



2023 Dry Run & First Flush Monitoring Report



June 10, 2024

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Cover photo: Dry Run volunteers on September 16, 2023, near Fisherman's Wharf in Monterey at the Twins Outfall. Photo: Lindsay Brown/NOAA/CMSF

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Thank you to all our volunteers that assisted in 2023 for Dry Run and First Flush!

Glossary of Acronyms

Monterey Stormwater Education Alliance (Monterey SEA)

Monterey Bay National Marine Sanctuary (MBNMS)

Monterey Regional Stormwater Management Program (MRSWMP)

Area of Special Biological Significance (ASBS)

Total Maximum Daily Load (TMDL)

California Marine Sanctuary Foundation (CMSF)

Methylene Blue Active Substances (MBAS)

Water Quality Control Plan for the Central Coast Basin (Basin Plan)

Water Quality Objective (WQO)

Regional Water Quality Control Board (RWQCB)

Total suspended solids (TSS)

U.S. Environmental Protection Agency (U.S. EPA)

Central Coast Ambient Monitoring Program (CCAMP)

State Water Resources Control Board (SWRCB)

National Pollution Discharge Elimination System (NPDES)

Minimum Detection Limit (MDL)

Introduction



First Flush volunteer collecting stormwater at San Carlos Beach in Monterey. Photo: Chris Farmerie/First Flush volunteer

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. 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 Carmel and Monterey Bay regions 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 Area of Special Biological Significance (ASBS) Monitoring, Total Maximum Daily Load (TMDL) Monitoring, 303(d) Monitoring, or Receiving Water Monitoring which are completed by permittees individually or through regional programs.



Left: First Flush volunteers filling up sample bottles at Carmel Beach. Photo: Lindsay Brown/NOAA/CMSF
Right: First Flush volunteers having a great time at Las Palmas in Salinas. Photo: Jazmine Mejia-Muñoz/NOAA/CMSF

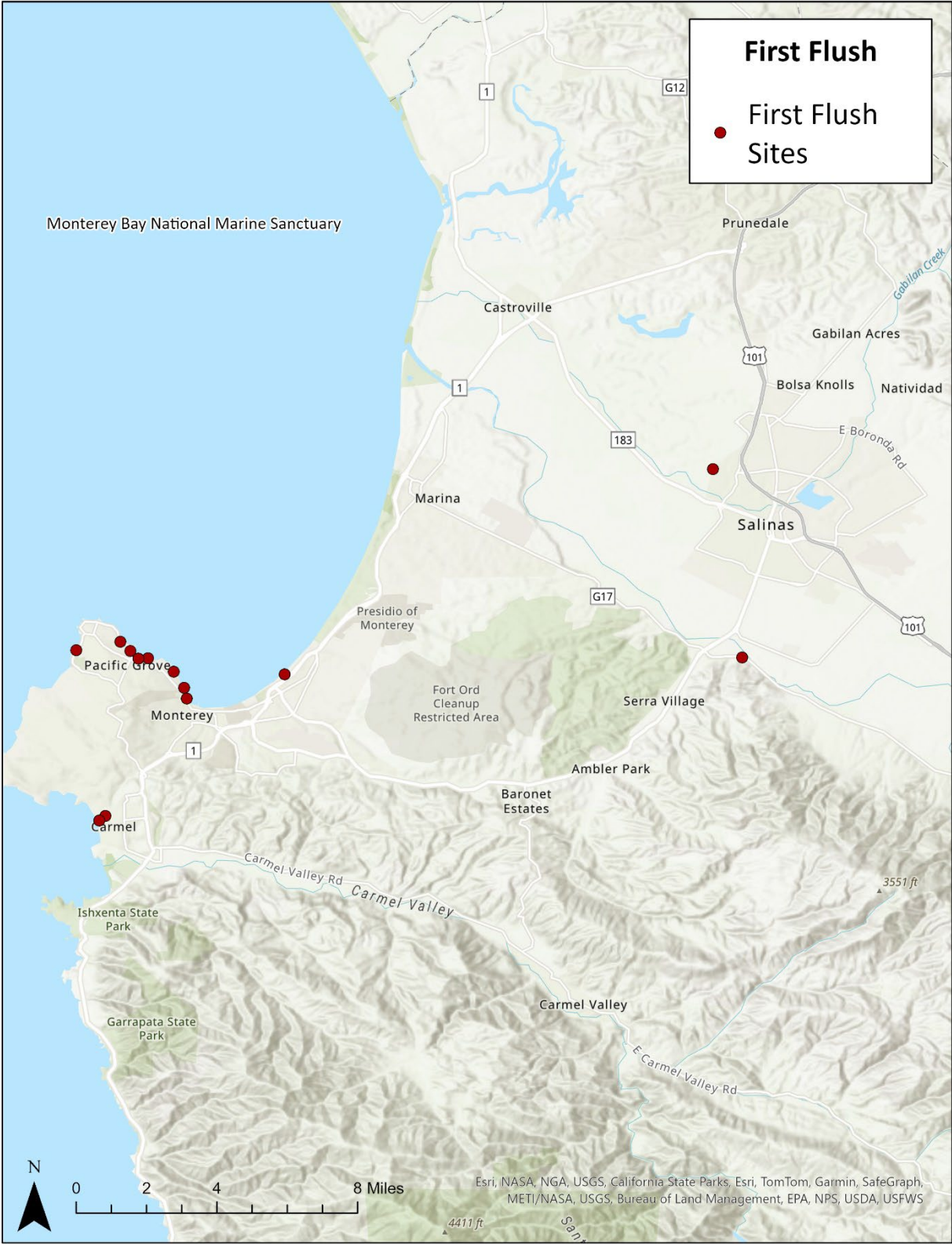


Figure 1: Sites monitored during the MRSWMP 2023 First Flush.

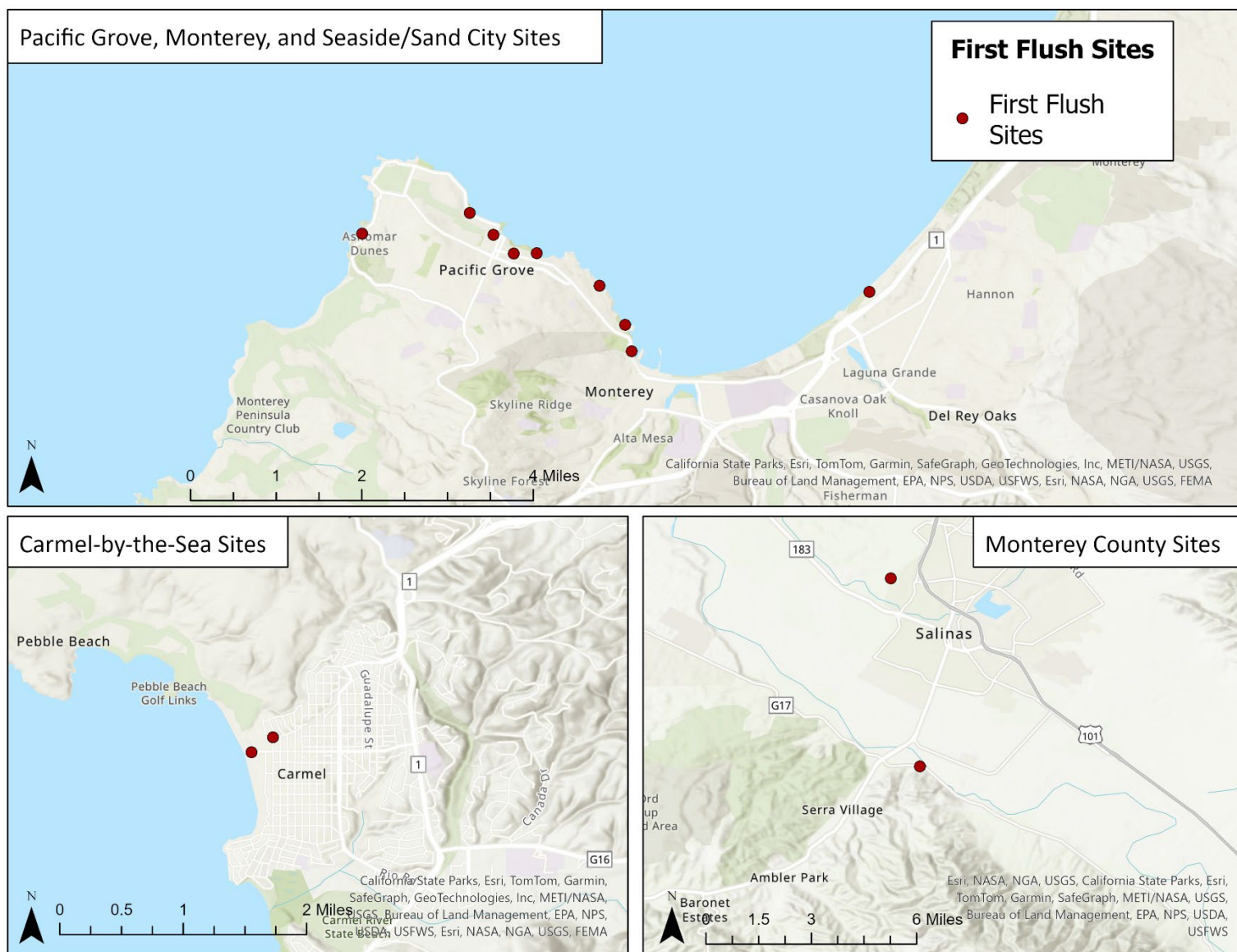


Figure 2: Sites monitored by region during the MRSWMP 2023 First Flush.

Methods

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 2023, Dry Run was conducted by MBNMS/California Marine Sanctuary Foundation (CMSF) staff on September 15 and by volunteers on September 16 at select sites.

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 CaCO₃), potassium, and turbidity.

Once Dry Run has been completed, the wait for the first major rainstorm begins. Waiting for a storm large enough to conduct First Flush sampling can take weeks or sometimes months. Volunteers are mobilized for 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 CaCO₃), potassium, and turbidity. Samples and field equipment are delivered immediately to the monitoring coordinator once sample collection is complete. After 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, 4th 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 4th 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 2023 within the city of Pacific Grove's diversion

system boundaries were 8th Street, Greenwood Park, and Lover's Point. During dry weather, 8th 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; and 8th 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 WQOs and CCAMP Action Levels are established for receiving water 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 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.

Table 1: Receiving Water Quality Objectives

Parameter (reporting units)	Water Quality Objectives	Source of Objective
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 ¹	Water Quality Control Plan for the Central Coast- RWQCB
<i>E. coli</i> (MPN/100mL)	Not to exceed 235 ²	National Recommended Water Quality Criteria
Enterococcus (MPN/100mL)	Not to exceed 104	National Recommended Water Quality Criteria
Hardness as CaCO ₃ (mg/L)	Not ≤ 10 or $\geq 2,000$	SWRCB NPDES MS4 General Permit
Lead ($\mu\text{g/L}$)	Not to exceed 30 ¹	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 ³	Central Coast Ambient Monitoring Program (CCAMP)
Orthophosphate as P (mg/L)	Not to exceed 0.12 ⁴	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 ⁵	Central Coast Ambient Monitoring Program (CCAMP)
Transparency (cm)	Not less than 25 ⁶	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 ¹	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.

¹ Water Quality Control Plan for Central Coast Cold Water Objective for Hard Water.

² Environmental Protection Agency, Updated WQO.

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

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

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

⁶ 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 2023 MRSWMP permit year:

- Dry Run was conducted on Friday September 15th (4 sites) and Saturday September 16th (9 sites). Seven of the 13 sites had enough flowing water to be sampled for the Dry Run in 2023. Employees from CMSF/MBNMS and four volunteers assisted with sample collection.
- One First Flush event was conducted on November 18th, 2023. All but one site in Monterey County was visited with the help of 22 volunteers who donated over 100 hours total to collect and deliver storm drain samples. Volunteers were mobilized at 4:30 am when a rain event dropped 0.2 inches of rain over a span of two hours over the Monterey Peninsula.
- The final First Flush event occurred for one site in Monterey County (Boronda) during a separate rain event on December 20th in the morning.

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. An ISCO pump was used during First Flush at Las Palmas (Monterey County) this year. All other instantaneous flow estimates are listed in

Table 2.

Table 2: Instantaneous flow estimates in gallons per minute (gpm) per site. NA= data not available due to flow collected by ISCO pump; NF= No flow

Jurisdiction	Site Description	Site ID	Dry Run	First Flush
Carmel	4 th Avenue	307-CASD-01	0.8	224
Carmel	Ocean Avenue	307-CASD-02	NF	1,400
Monterey	Twins*	309-MSD-03	5.6	1,500
Monterey	San Carlos Beach	309-MSD-04	NF	1,100
Monterey	Steinbeck	309-MSD-05	NF	3,000
Monterey County	Boronda	309-SASD-01	NF	200
Monterey County	Las Palmas	309-SASD-02	NF	NA
Pacific Grove	8 th Street	309-PGSD-01	20	10,500
Pacific Grove	Greenwood Park	309-CENTR-31	0.92	2,150
Pacific Grove	Lover's Point	309-PGSD-03	0.15	3,750
Pacific Grove	Sea Palm	309-PGSD-15	2.31	375
Pacific Grove	Pico	309-PGSD-04	11.1	1,050
Seaside/ Sand City	Bay Street	309-SSD-02	NF	1,650

*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 were developed that show the data divided into dry weather and wet weather 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.

Nitrate

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 0.04 mg-N/L for the Dry Run and 0.16 mg-N/L for the First Flush for all sites. **Figure 3** represents Dry Run and **Figure 5** represents the First Flush nitrate ($\text{NO}_3\text{-N}$) data since 2000. All outfall results are listed in **Appendix B**.

- **Dry Run:** In 2023, three of the seven outfalls (43%) exceeded the Action Level at 4th Avenue in Carmel at 2.3 mg-N/L, and Lover's Point and Sea Palm at 5.5 mg-N/L and 3.1 mg-N/L respectively.
- **First Flush:** None of the outfall sites exceeded the Action Level in 2023.

Orthophosphate

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 0.04 mg-P/L for the Dry Run and 0.16 mg-P/L for First Flush for all sites. **Figure 3** represents the Dry Run and **Figure 5** represents the First Flush data for all MRSWMP orthophosphate data since 2000. All outfall results are listed in **Appendix B**.

- **Dry Run:** In 2023, three of the seven outfalls (43%) had results that exceeded the Action Level at 8th Street and Greenwood in Pacific Grove at 0.41 mg-P/L and 0.13 mg-P/L respectively, and at Twins in Monterey at 0.21 mg-P/L. One non-detect was reported at Pico in Pacific Grove.
- **First Flush:** All results exceeded the Action Level in 2023. The highest average result of 0.46 mg-P/L was at Ocean Ave in Carmel.

Ammonia

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 4** represents the Dry Run and **Figure 6** represents the First Flush data for all MRSWMP ammonia as N data since 2014. All outfall results are listed in **Appendix B**. 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 2023. For Dry Run, three sites at 4th Avenue in Carmel and Lover's Point and Sea Palm in Pacific Grove were reported as non-detect.

Urea

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 4** represents the Dry Run and **Figure 6** 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 B**.

- **Dry Run:** In 2023, the highest urea result of 117 µg/L was from Twins in Monterey. Two sites were reported as non-detect at Lover's Point and Sea Palm in Pacific Grove.
- **First Flush:** In 2023, the highest result of 292 µg/L was from Steinbeck in Monterey.

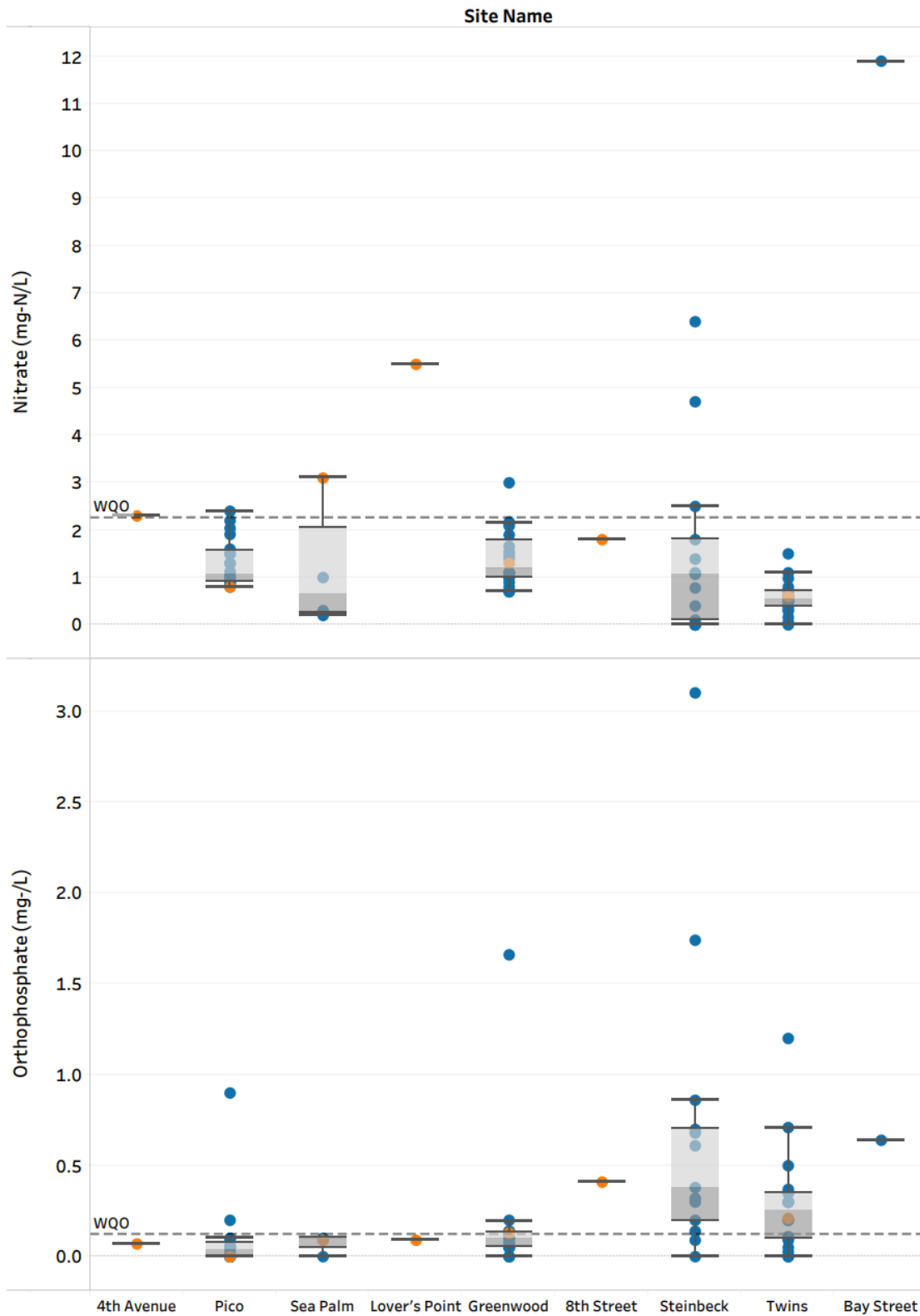


Figure 3: 2000–2023 Dry Run MRSWMP nitrate as N and orthophosphate as P results. Orange points are from 2023. The WQO is indicated by the dotted line.

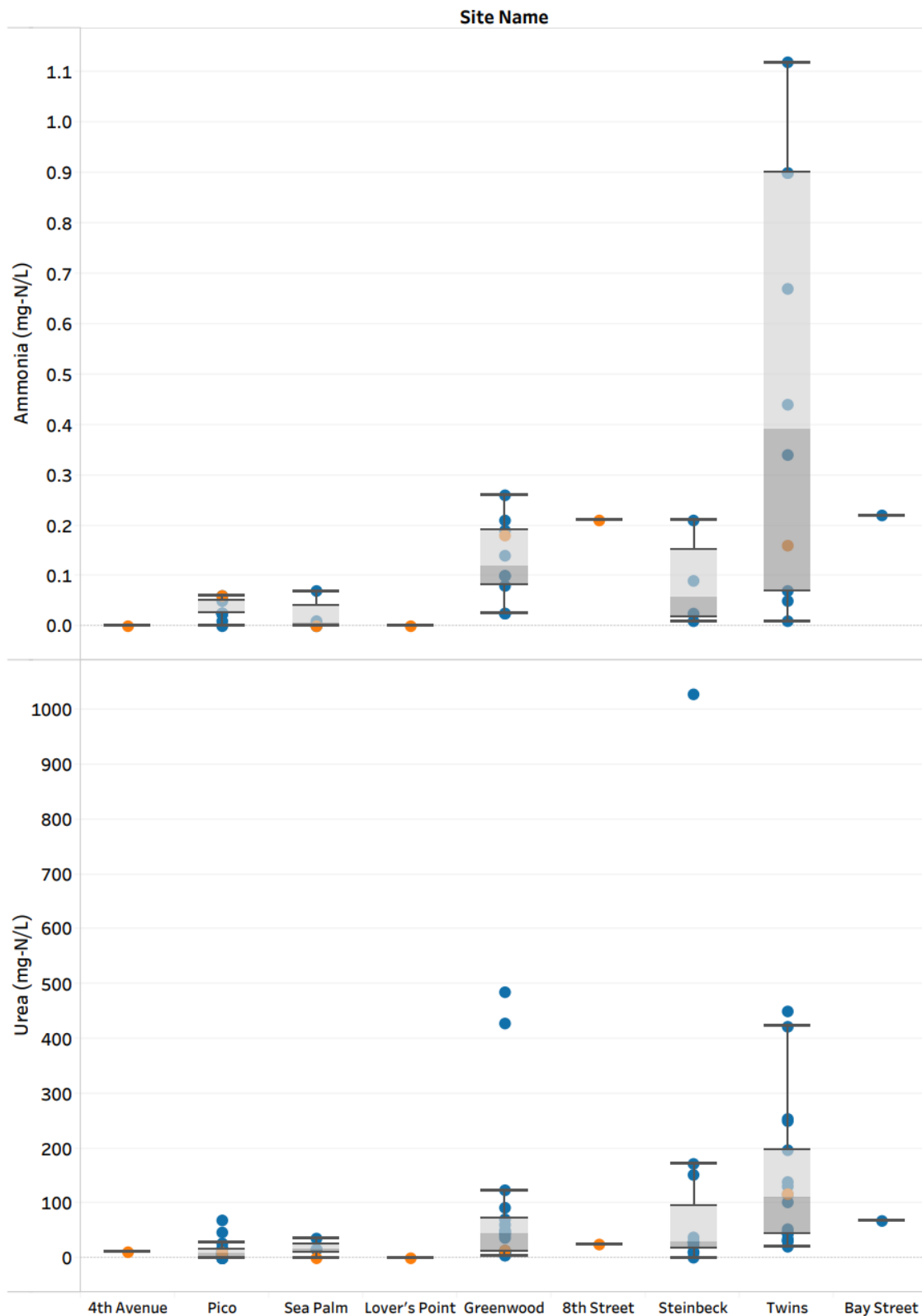


Figure 4: 2014–2023 ammonia as N and 2006–2023 urea as N Dry Run MRSWMP results. Orange points are from 2023. There is no WQO indicated for urea and the WQO for ammonia is 50 mg-N/L.

