/2022	21:30	Pacific Grove	309-PGSD-15	Sea Palm	Lead	2.4	30	µg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15D	Sea Palm Duplicate	Lead	1.3	30	µg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15FB	Sea Palm Field Blank	Lead	ND	30	µg/L
First Flush	9/19/2022	8:40	Pacific Grove	309-PGSD-15RW	Sea Palm Receiving Water	Lead	0.6	30	µg/L
First Flush	9/18/2022	23:54	Seaside/Sand City	309-SSD-02	Bay Street	Lead	0.3	30	µg/L
First Flush	9/18/2022	23:30	Seaside/Sand City	309-SSD-02	Bay Street	Lead	6.6	30	µg/L
First Flush	9/18/2022	22:57	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Nitrate	0.2	2.25	mg-N/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Nitrate	0.39	2.25	mg-N/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Nitrate	0.4	2.25	mg-N/L
First Flush	9/18/2022	22:00	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Nitrate	0.39	2.25	mg-N/L

First Flush	9/18/2022	23:45	Monterey	309-MSD-04	San Carlos	Nitrate	0.1	2.25	mg-N/L
First Flush	9/18/2022	23:01	Monterey	309-MSD-04	San Carlos	Nitrate	0.7	2.25	mg-N/L
First Flush	9/18/2022	22:32	Monterey	309-MSD-05	Steinbeck	Nitrate	0.2	2.25	mg-N/L
First Flush	9/18/2022	21:59	Monterey	309-MSD-05	Steinbeck	Nitrate	0.6	2.25	mg-N/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01	Boronda	Nitrate	0.7	2.25	mg-N/L
First Flush	11/1/2022	14:30	Monterey County	309-SASD-01	Boronda	Nitrate	0.7	2.25	mg-N/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01 FB	Boronda Field Blank	Nitrate	ND	2.25	mg-N/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02	Las Palmas	Nitrate	0.5	2.25	mg-N/L
First Flush	11/1/2022	15:40	Monterey County	309-SASD-02	Las Palmas	Nitrate	0.5	2.25	mg-N/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02 D	Las Palmas Duplicate	Nitrate	0.5	2.25	mg-N/L
First Flush	9/18/2022	22:36	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Nitrate	0.2	2.25	mg-N/L
First Flush	9/18/2022	22:06	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Nitrate	0.36	2.25	mg-N/L
First Flush	9/18/2022	22:38	Pacific Grove	309-PGSD-0 1	8th Street	Nitrate	0.3	2.25	mg-N/L
First Flush	9/18/2022	22:18	Pacific Grove	309-PGSD-0 1	8th Street	Nitrate	0.5	2.25	mg-N/L
First Flush	9/19/2022	8:15	Pacific Grove	309-PGSD-0 1RW	8th Street Receiving Water	Nitrate	ND	2.25	mg-N/L
First Flush	9/18/2022	21:55	Pacific Grove	309-CENTR- 31	Greenwood Park	Nitrate	0.3	2.25	mg-N/L
First Flush	9/18/2022	21:25	Pacific Grove	309-CENTR- 31	Greenwood Park	Nitrate	0.2	2.25	mg-N/L
First Flush	9/18/2022	22:20	Pacific Grove	309-PGSD-0 3	Lover's Point	Nitrate	0.4	2.25	mg-N/L
First Flush	9/18/2022	21:50	Pacific Grove	309-PGSD-0 3	Lover's Point	Nitrate	0.3	2.25	mg-N/L
First Flush	9/18/2022	22:55	Pacific Grove	309-PGSD-0 4	Pico	Nitrate	0.3	2.25	mg-N/L
First Flush	9/18/2022	22:25	Pacific Grove	309-PGSD-0 4	Pico	Nitrate	0.3	2.25	mg-N/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-1 5	Sea Palm	Nitrate	0.6	2.25	mg-N/L
First Flush	9/18/2022	21:30	Pacific Grove	309-PGSD-1 5	Sea Palm	Nitrate	0.2	2.25	mg-N/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-1 5D	Sea Palm Duplicate	Nitrate	0.5	2.25	mg-N/L

First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-1 5FB	Sea Palm Field Blank	Nitrate	ND	2.25	mg-N/L
First Flush	9/19/2022	8:40	Pacific Grove	309-PGSD-1 5RW	Sea Palm Receiving Water	Nitrate	ND	2.25	mg-N/L
First Flush	9/18/2022	23:54	Seaside/Sand City	309-SSD-02	Bay Street	Nitrate	0.2	2.25	mg-N/L
First Flush	9/18/2022	23:30	Seaside/Sand City	309-SSD-02	Bay Street	Nitrate	0.3	2.25	mg-N/L
First Flush	9/18/2022	22:57	Carmel-by-the-Se a	307-CASD-0 1	4th Avenue	Orthophos phate	0.53	0.12	mg-P/L
First Flush	9/18/2022	22:30	Carmel-by-the-Se a	307-CASD-0 1	4th Avenue	Orthophos phate	0.77	0.12	mg-P/L
First Flush	9/18/2022	22:30	Carmel-by-the-Se a	307-CASD-0 2	Ocean Avenue	Orthophos phate	0.73	0.12	mg-P/L
First Flush	9/18/2022	22:00	Carmel-by-the-Se a	307-CASD-0 2	Ocean Avenue	Orthophos phate	0.7	0.12	mg-P/L
First Flush	9/18/2022	23:45	Monterey	309-MSD-04	San Carlos	Orthophos phate	ND	0.12	mg-P/L
First Flush	9/18/2022	23:01	Monterey	309-MSD-04	San Carlos	Orthophos phate	0.32	0.12	mg-P/L
First Flush	9/18/2022	22:32	Monterey	309-MSD-05	Steinbeck	Orthophos phate	0.75	0.12	mg-P/L
First Flush	9/18/2022	21:59	Monterey	309-MSD-05	Steinbeck	Orthophos phate	1.07	0.12	mg-P/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01	Boronda	Orthophos phate	0.42	0.12	mg-P/L
First Flush	11/1/2022	14:30	Monterey County	309-SASD-01	Boronda	Orthophos phate	0.45	0.12	mg-P/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01 FB	Boronda Field Blank	Orthophos phate	ND	0.12	mg-P/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02	Las Palmas	Orthophos phate	0.5	0.12	mg-P/L
First Flush	11/1/2022	15:40	Monterey County	309-SASD-02	Las Palmas	Orthophos phate	0.47	0.12	mg-P/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02 D	Las Palmas Duplicate	Orthophos phate	0.5	0.12	mg-P/L
First Flush	9/18/2022	22:36	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Orthophos phate	ND	0.12	mg-P/L
First Flush	9/18/2022	22:06	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Orthophos phate	0.48	0.12	mg-P/L

First Flush	9/18/2022	22:38	Pacific Grove	309-PGSD-01	8th Street	Orthophosphate	0.41	0.12	mg-P/L
First Flush	9/18/2022	22:18	Pacific Grove	309-PGSD-01	8th Street	Orthophosphate	0.44	0.12	mg-P/L
First Flush	9/19/2022	8:15	Pacific Grove	309-PGSD-01RW	8th Street Receiving Water	Orthophosphate	ND	0.12	mg-P/L
First Flush	9/18/2022	21:55	Pacific Grove	309-CENTR-31	Greenwood Park	Orthophosphate	0.55	0.12	mg-P/L
First Flush	9/18/2022	21:25	Pacific Grove	309-CENTR-31	Greenwood Park	Orthophosphate	0.34	0.12	mg-P/L
First Flush	9/18/2022	22:20	Pacific Grove	309-PGSD-03	Lover's Point	Orthophosphate	0.51	0.12	mg-P/L
First Flush	9/18/2022	21:50	Pacific Grove	309-PGSD-03	Lover's Point	Orthophosphate	0.45	0.12	mg-P/L
First Flush	9/18/2022	22:55	Pacific Grove	309-PGSD-04	Pico	Orthophosphate	0.45	0.12	mg-P/L
First Flush	9/18/2022	22:25	Pacific Grove	309-PGSD-04	Pico	Orthophosphate	0.5	0.12	mg-P/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15	Sea Palm	Orthophosphate	0.41	0.12	mg-P/L
First Flush	9/18/2022	21:30	Pacific Grove	309-PGSD-15	Sea Palm	Orthophosphate	0.28	0.12	mg-P/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15D	Sea Palm Duplicate	Orthophosphate	0.42	0.12	mg-P/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15FB	Sea Palm Field Blank	Orthophosphate	ND	0.12	mg-P/L
First Flush	9/19/2022	8:40	Pacific Grove	309-PGSD-15RW	Sea Palm Receiving Water	Orthophosphate	ND	0.12	mg-P/L
First Flush	9/18/2022	23:54	Seaside/Sand City	309-SSD-02	Bay Street	Orthophosphate	0.24	0.12	mg-P/L
First Flush	9/18/2022	23:30	Seaside/Sand City	309-SSD-02	Bay Street	Orthophosphate	0.24	0.12	mg-P/L
First Flush	9/18/2022	22:57	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Potassium	8	20	mg/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Potassium	7.9	20	mg/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Potassium	8.1	20	mg/L
First Flush	9/18/2022	22:00	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Potassium	10.6	20	mg/L
First Flush	9/18/2022	23:45	Monterey	309-MSD-04	San Carlos	Potassium	3	20	mg/L
First Flush	9/18/2022	23:01	Monterey	309-MSD-04	San Carlos	Potassium	1.8	20	mg/L

First Flush	9/18/2022	22:32	Monterey	309-MSD-05	Steinbeck	Potassium	4	20	mg/L
First Flush	9/18/2022	21:59	Monterey	309-MSD-05	Steinbeck	Potassium	5.3	20	mg/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01	Boronda	Potassium	14.8	20	mg/L
First Flush	11/1/2022	14:30	Monterey County	309-SASD-01	Boronda	Potassium	132	20	mg/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01 FB	Boronda Field Blank	Potassium	ND	20	mg/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02	Las Palmas	Potassium	4.4	20	mg/L
First Flush	11/1/2022	15:40	Monterey County	309-SASD-02	Las Palmas	Potassium	4.4	20	mg/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02 D	Las Palmas Duplicate	Potassium	4.4	20	mg/L
First Flush	9/18/2022	22:36	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Potassium	3.5	20	mg/L
First Flush	9/18/2022	22:06	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Potassium	5.4	20	mg/L
First Flush	9/18/2022	22:38	Pacific Grove	309-PGSD-0 1	8th Street	Potassium	6.2	20	mg/L
First Flush	9/18/2022	22:18	Pacific Grove	309-PGSD-0 1	8th Street	Potassium	7	20	mg/L
First Flush	9/19/2022	8:15	Pacific Grove	309-PGSD-0 1RW	8th Street Receiving Water	Potassium	390	20	mg/L
First Flush	9/18/2022	21:55	Pacific Grove	309-CENTR- 31	Greenwood Park	Potassium	7.2	20	mg/L
First Flush	9/18/2022	21:25	Pacific Grove	309-CENTR- 31	Greenwood Park	Potassium	5.4	20	mg/L
First Flush	9/18/2022	22:20	Pacific Grove	309-PGSD-0 3	Lover's Point	Potassium	7.5	20	mg/L
First Flush	9/18/2022	21:50	Pacific Grove	309-PGSD-0 3	Lover's Point	Potassium	6.9	20	mg/L
First Flush	9/18/2022	22:55	Pacific Grove	309-PGSD-0 4	Pico	Potassium	9.8	20	mg/L
First Flush	9/18/2022	22:25	Pacific Grove	309-PGSD-0 4	Pico	Potassium	9.9	20	mg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-1 5	Sea Palm	Potassium	6.2	20	mg/L
First Flush	9/18/2022	21:30	Pacific Grove	309-PGSD-1 5	Sea Palm	Potassium	4	20	mg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-1 5D	Sea Palm Duplicate	Potassium	6.1	20	mg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-1 5FB	Sea Palm Field Blank	Potassium	ND	20	mg/L

First Flush	9/19/2022	8:40	Pacific Grove	309-PGSD-1 5RW	Sea Palm Receiving Water	Potassium	404	20	mg/L
First Flush	9/18/2022	23:54	Seaside/Sand City	309-SSD-02	Bay Street	Potassium	3.1	20	mg/L
First Flush	9/18/2022	23:30	Seaside/Sand City	309-SSD-02	Bay Street	Potassium	3	20	mg/L
First Flush	9/18/2022	22:57	Carmel-by-the-Se a	307-CASD-0 1	4th Avenue	Surfactants	1.5	0.2	mg/L
First Flush	9/18/2022	22:30	Carmel-by-the-Se a	307-CASD-0 1	4th Avenue	Surfactants	1.68	0.2	mg/L
First Flush	9/18/2022	22:30	Carmel-by-the-Se a	307-CASD-0 2	Ocean Avenue	Surfactants	1.2	0.2	mg/L
First Flush	9/18/2022	22:00	Carmel-by-the-Se a	307-CASD-0 2	Ocean Avenue	Surfactants	0.96	0.2	mg/L
First Flush	9/18/2022	23:45	Monterey	309-MSD-04	San Carlos	Surfactants	0.57	0.2	mg/L
First Flush	9/18/2022	23:01	Monterey	309-MSD-04	San Carlos	Surfactants	0.76	0.2	mg/L
First Flush	9/18/2022	22:32	Monterey	309-MSD-05	Steinbeck	Surfactants	1.92	0.2	mg/L
First Flush	9/18/2022	21:59	Monterey	309-MSD-05	Steinbeck	Surfactants	1.6	0.2	mg/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01	Boronda	Surfactants	0.22	0.2	mg/L
First Flush	11/1/2022	14:30	Monterey County	309-SASD-01	Boronda	Surfactants	0.2	0.2	mg/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01 FB	Boronda Field Blank	Surfactants	ND	0.2	mg/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02	Las Palmas	Surfactants	1.02	0.2	mg/L
First Flush	11/1/2022	15:40	Monterey County	309-SASD-02	Las Palmas	Surfactants	1.12	0.2	mg/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02 D	Las Palmas Duplicate	Surfactants	1.13	0.2	mg/L
First Flush	9/18/2022	22:36	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Surfactants	0.72	0.2	mg/L
First Flush	9/18/2022	22:06	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Surfactants	1.04	0.2	mg/L
First Flush	9/18/2022	22:38	Pacific Grove	309-PGSD-0 1	8th Street	Surfactants	0.77	0.2	mg/L
First Flush	9/18/2022	22:18	Pacific Grove	309-PGSD-0 1	8th Street	Surfactants	0.94	0.2	mg/L
First Flush	9/19/2022	8:15	Pacific Grove	309-PGSD-0 1RW	8th Street Receiving Water	Surfactants	0.2	0.2	mg/L
First Flush	9/18/2022	21:55	Pacific Grove	309-CENTR- 31	Greenwood Park	Surfactants	0.76	0.2	mg/L

First Flush	9/18/2022	21:25	Pacific Grove	309-CENTR-31	Greenwood Park	Surfactants	0.5	0.2	mg/L
First Flush	9/18/2022	22:20	Pacific Grove	309-PGSD-03	Lover's Point	Surfactants	0.74	0.2	mg/L
First Flush	9/18/2022	21:50	Pacific Grove	309-PGSD-03	Lover's Point	Surfactants	0.78	0.2	mg/L
First Flush	9/18/2022	22:55	Pacific Grove	309-PGSD-04	Pico	Surfactants	0.9	0.2	mg/L
First Flush	9/18/2022	22:25	Pacific Grove	309-PGSD-04	Pico	Surfactants	0.91	0.2	mg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15	Sea Palm	Surfactants	0.79	0.2	mg/L
First Flush	9/18/2022	21:30	Pacific Grove	309-PGSD-15	Sea Palm	Surfactants	0.65	0.2	mg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15D	Sea Palm Duplicate	Surfactants	0.58	0.2	mg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15FB	Sea Palm Field Blank	Surfactants	ND	0.2	mg/L
First Flush	9/19/2022	8:40	Pacific Grove	309-PGSD-15RW	Sea Palm Receiving Water	Surfactants	0.11	0.2	mg/L
First Flush	9/18/2022	23:54	Seaside/Sand City	309-SSD-02	Bay Street	Surfactants	0.58	0.2	mg/L
First Flush	9/18/2022	23:30	Seaside/Sand City	309-SSD-02	Bay Street	Surfactants	0.44	0.2	mg/L
First Flush	9/18/2022	22:57	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Total Suspended Solids	190	500	mg/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Total Suspended Solids	170	500	mg/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Total Suspended Solids	15	500	mg/L
First Flush	9/18/2022	22:00	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Total Suspended Solids	17	500	mg/L
First Flush	9/18/2022	23:45	Monterey	309-MSD-04	San Carlos	Total Suspended Solids	75	500	mg/L
First Flush	9/18/2022	23:01	Monterey	309-MSD-04	San Carlos	Total Suspended Solids	8	500	mg/L
First Flush	9/18/2022	22:32	Monterey	309-MSD-05	Steinbeck	Total Suspended Solids	59	500	mg/L



First Flush	9/18/2022	21:59	Monterey	309-MSD-05	Steinbeck	Total Suspended Solids	18	500	mg/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01	Boronda	Total Suspended Solids	1038	500	mg/L
First Flush	11/1/2022	14:30	Monterey County	309-SASD-01	Boronda	Total Suspended Solids	1224	500	mg/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01 FB	Boronda Field Blank	Total Suspended Solids	ND	500	mg/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02	Las Palmas	Total Suspended Solids	17	500	mg/L
First Flush	11/1/2022	15:40	Monterey County	309-SASD-02	Las Palmas	Total Suspended Solids	28	500	mg/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02 D	Las Palmas Duplicate	Total Suspended Solids	17	500	mg/L
First Flush	9/18/2022	22:36	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Total Suspended Solids	36	500	mg/L
First Flush	9/18/2022	22:06	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Total Suspended Solids	27	500	mg/L
First Flush	9/18/2022	22:38	Pacific Grove	309-PGSD-0 1	8th Street	Total Suspended Solids	58	500	mg/L
First Flush	9/18/2022	22:18	Pacific Grove	309-PGSD-0 1	8th Street	Total Suspended Solids	17	500	mg/L
First Flush	9/19/2022	8:15	Pacific Grove	309-PGSD-0 1RW	8th Street Receiving Water	Total Suspended Solids	14	500	mg/L
First Flush	9/18/2022	21:55	Pacific Grove	309-CENTR- 31	Greenwood Park	Total Suspended Solids	32	500	mg/L
First Flush	9/18/2022	21:25	Pacific Grove	309-CENTR- 31	Greenwood Park	Total Suspended Solids	42	500	mg/L
First Flush	9/18/2022	22:20	Pacific Grove	309-PGSD-0 3	Lover's Point	Total Suspended Solids	15	500	mg/L

First Flush	9/18/2022	21:50	Pacific Grove	309-PGSD-03	Lover's Point	Total Suspended Solids	24	500	mg/L
First Flush	9/18/2022	22:55	Pacific Grove	309-PGSD-04	Pico	Total Suspended Solids	12	500	mg/L
First Flush	9/18/2022	22:25	Pacific Grove	309-PGSD-04	Pico	Total Suspended Solids	16	500	mg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15	Sea Palm	Total Suspended Solids	10	500	mg/L
First Flush	9/18/2022	21:30	Pacific Grove	309-PGSD-15	Sea Palm	Total Suspended Solids	35	500	mg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15D	Sea Palm Duplicate	Total Suspended Solids	6	500	mg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15FB	Sea Palm Field Blank	Total Suspended Solids	ND	500	mg/L
First Flush	9/19/2022	8:40	Pacific Grove	309-PGSD-15RW	Sea Palm Receiving Water	Total Suspended Solids	78	500	mg/L
First Flush	9/18/2022	23:54	Seaside/Sand City	309-SSD-02	Bay Street	Total Suspended Solids	29	500	mg/L
First Flush	9/18/2022	23:30	Seaside/Sand City	309-SSD-02	Bay Street	Total Suspended Solids	47	500	mg/L
First Flush	9/18/2022	22:57	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Turbidity	37	25	NTU
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Turbidity	50	25	NTU
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Turbidity	10	25	NTU
First Flush	9/18/2022	22:00	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Turbidity	11	25	NTU
First Flush	9/18/2022	23:45	Monterey	309-MSD-04	San Carlos	Turbidity	10	25	NTU
First Flush	9/18/2022	23:01	Monterey	309-MSD-04	San Carlos	Turbidity	23	25	NTU
First Flush	9/18/2022	22:32	Monterey	309-MSD-05	Steinbeck	Turbidity	22	25	NTU
First Flush	9/18/2022	21:59	Monterey	309-MSD-05	Steinbeck	Turbidity	17	25	NTU
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01	Boronda	Turbidity	190	25	NTU
First Flush	11/1/2022	14:30	Monterey County	309-SASD-01	Boronda	Turbidity	210	25	NTU

First Flush	11/1/2022	15:00	Monterey County	309-SASD-01 FB	Boronda Field Blank	Turbidity	0.2	25	NTU
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02	Las Palmas	Turbidity	16	25	NTU
First Flush	11/1/2022	15:40	Monterey County	309-SASD-02	Las Palmas	Turbidity	24	25	NTU
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02 D	Las Palmas Duplicate	Turbidity	16	25	NTU
First Flush	9/18/2022	22:36	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Turbidity	43	25	NTU
First Flush	9/18/2022	22:06	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Turbidity	53	25	NTU
First Flush	9/18/2022	22:38	Pacific Grove	309-PGSD-0 1	8th Street	Turbidity	16	25	NTU
First Flush	9/18/2022	22:18	Pacific Grove	309-PGSD-0 1	8th Street	Turbidity	11	25	NTU
First Flush	9/19/2022	8:15	Pacific Grove	309-PGSD-0 1RW	8th Street Receiving Water	Turbidity	1.1	25	NTU
First Flush	9/18/2022	21:55	Pacific Grove	309-CENTR- 31	Greenwood Park	Turbidity	18	25	NTU
First Flush	9/18/2022	21:25	Pacific Grove	309-CENTR- 31	Greenwood Park	Turbidity	21	25	NTU
First Flush	9/18/2022	22:20	Pacific Grove	309-PGSD-0 3	Lover's Point	Turbidity	8.5	25	NTU
First Flush	9/18/2022	21:50	Pacific Grove	309-PGSD-0 3	Lover's Point	Turbidity	12	25	NTU
First Flush	9/18/2022	22:55	Pacific Grove	309-PGSD-0 4	Pico	Turbidity	7.2	25	NTU
First Flush	9/18/2022	22:25	Pacific Grove	309-PGSD-0 4	Pico	Turbidity	9.6	25	NTU
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-1 5	Sea Palm	Turbidity	8.3	25	NTU
First Flush	9/18/2022	21:30	Pacific Grove	309-PGSD-1 5	Sea Palm	Turbidity	11	25	NTU
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-1 5D	Sea Palm Duplicate	Turbidity	8	25	NTU
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-1 5FB	Sea Palm Field Blank	Turbidity	0.2	25	NTU
First Flush	9/19/2022	8:40	Pacific Grove	309-PGSD-1 5RW	Sea Palm Receiving Water	Turbidity	12	25	NTU
First Flush	9/18/2022	23:54	Seaside/Sand City	309-SSD-02	Bay Street	Turbidity	15	25	NTU