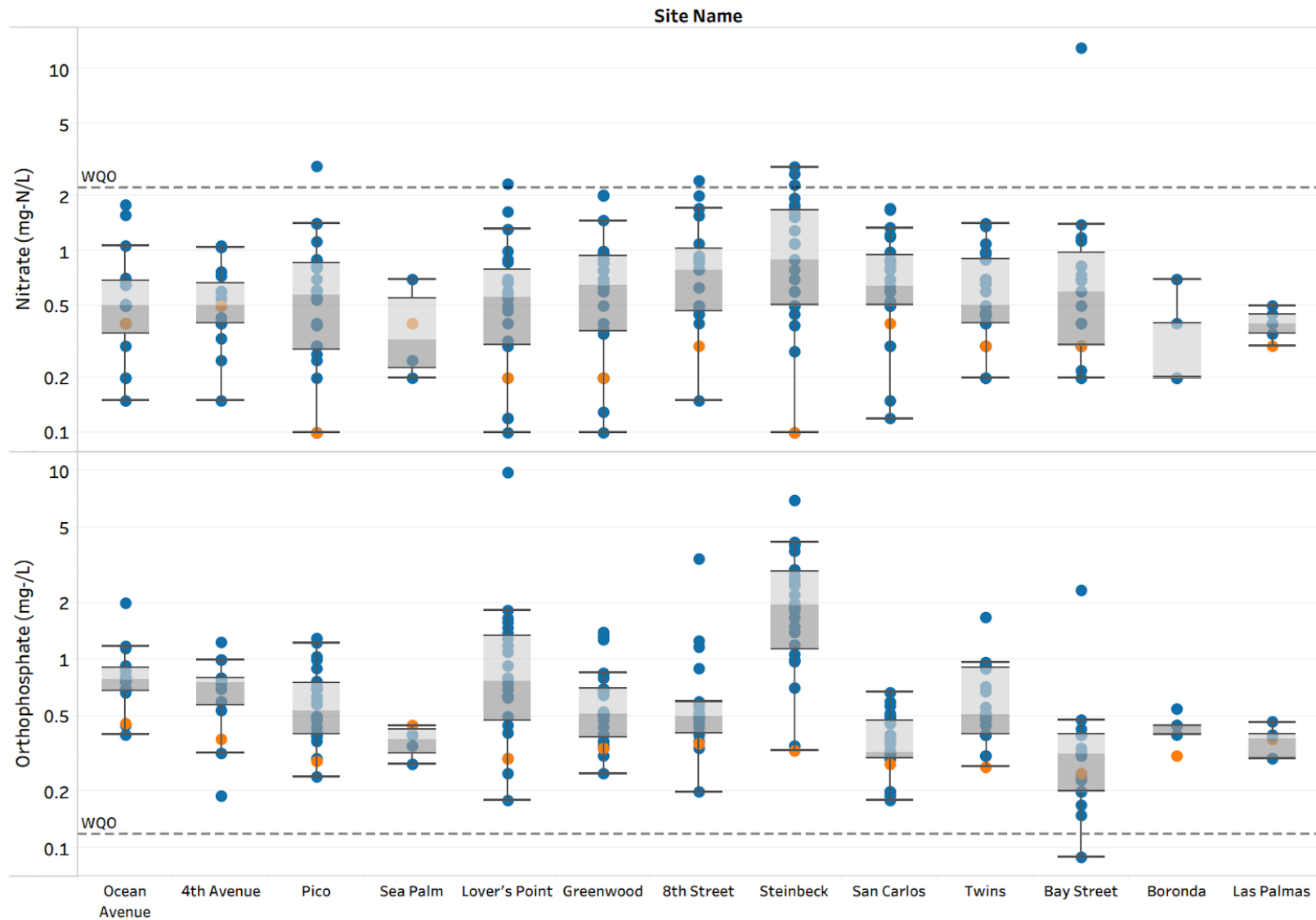


Figure 5: 2000–2023 First Flush MRSWMP nitrate as N and orthophosphate as P results. The WQO is indicated by the dotted line. Orange points are from 2023. Nitrate for Boronda was non-detect.

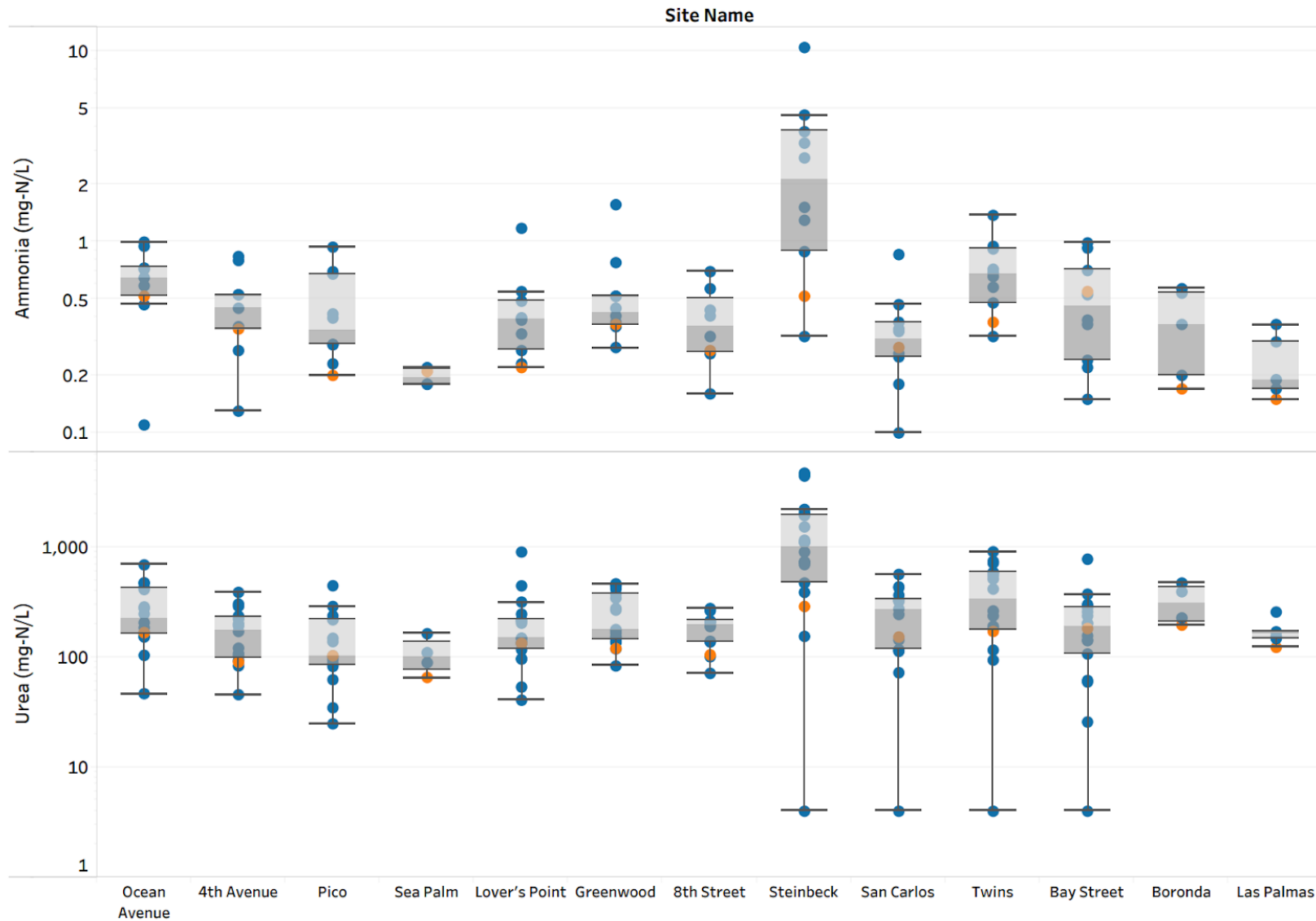


Figure 6: 2014–2023 ammonia as N and 2006–2023 urea as N First Flush MRSWMP results. Orange points are from 2023. There is no WQO indicated for urea and the WQO for ammonia is 50 mg-N/L.

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

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 7** represents the Dry Run and **Figure 8** represents the First Flush data for all MRSWMP copper, lead, and zinc results since 2000. All outfall results are listed in **Appendix B**.

- **Dry Run:** For 2023, no sites exceeded the WQO. Five sites were reported as non-detect at 4th Avenue in Carmel, Greenwood, Lover's Point and Pico in Pacific Grove, and Twins in Monterey.
- **First Flush:** Results from four of the 13 outfall sites (31%) monitored exceeded the WQO in 2023. The highest average result of 195.2 µg/L was from 4th Avenue in Carmel.

Lead

Lead is present in some types of paint, water distribution systems, and 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 2023. One non-detect was reported at Lover's Point in Pacific Grove.
- **First Flush:** Three of the outfall sites (23%) exceeded the WQO in 2023 at 4th Avenue in Carmel at 117 µg/L, Bay Street in Seaside at 32.5 µg/L, and Twins in Monterey at 78.6 µg/L.

Zinc

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 5 µg/L for the First Flush.

- **Dry Run:** None of the outfall sites exceeded the WQO in 2023. Three non-detects were reported at 4th Avenue in Carmel and at Sea Palm and Lover's Point in Pacific Grove.

- **First Flush:** For 2023, three of the 13 sites (23%) exceeded the WQO at 656 $\mu\text{g/L}$ at 4th Avenue in Carmel, 319 $\mu\text{g/L}$ at Bay Street in Seaside, and 312 $\mu\text{g/L}$ at Twins in Monterey.

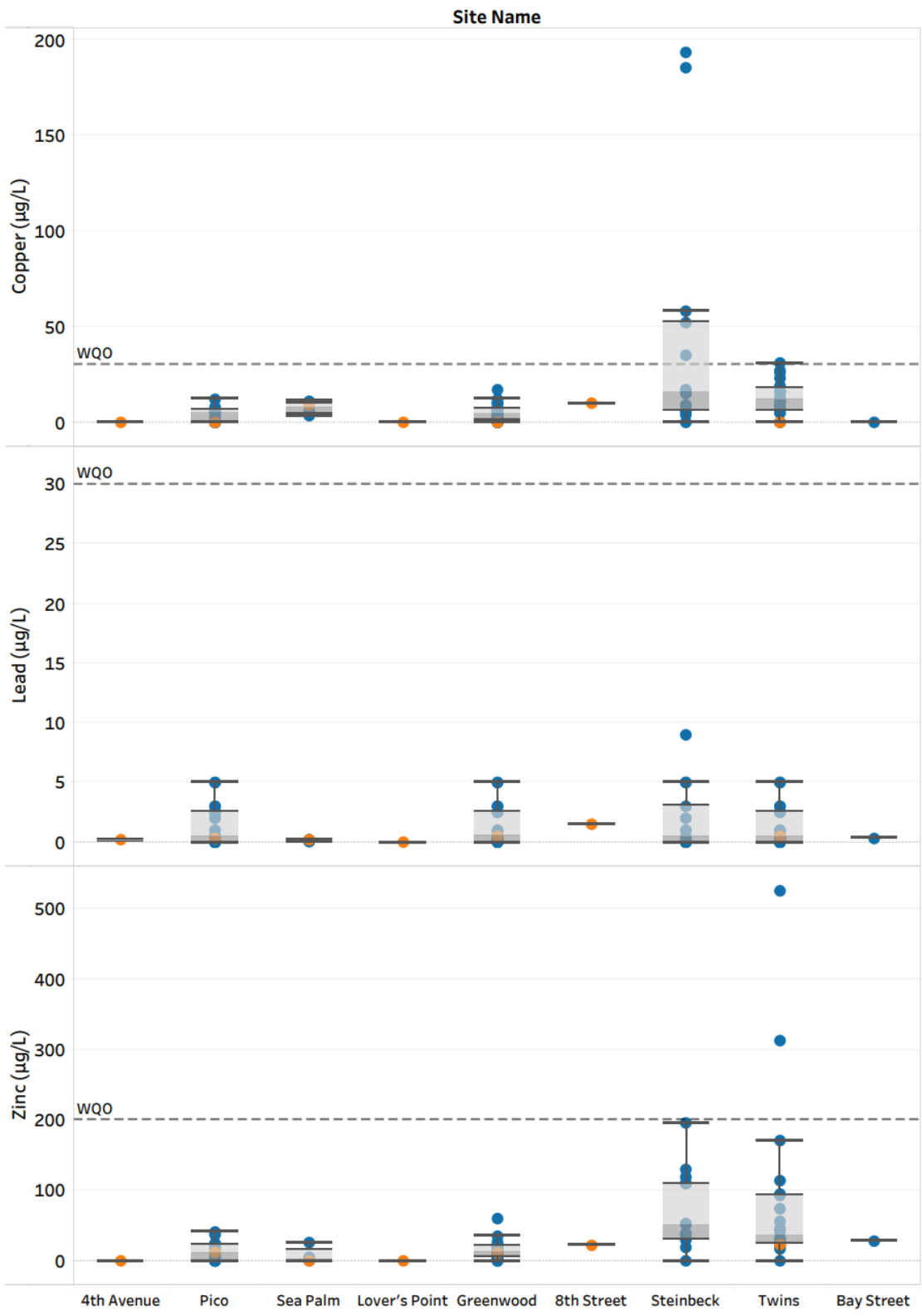


Figure 7: 2000–2023 copper, lead, and zinc Dry Run MRSWMP results. Orange points are from 2023. WQO indicated by the dotted line.

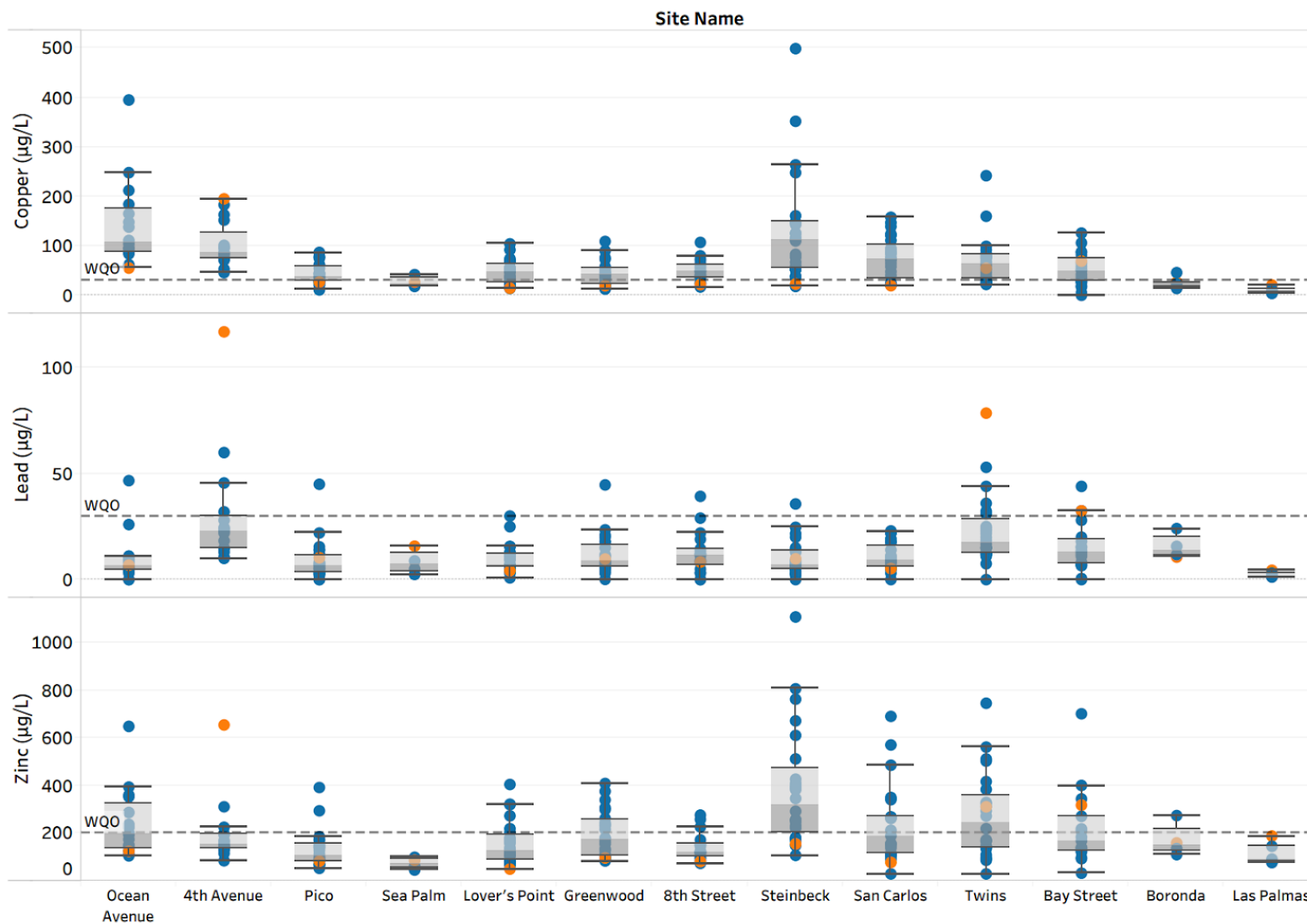


Figure 8: 2000–2023 copper, lead, and zinc First Flush MRSWMP results. Orange points are from 2023. The WQO is indicated by the dotted line.

Clarity

Color

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 between 3 and 12 color units for the Dry Run and between 15 and 150 color units for the First Flush. **Figure 9** represents Dry Run and **Figure 10** represents all First Flush MRSWMP color data since 2013. All outfall results are listed in **Appendix B**.

- **Dry Run:** None of the outfall sites exceeded the Action Level in 2023.
- **First Flush:** One of the outfall sites (8%) exceeded the Action Level in 2023 at 650 color units at 4th Avenue in Carmel.

Total Suspended Solids

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 9** represents Dry Run and **Figure 10** represents all First Flush MRSWMP TSS data since 2004. All outfall results are listed in **Appendix B**.

- **Dry Run:** No sites exceeded the Action Level in 2023. Two non-detects were reported at Lover's Point and Sea Palm in Pacific Grove.
- **First Flush:** No sites exceeded the Action Level in 2023.

Turbidity

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 1,000 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 2 NTU for the First Flush. **Figure 9** represents Dry Run and **Figure 10** represents all First Flush MRSWMP turbidity data since 2013. All outfall results are listed in **Appendix B**.

- **Dry Run:** No sites exceeded the Action Level in 2023.
- **First Flush:** Nine of the 13 monitored sites (69%) exceeded the Action Level in 2023. The highest average result of 235 NTU was from Boronda in Monterey County.

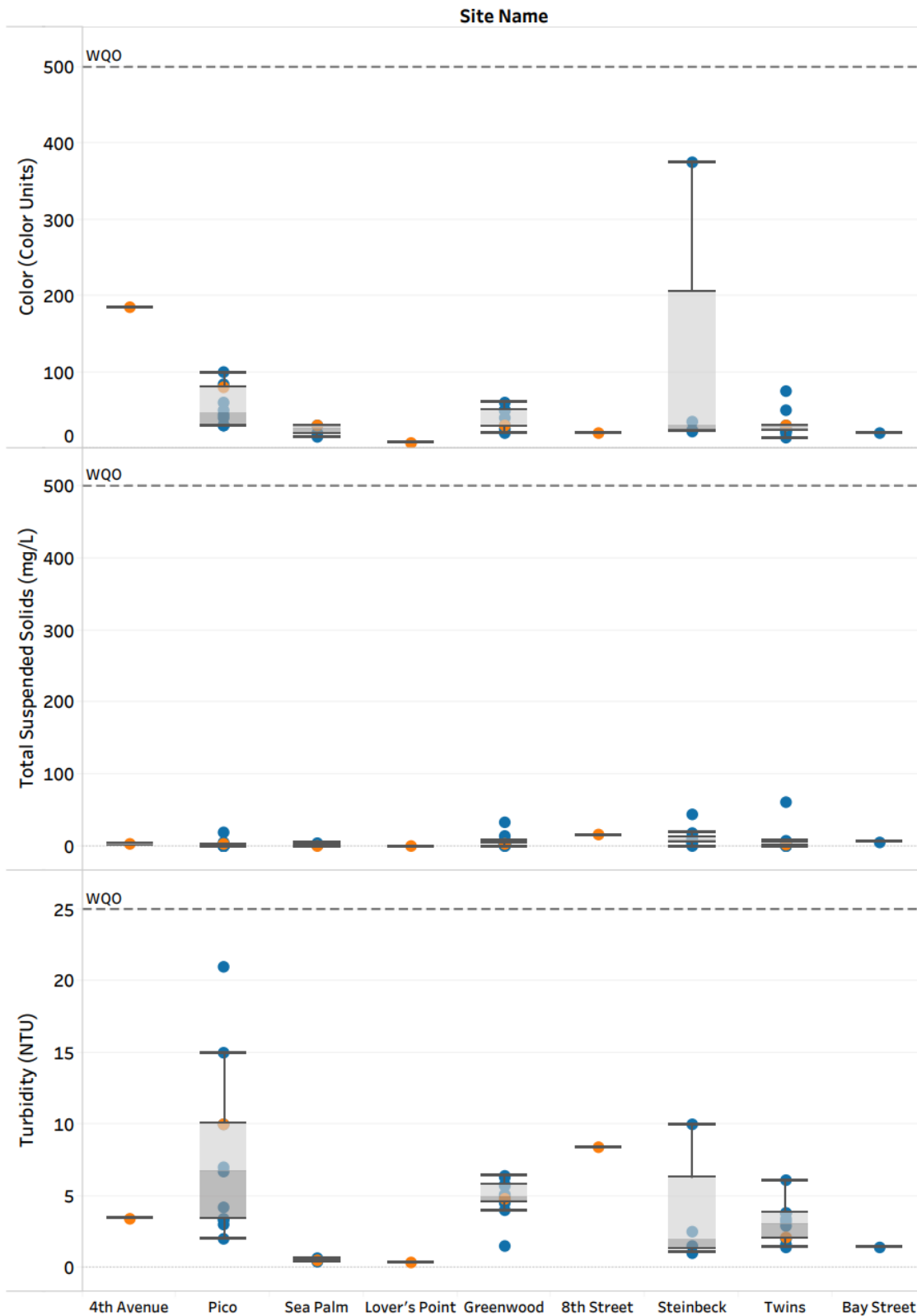


Figure 9: 2013–2023 color and turbidity and 2004–2023 total suspended solids Dry Run MRSWMP results. Orange points are from 2023. WQO indicated by the dotted line.