First Flush	9/18/2022	23:30	Seaside/Sand City	309-SSD-02	Bay Street	Turbidity	25	25	NTU
First Flush	9/18/2022	22:57	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Urea	148	NA	mg-N/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Urea	203	NA	mg-N/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Urea	345	NA	mg-N/L
First Flush	9/18/2022	22:00	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Urea	476	NA	mg-N/L
First Flush	9/18/2022	23:45	Monterey	309-MSD-04	San Carlos	Urea	158	NA	mg-N/L
First Flush	9/18/2022	23:01	Monterey	309-MSD-04	San Carlos	Urea	116	NA	mg-N/L
First Flush	9/18/2022	22:32	Monterey	309-MSD-05	Steinbeck	Urea	825	NA	mg-N/L
First Flush	9/18/2022	21:59	Monterey	309-MSD-05	Steinbeck	Urea	1170	NA	mg-N/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01	Boronda	Urea	392	NA	mg-N/L
First Flush	11/1/2022	14:30	Monterey County	309-SASD-01	Boronda	Urea	398	NA	mg-N/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01 FB	Boronda Field Blank	Urea	ND	NA	mg-N/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02	Las Palmas	Urea	287	NA	mg-N/L
First Flush	11/1/2022	15:40	Monterey County	309-SASD-02	Las Palmas	Urea	260	NA	mg-N/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02 D	Las Palmas Duplicate	Urea	291	NA	mg-N/L
First Flush	9/18/2022	22:36	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Urea	106	NA	mg-N/L
First Flush	9/18/2022	22:06	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Urea	240	NA	mg-N/L
First Flush	9/18/2022	22:38	Pacific Grove	309-PGSD-01	8th Street	Urea	214	NA	mg-N/L
First Flush	9/18/2022	22:18	Pacific Grove	309-PGSD-01	8th Street	Urea	216	NA	mg-N/L
First Flush	9/19/2022	8:15	Pacific Grove	309-PGSD-01 RW	8th Street Receiving Water	Urea	23	NA	mg-N/L
First Flush	9/18/2022	21:55	Pacific Grove	309-CENTR-31	Greenwood Park	Urea	344	NA	mg-N/L
First Flush	9/18/2022	21:25	Pacific Grove	309-CENTR-31	Greenwood Park	Urea	271	NA	mg-N/L
First Flush	9/18/2022	22:20	Pacific Grove	309-PGSD-03	Lover's Point	Urea	251	NA	mg-N/L
First Flush	9/18/2022	21:50	Pacific Grove	309-PGSD-03	Lover's Point	Urea	218	NA	mg-N/L

First Flush	9/18/2022	22:55	Pacific Grove	309-PGSD-04	Pico	Urea	220	NA	mg-N/L
First Flush	9/18/2022	22:25	Pacific Grove	309-PGSD-04	Pico	Urea	221	NA	mg-N/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15	Sea Palm	Urea	212	NA	mg-N/L
First Flush	9/18/2022	21:30	Pacific Grove	309-PGSD-15	Sea Palm	Urea	165	NA	mg-N/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15D	Sea Palm Duplicate	Urea	244	NA	mg-N/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15FB	Sea Palm Field Blank	Urea	14	NA	mg-N/L
First Flush	9/19/2022	8:40	Pacific Grove	309-PGSD-15RW	Sea Palm Receiving Water	Urea	22	NA	mg-N/L
First Flush	9/18/2022	23:54	Seaside/Sand City	309-SSD-02	Bay Street	Urea	260	NA	mg-N/L
First Flush	9/18/2022	23:30	Seaside/Sand City	309-SSD-02	Bay Street	Urea	261	NA	mg-N/L
First Flush	9/18/2022	22:57	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Zinc	36	200	µg/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Zinc	153	200	µg/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Zinc	153	200	µg/L
First Flush	9/18/2022	22:00	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Zinc	111	200	µg/L
First Flush	9/18/2022	23:45	Monterey	309-MSD-04	San Carlos	Zinc	59	200	µg/L
First Flush	9/18/2022	23:01	Monterey	309-MSD-04	San Carlos	Zinc	105	200	µg/L
First Flush	9/18/2022	22:32	Monterey	309-MSD-05	Steinbeck	Zinc	171	200	µg/L
First Flush	9/18/2022	21:59	Monterey	309-MSD-05	Steinbeck	Zinc	183	200	µg/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01	Boronda	Zinc	281	200	µg/L
First Flush	11/1/2022	14:30	Monterey County	309-SASD-01	Boronda	Zinc	275	200	µg/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01FB	Boronda Field Blank	Zinc	ND	200	µg/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02	Las Palmas	Zinc	74	200	µg/L
First Flush	11/1/2022	15:40	Monterey County	309-SASD-02	Las Palmas	Zinc	92	200	µg/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02D	Las Palmas Duplicate	Zinc	86	200	µg/L
First Flush	9/18/2022	22:36	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Zinc	224	200	µg/L

First Flush	9/18/2022	22:06	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Zinc	87	200	µg/L
First Flush	9/18/2022	22:38	Pacific Grove	309-PGSD-01	8th Street	Zinc	102	200	µg/L
First Flush	9/18/2022	22:18	Pacific Grove	309-PGSD-01	8th Street	Zinc	90	200	µg/L
First Flush	9/19/2022	8:15	Pacific Grove	309-PGSD-01RW	8th Street Receiving Water	Zinc	ND	200	µg/L
First Flush	9/18/2022	21:55	Pacific Grove	309-CENTR-31	Greenwood Park	Zinc	113	200	µg/L
First Flush	9/18/2022	21:25	Pacific Grove	309-CENTR-31	Greenwood Park	Zinc	95	200	µg/L
First Flush	9/18/2022	22:20	Pacific Grove	309-PGSD-03	Lover's Point	Zinc	92	200	µg/L
First Flush	9/18/2022	21:50	Pacific Grove	309-PGSD-03	Lover's Point	Zinc	80	200	µg/L
First Flush	9/18/2022	22:55	Pacific Grove	309-PGSD-04	Pico	Zinc	76	200	µg/L
First Flush	9/18/2022	22:25	Pacific Grove	309-PGSD-04	Pico	Zinc	78	200	µg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15	Sea Palm	Zinc	54	200	µg/L
First Flush	9/18/2022	21:30	Pacific Grove	309-PGSD-15	Sea Palm	Zinc	62	200	µg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15D	Sea Palm Duplicate	Zinc	51	200	µg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15FB	Sea Palm Field Blank	Zinc	ND	200	µg/L
First Flush	9/19/2022	8:40	Pacific Grove	309-PGSD-15RW	Sea Palm Receiving Water	Zinc	ND	200	µg/L
First Flush	9/18/2022	23:54	Seaside/Sand City	309-SSD-02	Bay Street	Zinc	87	200	µg/L
First Flush	9/18/2022	23:30	Seaside/Sand City	309-SSD-02	Bay Street	Zinc	98	200	µg/L

Red highlight indicates that the water quality criteria was exceeded for the given analyte.

ND - Non-detect

NA - Not available

### Appendix 3: Results by Jurisdiction (listed alphabetically)

Run	Date	Time	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05	Steinbeck	Ammonia	0.21	50	mg/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05	Steinbeck	Color	35	500	Color Units
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05	Steinbeck	Copper	16	30	µg/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05	Steinbeck	E. coli	10	235	MPN/100 mL
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05	Steinbeck	Enterococcus	6131	104	MPN/100 mL
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05	Steinbeck	Hardness	257	2000	mg/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05	Steinbeck	Lead	0.4	30	µg/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05	Steinbeck	Nitrate	1.1	2.25	mg-N/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05	Steinbeck	Orthophosphate	0.61	0.12	mg-P/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05	Steinbeck	Potassium	6.1	20	mg/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05	Steinbeck	Surfactants	0.6	0.2	mg/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05	Steinbeck	Total Suspended Solids	4	500	mg/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05	Steinbeck	Turbidity	1.5	25	NTU
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05	Steinbeck	Urea	38	NA	mg-N/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05	Steinbeck	Zinc	30	200	µg/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05 D	Steinbeck Duplicate	Ammonia	0.19	50	mg-N/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05 D	Steinbeck Duplicate	Color	30	500	Color Units
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05 D	Steinbeck Duplicate	Copper	16	30	µg/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05 D	Steinbeck Duplicate	E. coli	74	235	MPN/100 mL
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05 D	Steinbeck Duplicate	Enterococcus	6867	104	MPN/100 mL
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05 D	Steinbeck Duplicate	Hardness	248	2000	mg/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05 D	Steinbeck Duplicate	Lead	0.4	30	µg/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05 D	Steinbeck Duplicate	Nitrate	1.1	2.25	mg-N/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05 D	Steinbeck Duplicate	Orthophosphate	0.68	0.12	mg-P/L

Dry Run	9/16/2022	11:10	Monterey	309-MSD-05 D	Steinbeck Duplicate	Potassium	6.1	20	mg/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05 D	Steinbeck Duplicate	Surfactants	0.66	0.2	mg/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05 D	Steinbeck Duplicate	Total Suspended Solids	3	500	mg/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05 D	Steinbeck Duplicate	Turbidity	1.4	25	NTU
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05 D	Steinbeck Duplicate	Urea	47	NA	mg-N/L
Dry Run	9/16/2022	11:10	Monterey	309-MSD-05 D	Steinbeck Duplicate	Zinc	31	200	µg/L
Dry Run	9/16/2022	9:45	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Ammonia	0.67	50	mg/L
Dry Run	9/16/2022	9:45	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Color	50	500	Color Units
Dry Run	9/16/2022	9:45	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Copper	16	30	µg/L
Dry Run	9/16/2022	9:45	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	E. coli	17329	235	MPN/100 mL
Dry Run	9/16/2022	9:45	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Enterococ cus	2595	104	MPN/100 mL
Dry Run	9/16/2022	9:45	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Hardness	321	2000	mg/L
Dry Run	9/16/2022	9:45	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Lead	0.4	30	µg/L
Dry Run	9/16/2022	9:45	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Nitrate	0.5	2.25	mg-N/L
Dry Run	9/16/2022	9:45	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Orthophos phate	0.3	0.12	mg-P/L
Dry Run	9/16/2022	9:45	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Potassium	8.3	20	mg/L



Dry Run	9/16/2022	9:45	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Surfactants	0.32	0.2	mg/L
Dry Run	9/16/2022	9:45	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Total Suspended Solids	ND	500	mg/L
Dry Run	9/16/2022	9:45	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Turbidity	3.2	25	NTU
Dry Run	9/16/2022	9:45	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Urea	450	NA	mg-N/L
Dry Run	9/16/2022	9:45	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Zinc	42	200	µg/L
Dry Run	9/16/2022	12:13	Pacific Grove	309-CENTR-31	Greenwood Park	Ammonia	0.14	50	mg-N/L
Dry Run	9/16/2022	11:58	Pacific Grove	309-CENTR-31	Greenwood Park	Ammonia	0.14	50	mg/L
Dry Run	9/16/2022	12:13	Pacific Grove	309-CENTR-31	Greenwood Park	Color	50	500	Color Units
Dry Run	9/16/2022	11:58	Pacific Grove	309-CENTR-31	Greenwood Park	Color	50	500	Color Units
Dry Run	9/16/2022	12:13	Pacific Grove	309-CENTR-31	Greenwood Park	Copper	13	30	µg/L
Dry Run	9/16/2022	11:58	Pacific Grove	309-CENTR-31	Greenwood Park	Copper	12	30	µg/L
Dry Run	9/16/2022	12:13	Pacific Grove	309-CENTR-31	Greenwood Park	E. coli	19863	235	MPN/100 mL
Dry Run	9/16/2022	11:58	Pacific Grove	309-CENTR-31	Greenwood Park	E. coli	24196	235	MPN/100 mL
Dry Run	9/16/2022	12:13	Pacific Grove	309-CENTR-31	Greenwood Park	Enterococcus	24196	104	MPN/100 mL
Dry Run	9/16/2022	11:58	Pacific Grove	309-CENTR-31	Greenwood Park	Enterococcus	24196	104	MPN/100 mL
Dry Run	9/16/2022	12:13	Pacific Grove	309-CENTR-31	Greenwood Park	Hardness	415	2000	mg/L
Dry Run	9/16/2022	11:58	Pacific Grove	309-CENTR-31	Greenwood Park	Hardness	397	2000	mg/L
Dry Run	9/16/2022	12:13	Pacific Grove	309-CENTR-31	Greenwood Park	Lead	0.2	30	µg/L
Dry Run	9/16/2022	11:58	Pacific Grove	309-CENTR-31	Greenwood Park	Lead	0.2	30	µg/L