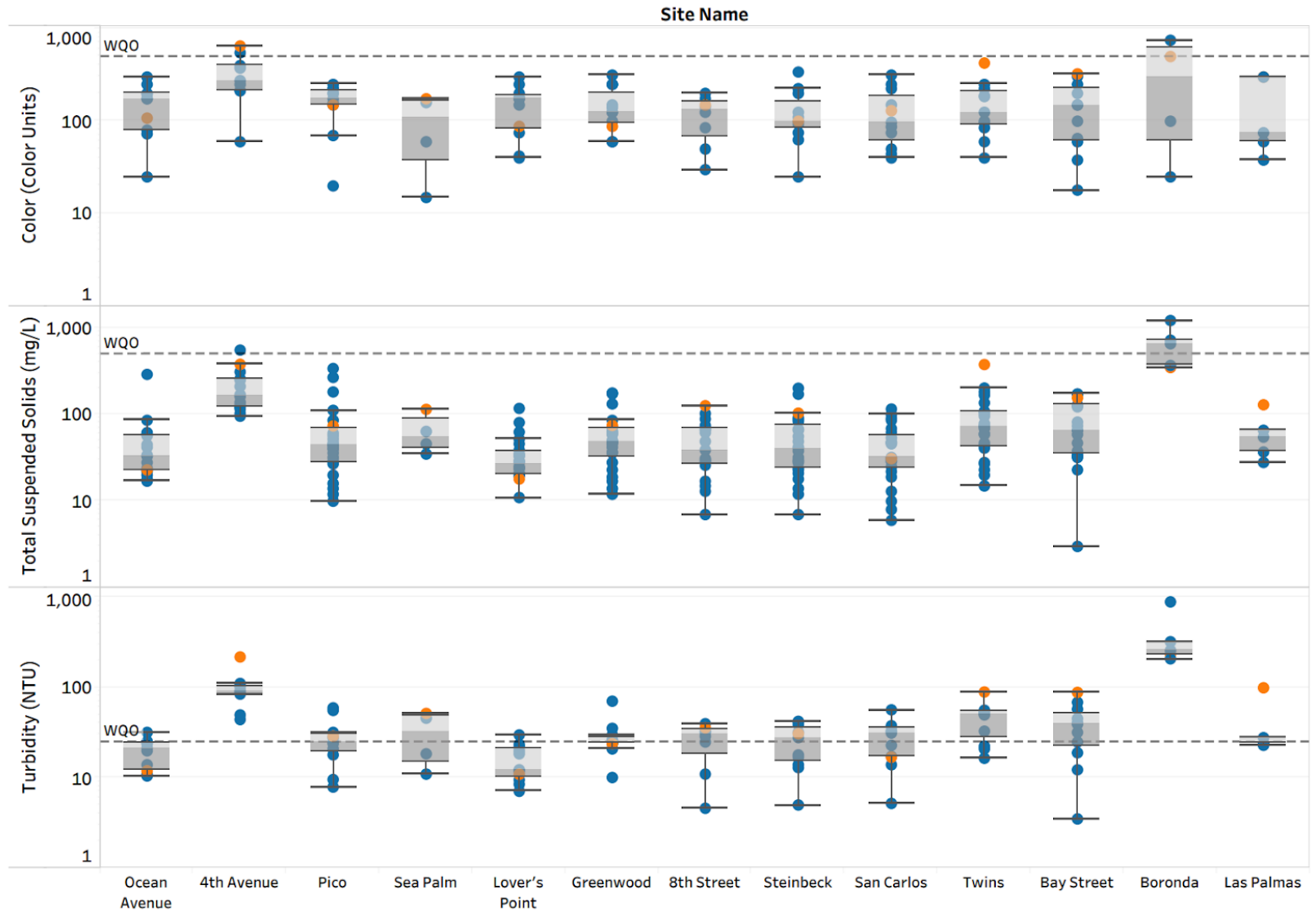


Figure 10: 2013–2023 color and turbidity and 2004–2023 total suspended solids First Flush MRSWMP results. Orange points are from 2023. WQO indicated by the dotted line.

Fecal Indicator Bacteria

Escherichia coli (*E. coli*) and Enterococcus are both types 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.

E. coli

The national recommended water quality criteria for *E. coli* is 235 MPN/100mL. The MDL for *E. coli* was between 10–100 MPN/100mL for the Dry Run and between 20–100 MPN/100mL for the First Flush. **Figure 11** represents Dry Run and **Figure 12** represents all First Flush MRSWMP *E. coli* data since 2004. All outfall results are listed in **Appendix B**.

- **Dry Run:** Five of the seven (71%) outfall sites exceeded the WQO for *E. coli* in 2023. The highest *E. coli* result of 16,580 MPN/100mL was from 8th Street in Pacific Grove. This site is diverted to the sanitary sewer.
- **First Flush:** All of the outfall sites exceeded the WQO in 2023. The highest average result of 120,330 MPN/100mL was from Las Palmas in Monterey County.

Enterococcus

The nationally recommended water quality criteria for Enterococcus is 104 MPN/100mL. The MDL for Enterococcus was 10 MPN/100mL for the Dry Run and between 20–100 MPN/100mL for the First Flush. **Figure 11** represents Dry Run and **Figure 12** represents all First Flush MRSWMP Enterococcus data since 2007. All outfall results are listed in **Appendix B**.

- **Dry Run:** Four of the seven (57%) outfall sites monitored exceeded the WQO for Enterococcus in 2023. The highest enterococcus result of 991 MPN/100mL was from Twins in Monterey.
- **First Flush:** All outfall sites monitored exceeded the WQO in 2023. The highest average result of 81,460 MPN/100mL was from Boronda in Monterey County.

Human Specific Bacteria (HF183)

Since *E. coli* and Enterococcus only give a general picture of bacterial conditions, an additional test for human specific bacteria, HF183, was conducted to determine whether the source of the bacteria is human. Human specific bacteria can come from leaky sewer lines, faulty septic systems, or contamination from homeless encampments. The results of this analysis show how severe the bacterial contamination is in the storm drain water. Currently there is no set WQO for human specific bacteria by the U.S. EPA. This year, seven outfalls' samples that drain into an ASBS were analyzed for HF183, including sites from Carmel and Pacific Grove. **Figure 11** represents Dry Run and **Figure 12** represents all First Flush MRSWMP HF183 data for this year. All outfall results are listed in **Appendix B**.

- **Dry Run:** One of the seven (14%) outfalls monitored for HF183 had detectable levels at Greenwood Park at 7,105 GC/mL, the highest observed from all 2023 MRSWMP sites.
- **First Flush:** Two of the seven (29%) outfalls monitored for HF183 had a detectable level of HF183 with 4th Avenue in Carmel being the highest at 348 GC/mL.

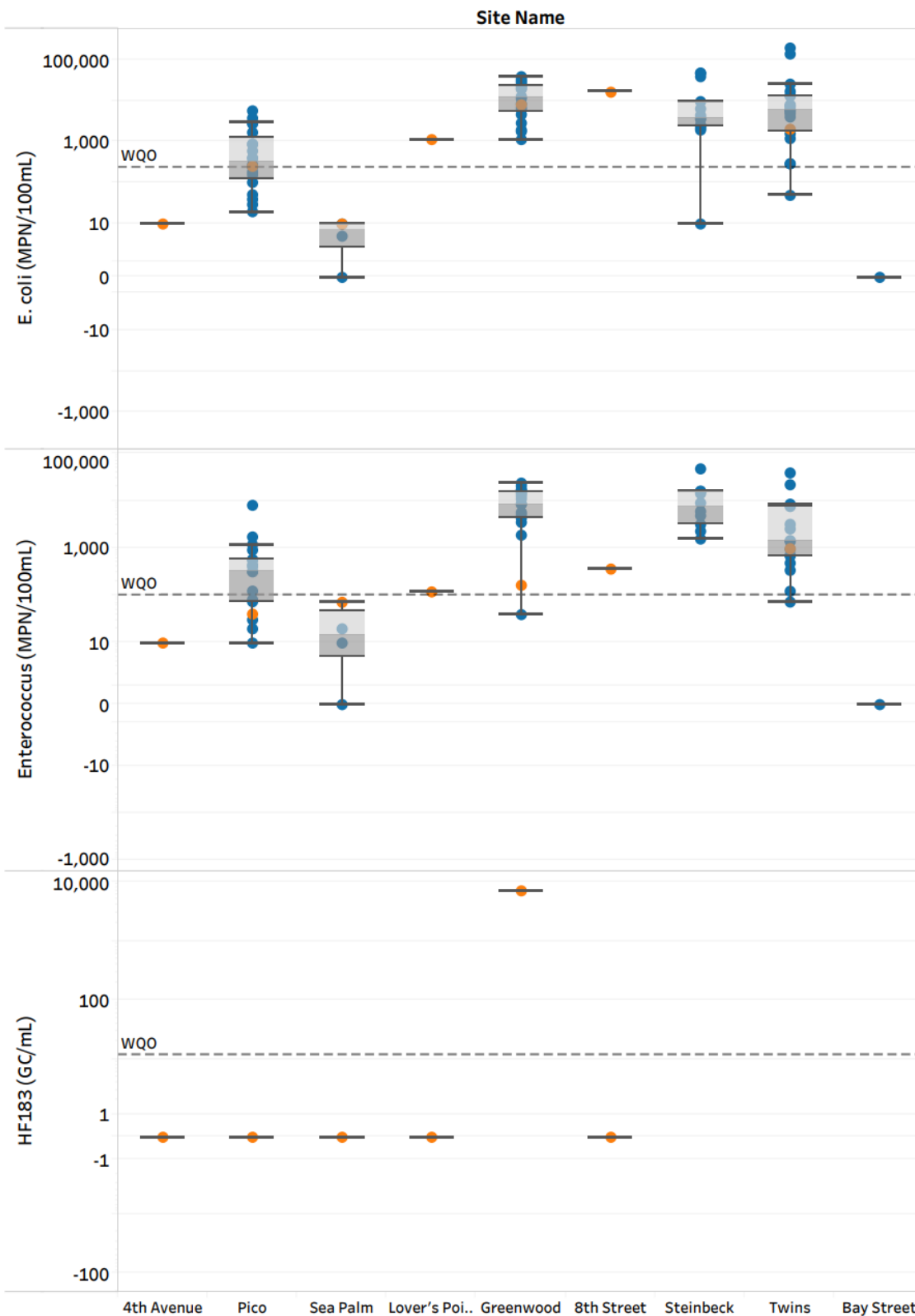


Figure 11: 2004–2023 E. coli, 2007- 2023 Enterococcus, and 2023 HF183 Dry Run MRSWMP results. Orange points are from 2023. WQO indicated by the dotted line.

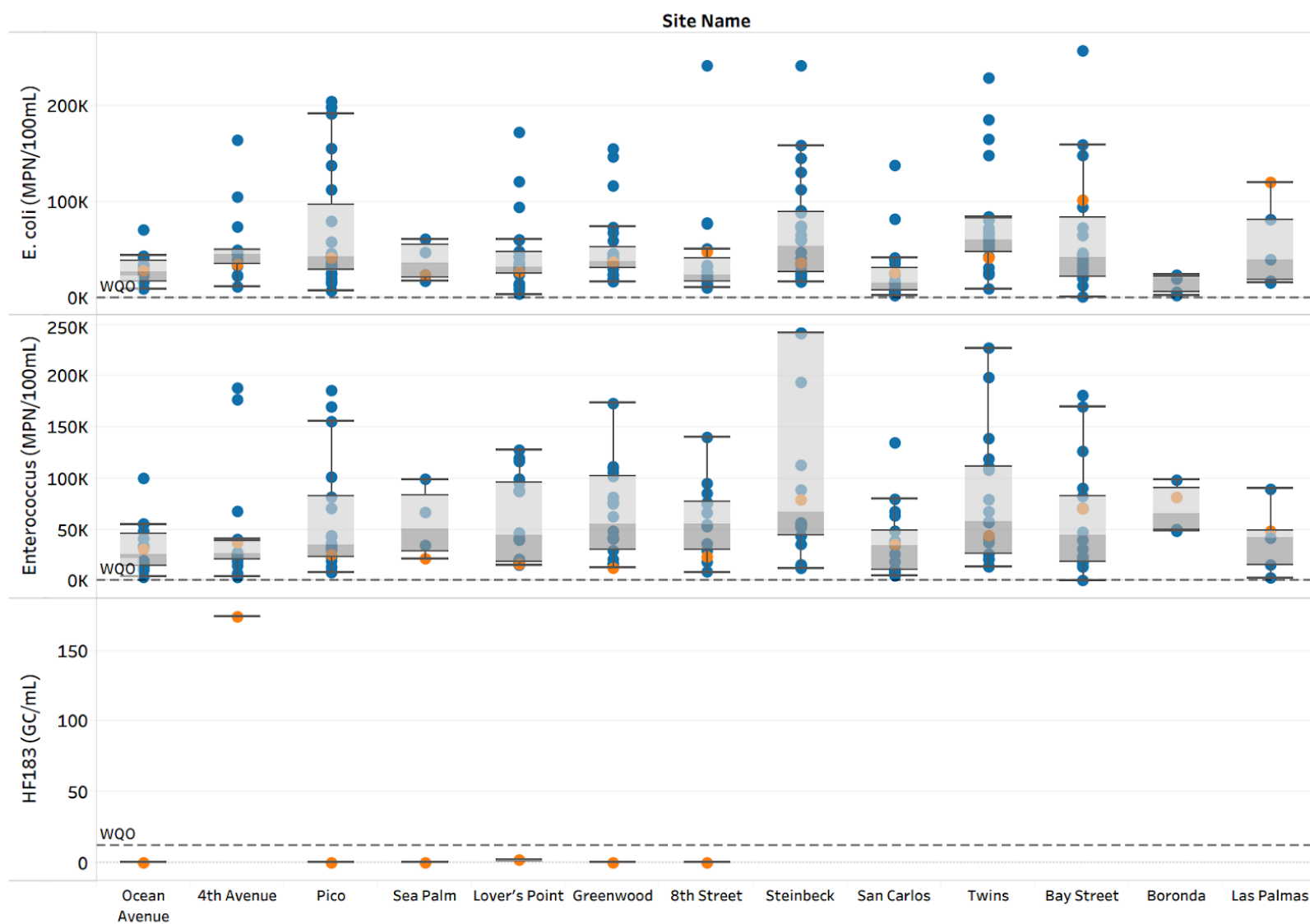


Figure 12: 2004–2023 E. coli, 2007- 2023 Enterococcus, and 2023 HF183 First Flush MRSWMP results. Orange points are from 2023. WQO indicated by the dotted line.

Liquid Waste Identifiers

Hardness

Hardness (as CaCO_3) 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_3) was 1 mg/L for Dry Run and First Flush. **Figure 13** represents Dry Run and **Figure 14** represents all First Flush MRSWMP hardness, surfactants, and potassium data since 2013. All outfall results are listed in **Appendix B**.

- **Dry Run and First Flush:** None of the outfall results exceeded the acceptable range in 2023.

Surfactants

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 First Flush.

- **Dry Run:** One of the seven sites (14%) was above the WQO for MBAS concentrations in 2023. The highest result was at Twins in Monterey at 0.24 mg/L.
- **First Flush:** Ten of the 13 sites (77%) were above the WQO. The highest average result of 0.5 mg/L was from Bay Street in Seaside.

Potassium

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:** One of the seven sites (14%) was above the WQO for Potassium at 4th Avenue in Carmel at 20.9 mg/L.
- **First Flush:** None of the outfall results exceeded the Action Level in 2023.

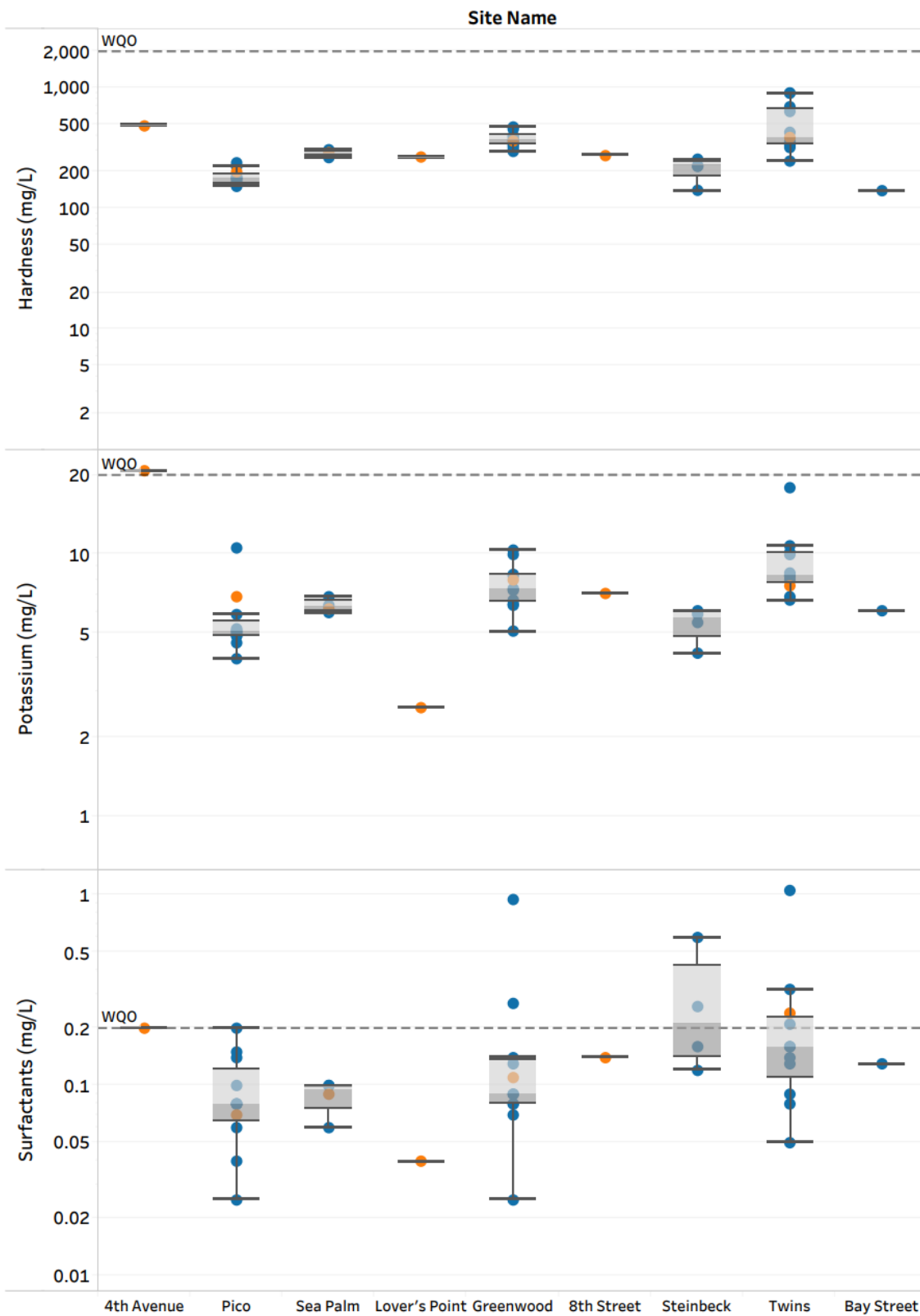


Figure 13: 2013–2023 hardness, surfactants, and potassium Dry Run MRSWMP results. Orange points are from 2023. WQO indicated by the dotted line.

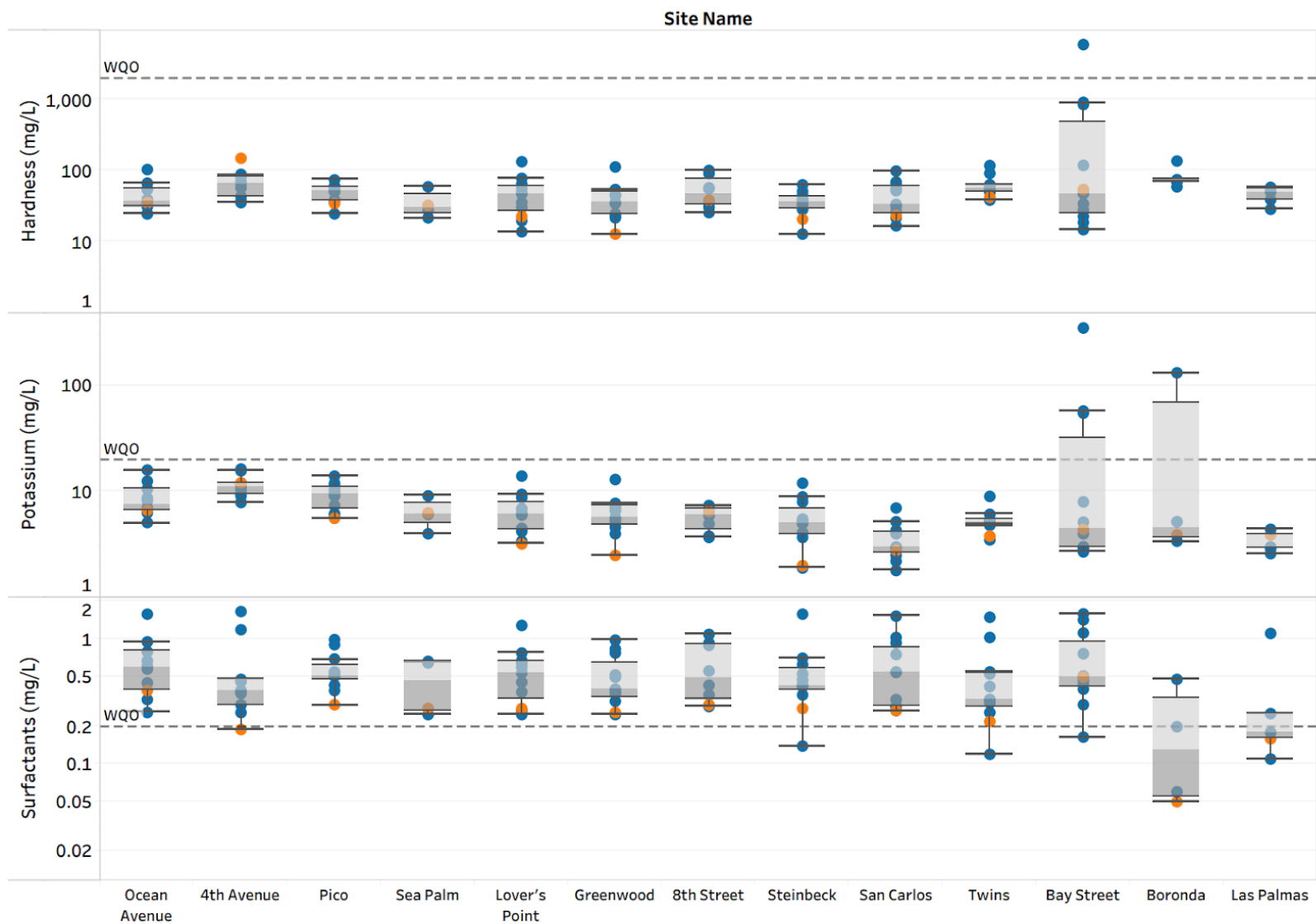


Figure 14: 2013–2023 hardness, surfactants, and potassium First Flush MRSWMP results. Orange points are from 2023. WQO indicated by the dotted line.

Results by Jurisdiction

The following section is broken out by city or county for this permit year. All 2023 outfall results can be found in **Appendix B** and by jurisdiction in **Appendix C**.

Carmel-by-the-Sea

For the 2023-2024 permit year, two sites were monitored in Carmel: 4th Avenue and Ocean Avenue. There was no flow at Ocean Avenue for the Dry Run.

For Dry Run:

- 4th Avenue exceeded the nitrate CCAMP Action Level at 2.3 mg-N/L.
- Potassium exceeded the SWRCB NPDES MS4 General Permit Action Level at 20.9 mg/L and was the highest concentration of potassium measured throughout all the samples collected during the 2023 MRSWMP sampling.