Dry Run	9/16/2022	12:13	Pacific Grove	309-CENTR-3 1	Greenwood Park	Nitrate	1.1	2.25	mg-N/L
Dry Run	9/16/2022	11:58	Pacific Grove	309-CENTR-3 1	Greenwood Park	Nitrate	1.1	2.25	mg-N/L
Dry Run	9/16/2022	12:13	Pacific Grove	309-CENTR-3 1	Greenwood Park	Orthophos phate	0.14	0.12	mg-P/L
Dry Run	9/16/2022	11:58	Pacific Grove	309-CENTR-3 1	Greenwood Park	Orthophos phate	0.14	0.12	mg-P/L
Dry Run	9/16/2022	12:13	Pacific Grove	309-CENTR-3 1	Greenwood Park	Potassium	8.5	20	mg/L
Dry Run	9/16/2022	11:58	Pacific Grove	309-CENTR-3 1	Greenwood Park	Potassium	8.3	20	mg/L
Dry Run	9/16/2022	12:13	Pacific Grove	309-CENTR-3 1	Greenwood Park	Surfactants	0.14	0.2	mg/L
Dry Run	9/16/2022	11:58	Pacific Grove	309-CENTR-3 1	Greenwood Park	Surfactants	0.13	0.2	mg/L
Dry Run	9/16/2022	12:13	Pacific Grove	309-CENTR-3 1	Greenwood Park	Total Suspended Solids	4	500	mg/L
Dry Run	9/16/2022	11:58	Pacific Grove	309-CENTR-3 1	Greenwood Park	Total Suspended Solids	4	500	mg/L
Dry Run	9/16/2022	12:13	Pacific Grove	309-CENTR-3 1	Greenwood Park	Turbidity	6.4	25	NTU
Dry Run	9/16/2022	11:58	Pacific Grove	309-CENTR-3 1	Greenwood Park	Turbidity	5.7	25	NTU
Dry Run	9/16/2022	12:13	Pacific Grove	309-CENTR-3 1	Greenwood Park	Urea	48	NA	mg-N/L
Dry Run	9/16/2022	11:58	Pacific Grove	309-CENTR-3 1	Greenwood Park	Urea	61	NA	mg-N/L
Dry Run	9/16/2022	12:13	Pacific Grove	309-CENTR-3 1	Greenwood Park	Zinc	20	200	µg/L
Dry Run	9/16/2022	11:58	Pacific Grove	309-CENTR-3 1	Greenwood Park	Zinc	20	200	µg/L
Dry Run	9/16/2022	11:00	Pacific Grove	309-PGSD-04	Pico	Ammonia	0.06	50	mg/L
Dry Run	9/16/2022	11:00	Pacific Grove	309-PGSD-04	Pico	Color	30	500	Color Units
Dry Run	9/16/2022	11:00	Pacific Grove	309-PGSD-04	Pico	Copper	5.1	30	µg/L
Dry Run	9/16/2022	11:00	Pacific Grove	309-PGSD-04	Pico	E. coli	187	235	MPN/100 mL
Dry Run	9/16/2022	11:00	Pacific Grove	309-PGSD-04	Pico	Enterococ cus	10	104	MPN/100 mL
Dry Run	9/16/2022	11:00	Pacific Grove	309-PGSD-04	Pico	Hardness	184	2000	mg/L
Dry Run	9/16/2022	11:00	Pacific Grove	309-PGSD-04	Pico	Lead	ND	30	µg/L

Dry Run	9/16/2022	11:00	Pacific Grove	309-PGSD-04	Pico	Nitrate	1.3	2.25	mg-N/L
Dry Run	9/16/2022	11:00	Pacific Grove	309-PGSD-04	Pico	Orthophosphate	ND	0.12	mg-P/L
Dry Run	9/16/2022	11:00	Pacific Grove	309-PGSD-04	Pico	Potassium	5	20	mg/L
Dry Run	9/16/2022	11:00	Pacific Grove	309-PGSD-04	Pico	Surfactants	0.1	0.2	mg/L
Dry Run	9/16/2022	11:00	Pacific Grove	309-PGSD-04	Pico	Total Suspended Solids	3	500	mg/L
Dry Run	9/16/2022	11:00	Pacific Grove	309-PGSD-04	Pico	Turbidity	2	25	NTU
Dry Run	9/16/2022	11:00	Pacific Grove	309-PGSD-04	Pico	Urea	9	NA	mg-N/L
Dry Run	9/16/2022	11:00	Pacific Grove	309-PGSD-04	Pico	Zinc	ND	200	µg/L
Dry Run	9/16/2022	11:30	Pacific Grove	309-PGSD-15	Sea Palm	Ammonia	0.07	50	mg/L
Dry Run	9/16/2022	11:30	Pacific Grove	309-PGSD-15	Sea Palm	Color	30	500	Color Units
Dry Run	9/16/2022	11:30	Pacific Grove	309-PGSD-15	Sea Palm	Copper	5.7	30	µg/L
Dry Run	9/16/2022	11:30	Pacific Grove	309-PGSD-15	Sea Palm	E. coli	ND	235	MPN/100 mL
Dry Run	9/16/2022	11:30	Pacific Grove	309-PGSD-15	Sea Palm	Enterococcus	ND	104	MPN/100 mL
Dry Run	9/16/2022	11:30	Pacific Grove	309-PGSD-15	Sea Palm	Hardness	280	2000	mg/L
Dry Run	9/16/2022	11:30	Pacific Grove	309-PGSD-15	Sea Palm	Lead	0.2	30	µg/L
Dry Run	9/16/2022	11:30	Pacific Grove	309-PGSD-15	Sea Palm	Nitrate	0.3	2.25	mg-N/L
Dry Run	9/16/2022	11:30	Pacific Grove	309-PGSD-15	Sea Palm	Orthophosphate	ND	0.12	mg-P/L
Dry Run	9/16/2022	11:30	Pacific Grove	309-PGSD-15	Sea Palm	Potassium	6.4	20	mg/L
Dry Run	9/16/2022	11:30	Pacific Grove	309-PGSD-15	Sea Palm	Surfactants	0.1	0.2	mg/L
Dry Run	9/16/2022	11:30	Pacific Grove	309-PGSD-15	Sea Palm	Total Suspended Solids	4	500	mg/L
Dry Run	9/16/2022	11:30	Pacific Grove	309-PGSD-15	Sea Palm	Turbidity	0.65	25	NTU
Dry Run	9/16/2022	11:30	Pacific Grove	309-PGSD-15	Sea Palm	Urea	16	NA	mg-N/L
Dry Run	9/16/2022	11:30	Pacific Grove	309-PGSD-15	Sea Palm	Zinc	ND	200	µg/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02	Bay Street	Ammonia	0.22	50	mg/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02	Bay Street	Color	20	500	Color Units
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02	Bay Street	Copper	ND	30	µg/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02	Bay Street	E. coli	ND	235	MPN/100 mL
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02	Bay Street	Enterococcus	ND	104	MPN/100 mL

Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02	Bay Street	Hardness	141	2000	mg/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02	Bay Street	Lead	0.3	30	µg/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02	Bay Street	Nitrate	11.9	2.25	mg-N/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02	Bay Street	Orthophosphate	0.64	0.12	mg-P/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02	Bay Street	Potassium	6.1	20	mg/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02	Bay Street	Surfactants	0.13	0.2	mg/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02	Bay Street	Total Suspended Solids	5	500	mg/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02	Bay Street	Turbidity	1.4	25	NTU
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02	Bay Street	Urea	68	NA	mg-N/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02	Bay Street	Zinc	28	200	µg/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02F B	Bay Street Field Blank	Ammonia	0.06	50	mg-N/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02F B	Bay Street Field Blank	Color	ND	500	Color Units
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02F B	Bay Street Field Blank	Copper	ND	30	µg/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02F B	Bay Street Field Blank	E. coli	<2	235	MPN/100 mL
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02F B	Bay Street Field Blank	Enterococcus	<2	104	MPN/100 mL
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02F B	Bay Street Field Blank	Hardness	ND	2000	mg/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02F B	Bay Street Field Blank	Lead	ND	30	µg/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02F B	Bay Street Field Blank	Nitrate	ND	2.25	mg-N/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02F B	Bay Street Field Blank	Orthophosphate	ND	0.12	mg-P/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02F B	Bay Street Field Blank	Potassium	ND	20	mg/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02F B	Bay Street Field Blank	Surfactants	ND	0.2	mg/L

Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02F B	Bay Street Field Blank	Total Suspended Solids	ND	500	mg/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02F B	Bay Street Field Blank	Turbidity	ND	25	NTU
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02F B	Bay Street Field Blank	Urea	ND	NA	mg-N/L
Dry Run	9/16/2022	12:23	Seaside/Sand City	309-SSD-02F B	Bay Street Field Blank	Zinc	ND	200	µg/L
First Flush	9/18/2022	22:57	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Ammonia	0.41	50	mg/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Ammonia	0.53	50	mg-N/L
First Flush	9/18/2022	22:57	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Color	300	500	Color Units
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Color	250	500	Color Units
First Flush	9/18/2022	22:57	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Copper	52	30	µg/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Copper	81	30	µg/L
First Flush	9/18/2022	22:57	Carmel-by-the-Sea	307-CASD-01	4th Avenue	E. coli	43520	235	MPN/100 mL
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-01	4th Avenue	E. coli	48840	235	MPN/100 mL
First Flush	9/18/2022	22:57	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Enterococcus	22820	104	MPN/100 mL
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Enterococcus	26130	104	MPN/100 mL
First Flush	9/18/2022	22:57	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Hardness	551	2000	mg/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Hardness	38	2000	mg/L
First Flush	9/18/2022	22:57	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Lead	7.8	30	µg/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Lead	13	30	µg/L
First Flush	9/18/2022	22:57	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Nitrate	0.2	2.25	mg-N/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Nitrate	0.39	2.25	mg-N/L

First Flush	9/18/2022	22:57	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Orthophosphate	0.53	0.12	mg-P/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Orthophosphate	0.77	0.12	mg-P/L
First Flush	9/18/2022	22:57	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Potassium	8	20	mg/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Potassium	7.9	20	mg/L
First Flush	9/18/2022	22:57	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Surfactants	1.5	0.2	mg/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Surfactants	1.68	0.2	mg/L
First Flush	9/18/2022	22:57	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Total Suspended Solids	190	500	mg/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Total Suspended Solids	170	500	mg/L
First Flush	9/18/2022	22:57	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Turbidity	37	25	NTU
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Turbidity	50	25	NTU
First Flush	9/18/2022	22:57	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Urea	148	NA	mg-N/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Urea	203	NA	mg-N/L
First Flush	9/18/2022	22:57	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Zinc	36	200	µg/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-01	4th Avenue	Zinc	153	200	µg/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Ammonia	0.73	50	mg/L
First Flush	9/18/2022	22:00	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Ammonia	0.72	50	mg-N/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Color	150	500	Color Units
First Flush	9/18/2022	22:00	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Color	200	500	Color Units
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Copper	102	30	µg/L
First Flush	9/18/2022	22:00	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Copper	104	30	µg/L

First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	E. coli	20980	235	MPN/100 mL
First Flush	9/18/2022	22:00	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	E. coli	23820	235	MPN/100 mL
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Enterococcus	20640	104	MPN/100 mL
First Flush	9/18/2022	22:00	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Enterococcus	19560	104	MPN/100 mL
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Hardness	38	2000	mg/L
First Flush	9/18/2022	22:00	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Hardness	56	2000	mg/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Lead	3.4	30	µg/L
First Flush	9/18/2022	22:00	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Lead	ND	30	µg/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Nitrate	0.4	2.25	mg-N/L
First Flush	9/18/2022	22:00	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Nitrate	0.39	2.25	mg-N/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Orthophosphate	0.73	0.12	mg-P/L
First Flush	9/18/2022	22:00	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Orthophosphate	0.7	0.12	mg-P/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Potassium	8.1	20	mg/L
First Flush	9/18/2022	22:00	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Potassium	10.6	20	mg/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Surfactants	1.2	0.2	mg/L
First Flush	9/18/2022	22:00	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Surfactants	0.96	0.2	mg/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Total Suspended Solids	15	500	mg/L
First Flush	9/18/2022	22:00	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Total Suspended Solids	17	500	mg/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Turbidity	10	25	NTU
First Flush	9/18/2022	22:00	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Turbidity	11	25	NTU

First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Urea	345	NA	mg-N/L
First Flush	9/18/2022	22:00	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Urea	476	NA	mg-N/L
First Flush	9/18/2022	22:30	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Zinc	153	200	µg/L
First Flush	9/18/2022	22:00	Carmel-by-the-Sea	307-CASD-02	Ocean Avenue	Zinc	111	200	µg/L
First Flush	9/18/2022	23:45	Monterey	309-MSD-04	San Carlos	Ammonia	0.14	50	mg/L
First Flush	9/18/2022	23:01	Monterey	309-MSD-04	San Carlos	Ammonia	0.1	50	mg-N/L
First Flush	9/18/2022	23:45	Monterey	309-MSD-04	San Carlos	Color	75	500	Color Units
First Flush	9/18/2022	23:01	Monterey	309-MSD-04	San Carlos	Color	75	500	Color Units
First Flush	9/18/2022	23:45	Monterey	309-MSD-04	San Carlos	Copper	19.8	30	µg/L
First Flush	9/18/2022	23:01	Monterey	309-MSD-04	San Carlos	Copper	21	30	µg/L
First Flush	9/18/2022	23:45	Monterey	309-MSD-04	San Carlos	E. coli	12230	235	MPN/100 mL
First Flush	9/18/2022	23:01	Monterey	309-MSD-04	San Carlos	E. coli	2212	235	MPN/100 mL
First Flush	9/18/2022	23:45	Monterey	309-MSD-04	San Carlos	Enterococcus	18420	104	MPN/100 mL
First Flush	9/18/2022	23:01	Monterey	309-MSD-04	San Carlos	Enterococcus	7308	104	MPN/100 mL
First Flush	9/18/2022	23:45	Monterey	309-MSD-04	San Carlos	Hardness	44	2000	mg/L
First Flush	9/18/2022	23:01	Monterey	309-MSD-04	San Carlos	Hardness	22	2000	mg/L
First Flush	9/18/2022	23:45	Monterey	309-MSD-04	San Carlos	Lead	1.8	30	µg/L
First Flush	9/18/2022	23:01	Monterey	309-MSD-04	San Carlos	Lead	8.4	30	µg/L
First Flush	9/18/2022	23:45	Monterey	309-MSD-04	San Carlos	Nitrate	0.1	2.25	mg-N/L
First Flush	9/18/2022	23:01	Monterey	309-MSD-04	San Carlos	Nitrate	0.7	2.25	mg-N/L
First Flush	9/18/2022	23:45	Monterey	309-MSD-04	San Carlos	Orthophosphate	ND	0.12	mg-P/L
First Flush	9/18/2022	23:01	Monterey	309-MSD-04	San Carlos	Orthophosphate	0.32	0.12	mg-P/L



First Flush	9/18/2022	23:45	Monterey	309-MSD-04	San Carlos	Potassium	3	20	mg/L
First Flush	9/18/2022	23:01	Monterey	309-MSD-04	San Carlos	Potassium	1.8	20	mg/L
First Flush	9/18/2022	23:45	Monterey	309-MSD-04	San Carlos	Surfactants	0.57	0.2	mg/L
First Flush	9/18/2022	23:01	Monterey	309-MSD-04	San Carlos	Surfactants	0.76	0.2	mg/L
First Flush	9/18/2022	23:45	Monterey	309-MSD-04	San Carlos	Total Suspended Solids	75	500	mg/L
First Flush	9/18/2022	23:01	Monterey	309-MSD-04	San Carlos	Total Suspended Solids	8	500	mg/L
First Flush	9/18/2022	23:45	Monterey	309-MSD-04	San Carlos	Turbidity	10	25	NTU
First Flush	9/18/2022	23:01	Monterey	309-MSD-04	San Carlos	Turbidity	23	25	NTU
First Flush	9/18/2022	23:45	Monterey	309-MSD-04	San Carlos	Urea	158	NA	mg-N/L
First Flush	9/18/2022	23:01	Monterey	309-MSD-04	San Carlos	Urea	116	NA	mg-N/L
First Flush	9/18/2022	23:45	Monterey	309-MSD-04	San Carlos	Zinc	59	200	µg/L
First Flush	9/18/2022	23:01	Monterey	309-MSD-04	San Carlos	Zinc	105	200	µg/L
First Flush	9/18/2022	22:32	Monterey	309-MSD-05	Steinbeck	Ammonia	1.22	50	mg/L
First Flush	9/18/2022	21:59	Monterey	309-MSD-05	Steinbeck	Ammonia	1.3	50	mg-N/L
First Flush	9/18/2022	22:32	Monterey	309-MSD-05	Steinbeck	Color	100	500	Color Units
First Flush	9/18/2022	21:59	Monterey	309-MSD-05	Steinbeck	Color	100	500	Color Units
First Flush	9/18/2022	22:32	Monterey	309-MSD-05	Steinbeck	Copper	49	30	µg/L
First Flush	9/18/2022	21:59	Monterey	309-MSD-05	Steinbeck	Copper	53	30	µg/L
First Flush	9/18/2022	22:32	Monterey	309-MSD-05	Steinbeck	E. coli	21870	235	MPN/100 mL
First Flush	9/18/2022	21:59	Monterey	309-MSD-05	Steinbeck	E. coli	72700	235	MPN/100 mL
First Flush	9/18/2022	22:32	Monterey	309-MSD-05	Steinbeck	Enterococcus	155310	104	MPN/100 mL

First Flush	9/18/2022	21:59	Monterey	309-MSD-05	Steinbeck	Enterococcus	241960	104	MPN/100 mL
First Flush	9/18/2022	22:32	Monterey	309-MSD-05	Steinbeck	Hardness	27	2000	mg/L
First Flush	9/18/2022	21:59	Monterey	309-MSD-05	Steinbeck	Hardness	36	2000	mg/L
First Flush	9/18/2022	22:32	Monterey	309-MSD-05	Steinbeck	Lead	2.3	30	µg/L
First Flush	9/18/2022	21:59	Monterey	309-MSD-05	Steinbeck	Lead	2	30	µg/L
First Flush	9/18/2022	22:32	Monterey	309-MSD-05	Steinbeck	Nitrate	0.2	2.25	mg-N/L
First Flush	9/18/2022	21:59	Monterey	309-MSD-05	Steinbeck	Nitrate	0.6	2.25	mg-N/L
First Flush	9/18/2022	22:32	Monterey	309-MSD-05	Steinbeck	Orthophosphate	0.75	0.12	mg-P/L
First Flush	9/18/2022	21:59	Monterey	309-MSD-05	Steinbeck	Orthophosphate	1.07	0.12	mg-P/L
First Flush	9/18/2022	22:32	Monterey	309-MSD-05	Steinbeck	Potassium	4	20	mg/L
First Flush	9/18/2022	21:59	Monterey	309-MSD-05	Steinbeck	Potassium	5.3	20	mg/L
First Flush	9/18/2022	22:32	Monterey	309-MSD-05	Steinbeck	Surfactants	1.92	0.2	mg/L
First Flush	9/18/2022	21:59	Monterey	309-MSD-05	Steinbeck	Surfactants	1.6	0.2	mg/L
First Flush	9/18/2022	22:32	Monterey	309-MSD-05	Steinbeck	Total Suspended Solids	59	500	mg/L
First Flush	9/18/2022	21:59	Monterey	309-MSD-05	Steinbeck	Total Suspended Solids	18	500	mg/L
First Flush	9/18/2022	22:32	Monterey	309-MSD-05	Steinbeck	Turbidity	22	25	NTU
First Flush	9/18/2022	21:59	Monterey	309-MSD-05	Steinbeck	Turbidity	17	25	NTU
First Flush	9/18/2022	22:32	Monterey	309-MSD-05	Steinbeck	Urea	825	NA	mg-N/L
First Flush	9/18/2022	21:59	Monterey	309-MSD-05	Steinbeck	Urea	1170	NA	mg-N/L
First Flush	9/18/2022	22:32	Monterey	309-MSD-05	Steinbeck	Zinc	171	200	µg/L
First Flush	9/18/2022	21:59	Monterey	309-MSD-05	Steinbeck	Zinc	183	200	µg/L

First Flush	11/1/2022	15:00	Monterey County	309-SASD-01	Boronda	Ammonia	0.53	50	mg/L
First Flush	11/1/2022	14:30	Monterey County	309-SASD-01	Boronda	Ammonia	0.57	50	mg-N/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01	Boronda	Color	700	500	Color Units
First Flush	11/1/2022	14:30	Monterey County	309-SASD-01	Boronda	Color	750	500	Color Units
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01	Boronda	Copper	49	30	µg/L
First Flush	11/1/2022	14:30	Monterey County	309-SASD-01	Boronda	Copper	46	30	µg/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01	Boronda	E. coli	48392	235	MPN/100 mL
First Flush	11/1/2022	14:30	Monterey County	309-SASD-01	Boronda	E. coli	19608	235	MPN/100 mL
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01	Boronda	Enterococcus	64880	104	MPN/100 mL
First Flush	11/1/2022	14:30	Monterey County	309-SASD-01	Boronda	Enterococcus	48392	104	MPN/100 mL
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01	Boronda	Hardness	154	2000	mg/L
First Flush	11/1/2022	14:30	Monterey County	309-SASD-01	Boronda	Hardness	138	2000	mg/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01	Boronda	Lead	24	30	µg/L
First Flush	11/1/2022	14:30	Monterey County	309-SASD-01	Boronda	Lead	24.1	30	µg/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01	Boronda	Nitrate	0.7	2.25	mg-N/L
First Flush	11/1/2022	14:30	Monterey County	309-SASD-01	Boronda	Nitrate	0.7	2.25	mg-N/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01	Boronda	Orthophosphate	0.42	0.12	mg-P/L
First Flush	11/1/2022	14:30	Monterey County	309-SASD-01	Boronda	Orthophosphate	0.45	0.12	mg-P/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01	Boronda	Potassium	14.8	20	mg/L
First Flush	11/1/2022	14:30	Monterey County	309-SASD-01	Boronda	Potassium	132	20	mg/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01	Boronda	Surfactants	0.22	0.2	mg/L
First Flush	11/1/2022	14:30	Monterey County	309-SASD-01	Boronda	Surfactants	0.2	0.2	mg/L

First Flush	11/1/2022	15:00	Monterey County	309-SASD-01	Boronda	Total Suspended Solids	1038	500	mg/L
First Flush	11/1/2022	14:30	Monterey County	309-SASD-01	Boronda	Total Suspended Solids	1224	500	mg/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01	Boronda	Turbidity	190	25	NTU
First Flush	11/1/2022	14:30	Monterey County	309-SASD-01	Boronda	Turbidity	210	25	NTU
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01	Boronda	Urea	392	NA	mg-N/L
First Flush	11/1/2022	14:30	Monterey County	309-SASD-01	Boronda	Urea	398	NA	mg-N/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01	Boronda	Zinc	281	200	µg/L
First Flush	11/1/2022	14:30	Monterey County	309-SASD-01	Boronda	Zinc	275	200	µg/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01 FB	Boronda Field Blank	Ammonia	ND	50	mg/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01 FB	Boronda Field Blank	Color	ND	500	Color Units
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01 FB	Boronda Field Blank	Copper	ND	30	µg/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01 FB	Boronda Field Blank	E. coli	<2	235	MPN/100 mL
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01 FB	Boronda Field Blank	Enterococcus	<2	104	MPN/100 mL
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01 FB	Boronda Field Blank	Hardness	ND	2000	mg/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01 FB	Boronda Field Blank	Lead	ND	30	µg/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01 FB	Boronda Field Blank	Nitrate	ND	2.25	mg-N/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01 FB	Boronda Field Blank	Orthophosphate	ND	0.12	mg-P/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01 FB	Boronda Field Blank	Potassium	ND	20	mg/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01 FB	Boronda Field Blank	Surfactants	ND	0.2	mg/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01 FB	Boronda Field Blank	Total Suspended Solids	ND	500	mg/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01 FB	Boronda Field Blank	Turbidity	0.2	25	NTU

First Flush	11/1/2022	15:00	Monterey County	309-SASD-01 FB	Boronda Field Blank	Urea	ND	NA	mg-N/L
First Flush	11/1/2022	15:00	Monterey County	309-SASD-01 FB	Boronda Field Blank	Zinc	ND	200	µg/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02	Las Palmas	Ammonia	0.35	50	mg/L
First Flush	11/1/2022	15:40	Monterey County	309-SASD-02	Las Palmas	Ammonia	0.37	50	mg-N/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02	Las Palmas	Color	325	500	Color Units
First Flush	11/1/2022	15:40	Monterey County	309-SASD-02	Las Palmas	Color	300	500	Color Units
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02	Las Palmas	Copper	10	30	µg/L
First Flush	11/1/2022	15:40	Monterey County	309-SASD-02	Las Palmas	Copper	12	30	µg/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02	Las Palmas	E. coli	17328	235	MPN/100 mL
First Flush	11/1/2022	15:40	Monterey County	309-SASD-02	Las Palmas	E. coli	39726	235	MPN/100 mL
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02	Las Palmas	Enterococcus	4718	104	MPN/100 mL
First Flush	11/1/2022	15:40	Monterey County	309-SASD-02	Las Palmas	Enterococcus	15402	104	MPN/100 mL
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02	Las Palmas	Hardness	58	2000	mg/L
First Flush	11/1/2022	15:40	Monterey County	309-SASD-02	Las Palmas	Hardness	59	2000	mg/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02	Las Palmas	Lead	0.8	30	µg/L
First Flush	11/1/2022	15:40	Monterey County	309-SASD-02	Las Palmas	Lead	1.2	30	µg/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02	Las Palmas	Nitrate	0.5	2.25	mg-N/L
First Flush	11/1/2022	15:40	Monterey County	309-SASD-02	Las Palmas	Nitrate	0.5	2.25	mg-N/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02	Las Palmas	Orthophosphate	0.5	0.12	mg-P/L
First Flush	11/1/2022	15:40	Monterey County	309-SASD-02	Las Palmas	Orthophosphate	0.47	0.12	mg-P/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02	Las Palmas	Potassium	4.4	20	mg/L
First Flush	11/1/2022	15:40	Monterey County	309-SASD-02	Las Palmas	Potassium	4.4	20	mg/L