For First Flush:

- Copper exceeded the Basin Plan WQO in all samples at both sites. The highest single sample copper result from all 2023 MRSWMP sites was from 4th Avenue at 325 µg/L during the first time series.
- Lead and zinc exceeded the Basin Plan WQO for the first time series at 4th Avenue at 217 and 1,210 µg/L respectively. These were the highest concentrations of lead and zinc out of all the 2023 MRSWMP sites.
- *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 both samples at Ocean Avenue and the second series sample at 4th Avenue.
- 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 4th Avenue. The first time series from 4th Avenue had the highest turbidity results out of all MRSWMP sites at 340 NTU.
- Color exceeded the SWRCB NPDES MS4 General Permit for the first time series at 4th Avenue and was the highest out of all 2023 MRSWMP sites at 1,000.
- HF183 was relatively high at 348 GC/mL from the first time series at 4th Avenue.
- Total suspended solids exceeded the CCAMP Action Level for the first time series at 4th Avenue and was the highest out of all 2023 MRSWMP sites at 615 mg/L.
- Ammonia, hardness, nitrate, potassium, and total suspended solids results were all below WQOs and Action Levels for both time series samples at both sites.

Monterey

For the 2023–2024 permit year, three sites were monitored: Twins, San Carlos, and Steinbeck. Twins 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 Dry Run:

- Twins exceeded the *E. coli* and Enterococcus U.S. EPA WQO.
- Orthophosphate as P results exceeded the CCAMP Action Level with a result of 0.21 mg-P/L at Twins.
- MBAS surfactants exceeded the WQO with a result of 0.24 mg/L at Twins.
- Ammonia, color, copper, hardness, lead, nitrate, potassium, total suspended solids, turbidity, and zinc results were below WQOs or Action Levels during the Dry Run.

For 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 one of the highest Enterococcus results out of all the 2023 MRSWMP sites at 98,040 MPN/100mL.
- MBAS surfactants exceeded the Basin Plan WQO in all but one sample at all Monterey sites. The first time series at Twins was below the WQO.
- Orthophosphate exceeded the CCAMP Action Level in all samples at all Monterey sites.
- Turbidity exceeded the CCAMP Action Level in all samples from Twins and the second time series from Steinbeck.
- Zinc exceeded the Basin Plan WQO from the second time series at Steinbeck and both time series at Twins.
- Lead exceeded the Basin Plan WQO from both time series at Twins.
- Color exceeded the SWRCB NPDES MS4 General Permit Action Level from the first time series at Twins.
- Total suspended solids exceeded the CCAMP Action Level from the first time series at Twins.
- Ammonia, hardness, potassium, and nitrate were all below WQOs and Action Levels for both time series samples at all sites.

Monterey County

For the 2023–2024 permit year, two sites were monitored: Boronda and Las Palmas. There was no flow at either site during the Dry Run. Las Palmas only had the first time series collected due to equipment failure.

For First Flush:

- *E. coli* and Enterococcus results exceeded the U.S. EPA WQO in all samples at both Monterey County sites. The second time series at Boronda had one of the highest Enterococcus results out of all the 2023 MRSWMP sites at 98,040 MPN/100mL.
- Copper and zinc exceeded the Basin Plan WQO in the first time series from Boronda.
- Orthophosphate results exceeded the CCAMP Action Level in all samples at both Monterey County sites.
- Turbidity results exceeded the CCAMP Action Level in all samples at both Monterey County sites.
- Color exceeded the SWRCB NPDES MS4 General Permit Action Level from the first time series sample at Boronda.
- Ammonia, hardness, potassium, lead, nitrate, total suspended solids, and surfactants did not exceed WQOs or Action Levels for any samples at either site during First Flush.

Pacific Grove

For the 2023–2024 permit year, five sites were monitored: 8th Street, Greenwood Park, Lover’s Point, Sea Palm, and Pico. The two sites on the Hopkins Marine Station campus that were historically monitored were not sampled and the site at Sea Palm was sampled instead. The 8th 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 2023 Dry Run and First Flush the diversion remained in operation. Dry Run and First Flush 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), Lover’s Point (upstream of the diversion, except for First Flush where it was downstream of the diversion due to equipment malfunction), and 8th Street (downstream of the diversion).

For Dry Run:

- Enterococcus and *E. coli* results were above the U.S. EPA WQO at Greenwood Park, Lover’s Point, and 8th Street. *E. coli* results also exceeded the WQO at Pico.
- Orthophosphate exceeded the CCAMP Action Level at Greenwood Park and 8th Street.
- Nitrate exceeded the CCAMP Action Level at Sea Palm and Lover’s Point.
- HF183 results were very high from Greenwood Park at 7,105 GC/mL, the highest out of all 2023 MRSWMP sites.
- Ammonia, turbidity, hardness, potassium, copper, lead, zinc, color, total suspended solids, and surfactants were all below WQOs and Action Levels at all sites.

For First Flush:

- Enterococcus and *E. coli* results exceeded the U.S. EPA WQO in all samples at all sites. 8th Street had the highest *E. coli* result at 77,010 MPN/100mL from the second time series. Sea Palm had the highest Enterococcus result at 39,726 MPN/100mL from the first time series.
- 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.
- Turbidity results exceeded the CCAMP Action Level at Sea Palm for both time series, the second time series from 8th Street, the first time series from Pico, and the second time series from Greenwood Park.
- Hardness was too low based on the SWRCB NPDES MS4 General Permit level from the second series at Greenwood Park. This was the only site to not meet the General Permit for hardness out of all the 2023-2024 MRSWMP sites.
- 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. The first time series at Sea Palm had the highest concentration of orthophosphate out of all MRSWMP sites at 0.58 mg-P/L.
- Ammonia, potassium, copper, lead, zinc, nitrate, color, total suspended solids, and HF183 were all below WQOs and Action Levels for both time series samples at all sites.

Seaside and Sand City

For the 2023–2024 permit year, Bay Street was the only site monitored. Bay Street was not flowing during the Dry Run sampling.

For First Flush:

- *E. coli* and Enterococcus exceeded the U.S. EPA WQO in both samples. Bay Street had the highest concentration of *E. coli* out of all 2023 MRSWMP sites at 155,310 MPN/100mL.
- Turbidity results exceeded the CCAMP Action Level in both samples.
- Surfactant results exceeded the RWQCB Basin Plan WQO in both samples. The second time series from Bay Street had the highest concentration of surfactants out of all 2023 MRSWMP sites at 0.5 mg/L.
- Copper and zinc exceeded the Basin Plan WQO from both time series.
- Lead exceeded the Basin Plan WQO during the first time series sample.
- Orthophosphate exceeded the CCAMP Action Level in both samples.
- Ammonia, hardness, potassium, nitrate, color, and total suspended solids results did not exceed any WQOs or Action Levels for any samples.

Figure 15 displays the first and second time series data for all sites for analytes of special concern (orthophosphate, copper, lead, zinc, *E. coli*, Enterococcus, and surfactants) during the 2023 MRSWMP First Flush monitoring. There is not a clear trend indicating that the first time series has a higher concentration of analytes than the second time series. Although, there seems to be many analytes that have a higher concentration during the second time series. This may indicate that the stormwater pollutants may take a while to get to the outfall.

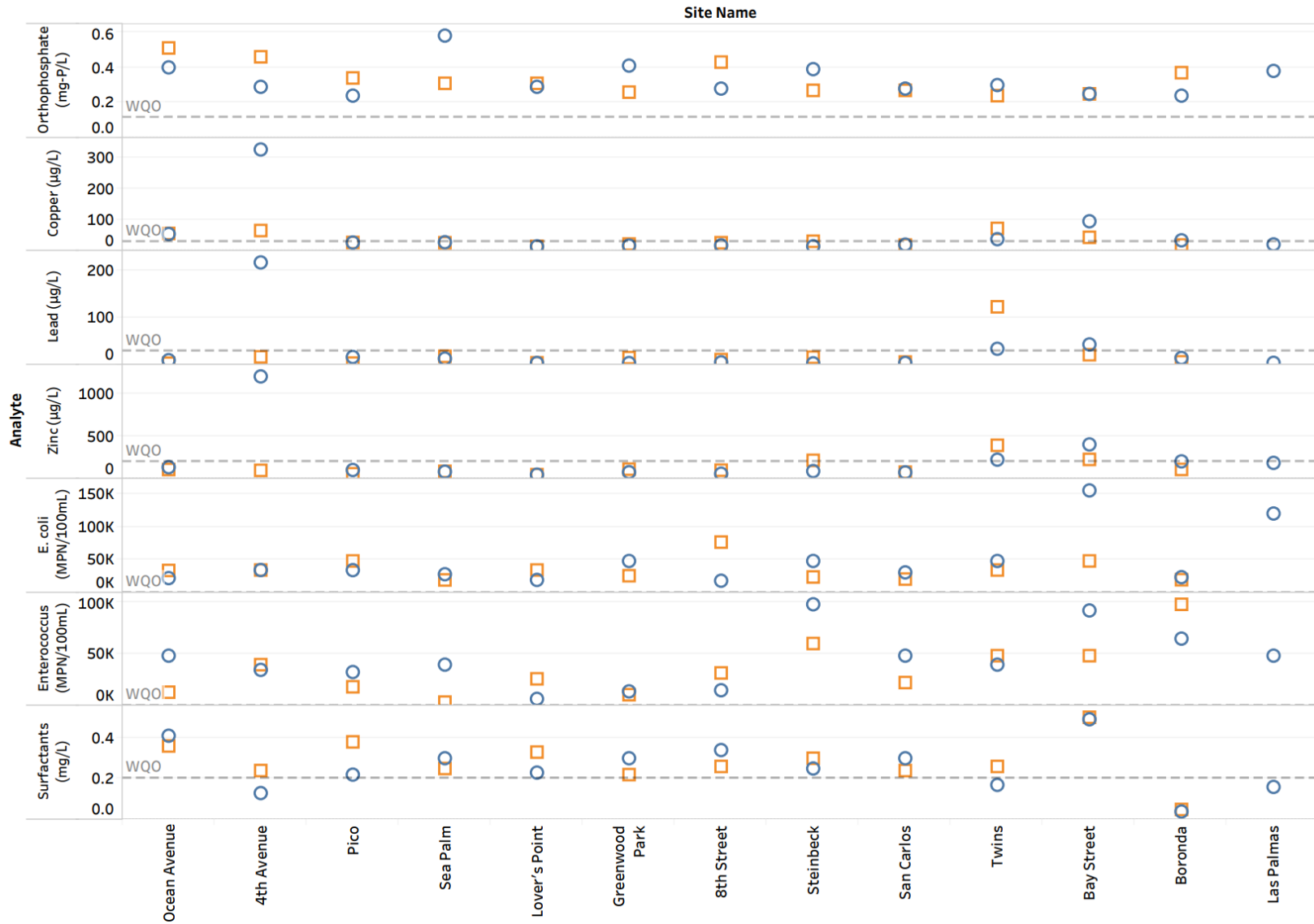


Figure 15: First and second time series data for analytes of concern for the 2023 MRSWMP monitoring during First Flush. The blue circles indicate the first time series, and the orange squares indicate the second time series. Las Palmas only had the first time series collected.

Conclusion

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 2023–2024 permit year, 13 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 MBNMS. 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 occurred in mid-November. 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 MBNMS.

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 A: 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 th 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 th 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 B: Results by Analyte (listed alphabetically)

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

ND - Non-detect

NA - Not available

NF - No flow, no sample collected

EM - Equipment malfunction that impeded sample collection

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
Dry Run	9/15/23	12:40	Carmel	307-CASD-02	Ocean Avenue	Ammonia	NF	50	mg-N/L
Dry Run	9/15/23	12:55	Carmel	307-CASD-01	4th Avenue	Ammonia	ND	50	mg-N/L
Dry Run	9/15/23	14:20	Monterey County	309-SASD-02	Las Palmas	Ammonia	NF	50	mg-N/L
Dry Run	9/15/23	15:12	Monterey County	309-SASD-01	Boronda	Ammonia	NF	50	mg-N/L
Dry Run	9/16/23	9:25	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Ammonia	0.16	50	mg-N/L
Dry Run	9/16/23	9:45	Pacific Grove	309-CENTR-31	Greenwood Park	Ammonia	0.18	50	mg-N/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-04	San Carlos	Ammonia	NF	50	mg-N/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-05	Steinbeck	Ammonia	NF	50	mg-N/L
Dry Run	9/16/23	10:20	Pacific Grove	309-PGSD-01	8th Street	Ammonia	0.21	50	mg-N/L
Dry Run	9/16/23	10:28	Seaside/Sand City	309-SSD-02	Bay Street	Ammonia	NF	50	mg-N/L
Dry Run	9/16/23	10:30	Pacific Grove	309-PGSD-15	Sea Palm	Ammonia	ND	50	mg-N/L
Dry Run	9/16/23	11:00	Pacific Grove	309-PGSD-03	Lover's Point	Ammonia	ND	50	mg-N/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
Dry Run	9/16/23	11:10	Pacific Grove	309-PGSD-04	Pico	Ammonia	0.06	50	mg-N/L
Dry Run	9/15/23	12:40	Carmel	307-CASD-02	Ocean Avenue	Color	NF	500	Color Units
Dry Run	9/15/23	12:55	Carmel	307-CASD-01	4th Avenue	Color	185	500	Color Units
Dry Run	9/15/23	14:20	Monterey County	309-SASD-02	Las Palmas	Color	NF	500	Color Units
Dry Run	9/15/23	15:12	Monterey County	309-SASD-01	Boronda	Color	NF	500	Color Units
Dry Run	9/16/23	9:25	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Color	30	500	Color Units
Dry Run	9/16/23	9:45	Pacific Grove	309-CENTR-31	Greenwood Park	Color	30	500	Color Units
Dry Run	9/16/23	10:10	Monterey	309-MSD-04	San Carlos	Color	NF	500	Color Units
Dry Run	9/16/23	10:10	Monterey	309-MSD-05	Steinbeck	Color	NF	500	Color Units
Dry Run	9/16/23	10:20	Pacific Grove	309-PGSD-01	8th Street	Color	20	500	Color Units
Dry Run	9/16/23	10:28	Seaside/Sand City	309-SSD-02	Bay Street	Color	NF	500	Color Units
Dry Run	9/16/23	10:30	Pacific Grove	309-PGSD-15	Sea Palm	Color	30	500	Color Units
Dry Run	9/16/23	11:00	Pacific Grove	309-PGSD-03	Lover's Point	Color	7	500	Color Units
Dry Run	9/16/23	11:10	Pacific Grove	309-PGSD-04	Pico	Color	80	500	Color Units
Dry Run	9/15/23	12:40	Carmel	307-CASD-02	Ocean Avenue	Copper	NF	30	µg/L
Dry Run	9/15/23	12:55	Carmel	307-CASD-01	4th Avenue	Copper	ND	30	µg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
Dry Run	9/15/23	14:20	Monterey County	309-SASD-02	Las Palmas	Copper	NF	30	µg/L
Dry Run	9/15/23	15:12	Monterey County	309-SASD-01	Boronda	Copper	NF	30	µg/L
Dry Run	9/16/23	9:25	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Copper	ND	30	µg/L
Dry Run	9/16/23	9:45	Pacific Grove	309-CENTR-31	Greenwood Park	Copper	ND	30	µg/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-04	San Carlos	Copper	NF	30	µg/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-05	Steinbeck	Copper	NF	30	µg/L
Dry Run	9/16/23	10:20	Pacific Grove	309-PGSD-01	8th Street	Copper	10	30	µg/L
Dry Run	9/16/23	10:28	Seaside/Sand City	309-SSD-02	Bay Street	Copper	NF	30	µg/L
Dry Run	9/16/23	10:30	Pacific Grove	309-PGSD-15	Sea Palm	Copper	9	30	µg/L
Dry Run	9/16/23	11:00	Pacific Grove	309-PGSD-03	Lover's Point	Copper	ND	30	µg/L
Dry Run	9/16/23	11:10	Pacific Grove	309-PGSD-04	Pico	Copper	ND	30	µg/L
Dry Run	9/15/23	12:40	Carmel	307-CASD-02	Ocean Avenue	E. coli	NF	235	MPN/100mL
Dry Run	9/15/23	12:55	Carmel	307-CASD-01	4th Avenue	E. coli	<10	235	MPN/100mL
Dry Run	9/15/23	14:20	Monterey County	309-SASD-02	Las Palmas	E. coli	NF	235	MPN/100mL
Dry Run	9/15/23	15:12	Monterey County	309-SASD-01	Boronda	E. coli	NF	235	MPN/100mL
Dry Run	9/16/23	9:25	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	E. coli	2064	235	MPN/100mL

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
Dry Run	9/16/23	9:45	Pacific Grove	309-CENTR-31	Greenwood Park	E. coli	8164	235	MPN/100mL
Dry Run	9/16/23	10:10	Monterey	309-MSD-04	San Carlos	E. coli	NF	235	MPN/100mL
Dry Run	9/16/23	10:10	Monterey	309-MSD-05	Steinbeck	E. coli	NF	235	MPN/100mL
Dry Run	9/16/23	10:20	Pacific Grove	309-PGSD-01	8th Street	E. coli	16580	235	MPN/100mL
Dry Run	9/16/23	10:28	Seaside/Sand City	309-SSD-02	Bay Street	E. coli	NF	235	MPN/100mL
Dry Run	9/16/23	10:30	Pacific Grove	309-PGSD-15	Sea Palm	E. coli	10	235	MPN/100mL
Dry Run	9/16/23	11:00	Pacific Grove	309-PGSD-03	Lover's Point	E. coli	1153	235	MPN/100mL
Dry Run	9/16/23	11:10	Pacific Grove	309-PGSD-04	Pico	E. coli	256	235	MPN/100mL
Dry Run	9/15/23	12:40	Carmel	307-CASD-02	Ocean Avenue	Enterococcus	NF	104	MPN/100mL
Dry Run	9/15/23	12:55	Carmel	307-CASD-01	4th Avenue	Enterococcus	10	104	MPN/100mL
Dry Run	9/15/23	14:20	Monterey County	309-SASD-02	Las Palmas	Enterococcus	NF	104	MPN/100mL
Dry Run	9/15/23	15:12	Monterey County	309-SASD-01	Boronda	Enterococcus	NF	104	MPN/100mL
Dry Run	9/16/23	9:25	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Enterococcus	991	104	MPN/100mL
Dry Run	9/16/23	9:45	Pacific Grove	309-CENTR-31	Greenwood Park	Enterococcus	167	104	MPN/100mL
Dry Run	9/16/23	10:10	Monterey	309-MSD-04	San Carlos	Enterococcus	NF	104	MPN/100mL
Dry Run	9/16/23	10:10	Monterey	309-MSD-05	Steinbeck	Enterococcus	NF	104	MPN/100mL