First Flush	11/1/2022	16:10	Monterey County	309-SASD-02	Las Palmas	Surfactants	1.02	0.2	mg/L
First Flush	11/1/2022	15:40	Monterey County	309-SASD-02	Las Palmas	Surfactants	1.12	0.2	mg/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02	Las Palmas	Total Suspended Solids	17	500	mg/L
First Flush	11/1/2022	15:40	Monterey County	309-SASD-02	Las Palmas	Total Suspended Solids	28	500	mg/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02	Las Palmas	Turbidity	16	25	NTU
First Flush	11/1/2022	15:40	Monterey County	309-SASD-02	Las Palmas	Turbidity	24	25	NTU
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02	Las Palmas	Urea	287	NA	mg-N/L
First Flush	11/1/2022	15:40	Monterey County	309-SASD-02	Las Palmas	Urea	260	NA	mg-N/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02	Las Palmas	Zinc	74	200	µg/L
First Flush	11/1/2022	15:40	Monterey County	309-SASD-02	Las Palmas	Zinc	92	200	µg/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02 D	Las Palmas Duplicate	Ammonia	0.35	50	mg/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02 D	Las Palmas Duplicate	Color	375	500	Color Units
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02 D	Las Palmas Duplicate	Copper	10	30	µg/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02 D	Las Palmas Duplicate	E. coli	16328	235	MPN/100 mL
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02 D	Las Palmas Duplicate	Enterococcus	8212	104	MPN/100 mL
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02 D	Las Palmas Duplicate	Hardness	58	2000	mg/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02 D	Las Palmas Duplicate	Lead	0.8	30	µg/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02 D	Las Palmas Duplicate	Nitrate	0.5	2.25	mg-N/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02 D	Las Palmas Duplicate	Orthophosphate	0.5	0.12	mg-P/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02 D	Las Palmas Duplicate	Potassium	4.4	20	mg/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02 D	Las Palmas Duplicate	Surfactants	1.13	0.2	mg/L

First Flush	11/1/2022	16:10	Monterey County	309-SASD-02 D	Las Palmas Duplicate	Total Suspended Solids	17	500	mg/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02 D	Las Palmas Duplicate	Turbidity	16	25	NTU
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02 D	Las Palmas Duplicate	Urea	291	NA	mg-N/L
First Flush	11/1/2022	16:10	Monterey County	309-SASD-02 D	Las Palmas Duplicate	Zinc	86	200	µg/L
First Flush	9/18/2022	22:36	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Ammonia	0.19	50	mg/L
First Flush	9/18/2022	22:06	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Ammonia	0.58	50	mg-N/L
First Flush	9/18/2022	22:36	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Color	75	500	Color Units
First Flush	9/18/2022	22:06	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Color	125	500	Color Units
First Flush	9/18/2022	22:36	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Copper	47	30	µg/L
First Flush	9/18/2022	22:06	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Copper	24	30	µg/L
First Flush	9/18/2022	22:36	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	E. coli	43520	235	MPN/100 mL
First Flush	9/18/2022	22:06	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	E. coli	68670	235	MPN/100 mL
First Flush	9/18/2022	22:36	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Enterococcus	5730	104	MPN/100 mL
First Flush	9/18/2022	22:06	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Enterococcus	41060	104	MPN/100 mL
First Flush	9/18/2022	22:36	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Hardness	36	2000	mg/L
First Flush	9/18/2022	22:06	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Hardness	64	2000	mg/L

First Flush	9/18/2022	22:36	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Lead	21.1	30	µg/L
First Flush	9/18/2022	22:06	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Lead	15	30	µg/L
First Flush	9/18/2022	22:36	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Nitrate	0.2	2.25	mg-N/L
First Flush	9/18/2022	22:06	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Nitrate	0.36	2.25	mg-N/L
First Flush	9/18/2022	22:36	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Orthophosphate	ND	0.12	mg-P/L
First Flush	9/18/2022	22:06	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Orthophosphate	0.48	0.12	mg-P/L
First Flush	9/18/2022	22:36	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Potassium	3.5	20	mg/L
First Flush	9/18/2022	22:06	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Potassium	5.4	20	mg/L
First Flush	9/18/2022	22:36	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Surfactants	0.72	0.2	mg/L
First Flush	9/18/2022	22:06	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Surfactants	1.04	0.2	mg/L
First Flush	9/18/2022	22:36	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Total Suspended Solids	36	500	mg/L
First Flush	9/18/2022	22:06	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Total Suspended Solids	27	500	mg/L
First Flush	9/18/2022	22:36	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Turbidity	43	25	NTU
First Flush	9/18/2022	22:06	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Turbidity	53	25	NTU



First Flush	9/18/2022	22:36	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Urea	106	NA	mg-N/L
First Flush	9/18/2022	22:06	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Urea	240	NA	mg-N/L
First Flush	9/18/2022	22:36	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Zinc	224	200	µg/L
First Flush	9/18/2022	22:06	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Zinc	87	200	µg/L
First Flush	9/18/2022	21:55	Pacific Grove	309-CENTR-31	Greenwood Park	Ammonia	0.65	50	mg/L
First Flush	9/18/2022	21:25	Pacific Grove	309-CENTR-31	Greenwood Park	Ammonia	0.38	50	mg-N/L
First Flush	9/18/2022	21:55	Pacific Grove	309-CENTR-31	Greenwood Park	Color	150	500	Color Units
First Flush	9/18/2022	21:25	Pacific Grove	309-CENTR-31	Greenwood Park	Color	150	500	Color Units
First Flush	9/18/2022	21:55	Pacific Grove	309-CENTR-31	Greenwood Park	Copper	28	30	µg/L
First Flush	9/18/2022	21:25	Pacific Grove	309-CENTR-31	Greenwood Park	Copper	21	30	µg/L
First Flush	9/18/2022	21:55	Pacific Grove	309-CENTR-31	Greenwood Park	E. coli	173290	235	MPN/100 mL
First Flush	9/18/2022	21:25	Pacific Grove	309-CENTR-31	Greenwood Park	E. coli	155310	235	MPN/100 mL
First Flush	9/18/2022	21:55	Pacific Grove	309-CENTR-31	Greenwood Park	Enterococcus	111990	104	MPN/100 mL
First Flush	9/18/2022	21:25	Pacific Grove	309-CENTR-31	Greenwood Park	Enterococcus	48392	104	MPN/100 mL
First Flush	9/18/2022	21:55	Pacific Grove	309-CENTR-31	Greenwood Park	Hardness	38	2000	mg/L
First Flush	9/18/2022	21:25	Pacific Grove	309-CENTR-31	Greenwood Park	Hardness	25	2000	mg/L
First Flush	9/18/2022	21:55	Pacific Grove	309-CENTR-31	Greenwood Park	Lead	3.3	30	µg/L
First Flush	9/18/2022	21:25	Pacific Grove	309-CENTR-31	Greenwood Park	Lead	0.1	30	µg/L
First Flush	9/18/2022	21:55	Pacific Grove	309-CENTR-31	Greenwood Park	Nitrate	0.3	2.25	mg-N/L
First Flush	9/18/2022	21:25	Pacific Grove	309-CENTR-31	Greenwood Park	Nitrate	0.2	2.25	mg-N/L

First Flush	9/18/2022	21:55	Pacific Grove	309-CENTR-3 1	Greenwood Park	Orthophosphate	0.55	0.12	mg-P/L
First Flush	9/18/2022	21:25	Pacific Grove	309-CENTR-3 1	Greenwood Park	Orthophosphate	0.34	0.12	mg-P/L
First Flush	9/18/2022	21:55	Pacific Grove	309-CENTR-3 1	Greenwood Park	Potassium	7.2	20	mg/L
First Flush	9/18/2022	21:25	Pacific Grove	309-CENTR-3 1	Greenwood Park	Potassium	5.4	20	mg/L
First Flush	9/18/2022	21:55	Pacific Grove	309-CENTR-3 1	Greenwood Park	Surfactants	0.76	0.2	mg/L
First Flush	9/18/2022	21:25	Pacific Grove	309-CENTR-3 1	Greenwood Park	Surfactants	0.5	0.2	mg/L
First Flush	9/18/2022	21:55	Pacific Grove	309-CENTR-3 1	Greenwood Park	Total Suspended Solids	32	500	mg/L
First Flush	9/18/2022	21:25	Pacific Grove	309-CENTR-3 1	Greenwood Park	Total Suspended Solids	42	500	mg/L
First Flush	9/18/2022	21:55	Pacific Grove	309-CENTR-3 1	Greenwood Park	Turbidity	18	25	NTU
First Flush	9/18/2022	21:25	Pacific Grove	309-CENTR-3 1	Greenwood Park	Turbidity	21	25	NTU
First Flush	9/18/2022	21:55	Pacific Grove	309-CENTR-3 1	Greenwood Park	Urea	344	NA	mg-N/L
First Flush	9/18/2022	21:25	Pacific Grove	309-CENTR-3 1	Greenwood Park	Urea	271	NA	mg-N/L
First Flush	9/18/2022	21:55	Pacific Grove	309-CENTR-3 1	Greenwood Park	Zinc	113	200	µg/L
First Flush	9/18/2022	21:25	Pacific Grove	309-CENTR-3 1	Greenwood Park	Zinc	95	200	µg/L
First Flush	9/18/2022	22:38	Pacific Grove	309-PGSD-01	8th Street	Ammonia	0.2	50	mg/L
First Flush	9/18/2022	22:18	Pacific Grove	309-PGSD-01	8th Street	Ammonia	0.26	50	mg-N/L
First Flush	9/18/2022	22:38	Pacific Grove	309-PGSD-01	8th Street	Color	150	500	Color Units
First Flush	9/18/2022	22:18	Pacific Grove	309-PGSD-01	8th Street	Color	200	500	Color Units
First Flush	9/18/2022	22:38	Pacific Grove	309-PGSD-01	8th Street	Copper	39	30	µg/L
First Flush	9/18/2022	22:18	Pacific Grove	309-PGSD-01	8th Street	Copper	35	30	µg/L
First Flush	9/18/2022	22:38	Pacific Grove	309-PGSD-01	8th Street	E. coli	22470	235	MPN/100 mL