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
Dry Run	9/16/23	10:20	Pacific Grove	309-PGSD-01	8th Street	Enterococcus	368	104	MPN/100mL
Dry Run	9/16/23	10:28	Seaside/Sand City	309-SSD-02	Bay Street	Enterococcus	NF	104	MPN/100mL
Dry Run	9/16/23	10:30	Pacific Grove	309-PGSD-15	Sea Palm	Enterococcus	73	104	MPN/100mL
Dry Run	9/16/23	11:00	Pacific Grove	309-PGSD-03	Lover's Point	Enterococcus	121	104	MPN/100mL
Dry Run	9/16/23	11:10	Pacific Grove	309-PGSD-04	Pico	Enterococcus	41	104	MPN/100mL
Dry Run	9/15/23	12:40	Carmel	307-CASD-02	Ocean Avenue	Hardness	NF	≤ 10 or ≥ 2,000	mg/L
Dry Run	9/15/23	12:55	Carmel	307-CASD-01	4th Avenue	Hardness	485	≤ 10 or ≥ 2,000	mg/L
Dry Run	9/15/23	14:20	Monterey County	309-SASD-02	Las Palmas	Hardness	NF	≤ 10 or ≥ 2,000	mg/L
Dry Run	9/15/23	15:12	Monterey County	309-SASD-01	Boronda	Hardness	NF	≤ 10 or ≥ 2,000	mg/L
Dry Run	9/16/23	9:25	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Hardness	389	≤ 10 or ≥ 2,000	mg/L
Dry Run	9/16/23	9:45	Pacific Grove	309-CENTR-31	Greenwood Park	Hardness	364	≤ 10 or ≥ 2,000	mg/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-04	San Carlos	Hardness	NF	≤ 10 or ≥ 2,000	mg/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-05	Steinbeck	Hardness	NF	≤ 10 or ≥ 2,000	mg/L
Dry Run	9/16/23	10:20	Pacific Grove	309-PGSD-01	8th Street	Hardness	275	≤ 10 or ≥ 2,000	mg/L
Dry Run	9/16/23	10:28	Seaside/Sand City	309-SSD-02	Bay Street	Hardness	NF	≤ 10 or ≥ 2,000	mg/L
Dry Run	9/16/23	10:30	Pacific Grove	309-PGSD-15	Sea Palm	Hardness	291	≤ 10 or ≥ 2,000	mg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
Dry Run	9/16/23	11:00	Pacific Grove	309-PGSD-03	Lover's Point	Hardness	268	≤ 10 or ≥ 2,000	mg/L
Dry Run	9/16/23	11:10	Pacific Grove	309-PGSD-04	Pico	Hardness	202	≤ 10 or ≥ 2,000	mg/L
Dry Run	9/15/23	12:40	Carmel	307-CASD-02	Ocean Avenue	HF183	NF	NA	GC/mL
Dry Run	9/15/23	12:55	Carmel	307-CASD-01	4th Avenue	HF183	ND	NA	GC/mL
Dry Run	9/16/23	9:45	Pacific Grove	309-CENTR-31	Greenwood Park	HF183	7105	NA	GC/mL
Dry Run	9/16/23	10:20	Pacific Grove	309-PGSD-01	8th Street	HF183	ND	NA	GC/mL
Dry Run	9/16/23	10:30	Pacific Grove	309-PGSD-15	Sea Palm	HF183	ND	NA	GC/mL
Dry Run	9/16/23	11:00	Pacific Grove	309-PGSD-03	Lover's Point	HF183	ND	NA	GC/mL
Dry Run	9/16/23	11:10	Pacific Grove	309-PGSD-04	Pico	HF183	ND	NA	GC/mL
Dry Run	9/15/23	12:40	Carmel	307-CASD-02	Ocean Avenue	Lead	NF	30	µg/L
Dry Run	9/15/23	12:55	Carmel	307-CASD-01	4th Avenue	Lead	0.2	30	µg/L
Dry Run	9/15/23	14:20	Monterey County	309-SASD-02	Las Palmas	Lead	NF	30	µg/L
Dry Run	9/15/23	15:12	Monterey County	309-SASD-01	Boronda	Lead	NF	30	µg/L
Dry Run	9/16/23	9:25	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Lead	0.5	30	µg/L
Dry Run	9/16/23	9:45	Pacific Grove	309-CENTR-31	Greenwood Park	Lead	0.5	30	µg/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-04	San Carlos	Lead	NF	30	µg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
Dry Run	9/16/23	10:10	Monterey	309-MSD-05	Steinbeck	Lead	NF	30	µg/L
Dry Run	9/16/23	10:20	Pacific Grove	309-PGSD-01	8th Street	Lead	1.5	30	µg/L
Dry Run	9/16/23	10:28	Seaside/Sand City	309-SSD-02	Bay Street	Lead	NF	30	µg/L
Dry Run	9/16/23	10:30	Pacific Grove	309-PGSD-15	Sea Palm	Lead	0.2	30	µg/L
Dry Run	9/16/23	11:00	Pacific Grove	309-PGSD-03	Lover's Point	Lead	ND	30	µg/L
Dry Run	9/16/23	11:10	Pacific Grove	309-PGSD-04	Pico	Lead	0.3	30	µg/L
Dry Run	9/15/23	12:40	Carmel	307-CASD-02	Ocean Avenue	Nitrate	NF	2.25	mg-N/L
Dry Run	9/15/23	12:55	Carmel	307-CASD-01	4th Avenue	Nitrate	2.3	2.25	mg-N/L
Dry Run	9/15/23	14:20	Monterey County	309-SASD-02	Las Palmas	Nitrate	NF	2.25	mg-N/L
Dry Run	9/15/23	15:12	Monterey County	309-SASD-01	Boronda	Nitrate	NF	2.25	mg-N/L
Dry Run	9/16/23	9:25	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Nitrate	0.6	2.25	mg-N/L
Dry Run	9/16/23	9:45	Pacific Grove	309-CENTR-31	Greenwood Park	Nitrate	1.3	2.25	mg-N/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-04	San Carlos	Nitrate	NF	2.25	mg-N/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-05	Steinbeck	Nitrate	NF	2.25	mg-N/L
Dry Run	9/16/23	10:20	Pacific Grove	309-PGSD-01	8th Street	Nitrate	1.8	2.25	mg-N/L
Dry Run	9/16/23	10:28	Seaside/Sand City	309-SSD-02	Bay Street	Nitrate	NF	2.25	mg-N/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
Dry Run	9/16/23	10:30	Pacific Grove	309-PGSD-15	Sea Palm	Nitrate	3.1	2.25	mg-N/L
Dry Run	9/16/23	11:00	Pacific Grove	309-PGSD-03	Lover's Point	Nitrate	5.5	2.25	mg-N/L
Dry Run	9/16/23	11:10	Pacific Grove	309-PGSD-04	Pico	Nitrate	0.8	2.25	mg-N/L
Dry Run	9/15/23	12:40	Carmel	307-CASD-02	Ocean Avenue	Orthophosphate	NF	0.12	mg-P/L
Dry Run	9/15/23	12:55	Carmel	307-CASD-01	4th Avenue	Orthophosphate	0.07	0.12	mg-P/L
Dry Run	9/15/23	14:20	Monterey County	309-SASD-02	Las Palmas	Orthophosphate	NF	0.12	mg-P/L
Dry Run	9/15/23	15:12	Monterey County	309-SASD-01	Boronda	Orthophosphate	NF	0.12	mg-P/L
Dry Run	9/16/23	9:25	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Orthophosphate	0.21	0.12	mg-P/L
Dry Run	9/16/23	9:45	Pacific Grove	309-CENTR-31	Greenwood Park	Orthophosphate	0.13	0.12	mg-P/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-04	San Carlos	Orthophosphate	NF	0.12	mg-P/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-05	Steinbeck	Orthophosphate	NF	0.12	mg-P/L
Dry Run	9/16/23	10:20	Pacific Grove	309-PGSD-01	8th Street	Orthophosphate	0.41	0.12	mg-P/L
Dry Run	9/16/23	10:28	Seaside/Sand City	309-SSD-02	Bay Street	Orthophosphate	NF	0.12	mg-P/L
Dry Run	9/16/23	10:30	Pacific Grove	309-PGSD-15	Sea Palm	Orthophosphate	0.09	0.12	mg-P/L
Dry Run	9/16/23	11:00	Pacific Grove	309-PGSD-03	Lover's Point	Orthophosphate	0.09	0.12	mg-P/L
Dry Run	9/16/23	11:10	Pacific Grove	309-PGSD-04	Pico	Orthophosphate	ND	0.12	mg-P/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
Dry Run	9/15/23	12:40	Carmel	307-CASD-02	Ocean Avenue	Potassium	NF	20	mg/L
Dry Run	9/15/23	12:55	Carmel	307-CASD-01	4th Avenue	Potassium	20.9	20	mg/L
Dry Run	9/15/23	14:20	Monterey County	309-SASD-02	Las Palmas	Potassium	NF	20	mg/L
Dry Run	9/15/23	15:12	Monterey County	309-SASD-01	Boronda	Potassium	NF	20	mg/L
Dry Run	9/16/23	9:25	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Potassium	7.6	20	mg/L
Dry Run	9/16/23	9:45	Pacific Grove	309-CENTR-31	Greenwood Park	Potassium	8	20	mg/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-04	San Carlos	Potassium	NF	20	mg/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-05	Steinbeck	Potassium	NF	20	mg/L
Dry Run	9/16/23	10:20	Pacific Grove	309-PGSD-01	8th Street	Potassium	7.1	20	mg/L
Dry Run	9/16/23	10:28	Seaside/Sand City	309-SSD-02	Bay Street	Potassium	NF	20	mg/L
Dry Run	9/16/23	10:30	Pacific Grove	309-PGSD-15	Sea Palm	Potassium	6.2	20	mg/L
Dry Run	9/16/23	11:00	Pacific Grove	309-PGSD-03	Lover's Point	Potassium	2.6	20	mg/L
Dry Run	9/16/23	11:10	Pacific Grove	309-PGSD-04	Pico	Potassium	6.9	20	mg/L
Dry Run	9/15/23	12:40	Carmel	307-CASD-02	Ocean Avenue	Surfactants - MBAS	NF	0.2	mg/L
Dry Run	9/15/23	12:55	Carmel	307-CASD-01	4th Avenue	Surfactants - MBAS	0.2	0.2	mg/L
Dry Run	9/15/23	14:20	Monterey County	309-SASD-02	Las Palmas	Surfactants - MBAS	NF	0.2	mg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
Dry Run	9/15/23	15:12	Monterey County	309-SASD-01	Boronda	Surfactants - MBAS	NF	0.2	mg/L
Dry Run	9/16/23	9:25	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Surfactants - MBAS	0.24	0.2	mg/L
Dry Run	9/16/23	9:45	Pacific Grove	309-CENTR-31	Greenwood Park	Surfactants - MBAS	0.11	0.2	mg/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-04	San Carlos	Surfactants - MBAS	NF	0.2	mg/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-05	Steinbeck	Surfactants - MBAS	NF	0.2	mg/L
Dry Run	9/16/23	10:20	Pacific Grove	309-PGSD-01	8th Street	Surfactants - MBAS	0.14	0.2	mg/L
Dry Run	9/16/23	10:28	Seaside/Sand City	309-SSD-02	Bay Street	Surfactants - MBAS	NF	0.2	mg/L
Dry Run	9/16/23	10:30	Pacific Grove	309-PGSD-15	Sea Palm	Surfactants - MBAS	0.09	0.2	mg/L
Dry Run	9/16/23	11:00	Pacific Grove	309-PGSD-03	Lover's Point	Surfactants - MBAS	0.04	0.2	mg/L
Dry Run	9/16/23	11:10	Pacific Grove	309-PGSD-04	Pico	Surfactants - MBAS	0.07	0.2	mg/L
Dry Run	9/15/23	12:40	Carmel	307-CASD-02	Ocean Avenue	Total Suspended Solids	NF	500	mg/L
Dry Run	9/15/23	12:55	Carmel	307-CASD-01	4th Avenue	Total Suspended Solids	3	500	mg/L
Dry Run	9/15/23	14:20	Monterey County	309-SASD-02	Las Palmas	Total Suspended Solids	NF	500	mg/L
Dry Run	9/15/23	15:12	Monterey County	309-SASD-01	Boronda	Total Suspended Solids	NF	500	mg/L
Dry Run	9/16/23	9:25	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Total Suspended Solids	2	500	mg/L
Dry Run	9/16/23	9:45	Pacific Grove	309-CENTR-31	Greenwood Park	Total Suspended Solids	3	500	mg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
Dry Run	9/16/23	10:10	Monterey	309-MSD-04	San Carlos	Total Suspended Solids	NF	500	mg/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-05	Steinbeck	Total Suspended Solids	NF	500	mg/L
Dry Run	9/16/23	10:20	Pacific Grove	309-PGSD-01	8th Street	Total Suspended Solids	16	500	mg/L
Dry Run	9/16/23	10:28	Seaside/Sand City	309-SSD-02	Bay Street	Total Suspended Solids	NF	500	mg/L
Dry Run	9/16/23	10:30	Pacific Grove	309-PGSD-15	Sea Palm	Total Suspended Solids	ND	500	mg/L
Dry Run	9/16/23	11:00	Pacific Grove	309-PGSD-03	Lover's Point	Total Suspended Solids	ND	500	mg/L
Dry Run	9/16/23	11:10	Pacific Grove	309-PGSD-04	Pico	Total Suspended Solids	3	500	mg/L
Dry Run	9/15/23	12:40	Carmel	307-CASD-02	Ocean Avenue	Turbidity	NF	25	NTU
Dry Run	9/15/23	12:55	Carmel	307-CASD-01	4th Avenue	Turbidity	3.4	25	NTU
Dry Run	9/15/23	14:20	Monterey County	309-SASD-02	Las Palmas	Turbidity	NF	25	NTU
Dry Run	9/15/23	15:12	Monterey County	309-SASD-01	Boronda	Turbidity	NF	25	NTU
Dry Run	9/16/23	9:25	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Turbidity	2.1	25	NTU
Dry Run	9/16/23	9:45	Pacific Grove	309-CENTR-31	Greenwood Park	Turbidity	4.8	25	NTU
Dry Run	9/16/23	10:10	Monterey	309-MSD-04	San Carlos	Turbidity	NF	25	NTU
Dry Run	9/16/23	10:10	Monterey	309-MSD-05	Steinbeck	Turbidity	NF	25	NTU
Dry Run	9/16/23	10:20	Pacific Grove	309-PGSD-01	8th Street	Turbidity	8.4	25	NTU

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
Dry Run	9/16/23	10:28	Seaside/Sand City	309-SSD-02	Bay Street	Turbidity	NF	25	NTU
Dry Run	9/16/23	10:30	Pacific Grove	309-PGSD-15	Sea Palm	Turbidity	0.5	25	NTU
Dry Run	9/16/23	11:00	Pacific Grove	309-PGSD-03	Lover's Point	Turbidity	0.35	25	NTU
Dry Run	9/16/23	11:10	Pacific Grove	309-PGSD-04	Pico	Turbidity	10	25	NTU
Dry Run	9/15/23	12:40	Carmel	307-CASD-02	Ocean Avenue	Urea	NF	NA	mg-N/L
Dry Run	9/15/23	12:55	Carmel	307-CASD-01	4th Avenue	Urea	11	NA	mg-N/L
Dry Run	9/15/23	14:20	Monterey County	309-SASD-02	Las Palmas	Urea	NF	NA	mg-N/L
Dry Run	9/15/23	15:12	Monterey County	309-SASD-01	Boronda	Urea	NF	NA	mg-N/L
Dry Run	9/16/23	9:25	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Urea	117	NA	mg-N/L
Dry Run	9/16/23	9:45	Pacific Grove	309-CENTR-31	Greenwood Park	Urea	14	NA	mg-N/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-04	San Carlos	Urea	NF	NA	mg-N/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-05	Steinbeck	Urea	NF	NA	mg-N/L
Dry Run	9/16/23	10:20	Pacific Grove	309-PGSD-01	8th Street	Urea	25	NA	mg-N/L
Dry Run	9/16/23	10:28	Seaside/Sand City	309-SSD-02	Bay Street	Urea	NF	NA	mg-N/L
Dry Run	9/16/23	10:30	Pacific Grove	309-PGSD-15	Sea Palm	Urea	ND	NA	mg-N/L
Dry Run	9/16/23	11:00	Pacific Grove	309-PGSD-03	Lover's Point	Urea	ND	NA	mg-N/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
Dry Run	9/16/23	11:10	Pacific Grove	309-PGSD-04	Pico	Urea	10	NA	mg-N/L
Dry Run	9/15/23	12:40	Carmel	307-CASD-02	Ocean Avenue	Zinc	NF	200	µg/L
Dry Run	9/15/23	12:55	Carmel	307-CASD-01	4th Avenue	Zinc	ND	200	µg/L
Dry Run	9/15/23	14:20	Monterey County	309-SASD-02	Las Palmas	Zinc	NF	200	µg/L
Dry Run	9/15/23	15:12	Monterey County	309-SASD-01	Boronda	Zinc	NF	200	µg/L
Dry Run	9/16/23	9:25	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Zinc	23	200	µg/L
Dry Run	9/16/23	9:45	Pacific Grove	309-CENTR-31	Greenwood Park	Zinc	11	200	µg/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-04	San Carlos	Zinc	NF	200	µg/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-05	Steinbeck	Zinc	NF	200	µg/L
Dry Run	9/16/23	10:20	Pacific Grove	309-PGSD-01	8th Street	Zinc	22	200	µg/L
Dry Run	9/16/23	10:28	Seaside/Sand City	309-SSD-02	Bay Street	Zinc	NF	200	µg/L
Dry Run	9/16/23	10:30	Pacific Grove	309-PGSD-15	Sea Palm	Zinc	ND	200	µg/L
Dry Run	9/16/23	11:00	Pacific Grove	309-PGSD-03	Lover's Point	Zinc	ND	200	µg/L
Dry Run	9/16/23	11:10	Pacific Grove	309-PGSD-04	Pico	Zinc	12	200	µg/L
First Flush	11/18/23	5:20	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Ammonia	0.31	50	mg-N/L
First Flush	11/18/23	5:22	Monterey	309-MSD-05	Steinbeck	Ammonia	0.6	50	mg-N/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	5:25	Pacific Grove	309-PGSD-01	8th Street	Ammonia	0.19	50	mg-N/L
First Flush	11/18/23	5:28	Monterey	309-MSD-04	San Carlos	Ammonia	0.29	50	mg-N/L
First Flush	11/18/23	5:31	Seaside/Sand City	309-SSD-02	Bay Street	Ammonia	0.54	50	mg-N/L
First Flush	11/18/23	5:33	Carmel	307-CASD-02	Ocean Avenue	Ammonia	0.38	50	mg-N/L
First Flush	11/18/23	5:35	Pacific Grove	309-CENTR-31	Greenwood Park	Ammonia	0.46	50	mg-N/L
First Flush	11/18/23	5:52	Monterey	309-MSD-05	Steinbeck	Ammonia	0.43	50	mg-N/L
First Flush	11/18/23	5:54	Carmel	307-CASD-01	4th Avenue	Ammonia	0.36	50	mg-N/L
First Flush	11/18/23	5:55	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Ammonia	0.45	50	mg-N/L
First Flush	11/18/23	5:56	Pacific Grove	309-PGSD-01	8th Street	Ammonia	0.35	50	mg-N/L
First Flush	11/18/23	5:58	Monterey	309-MSD-04	San Carlos	Ammonia	0.27	50	mg-N/L
First Flush	11/18/23	6:04	Seaside/Sand City	309-SSD-02	Bay Street	Ammonia	0.56	50	mg-N/L
First Flush	11/18/23	6:05	Pacific Grove	309-CENTR-31	Greenwood Park	Ammonia	0.27	50	mg-N/L
First Flush	11/18/23	6:14	Carmel	307-CASD-02	Ocean Avenue	Ammonia	0.66	50	mg-N/L
First Flush	11/18/23	6:14	Monterey County	309-SASD-02	Las Palmas	Ammonia	0.15	50	mg-N/L
First Flush	11/18/23	6:17	Pacific Grove	309-PGSD-15	Sea Palm	Ammonia	0.25	50	mg-N/L
First Flush	11/18/23	6:22	Pacific Grove	309-PGSD-04	Pico	Ammonia	0.16	50	mg-N/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	6:32	Carmel	307-CASD-01	4th Avenue	Ammonia	0.33	50	mg-N/L
First Flush	11/18/23	6:37	Monterey County	309-SASD-02	Las Palmas	Ammonia	EM	50	mg-N/L
First Flush	11/18/23	6:47	Pacific Grove	309-PGSD-15	Sea Palm	Ammonia	0.17	50	mg-N/L
First Flush	11/18/23	6:48	Pacific Grove	309-PGSD-03	Lover's Point	Ammonia	0.23	50	mg-N/L
First Flush	11/18/23	6:51	Pacific Grove	309-PGSD-04	Pico	Ammonia	0.24	50	mg-N/L
First Flush	11/18/23	7:18	Pacific Grove	309-PGSD-03	Lover's Point	Ammonia	0.2	50	mg-N/L
First Flush	12/20/23	7:30	Monterey County	309-SASD-01	Boronda	Ammonia	0.19	50	mg-N/L
First Flush	12/20/23	8:00	Monterey County	309-SASD-01	Boronda	Ammonia	0.15	50	mg-N/L
First Flush	11/18/23	5:20	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Color	600	500	Color Units
First Flush	11/18/23	5:22	Monterey	309-MSD-05	Steinbeck	Color	100	500	Color Units
First Flush	11/18/23	5:25	Pacific Grove	309-PGSD-01	8th Street	Color	100	500	Color Units
First Flush	11/18/23	5:28	Monterey	309-MSD-04	San Carlos	Color	130	500	Color Units
First Flush	11/18/23	5:31	Seaside/Sand City	309-SSD-02	Bay Street	Color	400	500	Color Units
First Flush	11/18/23	5:33	Carmel	307-CASD-02	Ocean Avenue	Color	100	500	Color Units
First Flush	11/18/23	5:35	Pacific Grove	309-CENTR-31	Greenwood Park	Color	75	500	Color Units
First Flush	11/18/23	5:52	Monterey	309-MSD-05	Steinbeck	Color	100	500	Color Units

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	5:54	Carmel	307-CASD-01	4th Avenue	Color	1000	500	Color Units
First Flush	11/18/23	5:55	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Color	250	500	Color Units
First Flush	11/18/23	5:56	Pacific Grove	309-PGSD-01	8th Street	Color	200	500	Color Units
First Flush	11/18/23	5:58	Monterey	309-MSD-04	San Carlos	Color	130	500	Color Units
First Flush	11/18/23	6:04	Seaside/Sand City	309-SSD-02	Bay Street	Color	250	500	Color Units
First Flush	11/18/23	6:05	Pacific Grove	309-CENTR-31	Greenwood Park	Color	100	500	Color Units
First Flush	11/18/23	6:14	Carmel	307-CASD-02	Ocean Avenue	Color	115	500	Color Units
First Flush	11/18/23	6:14	Monterey County	309-SASD-02	Las Palmas	Color	300	500	Color Units
First Flush	11/18/23	6:17	Pacific Grove	309-PGSD-15	Sea Palm	Color	200	500	Color Units
First Flush	11/18/23	6:22	Pacific Grove	309-PGSD-04	Pico	Color	150	500	Color Units
First Flush	11/18/23	6:32	Carmel	307-CASD-01	4th Avenue	Color	300	500	Color Units
First Flush	11/18/23	6:37	Monterey County	309-SASD-02	Las Palmas	Color	EM	500	Color Units
First Flush	11/18/23	6:47	Pacific Grove	309-PGSD-15	Sea Palm	Color	150	500	Color Units
First Flush	11/18/23	6:48	Pacific Grove	309-PGSD-03	Lover's Point	Color	75	500	Color Units
First Flush	11/18/23	6:51	Pacific Grove	309-PGSD-04	Pico	Color	150	500	Color Units
First Flush	11/18/23	7:18	Pacific Grove	309-PGSD-03	Lover's Point	Color	100	500	Color Units

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	12/20/23	7:30	Monterey County	309-SASD-01	Boronda	Color	750	500	Color Units
First Flush	12/20/23	8:00	Monterey County	309-SASD-01	Boronda	Color	250	500	Color Units
First Flush	11/18/23	5:20	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Copper	37.6	30	µg/L
First Flush	11/18/23	5:22	Monterey	309-MSD-05	Steinbeck	Copper	14.7	30	µg/L
First Flush	11/18/23	5:25	Pacific Grove	309-PGSD-01	8th Street	Copper	17.7	30	µg/L
First Flush	11/18/23	5:28	Monterey	309-MSD-04	San Carlos	Copper	20.2	30	µg/L
First Flush	11/18/23	5:31	Seaside/Sand City	309-SSD-02	Bay Street	Copper	95	30	µg/L
First Flush	11/18/23	5:33	Carmel	307-CASD-02	Ocean Avenue	Copper	54.3	30	µg/L
First Flush	11/18/23	5:35	Pacific Grove	309-CENTR-31	Greenwood Park	Copper	17	30	µg/L
First Flush	11/18/23	5:52	Monterey	309-MSD-05	Steinbeck	Copper	31	30	µg/L
First Flush	11/18/23	5:54	Carmel	307-CASD-01	4th Avenue	Copper	325	30	µg/L
First Flush	11/18/23	5:55	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Copper	72.2	30	µg/L
First Flush	11/18/23	5:56	Pacific Grove	309-PGSD-01	8th Street	Copper	26.2	30	µg/L
First Flush	11/18/23	5:58	Monterey	309-MSD-04	San Carlos	Copper	18.8	30	µg/L
First Flush	11/18/23	6:04	Seaside/Sand City	309-SSD-02	Bay Street	Copper	43.5	30	µg/L
First Flush	11/18/23	6:05	Pacific Grove	309-CENTR-31	Greenwood Park	Copper	22.1	30	µg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	6:14	Carmel	307-CASD-02	Ocean Avenue	Copper	55.9	30	µg/L
First Flush	11/18/23	6:14	Monterey County	309-SASD-02	Las Palmas	Copper	20.9	30	µg/L
First Flush	11/18/23	6:17	Pacific Grove	309-PGSD-15	Sea Palm	Copper	27.8	30	µg/L
First Flush	11/18/23	6:22	Pacific Grove	309-PGSD-04	Pico	Copper	26.8	30	µg/L
First Flush	11/18/23	6:32	Carmel	307-CASD-01	4th Avenue	Copper	65.3	30	µg/L
First Flush	11/18/23	6:37	Monterey County	309-SASD-02	Las Palmas	Copper	EM	30	µg/L
First Flush	11/18/23	6:47	Pacific Grove	309-PGSD-15	Sea Palm	Copper	26.1	30	µg/L
First Flush	11/18/23	6:48	Pacific Grove	309-PGSD-03	Lover's Point	Copper	14.4	30	µg/L
First Flush	11/18/23	6:51	Pacific Grove	309-PGSD-04	Pico	Copper	26.9	30	µg/L
First Flush	11/18/23	7:18	Pacific Grove	309-PGSD-03	Lover's Point	Copper	14.3	30	µg/L
First Flush	12/20/23	7:30	Monterey County	309-SASD-01	Boronda	Copper	34	30	µg/L
First Flush	12/20/23	8:00	Monterey County	309-SASD-01	Boronda	Copper	19	30	µg/L
First Flush	11/18/23	5:20	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	E. coli	48392	235	MPN/100mL
First Flush	11/18/23	5:22	Monterey	309-MSD-05	Steinbeck	E. coli	48392	235	MPN/100mL
First Flush	11/18/23	5:25	Pacific Grove	309-PGSD-01	8th Street	E. coli	18416	235	MPN/100mL
First Flush	11/18/23	5:28	Monterey	309-MSD-04	San Carlos	E. coli	31062	235	MPN/100mL

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	5:31	Seaside/Sand City	309-SSD-02	Bay Street	E. coli	155310	235	MPN/100mL
First Flush	11/18/23	5:33	Carmel	307-CASD-02	Ocean Avenue	E. coli	22398	235	MPN/100mL
First Flush	11/18/23	5:35	Pacific Grove	309-CENTR-31	Greenwood Park	E. coli	48392	235	MPN/100mL
First Flush	11/18/23	5:52	Monterey	309-MSD-05	Steinbeck	E. coli	24066	235	MPN/100mL
First Flush	11/18/23	5:54	Carmel	307-CASD-01	4th Avenue	E. coli	34658	235	MPN/100mL
First Flush	11/18/23	5:55	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	E. coli	34658	235	MPN/100mL
First Flush	11/18/23	5:56	Pacific Grove	309-PGSD-01	8th Street	E. coli	77010	235	MPN/100mL
First Flush	11/18/23	5:58	Monterey	309-MSD-04	San Carlos	E. coli	20924	235	MPN/100mL
First Flush	11/18/23	6:04	Seaside/Sand City	309-SSD-02	Bay Street	E. coli	48392	235	MPN/100mL
First Flush	11/18/23	6:05	Pacific Grove	309-CENTR-31	Greenwood Park	E. coli	25994	235	MPN/100mL
First Flush	11/18/23	6:14	Carmel	307-CASD-02	Ocean Avenue	E. coli	33999	235	MPN/100mL
First Flush	11/18/23	6:14	Monterey County	309-SASD-02	Las Palmas	E. coli	120330	235	MPN/100mL
First Flush	11/18/23	6:17	Pacific Grove	309-PGSD-15	Sea Palm	E. coli	28272	235	MPN/100mL
First Flush	11/18/23	6:22	Pacific Grove	309-PGSD-04	Pico	E. coli	34480	235	MPN/100mL
First Flush	11/18/23	6:32	Carmel	307-CASD-01	4th Avenue	E. coli	34658	235	MPN/100mL
First Flush	11/18/23	6:37	Monterey County	309-SASD-02	Las Palmas	E. coli	EM	235	MPN/100mL

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	6:47	Pacific Grove	309-PGSD-15	Sea Palm	E. coli	19608	235	MPN/100mL
First Flush	11/18/23	6:48	Pacific Grove	309-PGSD-03	Lover's Point	E. coli	19608	235	MPN/100mL
First Flush	11/18/23	6:51	Pacific Grove	309-PGSD-04	Pico	E. coli	48392	235	MPN/100mL
First Flush	11/18/23	7:18	Pacific Grove	309-PGSD-03	Lover's Point	E. coli	34658	235	MPN/100mL
First Flush	12/20/23	7:30	Monterey County	309-SASD-01	Boronda	E. coli	23820	235	MPN/100mL
First Flush	12/20/23	8:00	Monterey County	309-SASD-01	Boronda	E. coli	19890	235	MPN/100mL
First Flush	11/18/23	5:20	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Enterococcus	39726	104	MPN/100mL
First Flush	11/18/23	5:22	Monterey	309-MSD-05	Steinbeck	Enterococcus	98040	104	MPN/100mL
First Flush	11/18/23	5:25	Pacific Grove	309-PGSD-01	8th Street	Enterococcus	14970	104	MPN/100mL
First Flush	11/18/23	5:28	Monterey	309-MSD-04	San Carlos	Enterococcus	48392	104	MPN/100mL
First Flush	11/18/23	5:31	Seaside/Sand City	309-SSD-02	Bay Street	Enterococcus	92080	104	MPN/100mL
First Flush	11/18/23	5:33	Carmel	307-CASD-02	Ocean Avenue	Enterococcus	48392	104	MPN/100mL
First Flush	11/18/23	5:35	Pacific Grove	309-CENTR-31	Greenwood Park	Enterococcus	13880	104	MPN/100mL
First Flush	11/18/23	5:52	Monterey	309-MSD-05	Steinbeck	Enterococcus	60150	104	MPN/100mL
First Flush	11/18/23	5:54	Carmel	307-CASD-01	4th Avenue	Enterococcus	34658	104	MPN/100mL
First Flush	11/18/23	5:55	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Enterococcus	48392	104	MPN/100mL

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	5:56	Pacific Grove	309-PGSD-01	8th Street	Enterococcus	31690	104	MPN/100mL
First Flush	11/18/23	5:58	Monterey	309-MSD-04	San Carlos	Enterococcus	22398	104	MPN/100mL
First Flush	11/18/23	6:04	Seaside/Sand City	309-SSD-02	Bay Street	Enterococcus	48392	104	MPN/100mL
First Flush	11/18/23	6:05	Pacific Grove	309-CENTR-31	Greenwood Park	Enterococcus	10630	104	MPN/100mL
First Flush	11/18/23	6:14	Carmel	307-CASD-02	Ocean Avenue	Enterococcus	13064	104	MPN/100mL
First Flush	11/18/23	6:14	Monterey County	309-SASD-02	Las Palmas	Enterococcus	48392	104	MPN/100mL
First Flush	11/18/23	6:17	Pacific Grove	309-PGSD-15	Sea Palm	Enterococcus	39726	104	MPN/100mL
First Flush	11/18/23	6:22	Pacific Grove	309-PGSD-04	Pico	Enterococcus	32550	104	MPN/100mL
First Flush	11/18/23	6:32	Carmel	307-CASD-01	4th Avenue	Enterococcus	39726	104	MPN/100mL
First Flush	11/18/23	6:37	Monterey County	309-SASD-02	Las Palmas	Enterococcus	EM	104	MPN/100mL
First Flush	11/18/23	6:47	Pacific Grove	309-PGSD-15	Sea Palm	Enterococcus	3460	104	MPN/100mL
First Flush	11/18/23	6:48	Pacific Grove	309-PGSD-03	Lover's Point	Enterococcus	6650	104	MPN/100mL
First Flush	11/18/23	6:51	Pacific Grove	309-PGSD-04	Pico	Enterococcus	18278	104	MPN/100mL
First Flush	11/18/23	7:18	Pacific Grove	309-PGSD-03	Lover's Point	Enterococcus	25994	104	MPN/100mL
First Flush	12/20/23	7:30	Monterey County	309-SASD-01	Boronda	Enterococcus	64880	104	MPN/100mL
First Flush	12/20/23	8:00	Monterey County	309-SASD-01	Boronda	Enterococcus	98040	104	MPN/100mL

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	5:20	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Hardness	33	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	5:22	Monterey	309-MSD-05	Steinbeck	Hardness	16	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	5:25	Pacific Grove	309-PGSD-01	8th Street	Hardness	29	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	5:28	Monterey	309-MSD-04	San Carlos	Hardness	24	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	5:31	Seaside/Sand City	309-SSD-02	Bay Street	Hardness	58	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	5:33	Carmel	307-CASD-02	Ocean Avenue	Hardness	38	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	5:35	Pacific Grove	309-CENTR-31	Greenwood Park	Hardness	26	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	5:52	Monterey	309-MSD-05	Steinbeck	Hardness	26	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	5:54	Carmel	307-CASD-01	4th Avenue	Hardness	246	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	5:55	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Hardness	53	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	5:56	Pacific Grove	309-PGSD-01	8th Street	Hardness	48	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	5:58	Monterey	309-MSD-04	San Carlos	Hardness	23	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	6:04	Seaside/Sand City	309-SSD-02	Bay Street	Hardness	52	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	6:05	Pacific Grove	309-CENTR-31	Greenwood Park	Hardness	ND	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	6:14	Carmel	307-CASD-02	Ocean Avenue	Hardness	34	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	6:14	Monterey County	309-SASD-02	Las Palmas	Hardness	57	≤ 10 or ≥ 2,000	mg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	6:17	Pacific Grove	309-PGSD-15	Sea Palm	Hardness	31	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	6:22	Pacific Grove	309-PGSD-04	Pico	Hardness	25	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	6:32	Carmel	307-CASD-01	4th Avenue	Hardness	55	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	6:37	Monterey County	309-SASD-02	Las Palmas	Hardness	EM	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	6:47	Pacific Grove	309-PGSD-15	Sea Palm	Hardness	34	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	6:48	Pacific Grove	309-PGSD-03	Lover's Point	Hardness	22	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	6:51	Pacific Grove	309-PGSD-04	Pico	Hardness	44	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	7:18	Pacific Grove	309-PGSD-03	Lover's Point	Hardness	23	≤ 10 or ≥ 2,000	mg/L
First Flush	12/20/23	7:30	Monterey County	309-SASD-01	Boronda	Hardness	84	≤ 10 or ≥ 2,000	mg/L
First Flush	12/20/23	8:00	Monterey County	309-SASD-01	Boronda	Hardness	56	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	5:25	Pacific Grove	309-PGSD-01	8th Street	HF183	ND	NA	GC/mL
First Flush	11/18/23	5:33	Carmel	307-CASD-02	Ocean Avenue	HF183	ND	NA	GC/mL
First Flush	11/18/23	5:35	Pacific Grove	309-CENTR-31	Greenwood Park	HF183	ND	NA	GC/mL
First Flush	11/18/23	5:54	Carmel	307-CASD-01	4th Avenue	HF183	348	NA	GC/mL
First Flush	11/18/23	5:56	Pacific Grove	309-PGSD-01	8th Street	HF183	ND	NA	GC/mL
First Flush	11/18/23	6:05	Pacific Grove	309-CENTR-31	Greenwood Park	HF183	ND	NA	GC/mL

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	6:14	Carmel	307-CASD-02	Ocean Avenue	HF183	ND	NA	GC/mL
First Flush	11/18/23	6:17	Pacific Grove	309-PGSD-15	Sea Palm	HF183	ND	NA	GC/mL
First Flush	11/18/23	6:22	Pacific Grove	309-PGSD-04	Pico	HF183	ND	NA	GC/mL
First Flush	11/18/23	6:32	Carmel	307-CASD-01	4th Avenue	HF183	ND	NA	GC/mL
First Flush	11/18/23	6:47	Pacific Grove	309-PGSD-15	Sea Palm	HF183	ND	NA	GC/mL
First Flush	11/18/23	6:48	Pacific Grove	309-PGSD-03	Lover's Point	HF183	ND	NA	GC/mL
First Flush	11/18/23	6:51	Pacific Grove	309-PGSD-04	Pico	HF183	ND	NA	GC/mL
First Flush	11/18/23	7:18	Pacific Grove	309-PGSD-03	Lover's Point	HF183	4	NA	GC/mL
First Flush	11/18/23	5:20	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Lead	34.2	30	µg/L
First Flush	11/18/23	5:22	Monterey	309-MSD-05	Steinbeck	Lead	3.3	30	µg/L
First Flush	11/18/23	5:25	Pacific Grove	309-PGSD-01	8th Street	Lead	5.4	30	µg/L
First Flush	11/18/23	5:28	Monterey	309-MSD-04	San Carlos	Lead	4.2	30	µg/L
First Flush	11/18/23	5:31	Seaside/Sand City	309-SSD-02	Bay Street	Lead	43.4	30	µg/L
First Flush	11/18/23	5:33	Carmel	307-CASD-02	Ocean Avenue	Lead	10	30	µg/L
First Flush	11/18/23	5:35	Pacific Grove	309-CENTR-31	Greenwood Park	Lead	3.9	30	µg/L
First Flush	11/18/23	5:52	Monterey	309-MSD-05	Steinbeck	Lead	16.3	30	µg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	5:54	Carmel	307-CASD-01	4th Avenue	Lead	217	30	µg/L
First Flush	11/18/23	5:55	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Lead	123	30	µg/L
First Flush	11/18/23	5:56	Pacific Grove	309-PGSD-01	8th Street	Lead	11.2	30	µg/L
First Flush	11/18/23	5:58	Monterey	309-MSD-04	San Carlos	Lead	6.1	30	µg/L
First Flush	11/18/23	6:04	Seaside/Sand City	309-SSD-02	Bay Street	Lead	21.5	30	µg/L
First Flush	11/18/23	6:05	Pacific Grove	309-CENTR-31	Greenwood Park	Lead	15.4	30	µg/L
First Flush	11/18/23	6:14	Carmel	307-CASD-02	Ocean Avenue	Lead	3.5	30	µg/L
First Flush	11/18/23	6:14	Monterey County	309-SASD-02	Las Palmas	Lead	4.4	30	µg/L
First Flush	11/18/23	6:17	Pacific Grove	309-PGSD-15	Sea Palm	Lead	13.4	30	µg/L
First Flush	11/18/23	6:22	Pacific Grove	309-PGSD-04	Pico	Lead	16.7	30	µg/L
First Flush	11/18/23	6:32	Carmel	307-CASD-01	4th Avenue	Lead	17	30	µg/L
First Flush	11/18/23	6:37	Monterey County	309-SASD-02	Las Palmas	Lead	EM	30	µg/L
First Flush	11/18/23	6:47	Pacific Grove	309-PGSD-15	Sea Palm	Lead	18.2	30	µg/L
First Flush	11/18/23	6:48	Pacific Grove	309-PGSD-03	Lover's Point	Lead	4	30	µg/L
First Flush	11/18/23	6:51	Pacific Grove	309-PGSD-04	Pico	Lead	3.8	30	µg/L
First Flush	11/18/23	7:18	Pacific Grove	309-PGSD-03	Lover's Point	Lead	4.4	30	µg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	12/20/23	7:30	Monterey County	309-SASD-01	Boronda	Lead	14.7	30	µg/L
First Flush	12/20/23	8:00	Monterey County	309-SASD-01	Boronda	Lead	6.4	30	µg/L
First Flush	11/18/23	5:20	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Nitrate	0.3	2.25	mg-N/L
First Flush	11/18/23	5:22	Monterey	309-MSD-05	Steinbeck	Nitrate	0.2	2.25	mg-N/L
First Flush	11/18/23	5:25	Pacific Grove	309-PGSD-01	8th Street	Nitrate	0.2	2.25	mg-N/L
First Flush	11/18/23	5:28	Monterey	309-MSD-04	San Carlos	Nitrate	0.5	2.25	mg-N/L
First Flush	11/18/23	5:31	Seaside/Sand City	309-SSD-02	Bay Street	Nitrate	0.3	2.25	mg-N/L
First Flush	11/18/23	5:33	Carmel	307-CASD-02	Ocean Avenue	Nitrate	0.3	2.25	mg-N/L
First Flush	11/18/23	5:35	Pacific Grove	309-CENTR-31	Greenwood Park	Nitrate	0.3	2.25	mg-N/L
First Flush	11/18/23	5:52	Monterey	309-MSD-05	Steinbeck	Nitrate	ND	2.25	mg-N/L
First Flush	11/18/23	5:54	Carmel	307-CASD-01	4th Avenue	Nitrate	0.4	2.25	mg-N/L
First Flush	11/18/23	5:55	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Nitrate	0.2	2.25	mg-N/L
First Flush	11/18/23	5:56	Pacific Grove	309-PGSD-01	8th Street	Nitrate	0.3	2.25	mg-N/L
First Flush	11/18/23	5:58	Monterey	309-MSD-04	San Carlos	Nitrate	0.3	2.25	mg-N/L
First Flush	11/18/23	6:04	Seaside/Sand City	309-SSD-02	Bay Street	Nitrate	0.3	2.25	mg-N/L
First Flush	11/18/23	6:05	Pacific Grove	309-CENTR-31	Greenwood Park	Nitrate	ND	2.25	mg-N/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	6:14	Carmel	307-CASD-02	Ocean Avenue	Nitrate	0.4	2.25	mg-N/L
First Flush	11/18/23	6:14	Monterey County	309-SASD-02	Las Palmas	Nitrate	0.3	2.25	mg-N/L
First Flush	11/18/23	6:17	Pacific Grove	309-PGSD-15	Sea Palm	Nitrate	0.4	2.25	mg-N/L
First Flush	11/18/23	6:22	Pacific Grove	309-PGSD-04	Pico	Nitrate	ND	2.25	mg-N/L
First Flush	11/18/23	6:32	Carmel	307-CASD-01	4th Avenue	Nitrate	0.6	2.25	mg-N/L
First Flush	11/18/23	6:37	Monterey County	309-SASD-02	Las Palmas	Nitrate	EM	2.25	mg-N/L
First Flush	11/18/23	6:47	Pacific Grove	309-PGSD-15	Sea Palm	Nitrate	0.3	2.25	mg-N/L
First Flush	11/18/23	6:48	Pacific Grove	309-PGSD-03	Lover's Point	Nitrate	0.2	2.25	mg-N/L
First Flush	11/18/23	6:51	Pacific Grove	309-PGSD-04	Pico	Nitrate	0.2	2.25	mg-N/L
First Flush	11/18/23	7:18	Pacific Grove	309-PGSD-03	Lover's Point	Nitrate	0.2	2.25	mg-N/L
First Flush	12/20/23	7:30	Monterey County	309-SASD-01	Boronda	Nitrate	ND	2.25	mg-N/L
First Flush	12/20/23	8:00	Monterey County	309-SASD-01	Boronda	Nitrate	0.3	2.25	mg-N/L
First Flush	11/18/23	5:20	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Orthophosphate	0.3	0.12	mg-P/L
First Flush	11/18/23	5:22	Monterey	309-MSD-05	Steinbeck	Orthophosphate	0.39	0.12	mg-P/L
First Flush	11/18/23	5:25	Pacific Grove	309-PGSD-01	8th Street	Orthophosphate	0.28	0.12	mg-P/L
First Flush	11/18/23	5:28	Monterey	309-MSD-04	San Carlos	Orthophosphate	0.28	0.12	mg-P/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	5:31	Seaside/Sand City	309-SSD-02	Bay Street	Orthophosphate	0.25	0.12	mg-P/L
First Flush	11/18/23	5:33	Carmel	307-CASD-02	Ocean Avenue	Orthophosphate	0.4	0.12	mg-P/L
First Flush	11/18/23	5:35	Pacific Grove	309-CENTR-31	Greenwood Park	Orthophosphate	0.41	0.12	mg-P/L
First Flush	11/18/23	5:52	Monterey	309-MSD-05	Steinbeck	Orthophosphate	0.27	0.12	mg-P/L
First Flush	11/18/23	5:54	Carmel	307-CASD-01	4th Avenue	Orthophosphate	0.29	0.12	mg-P/L
First Flush	11/18/23	5:55	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Orthophosphate	0.24	0.12	mg-P/L
First Flush	11/18/23	5:56	Pacific Grove	309-PGSD-01	8th Street	Orthophosphate	0.43	0.12	mg-P/L
First Flush	11/18/23	5:58	Monterey	309-MSD-04	San Carlos	Orthophosphate	0.27	0.12	mg-P/L
First Flush	11/18/23	6:04	Seaside/Sand City	309-SSD-02	Bay Street	Orthophosphate	0.25	0.12	mg-P/L
First Flush	11/18/23	6:05	Pacific Grove	309-CENTR-31	Greenwood Park	Orthophosphate	0.26	0.12	mg-P/L
First Flush	11/18/23	6:14	Carmel	307-CASD-02	Ocean Avenue	Orthophosphate	0.51	0.12	mg-P/L
First Flush	11/18/23	6:14	Monterey County	309-SASD-02	Las Palmas	Orthophosphate	0.38	0.12	mg-P/L
First Flush	11/18/23	6:17	Pacific Grove	309-PGSD-15	Sea Palm	Orthophosphate	0.58	0.12	mg-P/L
First Flush	11/18/23	6:22	Pacific Grove	309-PGSD-04	Pico	Orthophosphate	0.24	0.12	mg-P/L
First Flush	11/18/23	6:32	Carmel	307-CASD-01	4th Avenue	Orthophosphate	0.46	0.12	mg-P/L
First Flush	11/18/23	6:37	Monterey County	309-SASD-02	Las Palmas	Orthophosphate	EM	0.12	mg-P/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	6:47	Pacific Grove	309-PGSD-15	Sea Palm	Orthophosphate	0.31	0.12	mg-P/L
First Flush	11/18/23	6:48	Pacific Grove	309-PGSD-03	Lover's Point	Orthophosphate	0.29	0.12	mg-P/L
First Flush	11/18/23	6:51	Pacific Grove	309-PGSD-04	Pico	Orthophosphate	0.34	0.12	mg-P/L
First Flush	11/18/23	7:18	Pacific Grove	309-PGSD-03	Lover's Point	Orthophosphate	0.31	0.12	mg-P/L
First Flush	12/20/23	7:30	Monterey County	309-SASD-01	Boronda	Orthophosphate	0.24	0.12	mg-P/L
First Flush	12/20/23	8:00	Monterey County	309-SASD-01	Boronda	Orthophosphate	0.37	0.12	mg-P/L
First Flush	11/18/23	5:20	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Potassium	2.8	20	mg/L
First Flush	11/18/23	5:22	Monterey	309-MSD-05	Steinbeck	Potassium	2	20	mg/L
First Flush	11/18/23	5:25	Pacific Grove	309-PGSD-01	8th Street	Potassium	3.8	20	mg/L
First Flush	11/18/23	5:28	Monterey	309-MSD-04	San Carlos	Potassium	2.8	20	mg/L
First Flush	11/18/23	5:31	Seaside/Sand City	309-SSD-02	Bay Street	Potassium	4.1	20	mg/L
First Flush	11/18/23	5:33	Carmel	307-CASD-02	Ocean Avenue	Potassium	6.3	20	mg/L
First Flush	11/18/23	5:35	Pacific Grove	309-CENTR-31	Greenwood Park	Potassium	4.9	20	mg/L
First Flush	11/18/23	5:52	Monterey	309-MSD-05	Steinbeck	Potassium	1.9	20	mg/L
First Flush	11/18/23	5:54	Carmel	307-CASD-01	4th Avenue	Potassium	15	20	mg/L
First Flush	11/18/23	5:55	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Potassium	4.8	20	mg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	5:56	Pacific Grove	309-PGSD-01	8th Street	Potassium	9.1	20	mg/L
First Flush	11/18/23	5:58	Monterey	309-MSD-04	San Carlos	Potassium	2.7	20	mg/L
First Flush	11/18/23	6:04	Seaside/Sand City	309-SSD-02	Bay Street	Potassium	4.6	20	mg/L
First Flush	11/18/23	6:05	Pacific Grove	309-CENTR-31	Greenwood Park	Potassium	ND	20	mg/L
First Flush	11/18/23	6:14	Carmel	307-CASD-02	Ocean Avenue	Potassium	7	20	mg/L
First Flush	11/18/23	6:14	Monterey County	309-SASD-02	Las Palmas	Potassium	3.9	20	mg/L
First Flush	11/18/23	6:17	Pacific Grove	309-PGSD-15	Sea Palm	Potassium	7.4	20	mg/L
First Flush	11/18/23	6:22	Pacific Grove	309-PGSD-04	Pico	Potassium	3.5	20	mg/L
First Flush	11/18/23	6:32	Carmel	307-CASD-01	4th Avenue	Potassium	9.2	20	mg/L
First Flush	11/18/23	6:37	Monterey County	309-SASD-02	Las Palmas	Potassium	EM	20	mg/L
First Flush	11/18/23	6:47	Pacific Grove	309-PGSD-15	Sea Palm	Potassium	5.1	20	mg/L
First Flush	11/18/23	6:48	Pacific Grove	309-PGSD-03	Lover's Point	Potassium	2.9	20	mg/L
First Flush	11/18/23	6:51	Pacific Grove	309-PGSD-04	Pico	Potassium	7.6	20	mg/L
First Flush	11/18/23	7:18	Pacific Grove	309-PGSD-03	Lover's Point	Potassium	3.5	20	mg/L
First Flush	12/20/23	7:30	Monterey County	309-SASD-01	Boronda	Potassium	4.4	20	mg/L
First Flush	12/20/23	8:00	Monterey County	309-SASD-01	Boronda	Potassium	3.3	20	mg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	5:20	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Surfactants - MBAS	0.17	0.2	mg/L
First Flush	11/18/23	5:22	Monterey	309-MSD-05	Steinbeck	Surfactants - MBAS	0.25	0.2	mg/L
First Flush	11/18/23	5:25	Pacific Grove	309-PGSD-01	8th Street	Surfactants - MBAS	0.34	0.2	mg/L
First Flush	11/18/23	5:28	Monterey	309-MSD-04	San Carlos	Surfactants - MBAS	0.3	0.2	mg/L
First Flush	11/18/23	5:31	Seaside/Sand City	309-SSD-02	Bay Street	Surfactants - MBAS	0.49	0.2	mg/L
First Flush	11/18/23	5:33	Carmel	307-CASD-02	Ocean Avenue	Surfactants - MBAS	0.41	0.2	mg/L
First Flush	11/18/23	5:35	Pacific Grove	309-CENTR-31	Greenwood Park	Surfactants - MBAS	0.3	0.2	mg/L
First Flush	11/18/23	5:52	Monterey	309-MSD-05	Steinbeck	Surfactants - MBAS	0.3	0.2	mg/L
First Flush	11/18/23	5:54	Carmel	307-CASD-01	4th Avenue	Surfactants - MBAS	0.13	0.2	mg/L
First Flush	11/18/23	5:55	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Surfactants - MBAS	0.26	0.2	mg/L
First Flush	11/18/23	5:56	Pacific Grove	309-PGSD-01	8th Street	Surfactants - MBAS	0.26	0.2	mg/L
First Flush	11/18/23	5:58	Monterey	309-MSD-04	San Carlos	Surfactants - MBAS	0.24	0.2	mg/L
First Flush	11/18/23	6:04	Seaside/Sand City	309-SSD-02	Bay Street	Surfactants - MBAS	0.5	0.2	mg/L
First Flush	11/18/23	6:05	Pacific Grove	309-CENTR-31	Greenwood Park	Surfactants - MBAS	0.22	0.2	mg/L
First Flush	11/18/23	6:14	Carmel	307-CASD-02	Ocean Avenue	Surfactants - MBAS	0.36	0.2	mg/L
First Flush	11/18/23	6:14	Monterey County	309-SASD-02	Las Palmas	Surfactants - MBAS	0.16	0.2	mg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	6:17	Pacific Grove	309-PGSD-15	Sea Palm	Surfactants - MBAS	0.3	0.2	mg/L
First Flush	11/18/23	6:22	Pacific Grove	309-PGSD-04	Pico	Surfactants - MBAS	0.22	0.2	mg/L
First Flush	11/18/23	6:32	Carmel	307-CASD-01	4th Avenue	Surfactants - MBAS	0.24	0.2	mg/L
First Flush	11/18/23	6:37	Monterey County	309-SASD-02	Las Palmas	Surfactants - MBAS	EM	0.2	mg/L
First Flush	11/18/23	6:47	Pacific Grove	309-PGSD-15	Sea Palm	Surfactants - MBAS	0.25	0.2	mg/L
First Flush	11/18/23	6:48	Pacific Grove	309-PGSD-03	Lover's Point	Surfactants - MBAS	0.23	0.2	mg/L
First Flush	11/18/23	6:51	Pacific Grove	309-PGSD-04	Pico	Surfactants - MBAS	0.38	0.2	mg/L
First Flush	11/18/23	7:18	Pacific Grove	309-PGSD-03	Lover's Point	Surfactants - MBAS	0.33	0.2	mg/L
First Flush	12/20/23	7:30	Monterey County	309-SASD-01	Boronda	Surfactants - MBAS	0.04	0.2	mg/L
First Flush	12/20/23	8:00	Monterey County	309-SASD-01	Boronda	Surfactants - MBAS	0.05	0.2	mg/L
First Flush	11/18/23	5:20	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Total Suspended Solids	580	500	mg/L
First Flush	11/18/23	5:22	Monterey	309-MSD-05	Steinbeck	Total Suspended Solids	32	500	mg/L
First Flush	11/18/23	5:25	Pacific Grove	309-PGSD-01	8th Street	Total Suspended Solids	34	500	mg/L
First Flush	11/18/23	5:28	Monterey	309-MSD-04	San Carlos	Total Suspended Solids	25	500	mg/L
First Flush	11/18/23	5:31	Seaside/Sand City	309-SSD-02	Bay Street	Total Suspended Solids	210	500	mg/L
First Flush	11/18/23	5:33	Carmel	307-CASD-02	Ocean Avenue	Total Suspended Solids	25	500	mg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	5:35	Pacific Grove	309-CENTR-31	Greenwood Park	Total Suspended Solids	32	500	mg/L
First Flush	11/18/23	5:52	Monterey	309-MSD-05	Steinbeck	Total Suspended Solids	175	500	mg/L
First Flush	11/18/23	5:54	Carmel	307-CASD-01	4th Avenue	Total Suspended Solids	615	500	mg/L
First Flush	11/18/23	5:55	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Total Suspended Solids	178	500	mg/L
First Flush	11/18/23	5:56	Pacific Grove	309-PGSD-01	8th Street	Total Suspended Solids	220	500	mg/L
First Flush	11/18/23	5:58	Monterey	309-MSD-04	San Carlos	Total Suspended Solids	37	500	mg/L
First Flush	11/18/23	6:04	Seaside/Sand City	309-SSD-02	Bay Street	Total Suspended Solids	102	500	mg/L
First Flush	11/18/23	6:05	Pacific Grove	309-CENTR-31	Greenwood Park	Total Suspended Solids	117	500	mg/L
First Flush	11/18/23	6:14	Carmel	307-CASD-02	Ocean Avenue	Total Suspended Solids	21	500	mg/L
First Flush	11/18/23	6:14	Monterey County	309-SASD-02	Las Palmas	Total Suspended Solids	130	500	mg/L
First Flush	11/18/23	6:17	Pacific Grove	309-PGSD-15	Sea Palm	Total Suspended Solids	118	500	mg/L
First Flush	11/18/23	6:22	Pacific Grove	309-PGSD-04	Pico	Total Suspended Solids	92	500	mg/L
First Flush	11/18/23	6:32	Carmel	307-CASD-01	4th Avenue	Total Suspended Solids	149	500	mg/L
First Flush	11/18/23	6:37	Monterey County	309-SASD-02	Las Palmas	Total Suspended Solids	EM	500	mg/L
First Flush	11/18/23	6:47	Pacific Grove	309-PGSD-15	Sea Palm	Total Suspended Solids	112	500	mg/L
First Flush	11/18/23	6:48	Pacific Grove	309-PGSD-03	Lover's Point	Total Suspended Solids	19	500	mg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	6:51	Pacific Grove	309-PGSD-04	Pico	Total Suspended Solids	55	500	mg/L
First Flush	11/18/23	7:18	Pacific Grove	309-PGSD-03	Lover's Point	Total Suspended Solids	16	500	mg/L
First Flush	12/20/23	7:30	Monterey County	309-SASD-01	Boronda	Total Suspended Solids	496	500	mg/L
First Flush	12/20/23	8:00	Monterey County	309-SASD-01	Boronda	Total Suspended Solids	204	500	mg/L
First Flush	11/18/23	5:20	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Turbidity	120	25	NTU
First Flush	11/18/23	5:22	Monterey	309-MSD-05	Steinbeck	Turbidity	16	25	NTU
First Flush	11/18/23	5:25	Pacific Grove	309-PGSD-01	8th Street	Turbidity	12	25	NTU
First Flush	11/18/23	5:28	Monterey	309-MSD-04	San Carlos	Turbidity	15	25	NTU
First Flush	11/18/23	5:31	Seaside/Sand City	309-SSD-02	Bay Street	Turbidity	120	25	NTU
First Flush	11/18/23	5:33	Carmel	307-CASD-02	Ocean Avenue	Turbidity	11	25	NTU
First Flush	11/18/23	5:35	Pacific Grove	309-CENTR-31	Greenwood Park	Turbidity	19	25	NTU
First Flush	11/18/23	5:52	Monterey	309-MSD-05	Steinbeck	Turbidity	45	25	NTU
First Flush	11/18/23	5:54	Carmel	307-CASD-01	4th Avenue	Turbidity	340	25	NTU
First Flush	11/18/23	5:55	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Turbidity	60	25	NTU
First Flush	11/18/23	5:56	Pacific Grove	309-PGSD-01	8th Street	Turbidity	60	25	NTU
First Flush	11/18/23	5:58	Monterey	309-MSD-04	San Carlos	Turbidity	19	25	NTU