First Flush	9/18/2022	22:18	Pacific Grove	309-PGSD-01	8th Street	E. coli	77010	235	MPN/100 mL
First Flush	9/18/2022	22:38	Pacific Grove	309-PGSD-01	8th Street	Enterococcus	41060	104	MPN/100 mL
First Flush	9/18/2022	22:18	Pacific Grove	309-PGSD-01	8th Street	Enterococcus	36090	104	MPN/100 mL
First Flush	9/18/2022	22:38	Pacific Grove	309-PGSD-01	8th Street	Hardness	45	2000	mg/L
First Flush	9/18/2022	22:18	Pacific Grove	309-PGSD-01	8th Street	Hardness	58	2000	mg/L
First Flush	9/18/2022	22:38	Pacific Grove	309-PGSD-01	8th Street	Lead	9.6	30	µg/L
First Flush	9/18/2022	22:18	Pacific Grove	309-PGSD-01	8th Street	Lead	3.3	30	µg/L
First Flush	9/18/2022	22:38	Pacific Grove	309-PGSD-01	8th Street	Nitrate	0.3	2.25	mg-N/L
First Flush	9/18/2022	22:18	Pacific Grove	309-PGSD-01	8th Street	Nitrate	0.5	2.25	mg-N/L
First Flush	9/18/2022	22:38	Pacific Grove	309-PGSD-01	8th Street	Orthophosphate	0.41	0.12	mg-P/L
First Flush	9/18/2022	22:18	Pacific Grove	309-PGSD-01	8th Street	Orthophosphate	0.44	0.12	mg-P/L
First Flush	9/18/2022	22:38	Pacific Grove	309-PGSD-01	8th Street	Potassium	6.2	20	mg/L
First Flush	9/18/2022	22:18	Pacific Grove	309-PGSD-01	8th Street	Potassium	7	20	mg/L
First Flush	9/18/2022	22:38	Pacific Grove	309-PGSD-01	8th Street	Surfactants	0.77	0.2	mg/L
First Flush	9/18/2022	22:18	Pacific Grove	309-PGSD-01	8th Street	Surfactants	0.94	0.2	mg/L
First Flush	9/18/2022	22:38	Pacific Grove	309-PGSD-01	8th Street	Total Suspended Solids	58	500	mg/L
First Flush	9/18/2022	22:18	Pacific Grove	309-PGSD-01	8th Street	Total Suspended Solids	17	500	mg/L
First Flush	9/18/2022	22:38	Pacific Grove	309-PGSD-01	8th Street	Turbidity	16	25	NTU
First Flush	9/18/2022	22:18	Pacific Grove	309-PGSD-01	8th Street	Turbidity	11	25	NTU
First Flush	9/18/2022	22:38	Pacific Grove	309-PGSD-01	8th Street	Urea	214	NA	mg-N/L
First Flush	9/18/2022	22:18	Pacific Grove	309-PGSD-01	8th Street	Urea	216	NA	mg-N/L

First Flush	9/18/2022	22:38	Pacific Grove	309-PGSD-01	8th Street	Zinc	102	200	µg/L
First Flush	9/18/2022	22:18	Pacific Grove	309-PGSD-01	8th Street	Zinc	90	200	µg/L
First Flush	9/19/2022	8:15	Pacific Grove	309-PGSD-01 RW	8th Street Receiving Water	Ammonia	ND	50	mg/L
First Flush	9/19/2022	8:15	Pacific Grove	309-PGSD-01 RW	8th Street Receiving Water	Color	15	500	Color Units
First Flush	9/19/2022	8:15	Pacific Grove	309-PGSD-01 RW	8th Street Receiving Water	Copper	ND	30	µg/L
First Flush	9/19/2022	8:15	Pacific Grove	309-PGSD-01 RW	8th Street Receiving Water	E. coli	388	235	MPN/100 mL
First Flush	9/19/2022	8:15	Pacific Grove	309-PGSD-01 RW	8th Street Receiving Water	Enterococcus	1187	104	MPN/100 mL
First Flush	9/19/2022	8:15	Pacific Grove	309-PGSD-01 RW	8th Street Receiving Water	Hardness	564	2000	mg/L
First Flush	9/19/2022	8:15	Pacific Grove	309-PGSD-01 RW	8th Street Receiving Water	Lead	0.1	30	µg/L
First Flush	9/19/2022	8:15	Pacific Grove	309-PGSD-01 RW	8th Street Receiving Water	Nitrate	ND	2.25	mg-N/L
First Flush	9/19/2022	8:15	Pacific Grove	309-PGSD-01 RW	8th Street Receiving Water	Orthophosphate	ND	0.12	mg-P/L
First Flush	9/19/2022	8:15	Pacific Grove	309-PGSD-01 RW	8th Street Receiving Water	Potassium	390	20	mg/L
First Flush	9/19/2022	8:15	Pacific Grove	309-PGSD-01 RW	8th Street Receiving Water	Surfactants	0.2	0.2	mg/L
First Flush	9/19/2022	8:15	Pacific Grove	309-PGSD-01 RW	8th Street Receiving Water	Total Suspended Solids	14	500	mg/L
First Flush	9/19/2022	8:15	Pacific Grove	309-PGSD-01 RW	8th Street Receiving Water	Turbidity	1.1	25	NTU
First Flush	9/19/2022	8:15	Pacific Grove	309-PGSD-01 RW	8th Street Receiving Water	Urea	23	NA	mg-N/L

First Flush	9/19/2022	8:15	Pacific Grove	309-PGSD-01 RW	8th Street Receiving Water	Zinc	ND	200	µg/L
First Flush	9/18/2022	22:20	Pacific Grove	309-PGSD-03	Lover's Point	Ammonia	0.49	50	mg/L
First Flush	9/18/2022	21:50	Pacific Grove	309-PGSD-03	Lover's Point	Ammonia	0.4	50	mg-N/L
First Flush	9/18/2022	22:20	Pacific Grove	309-PGSD-03	Lover's Point	Color	150	500	Color Units
First Flush	9/18/2022	21:50	Pacific Grove	309-PGSD-03	Lover's Point	Color	150	500	Color Units
First Flush	9/18/2022	22:20	Pacific Grove	309-PGSD-03	Lover's Point	Copper	36	30	µg/L
First Flush	9/18/2022	21:50	Pacific Grove	309-PGSD-03	Lover's Point	Copper	28	30	µg/L
First Flush	9/18/2022	22:20	Pacific Grove	309-PGSD-03	Lover's Point	E. coli	30760	235	MPN/100 mL
First Flush	9/18/2022	21:50	Pacific Grove	309-PGSD-03	Lover's Point	E. coli	36540	235	MPN/100 mL
First Flush	9/18/2022	22:20	Pacific Grove	309-PGSD-03	Lover's Point	Enterococcus	38730	104	MPN/100 mL
First Flush	9/18/2022	21:50	Pacific Grove	309-PGSD-03	Lover's Point	Enterococcus	41060	104	MPN/100 mL
First Flush	9/18/2022	22:20	Pacific Grove	309-PGSD-03	Lover's Point	Hardness	51	2000	mg/L
First Flush	9/18/2022	21:50	Pacific Grove	309-PGSD-03	Lover's Point	Hardness	36	2000	mg/L
First Flush	9/18/2022	22:20	Pacific Grove	309-PGSD-03	Lover's Point	Lead	2.1	30	µg/L
First Flush	9/18/2022	21:50	Pacific Grove	309-PGSD-03	Lover's Point	Lead	0.8	30	µg/L
First Flush	9/18/2022	22:20	Pacific Grove	309-PGSD-03	Lover's Point	Nitrate	0.4	2.25	mg-N/L
First Flush	9/18/2022	21:50	Pacific Grove	309-PGSD-03	Lover's Point	Nitrate	0.3	2.25	mg-N/L
First Flush	9/18/2022	22:20	Pacific Grove	309-PGSD-03	Lover's Point	Orthophosphate	0.51	0.12	mg-P/L
First Flush	9/18/2022	21:50	Pacific Grove	309-PGSD-03	Lover's Point	Orthophosphate	0.45	0.12	mg-P/L
First Flush	9/18/2022	22:20	Pacific Grove	309-PGSD-03	Lover's Point	Potassium	7.5	20	mg/L
First Flush	9/18/2022	21:50	Pacific Grove	309-PGSD-03	Lover's Point	Potassium	6.9	20	mg/L
First Flush	9/18/2022	22:20	Pacific Grove	309-PGSD-03	Lover's Point	Surfactants	0.74	0.2	mg/L

First Flush	9/18/2022	21:50	Pacific Grove	309-PGSD-03	Lover's Point	Surfactants	0.78	0.2	mg/L
First Flush	9/18/2022	22:20	Pacific Grove	309-PGSD-03	Lover's Point	Total Suspended Solids	15	500	mg/L
First Flush	9/18/2022	21:50	Pacific Grove	309-PGSD-03	Lover's Point	Total Suspended Solids	24	500	mg/L
First Flush	9/18/2022	22:20	Pacific Grove	309-PGSD-03	Lover's Point	Turbidity	8.5	25	NTU
First Flush	9/18/2022	21:50	Pacific Grove	309-PGSD-03	Lover's Point	Turbidity	12	25	NTU
First Flush	9/18/2022	22:20	Pacific Grove	309-PGSD-03	Lover's Point	Urea	251	NA	mg-N/L
First Flush	9/18/2022	21:50	Pacific Grove	309-PGSD-03	Lover's Point	Urea	218	NA	mg-N/L
First Flush	9/18/2022	22:20	Pacific Grove	309-PGSD-03	Lover's Point	Zinc	92	200	µg/L
First Flush	9/18/2022	21:50	Pacific Grove	309-PGSD-03	Lover's Point	Zinc	80	200	µg/L
First Flush	9/18/2022	22:55	Pacific Grove	309-PGSD-04	Pico	Ammonia	0.33	50	mg/L
First Flush	9/18/2022	22:25	Pacific Grove	309-PGSD-04	Pico	Ammonia	0.42	50	mg-N/L
First Flush	9/18/2022	22:55	Pacific Grove	309-PGSD-04	Pico	Color	150	500	Color Units
First Flush	9/18/2022	22:25	Pacific Grove	309-PGSD-04	Pico	Color	150	500	Color Units
First Flush	9/18/2022	22:55	Pacific Grove	309-PGSD-04	Pico	Copper	41	30	µg/L
First Flush	9/18/2022	22:25	Pacific Grove	309-PGSD-04	Pico	Copper	37	30	µg/L
First Flush	9/18/2022	22:55	Pacific Grove	309-PGSD-04	Pico	E. coli	36540	235	MPN/100 mL
First Flush	9/18/2022	22:25	Pacific Grove	309-PGSD-04	Pico	E. coli	46110	235	MPN/100 mL
First Flush	9/18/2022	22:55	Pacific Grove	309-PGSD-04	Pico	Enterococcus	23820	104	MPN/100 mL
First Flush	9/18/2022	22:25	Pacific Grove	309-PGSD-04	Pico	Enterococcus	36540	104	MPN/100 mL
First Flush	9/18/2022	22:55	Pacific Grove	309-PGSD-04	Pico	Hardness	60	2000	mg/L
First Flush	9/18/2022	22:25	Pacific Grove	309-PGSD-04	Pico	Hardness	53	2000	mg/L

First Flush	9/18/2022	22:55	Pacific Grove	309-PGSD-04	Pico	Lead	1.9	30	µg/L
First Flush	9/18/2022	22:25	Pacific Grove	309-PGSD-04	Pico	Lead	2.4	30	µg/L
First Flush	9/18/2022	22:55	Pacific Grove	309-PGSD-04	Pico	Nitrate	0.3	2.25	mg-N/L
First Flush	9/18/2022	22:25	Pacific Grove	309-PGSD-04	Pico	Nitrate	0.3	2.25	mg-N/L
First Flush	9/18/2022	22:55	Pacific Grove	309-PGSD-04	Pico	Orthophosphate	0.45	0.12	mg-P/L
First Flush	9/18/2022	22:25	Pacific Grove	309-PGSD-04	Pico	Orthophosphate	0.5	0.12	mg-P/L
First Flush	9/18/2022	22:55	Pacific Grove	309-PGSD-04	Pico	Potassium	9.8	20	mg/L
First Flush	9/18/2022	22:25	Pacific Grove	309-PGSD-04	Pico	Potassium	9.9	20	mg/L
First Flush	9/18/2022	22:55	Pacific Grove	309-PGSD-04	Pico	Surfactants	0.9	0.2	mg/L
First Flush	9/18/2022	22:25	Pacific Grove	309-PGSD-04	Pico	Surfactants	0.91	0.2	mg/L
First Flush	9/18/2022	22:55	Pacific Grove	309-PGSD-04	Pico	Total Suspended Solids	12	500	mg/L
First Flush	9/18/2022	22:25	Pacific Grove	309-PGSD-04	Pico	Total Suspended Solids	16	500	mg/L
First Flush	9/18/2022	22:55	Pacific Grove	309-PGSD-04	Pico	Turbidity	7.2	25	NTU
First Flush	9/18/2022	22:25	Pacific Grove	309-PGSD-04	Pico	Turbidity	9.6	25	NTU
First Flush	9/18/2022	22:55	Pacific Grove	309-PGSD-04	Pico	Urea	220	NA	mg-N/L
First Flush	9/18/2022	22:25	Pacific Grove	309-PGSD-04	Pico	Urea	221	NA	mg-N/L
First Flush	9/18/2022	22:55	Pacific Grove	309-PGSD-04	Pico	Zinc	76	200	µg/L
First Flush	9/18/2022	22:25	Pacific Grove	309-PGSD-04	Pico	Zinc	78	200	µg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15	Sea Palm	Ammonia	0.25	50	mg/L
First Flush	9/18/2022	21:30	Pacific Grove	309-PGSD-15	Sea Palm	Ammonia	0.18	50	mg-N/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15	Sea Palm	Color	100	500	Color Units