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	6:04	Seaside/Sand City	309-SSD-02	Bay Street	Turbidity	58	25	NTU
First Flush	11/18/23	6:05	Pacific Grove	309-CENTR-31	Greenwood Park	Turbidity	29	25	NTU
First Flush	11/18/23	6:14	Carmel	307-CASD-02	Ocean Avenue	Turbidity	13	25	NTU
First Flush	11/18/23	6:14	Monterey County	309-SASD-02	Las Palmas	Turbidity	100	25	NTU
First Flush	11/18/23	6:17	Pacific Grove	309-PGSD-15	Sea Palm	Turbidity	65	25	NTU
First Flush	11/18/23	6:22	Pacific Grove	309-PGSD-04	Pico	Turbidity	36	25	NTU
First Flush	11/18/23	6:32	Carmel	307-CASD-01	4th Avenue	Turbidity	100	25	NTU
First Flush	11/18/23	6:37	Monterey County	309-SASD-02	Las Palmas	Turbidity	EM	25	NTU
First Flush	11/18/23	6:47	Pacific Grove	309-PGSD-15	Sea Palm	Turbidity	38	25	NTU
First Flush	11/18/23	6:48	Pacific Grove	309-PGSD-03	Lover's Point	Turbidity	11	25	NTU
First Flush	11/18/23	6:51	Pacific Grove	309-PGSD-04	Pico	Turbidity	22	25	NTU
First Flush	11/18/23	7:18	Pacific Grove	309-PGSD-03	Lover's Point	Turbidity	11	25	NTU
First Flush	12/20/23	7:30	Monterey County	309-SASD-01	Boronda	Turbidity	300	25	NTU
First Flush	12/20/23	8:00	Monterey County	309-SASD-01	Boronda	Turbidity	170	25	NTU
First Flush	11/18/23	5:20	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Urea	177	NA	mg-N/L
First Flush	11/18/23	5:22	Monterey	309-MSD-05	Steinbeck	Urea	349	NA	mg-N/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	5:25	Pacific Grove	309-PGSD-01	8th Street	Urea	109	NA	mg-N/L
First Flush	11/18/23	5:28	Monterey	309-MSD-04	San Carlos	Urea	166	NA	mg-N/L
First Flush	11/18/23	5:31	Seaside/Sand City	309-SSD-02	Bay Street	Urea	153	NA	mg-N/L
First Flush	11/18/23	5:33	Carmel	307-CASD-02	Ocean Avenue	Urea	136	NA	mg-N/L
First Flush	11/18/23	5:35	Pacific Grove	309-CENTR-31	Greenwood Park	Urea	153	NA	mg-N/L
First Flush	11/18/23	5:52	Monterey	309-MSD-05	Steinbeck	Urea	234	NA	mg-N/L
First Flush	11/18/23	5:54	Carmel	307-CASD-01	4th Avenue	Urea	91	NA	mg-N/L
First Flush	11/18/23	5:55	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Urea	169	NA	mg-N/L
First Flush	11/18/23	5:56	Pacific Grove	309-PGSD-01	8th Street	Urea	102	NA	mg-N/L
First Flush	11/18/23	5:58	Monterey	309-MSD-04	San Carlos	Urea	142	NA	mg-N/L
First Flush	11/18/23	6:04	Seaside/Sand City	309-SSD-02	Bay Street	Urea	215	NA	mg-N/L
First Flush	11/18/23	6:05	Pacific Grove	309-CENTR-31	Greenwood Park	Urea	88	NA	mg-N/L
First Flush	11/18/23	6:14	Carmel	307-CASD-02	Ocean Avenue	Urea	202	NA	mg-N/L
First Flush	11/18/23	6:14	Monterey County	309-SASD-02	Las Palmas	Urea	124	NA	mg-N/L
First Flush	11/18/23	6:17	Pacific Grove	309-PGSD-15	Sea Palm	Urea	77	NA	mg-N/L
First Flush	11/18/23	6:22	Pacific Grove	309-PGSD-04	Pico	Urea	118	NA	mg-N/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	6:32	Carmel	307-CASD-01	4th Avenue	Urea	90	NA	mg-N/L
First Flush	11/18/23	6:37	Monterey County	309-SASD-02	Las Palmas	Urea	EM	NA	mg-N/L
First Flush	11/18/23	6:47	Pacific Grove	309-PGSD-15	Sea Palm	Urea	55	NA	mg-N/L
First Flush	11/18/23	6:48	Pacific Grove	309-PGSD-03	Lover's Point	Urea	93	NA	mg-N/L
First Flush	11/18/23	6:51	Pacific Grove	309-PGSD-04	Pico	Urea	89	NA	mg-N/L
First Flush	11/18/23	7:18	Pacific Grove	309-PGSD-03	Lover's Point	Urea	177	NA	mg-N/L
First Flush	12/20/23	7:30	Monterey County	309-SASD-01	Boronda	Urea	128	NA	mg-N/L
First Flush	12/20/23	8:00	Monterey County	309-SASD-01	Boronda	Urea	267	NA	mg-N/L
First Flush	11/18/23	5:20	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Zinc	227	200	µg/L
First Flush	11/18/23	5:22	Monterey	309-MSD-05	Steinbeck	Zinc	92	200	µg/L
First Flush	11/18/23	5:25	Pacific Grove	309-PGSD-01	8th Street	Zinc	61	200	µg/L
First Flush	11/18/23	5:28	Monterey	309-MSD-04	San Carlos	Zinc	77	200	µg/L
First Flush	11/18/23	5:31	Seaside/Sand City	309-SSD-02	Bay Street	Zinc	407	200	µg/L
First Flush	11/18/23	5:33	Carmel	307-CASD-02	Ocean Avenue	Zinc	138	200	µg/L
First Flush	11/18/23	5:35	Pacific Grove	309-CENTR-31	Greenwood Park	Zinc	79	200	µg/L
First Flush	11/18/23	5:52	Monterey	309-MSD-05	Steinbeck	Zinc	219	200	µg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	5:54	Carmel	307-CASD-01	4th Avenue	Zinc	1210	200	µg/L
First Flush	11/18/23	5:55	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Zinc	397	200	µg/L
First Flush	11/18/23	5:56	Pacific Grove	309-PGSD-01	8th Street	Zinc	103	200	µg/L
First Flush	11/18/23	5:58	Monterey	309-MSD-04	San Carlos	Zinc	79	200	µg/L
First Flush	11/18/23	6:04	Seaside/Sand City	309-SSD-02	Bay Street	Zinc	230	200	µg/L
First Flush	11/18/23	6:05	Pacific Grove	309-CENTR-31	Greenwood Park	Zinc	115	200	µg/L
First Flush	11/18/23	6:14	Carmel	307-CASD-02	Ocean Avenue	Zinc	111	200	µg/L
First Flush	11/18/23	6:14	Monterey County	309-SASD-02	Las Palmas	Zinc	189	200	µg/L
First Flush	11/18/23	6:17	Pacific Grove	309-PGSD-15	Sea Palm	Zinc	85	200	µg/L
First Flush	11/18/23	6:22	Pacific Grove	309-PGSD-04	Pico	Zinc	105	200	µg/L
First Flush	11/18/23	6:32	Carmel	307-CASD-01	4th Avenue	Zinc	101	200	µg/L
First Flush	11/18/23	6:37	Monterey County	309-SASD-02	Las Palmas	Zinc	EM	200	µg/L
First Flush	11/18/23	6:47	Pacific Grove	309-PGSD-15	Sea Palm	Zinc	89	200	µg/L
First Flush	11/18/23	6:48	Pacific Grove	309-PGSD-03	Lover's Point	Zinc	50	200	µg/L
First Flush	11/18/23	6:51	Pacific Grove	309-PGSD-04	Pico	Zinc	60	200	µg/L
First Flush	11/18/23	7:18	Pacific Grove	309-PGSD-03	Lover's Point	Zinc	50	200	µg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	12/20/23	7:30	Monterey County	309-SASD-01	Boronda	Zinc	207	200	µg/L
First Flush	12/20/23	8:00	Monterey County	309-SASD-01	Boronda	Zinc	112	200	µg/L

Appendix C: Results by Jurisdiction (listed alphabetically)

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

ND - Non-detect

NA - Not available

NF - No flow, no sample collected

EM - Equipment malfunction that impeded sample collection

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
Dry Run	9/15/23	12:55	Carmel	307-CASD-01	4th Avenue	Ammonia	ND	50	mg-N/L
Dry Run	9/15/23	12:55	Carmel	307-CASD-01	4th Avenue	Color	185	500	Color Units
Dry Run	9/15/23	12:55	Carmel	307-CASD-01	4th Avenue	Copper	ND	30	µg/L
Dry Run	9/15/23	12:55	Carmel	307-CASD-01	4th Avenue	E. coli	<10	235	MPN/100mL
Dry Run	9/15/23	12:55	Carmel	307-CASD-01	4th Avenue	Enterococcus	10	104	MPN/100mL
Dry Run	9/15/23	12:55	Carmel	307-CASD-01	4th Avenue	Hardness	485	≤ 10 or ≥ 2,000	mg/L
Dry Run	9/15/23	12:55	Carmel	307-CASD-01	4th Avenue	HF183	ND	NA	GC/mL
Dry Run	9/15/23	12:55	Carmel	307-CASD-01	4th Avenue	Lead	0.2	30	µg/L
Dry Run	9/15/23	12:55	Carmel	307-CASD-01	4th Avenue	Nitrate	2.3	2.25	mg-N/L
Dry Run	9/15/23	12:55	Carmel	307-CASD-01	4th Avenue	Orthophosphate	0.07	0.12	mg-P/L
Dry Run	9/15/23	12:55	Carmel	307-CASD-01	4th Avenue	Potassium	20.9	20	mg/L
Dry Run	9/15/23	12:55	Carmel	307-CASD-01	4th Avenue	Surfactants - MBAS	0.2	0.2	mg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
Dry Run	9/15/23	12:55	Carmel	307-CASD-01	4th Avenue	Total Suspended Solids	3	500	mg/L
Dry Run	9/15/23	12:55	Carmel	307-CASD-01	4th Avenue	Turbidity	3.4	25	NTU
Dry Run	9/15/23	12:55	Carmel	307-CASD-01	4th Avenue	Urea	11	NA	mg-N/L
Dry Run	9/15/23	12:55	Carmel	307-CASD-01	4th Avenue	Zinc	ND	200	µg/L
Dry Run	9/15/23	12:40	Carmel	307-CASD-02	Ocean Avenue	Ammonia	NF	50	mg-N/L
Dry Run	9/15/23	12:40	Carmel	307-CASD-02	Ocean Avenue	Color	NF	500	Color Units
Dry Run	9/15/23	12:40	Carmel	307-CASD-02	Ocean Avenue	Copper	NF	30	µg/L
Dry Run	9/15/23	12:40	Carmel	307-CASD-02	Ocean Avenue	E. coli	NF	235	MPN/100mL
Dry Run	9/15/23	12:40	Carmel	307-CASD-02	Ocean Avenue	Enterococcus	NF	104	MPN/100mL
Dry Run	9/15/23	12:40	Carmel	307-CASD-02	Ocean Avenue	Hardness	NF	≤ 10 or ≥ 2,000	mg/L
Dry Run	9/15/23	12:40	Carmel	307-CASD-02	Ocean Avenue	HF183	NF	NA	GC/mL
Dry Run	9/15/23	12:40	Carmel	307-CASD-02	Ocean Avenue	Lead	NF	30	µg/L
Dry Run	9/15/23	12:40	Carmel	307-CASD-02	Ocean Avenue	Nitrate	NF	2.25	mg-N/L
Dry Run	9/15/23	12:40	Carmel	307-CASD-02	Ocean Avenue	Orthophosphate	NF	0.12	mg-P/L
Dry Run	9/15/23	12:40	Carmel	307-CASD-02	Ocean Avenue	Potassium	NF	20	mg/L
Dry Run	9/15/23	12:40	Carmel	307-CASD-02	Ocean Avenue	Surfactants - MBAS	NF	0.2	mg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
Dry Run	9/15/23	12:40	Carmel	307-CASD-02	Ocean Avenue	Total Suspended Solids	NF	500	mg/L
Dry Run	9/15/23	12:40	Carmel	307-CASD-02	Ocean Avenue	Turbidity	NF	25	NTU
Dry Run	9/15/23	12:40	Carmel	307-CASD-02	Ocean Avenue	Urea	NF	NA	mg-N/L
Dry Run	9/15/23	12:40	Carmel	307-CASD-02	Ocean Avenue	Zinc	NF	200	µg/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-04	San Carlos	Ammonia	NF	50	mg-N/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-04	San Carlos	Color	NF	500	Color Units
Dry Run	9/16/23	10:10	Monterey	309-MSD-04	San Carlos	Copper	NF	30	µg/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-04	San Carlos	E. coli	NF	235	MPN/100mL
Dry Run	9/16/23	10:10	Monterey	309-MSD-04	San Carlos	Enterococcus	NF	104	MPN/100mL
Dry Run	9/16/23	10:10	Monterey	309-MSD-04	San Carlos	Hardness	NF	≤ 10 or ≥ 2,000	mg/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-04	San Carlos	Lead	NF	30	µg/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-04	San Carlos	Nitrate	NF	2.25	mg-N/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-04	San Carlos	Orthophosphate	NF	0.12	mg-P/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-04	San Carlos	Potassium	NF	20	mg/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-04	San Carlos	Surfactants - MBAS	NF	0.2	mg/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-04	San Carlos	Total Suspended Solids	NF	500	mg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
Dry Run	9/16/23	10:10	Monterey	309-MSD-04	San Carlos	Turbidity	NF	25	NTU
Dry Run	9/16/23	10:10	Monterey	309-MSD-04	San Carlos	Urea	NF	NA	mg-N/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-04	San Carlos	Zinc	NF	200	µg/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-05	Steinbeck	Ammonia	NF	50	mg-N/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-05	Steinbeck	Color	NF	500	Color Units
Dry Run	9/16/23	10:10	Monterey	309-MSD-05	Steinbeck	Copper	NF	30	µg/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-05	Steinbeck	E. coli	NF	235	MPN/100mL
Dry Run	9/16/23	10:10	Monterey	309-MSD-05	Steinbeck	Enterococcus	NF	104	MPN/100mL
Dry Run	9/16/23	10:10	Monterey	309-MSD-05	Steinbeck	Hardness	NF	≤ 10 or ≥ 2,000	mg/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-05	Steinbeck	Lead	NF	30	µg/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-05	Steinbeck	Nitrate	NF	2.25	mg-N/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-05	Steinbeck	Orthophosphate	NF	0.12	mg-P/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-05	Steinbeck	Potassium	NF	20	mg/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-05	Steinbeck	Surfactants - MBAS	NF	0.2	mg/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-05	Steinbeck	Total Suspended Solids	NF	500	mg/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-05	Steinbeck	Turbidity	NF	25	NTU