First Flush	9/18/2022	21:30	Pacific Grove	309-PGSD-15	Sea Palm	Color	15	500	Color Units
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15	Sea Palm	Copper	17	30	µg/L
First Flush	9/18/2022	21:30	Pacific Grove	309-PGSD-15	Sea Palm	Copper	20	30	µg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15	Sea Palm	E. coli	15650	235	MPN/100 mL
First Flush	9/18/2022	21:30	Pacific Grove	309-PGSD-15	Sea Palm	E. coli	17220	235	MPN/100 mL
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15	Sea Palm	Enterococcus	34480	104	MPN/100 mL
First Flush	9/18/2022	21:30	Pacific Grove	309-PGSD-15	Sea Palm	Enterococcus	34480	104	MPN/100 mL
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15	Sea Palm	Hardness	50	2000	mg/L
First Flush	9/18/2022	21:30	Pacific Grove	309-PGSD-15	Sea Palm	Hardness	28	2000	mg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15	Sea Palm	Lead	0.9	30	µg/L
First Flush	9/18/2022	21:30	Pacific Grove	309-PGSD-15	Sea Palm	Lead	2.4	30	µg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15	Sea Palm	Nitrate	0.6	2.25	mg-N/L
First Flush	9/18/2022	21:30	Pacific Grove	309-PGSD-15	Sea Palm	Nitrate	0.2	2.25	mg-N/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15	Sea Palm	Orthophosphate	0.41	0.12	mg-P/L
First Flush	9/18/2022	21:30	Pacific Grove	309-PGSD-15	Sea Palm	Orthophosphate	0.28	0.12	mg-P/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15	Sea Palm	Potassium	6.2	20	mg/L
First Flush	9/18/2022	21:30	Pacific Grove	309-PGSD-15	Sea Palm	Potassium	4	20	mg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15	Sea Palm	Surfactants	0.79	0.2	mg/L
First Flush	9/18/2022	21:30	Pacific Grove	309-PGSD-15	Sea Palm	Surfactants	0.65	0.2	mg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15	Sea Palm	Total Suspended Solids	10	500	mg/L
First Flush	9/18/2022	21:30	Pacific Grove	309-PGSD-15	Sea Palm	Total Suspended Solids	35	500	mg/L



First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15	Sea Palm	Turbidity	8.3	25	NTU
First Flush	9/18/2022	21:30	Pacific Grove	309-PGSD-15	Sea Palm	Turbidity	11	25	NTU
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15	Sea Palm	Urea	212	NA	mg-N/L
First Flush	9/18/2022	21:30	Pacific Grove	309-PGSD-15	Sea Palm	Urea	165	NA	mg-N/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15	Sea Palm	Zinc	54	200	µg/L
First Flush	9/18/2022	21:30	Pacific Grove	309-PGSD-15	Sea Palm	Zinc	62	200	µg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15 D	Sea Palm Duplicate	Ammonia	0.17	50	mg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15 D	Sea Palm Duplicate	Color	150	500	Color Units
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15 D	Sea Palm Duplicate	Copper	15	30	µg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15 D	Sea Palm Duplicate	E. coli	14500	235	MPN/100 mL
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15 D	Sea Palm Duplicate	Enterococcus	38730	104	MPN/100 mL
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15 D	Sea Palm Duplicate	Hardness	48	2000	mg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15 D	Sea Palm Duplicate	Lead	1.3	30	µg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15 D	Sea Palm Duplicate	Nitrate	0.5	2.25	mg-N/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15 D	Sea Palm Duplicate	Orthophosphate	0.42	0.12	mg-P/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15 D	Sea Palm Duplicate	Potassium	6.1	20	mg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15 D	Sea Palm Duplicate	Surfactants	0.58	0.2	mg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15 D	Sea Palm Duplicate	Total Suspended Solids	6	500	mg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15 D	Sea Palm Duplicate	Turbidity	8	25	NTU
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15 D	Sea Palm Duplicate	Urea	244	NA	mg-N/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15 D	Sea Palm Duplicate	Zinc	51	200	µg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15 FB	Sea Palm Field Blank	Ammonia	ND	50	mg/L

First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15 FB	Sea Palm Field Blank	Color	ND	500	Color Units
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15 FB	Sea Palm Field Blank	Copper	ND	30	µg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15 FB	Sea Palm Field Blank	E. coli	<2	235	MPN/100 mL
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15 FB	Sea Palm Field Blank	Enterococcus	<2	104	MPN/100 mL
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15 FB	Sea Palm Field Blank	Hardness	ND	2000	mg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15 FB	Sea Palm Field Blank	Lead	ND	30	µg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15 FB	Sea Palm Field Blank	Nitrate	ND	2.25	mg-N/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15 FB	Sea Palm Field Blank	Orthophosphate	ND	0.12	mg-P/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15 FB	Sea Palm Field Blank	Potassium	ND	20	mg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15 FB	Sea Palm Field Blank	Surfactants	ND	0.2	mg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15 FB	Sea Palm Field Blank	Total Suspended Solids	ND	500	mg/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15 FB	Sea Palm Field Blank	Turbidity	0.2	25	NTU
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15 FB	Sea Palm Field Blank	Urea	14	NA	mg-N/L
First Flush	9/18/2022	22:00	Pacific Grove	309-PGSD-15 FB	Sea Palm Field Blank	Zinc	ND	200	µg/L
First Flush	9/19/2022	8:40	Pacific Grove	309-PGSD-15 RW	Sea Palm Receiving Water	Ammonia	0.06	50	mg/L
First Flush	9/19/2022	8:40	Pacific Grove	309-PGSD-15 RW	Sea Palm Receiving Water	Color	20	500	Color Units
First Flush	9/19/2022	8:40	Pacific Grove	309-PGSD-15 RW	Sea Palm Receiving Water	Copper	ND	30	µg/L
First Flush	9/19/2022	8:40	Pacific Grove	309-PGSD-15 RW	Sea Palm Receiving Water	E. coli	1624	235	MPN/100 mL
First Flush	9/19/2022	8:40	Pacific Grove	309-PGSD-15 RW	Sea Palm Receiving Water	Enterococcus	1014	104	MPN/100 mL

First Flush	9/19/2022	8:40	Pacific Grove	309-PGSD-15 RW	Sea Palm Receiving Water	Hardness	590	2000	mg/L
First Flush	9/19/2022	8:40	Pacific Grove	309-PGSD-15 RW	Sea Palm Receiving Water	Lead	0.6	30	µg/L
First Flush	9/19/2022	8:40	Pacific Grove	309-PGSD-15 RW	Sea Palm Receiving Water	Nitrate	ND	2.25	mg-N/L
First Flush	9/19/2022	8:40	Pacific Grove	309-PGSD-15 RW	Sea Palm Receiving Water	Orthophosphate	ND	0.12	mg-P/L
First Flush	9/19/2022	8:40	Pacific Grove	309-PGSD-15 RW	Sea Palm Receiving Water	Potassium	404	20	mg/L
First Flush	9/19/2022	8:40	Pacific Grove	309-PGSD-15 RW	Sea Palm Receiving Water	Surfactants	0.11	0.2	mg/L
First Flush	9/19/2022	8:40	Pacific Grove	309-PGSD-15 RW	Sea Palm Receiving Water	Total Suspended Solids	78	500	mg/L
First Flush	9/19/2022	8:40	Pacific Grove	309-PGSD-15 RW	Sea Palm Receiving Water	Turbidity	12	25	NTU
First Flush	9/19/2022	8:40	Pacific Grove	309-PGSD-15 RW	Sea Palm Receiving Water	Urea	22	NA	mg-N/L
First Flush	9/19/2022	8:40	Pacific Grove	309-PGSD-15 RW	Sea Palm Receiving Water	Zinc	ND	200	µg/L
First Flush	9/18/2022	23:54	Seaside/Sand City	309-SSD-02	Bay Street	Ammonia	0.33	50	mg/L
First Flush	9/18/2022	23:30	Seaside/Sand City	309-SSD-02	Bay Street	Ammonia	0.24	50	mg-N/L
First Flush	9/18/2022	23:54	Seaside/Sand City	309-SSD-02	Bay Street	Color	100	500	Color Units
First Flush	9/18/2022	23:30	Seaside/Sand City	309-SSD-02	Bay Street	Color	100	500	Color Units
First Flush	9/18/2022	23:54	Seaside/Sand City	309-SSD-02	Bay Street	Copper	18	30	µg/L
First Flush	9/18/2022	23:30	Seaside/Sand City	309-SSD-02	Bay Street	Copper	19	30	µg/L
First Flush	9/18/2022	23:54	Seaside/Sand City	309-SSD-02	Bay Street	E. coli	39726	235	MPN/100 mL
First Flush	9/18/2022	23:30	Seaside/Sand City	309-SSD-02	Bay Street	E. coli	22398	235	MPN/100 mL

First Flush	9/18/2022	23:54	Seaside/Sand City	309-SSD-02	Bay Street	Enterococcus	34658	104	MPN/100 mL
First Flush	9/18/2022	23:30	Seaside/Sand City	309-SSD-02	Bay Street	Enterococcus	31062	104	MPN/100 mL
First Flush	9/18/2022	23:54	Seaside/Sand City	309-SSD-02	Bay Street	Hardness	25	2000	mg/L
First Flush	9/18/2022	23:30	Seaside/Sand City	309-SSD-02	Bay Street	Hardness	19	2000	mg/L
First Flush	9/18/2022	23:54	Seaside/Sand City	309-SSD-02	Bay Street	Lead	0.3	30	µg/L
First Flush	9/18/2022	23:30	Seaside/Sand City	309-SSD-02	Bay Street	Lead	6.6	30	µg/L
First Flush	9/18/2022	23:54	Seaside/Sand City	309-SSD-02	Bay Street	Nitrate	0.2	2.25	mg-N/L
First Flush	9/18/2022	23:30	Seaside/Sand City	309-SSD-02	Bay Street	Nitrate	0.3	2.25	mg-N/L
First Flush	9/18/2022	23:54	Seaside/Sand City	309-SSD-02	Bay Street	Orthophosphate	0.24	0.12	mg-P/L
First Flush	9/18/2022	23:30	Seaside/Sand City	309-SSD-02	Bay Street	Orthophosphate	0.24	0.12	mg-P/L
First Flush	9/18/2022	23:54	Seaside/Sand City	309-SSD-02	Bay Street	Potassium	3.1	20	mg/L
First Flush	9/18/2022	23:30	Seaside/Sand City	309-SSD-02	Bay Street	Potassium	3	20	mg/L
First Flush	9/18/2022	23:54	Seaside/Sand City	309-SSD-02	Bay Street	Surfactants	0.58	0.2	mg/L
First Flush	9/18/2022	23:30	Seaside/Sand City	309-SSD-02	Bay Street	Surfactants	0.44	0.2	mg/L
First Flush	9/18/2022	23:54	Seaside/Sand City	309-SSD-02	Bay Street	Total Suspended Solids	29	500	mg/L
First Flush	9/18/2022	23:30	Seaside/Sand City	309-SSD-02	Bay Street	Total Suspended Solids	47	500	mg/L
First Flush	9/18/2022	23:54	Seaside/Sand City	309-SSD-02	Bay Street	Turbidity	15	25	NTU
First Flush	9/18/2022	23:30	Seaside/Sand City	309-SSD-02	Bay Street	Turbidity	25	25	NTU
First Flush	9/18/2022	23:54	Seaside/Sand City	309-SSD-02	Bay Street	Urea	260	NA	mg-N/L
First Flush	9/18/2022	23:30	Seaside/Sand City	309-SSD-02	Bay Street	Urea	261	NA	mg-N/L
First Flush	9/18/2022	23:54	Seaside/Sand City	309-SSD-02	Bay Street	Zinc	87	200	µg/L

First Flush	9/18/2022	23:30	Seaside/Sand City	309-SSD-02	Bay Street	Zinc	98	200	µg/L
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Red highlight indicates that the water quality criteria was exceeded for the given analyte.

ND - Non-detect

NA - Not available