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
Dry Run	9/16/23	10:10	Monterey	309-MSD-05	Steinbeck	Urea	NF	NA	mg-N/L
Dry Run	9/16/23	10:10	Monterey	309-MSD-05	Steinbeck	Zinc	NF	200	µg/L
Dry Run	9/15/23	15:12	Monterey County	309-SASD-01	Boronda	Ammonia	NF	50	mg-N/L
Dry Run	9/15/23	15:12	Monterey County	309-SASD-01	Boronda	Color	NF	500	Color Units
Dry Run	9/15/23	15:12	Monterey County	309-SASD-01	Boronda	Copper	NF	30	µg/L
Dry Run	9/15/23	15:12	Monterey County	309-SASD-01	Boronda	E. coli	NF	235	MPN/100mL
Dry Run	9/15/23	15:12	Monterey County	309-SASD-01	Boronda	Enterococcus	NF	104	MPN/100mL
Dry Run	9/15/23	15:12	Monterey County	309-SASD-01	Boronda	Hardness	NF	≤ 10 or ≥ 2,000	mg/L
Dry Run	9/15/23	15:12	Monterey County	309-SASD-01	Boronda	Lead	NF	30	µg/L
Dry Run	9/15/23	15:12	Monterey County	309-SASD-01	Boronda	Nitrate	NF	2.25	mg-N/L
Dry Run	9/15/23	15:12	Monterey County	309-SASD-01	Boronda	Orthophosphate	NF	0.12	mg-P/L
Dry Run	9/15/23	15:12	Monterey County	309-SASD-01	Boronda	Potassium	NF	20	mg/L
Dry Run	9/15/23	15:12	Monterey County	309-SASD-01	Boronda	Surfactants - MBAS	NF	0.2	mg/L
Dry Run	9/15/23	15:12	Monterey County	309-SASD-01	Boronda	Total Suspended Solids	NF	500	mg/L
Dry Run	9/15/23	15:12	Monterey County	309-SASD-01	Boronda	Turbidity	NF	25	NTU
Dry Run	9/15/23	15:12	Monterey County	309-SASD-01	Boronda	Urea	NF	NA	mg-N/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
Dry Run	9/15/23	15:12	Monterey County	309-SASD-01	Boronda	Zinc	NF	200	µg/L
Dry Run	9/15/23	14:20	Monterey County	309-SASD-02	Las Palmas	Ammonia	NF	50	mg-N/L
Dry Run	9/15/23	14:20	Monterey County	309-SASD-02	Las Palmas	Color	NF	500	Color Units
Dry Run	9/15/23	14:20	Monterey County	309-SASD-02	Las Palmas	Copper	NF	30	µg/L
Dry Run	9/15/23	14:20	Monterey County	309-SASD-02	Las Palmas	E. coli	NF	235	MPN/100mL
Dry Run	9/15/23	14:20	Monterey County	309-SASD-02	Las Palmas	Enterococcus	NF	104	MPN/100mL
Dry Run	9/15/23	14:20	Monterey County	309-SASD-02	Las Palmas	Hardness	NF	≤ 10 or ≥ 2,000	mg/L
Dry Run	9/15/23	14:20	Monterey County	309-SASD-02	Las Palmas	Lead	NF	30	µg/L
Dry Run	9/15/23	14:20	Monterey County	309-SASD-02	Las Palmas	Nitrate	NF	2.25	mg-N/L
Dry Run	9/15/23	14:20	Monterey County	309-SASD-02	Las Palmas	Orthophosphate	NF	0.12	mg-P/L
Dry Run	9/15/23	14:20	Monterey County	309-SASD-02	Las Palmas	Potassium	NF	20	mg/L
Dry Run	9/15/23	14:20	Monterey County	309-SASD-02	Las Palmas	Surfactants - MBAS	NF	0.2	mg/L
Dry Run	9/15/23	14:20	Monterey County	309-SASD-02	Las Palmas	Total Suspended Solids	NF	500	mg/L
Dry Run	9/15/23	14:20	Monterey County	309-SASD-02	Las Palmas	Turbidity	NF	25	NTU
Dry Run	9/15/23	14:20	Monterey County	309-SASD-02	Las Palmas	Urea	NF	NA	mg-N/L
Dry Run	9/15/23	14:20	Monterey County	309-SASD-02	Las Palmas	Zinc	NF	200	µg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
Dry Run	9/16/23	9:25	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Ammonia	0.16	50	mg-N/L
Dry Run	9/16/23	9:25	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Color	30	500	Color Units
Dry Run	9/16/23	9:25	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Copper	ND	30	µg/L
Dry Run	9/16/23	9:25	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	E. coli	2064	235	MPN/100mL
Dry Run	9/16/23	9:25	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Enterococcus	991	104	MPN/100mL
Dry Run	9/16/23	9:25	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Hardness	389	≤ 10 or ≥ 2,000	mg/L
Dry Run	9/16/23	9:25	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Lead	0.5	30	µg/L
Dry Run	9/16/23	9:25	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Nitrate	0.6	2.25	mg-N/L
Dry Run	9/16/23	9:25	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Orthophosphate	0.21	0.12	mg-P/L
Dry Run	9/16/23	9:25	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Potassium	7.6	20	mg/L
Dry Run	9/16/23	9:25	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Surfactants - MBAS	0.24	0.2	mg/L
Dry Run	9/16/23	9:25	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Total Suspended Solids	2	500	mg/L
Dry Run	9/16/23	9:25	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Turbidity	2.1	25	NTU
Dry Run	9/16/23	9:25	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Urea	117	NA	mg-N/L
Dry Run	9/16/23	9:25	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Zinc	23	200	µg/L
Dry Run	9/16/23	10:20	Pacific Grove	309-PGSD-01	8th Street	Ammonia	0.21	50	mg-N/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
Dry Run	9/16/23	10:20	Pacific Grove	309-PGSD-01	8th Street	Color	20	500	Color Units
Dry Run	9/16/23	10:20	Pacific Grove	309-PGSD-01	8th Street	Copper	10	30	µg/L
Dry Run	9/16/23	10:20	Pacific Grove	309-PGSD-01	8th Street	E. coli	16580	235	MPN/100mL
Dry Run	9/16/23	10:20	Pacific Grove	309-PGSD-01	8th Street	Enterococcus	368	104	MPN/100mL
Dry Run	9/16/23	10:20	Pacific Grove	309-PGSD-01	8th Street	Hardness	275	≤ 10 or ≥ 2,000	mg/L
Dry Run	9/16/23	10:20	Pacific Grove	309-PGSD-01	8th Street	HF183	ND	NA	GC/mL
Dry Run	9/16/23	10:20	Pacific Grove	309-PGSD-01	8th Street	Lead	1.5	30	µg/L
Dry Run	9/16/23	10:20	Pacific Grove	309-PGSD-01	8th Street	Nitrate	1.8	2.25	mg-N/L
Dry Run	9/16/23	10:20	Pacific Grove	309-PGSD-01	8th Street	Orthophosphate	0.41	0.12	mg-P/L
Dry Run	9/16/23	10:20	Pacific Grove	309-PGSD-01	8th Street	Potassium	7.1	20	mg/L
Dry Run	9/16/23	10:20	Pacific Grove	309-PGSD-01	8th Street	Surfactants - MBAS	0.14	0.2	mg/L
Dry Run	9/16/23	10:20	Pacific Grove	309-PGSD-01	8th Street	Total Suspended Solids	16	500	mg/L
Dry Run	9/16/23	10:20	Pacific Grove	309-PGSD-01	8th Street	Turbidity	8.4	25	NTU
Dry Run	9/16/23	10:20	Pacific Grove	309-PGSD-01	8th Street	Urea	25	NA	mg-N/L
Dry Run	9/16/23	10:20	Pacific Grove	309-PGSD-01	8th Street	Zinc	22	200	µg/L
Dry Run	9/16/23	9:45	Pacific Grove	309-CENTR-31	Greenwood Park	Ammonia	0.18	50	mg-N/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
Dry Run	9/16/23	9:45	Pacific Grove	309-CENTR-31	Greenwood Park	Color	30	500	Color Units
Dry Run	9/16/23	9:45	Pacific Grove	309-CENTR-31	Greenwood Park	Copper	ND	30	µg/L
Dry Run	9/16/23	9:45	Pacific Grove	309-CENTR-31	Greenwood Park	E. coli	8164	235	MPN/100mL
Dry Run	9/16/23	9:45	Pacific Grove	309-CENTR-31	Greenwood Park	Enterococcus	167	104	MPN/100mL
Dry Run	9/16/23	9:45	Pacific Grove	309-CENTR-31	Greenwood Park	Hardness	364	≤ 10 or ≥ 2,000	mg/L
Dry Run	9/16/23	9:45	Pacific Grove	309-CENTR-31	Greenwood Park	HF183	7105	NA	GC/mL
Dry Run	9/16/23	9:45	Pacific Grove	309-CENTR-31	Greenwood Park	Lead	0.5	30	µg/L
Dry Run	9/16/23	9:45	Pacific Grove	309-CENTR-31	Greenwood Park	Nitrate	1.3	2.25	mg-N/L
Dry Run	9/16/23	9:45	Pacific Grove	309-CENTR-31	Greenwood Park	Orthophosphate	0.13	0.12	mg-P/L
Dry Run	9/16/23	9:45	Pacific Grove	309-CENTR-31	Greenwood Park	Potassium	8	20	mg/L
Dry Run	9/16/23	9:45	Pacific Grove	309-CENTR-31	Greenwood Park	Surfactants - MBAS	0.11	0.2	mg/L
Dry Run	9/16/23	9:45	Pacific Grove	309-CENTR-31	Greenwood Park	Total Suspended Solids	3	500	mg/L
Dry Run	9/16/23	9:45	Pacific Grove	309-CENTR-31	Greenwood Park	Turbidity	4.8	25	NTU
Dry Run	9/16/23	9:45	Pacific Grove	309-CENTR-31	Greenwood Park	Urea	14	NA	mg-N/L
Dry Run	9/16/23	9:45	Pacific Grove	309-CENTR-31	Greenwood Park	Zinc	11	200	µg/L
Dry Run	9/16/23	11:00	Pacific Grove	309-PGSD-03	Lover's Point	Ammonia	ND	50	mg-N/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
Dry Run	9/16/23	11:00	Pacific Grove	309-PGSD-03	Lover's Point	Color	7	500	Color Units
Dry Run	9/16/23	11:00	Pacific Grove	309-PGSD-03	Lover's Point	Copper	ND	30	µg/L
Dry Run	9/16/23	11:00	Pacific Grove	309-PGSD-03	Lover's Point	E. coli	1153	235	MPN/100mL
Dry Run	9/16/23	11:00	Pacific Grove	309-PGSD-03	Lover's Point	Enterococcus	121	104	MPN/100mL
Dry Run	9/16/23	11:00	Pacific Grove	309-PGSD-03	Lover's Point	Hardness	268	≤ 10 or ≥ 2,000	mg/L
Dry Run	9/16/23	11:00	Pacific Grove	309-PGSD-03	Lover's Point	HF183	ND	NA	GC/mL
Dry Run	9/16/23	11:00	Pacific Grove	309-PGSD-03	Lover's Point	Lead	ND	30	µg/L
Dry Run	9/16/23	11:00	Pacific Grove	309-PGSD-03	Lover's Point	Nitrate	5.5	2.25	mg-N/L
Dry Run	9/16/23	11:00	Pacific Grove	309-PGSD-03	Lover's Point	Orthophosphate	0.09	0.12	mg-P/L
Dry Run	9/16/23	11:00	Pacific Grove	309-PGSD-03	Lover's Point	Potassium	2.6	20	mg/L
Dry Run	9/16/23	11:00	Pacific Grove	309-PGSD-03	Lover's Point	Surfactants - MBAS	0.04	0.2	mg/L
Dry Run	9/16/23	11:00	Pacific Grove	309-PGSD-03	Lover's Point	Total Suspended Solids	ND	500	mg/L
Dry Run	9/16/23	11:00	Pacific Grove	309-PGSD-03	Lover's Point	Turbidity	0.35	25	NTU
Dry Run	9/16/23	11:00	Pacific Grove	309-PGSD-03	Lover's Point	Urea	ND	NA	mg-N/L
Dry Run	9/16/23	11:00	Pacific Grove	309-PGSD-03	Lover's Point	Zinc	ND	200	µg/L
Dry Run	9/16/23	11:10	Pacific Grove	309-PGSD-04	Pico	Ammonia	0.06	50	mg-N/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
Dry Run	9/16/23	11:10	Pacific Grove	309-PGSD-04	Pico	Color	80	500	Color Units
Dry Run	9/16/23	11:10	Pacific Grove	309-PGSD-04	Pico	Copper	ND	30	µg/L
Dry Run	9/16/23	11:10	Pacific Grove	309-PGSD-04	Pico	E. coli	256	235	MPN/100mL
Dry Run	9/16/23	11:10	Pacific Grove	309-PGSD-04	Pico	Enterococcus	41	104	MPN/100mL
Dry Run	9/16/23	11:10	Pacific Grove	309-PGSD-04	Pico	Hardness	202	≤ 10 or ≥ 2,000	mg/L
Dry Run	9/16/23	11:10	Pacific Grove	309-PGSD-04	Pico	HF183	ND	NA	GC/mL
Dry Run	9/16/23	11:10	Pacific Grove	309-PGSD-04	Pico	Lead	0.3	30	µg/L
Dry Run	9/16/23	11:10	Pacific Grove	309-PGSD-04	Pico	Nitrate	0.8	2.25	mg-N/L
Dry Run	9/16/23	11:10	Pacific Grove	309-PGSD-04	Pico	Orthophosphate	ND	0.12	mg-P/L
Dry Run	9/16/23	11:10	Pacific Grove	309-PGSD-04	Pico	Potassium	6.9	20	mg/L
Dry Run	9/16/23	11:10	Pacific Grove	309-PGSD-04	Pico	Surfactants - MBAS	0.07	0.2	mg/L
Dry Run	9/16/23	11:10	Pacific Grove	309-PGSD-04	Pico	Total Suspended Solids	3	500	mg/L
Dry Run	9/16/23	11:10	Pacific Grove	309-PGSD-04	Pico	Turbidity	10	25	NTU
Dry Run	9/16/23	11:10	Pacific Grove	309-PGSD-04	Pico	Urea	10	NA	mg-N/L
Dry Run	9/16/23	11:10	Pacific Grove	309-PGSD-04	Pico	Zinc	12	200	µg/L
Dry Run	9/16/23	10:30	Pacific Grove	309-PGSD-15	Sea Palm	Ammonia	ND	50	mg-N/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
Dry Run	9/16/23	10:30	Pacific Grove	309-PGSD-15	Sea Palm	Color	30	500	Color Units
Dry Run	9/16/23	10:30	Pacific Grove	309-PGSD-15	Sea Palm	Copper	9	30	µg/L
Dry Run	9/16/23	10:30	Pacific Grove	309-PGSD-15	Sea Palm	E. coli	10	235	MPN/100mL
Dry Run	9/16/23	10:30	Pacific Grove	309-PGSD-15	Sea Palm	Enterococcus	73	104	MPN/100mL
Dry Run	9/16/23	10:30	Pacific Grove	309-PGSD-15	Sea Palm	Hardness	291	≤ 10 or ≥ 2,000	mg/L
Dry Run	9/16/23	10:30	Pacific Grove	309-PGSD-15	Sea Palm	HF183	ND	NA	GC/mL
Dry Run	9/16/23	10:30	Pacific Grove	309-PGSD-15	Sea Palm	Lead	0.2	30	µg/L
Dry Run	9/16/23	10:30	Pacific Grove	309-PGSD-15	Sea Palm	Nitrate	3.1	2.25	mg-N/L
Dry Run	9/16/23	10:30	Pacific Grove	309-PGSD-15	Sea Palm	Orthophosphate	0.09	0.12	mg-P/L
Dry Run	9/16/23	10:30	Pacific Grove	309-PGSD-15	Sea Palm	Potassium	6.2	20	mg/L
Dry Run	9/16/23	10:30	Pacific Grove	309-PGSD-15	Sea Palm	Surfactants - MBAS	0.09	0.2	mg/L
Dry Run	9/16/23	10:30	Pacific Grove	309-PGSD-15	Sea Palm	Total Suspended Solids	ND	500	mg/L
Dry Run	9/16/23	10:30	Pacific Grove	309-PGSD-15	Sea Palm	Turbidity	0.5	25	NTU
Dry Run	9/16/23	10:30	Pacific Grove	309-PGSD-15	Sea Palm	Urea	ND	NA	mg-N/L
Dry Run	9/16/23	10:30	Pacific Grove	309-PGSD-15	Sea Palm	Zinc	ND	200	µg/L
Dry Run	9/16/23	10:28	Seaside/Sand City	309-SSD-02	Bay Street	Ammonia	NF	50	mg-N/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
Dry Run	9/16/23	10:28	Seaside/Sand City	309-SSD-02	Bay Street	Color	NF	500	Color Units
Dry Run	9/16/23	10:28	Seaside/Sand City	309-SSD-02	Bay Street	Copper	NF	30	µg/L
Dry Run	9/16/23	10:28	Seaside/Sand City	309-SSD-02	Bay Street	E. coli	NF	235	MPN/100mL
Dry Run	9/16/23	10:28	Seaside/Sand City	309-SSD-02	Bay Street	Enterococcus	NF	104	MPN/100mL
Dry Run	9/16/23	10:28	Seaside/Sand City	309-SSD-02	Bay Street	Hardness	NF	≤ 10 or ≥ 2,000	mg/L
Dry Run	9/16/23	10:28	Seaside/Sand City	309-SSD-02	Bay Street	Lead	NF	30	µg/L
Dry Run	9/16/23	10:28	Seaside/Sand City	309-SSD-02	Bay Street	Nitrate	NF	2.25	mg-N/L
Dry Run	9/16/23	10:28	Seaside/Sand City	309-SSD-02	Bay Street	Orthophosphate	NF	0.12	mg-P/L
Dry Run	9/16/23	10:28	Seaside/Sand City	309-SSD-02	Bay Street	Potassium	NF	20	mg/L
Dry Run	9/16/23	10:28	Seaside/Sand City	309-SSD-02	Bay Street	Surfactants - MBAS	NF	0.2	mg/L
Dry Run	9/16/23	10:28	Seaside/Sand City	309-SSD-02	Bay Street	Total Suspended Solids	NF	500	mg/L
Dry Run	9/16/23	10:28	Seaside/Sand City	309-SSD-02	Bay Street	Turbidity	NF	25	NTU
Dry Run	9/16/23	10:28	Seaside/Sand City	309-SSD-02	Bay Street	Urea	NF	NA	mg-N/L
Dry Run	9/16/23	10:28	Seaside/Sand City	309-SSD-02	Bay Street	Zinc	NF	200	µg/L
First Flush	11/18/23	5:54	Carmel	307-CASD-01	4th Avenue	Ammonia	0.36	50	mg-N/L
First Flush	11/18/23	5:54	Carmel	307-CASD-01	4th Avenue	Color	1000	500	Color Units

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	5:54	Carmel	307-CASD-01	4th Avenue	Copper	325	30	µg/L
First Flush	11/18/23	5:54	Carmel	307-CASD-01	4th Avenue	E. coli	34658	235	MPN/100mL
First Flush	11/18/23	5:54	Carmel	307-CASD-01	4th Avenue	Enterococcus	34658	104	MPN/100mL
First Flush	11/18/23	5:54	Carmel	307-CASD-01	4th Avenue	Hardness	246	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	5:54	Carmel	307-CASD-01	4th Avenue	HF183	348	NA	GC/mL
First Flush	11/18/23	5:54	Carmel	307-CASD-01	4th Avenue	Lead	217	30	µg/L
First Flush	11/18/23	5:54	Carmel	307-CASD-01	4th Avenue	Nitrate	0.4	2.25	mg-N/L
First Flush	11/18/23	5:54	Carmel	307-CASD-01	4th Avenue	Orthophosphate	0.29	0.12	mg-P/L
First Flush	11/18/23	5:54	Carmel	307-CASD-01	4th Avenue	Potassium	15	20	mg/L
First Flush	11/18/23	5:54	Carmel	307-CASD-01	4th Avenue	Surfactants - MBAS	0.13	0.2	mg/L
First Flush	11/18/23	5:54	Carmel	307-CASD-01	4th Avenue	Total Suspended Solids	615	500	mg/L
First Flush	11/18/23	5:54	Carmel	307-CASD-01	4th Avenue	Turbidity	340	25	NTU
First Flush	11/18/23	5:54	Carmel	307-CASD-01	4th Avenue	Urea	91	NA	mg-N/L
First Flush	11/18/23	5:54	Carmel	307-CASD-01	4th Avenue	Zinc	1210	200	µg/L
First Flush	11/18/23	6:32	Carmel	307-CASD-01	4th Avenue	Ammonia	0.33	50	mg-N/L
First Flush	11/18/23	6:32	Carmel	307-CASD-01	4th Avenue	Color	300	500	Color Units

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	6:32	Carmel	307-CASD-01	4th Avenue	Copper	65.3	30	µg/L
First Flush	11/18/23	6:32	Carmel	307-CASD-01	4th Avenue	E. coli	34658	235	MPN/100mL
First Flush	11/18/23	6:32	Carmel	307-CASD-01	4th Avenue	Enterococcus	39726	104	MPN/100mL
First Flush	11/18/23	6:32	Carmel	307-CASD-01	4th Avenue	Hardness	55	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	6:32	Carmel	307-CASD-01	4th Avenue	HF183	ND	NA	GC/mL
First Flush	11/18/23	6:32	Carmel	307-CASD-01	4th Avenue	Lead	17	30	µg/L
First Flush	11/18/23	6:32	Carmel	307-CASD-01	4th Avenue	Nitrate	0.6	2.25	mg-N/L
First Flush	11/18/23	6:32	Carmel	307-CASD-01	4th Avenue	Orthophosphate	0.46	0.12	mg-P/L
First Flush	11/18/23	6:32	Carmel	307-CASD-01	4th Avenue	Potassium	9.2	20	mg/L
First Flush	11/18/23	6:32	Carmel	307-CASD-01	4th Avenue	Surfactants - MBAS	0.24	0.2	mg/L
First Flush	11/18/23	6:32	Carmel	307-CASD-01	4th Avenue	Total Suspended Solids	149	500	mg/L
First Flush	11/18/23	6:32	Carmel	307-CASD-01	4th Avenue	Turbidity	100	25	NTU
First Flush	11/18/23	6:32	Carmel	307-CASD-01	4th Avenue	Urea	90	NA	mg-N/L
First Flush	11/18/23	6:32	Carmel	307-CASD-01	4th Avenue	Zinc	101	200	µg/L
First Flush	11/18/23	5:33	Carmel	307-CASD-02	Ocean Avenue	Ammonia	0.38	50	mg-N/L
First Flush	11/18/23	5:33	Carmel	307-CASD-02	Ocean Avenue	Color	100	500	Color Units

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	5:33	Carmel	307-CASD-02	Ocean Avenue	Copper	54.3	30	µg/L
First Flush	11/18/23	5:33	Carmel	307-CASD-02	Ocean Avenue	E. coli	22398	235	MPN/100mL
First Flush	11/18/23	5:33	Carmel	307-CASD-02	Ocean Avenue	Enterococcus	48392	104	MPN/100mL
First Flush	11/18/23	5:33	Carmel	307-CASD-02	Ocean Avenue	Hardness	38	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	5:33	Carmel	307-CASD-02	Ocean Avenue	HF183	ND	NA	GC/mL
First Flush	11/18/23	5:33	Carmel	307-CASD-02	Ocean Avenue	Lead	10	30	µg/L
First Flush	11/18/23	5:33	Carmel	307-CASD-02	Ocean Avenue	Nitrate	0.3	2.25	mg-N/L
First Flush	11/18/23	5:33	Carmel	307-CASD-02	Ocean Avenue	Orthophosphate	0.4	0.12	mg-P/L
First Flush	11/18/23	5:33	Carmel	307-CASD-02	Ocean Avenue	Potassium	6.3	20	mg/L
First Flush	11/18/23	5:33	Carmel	307-CASD-02	Ocean Avenue	Surfactants - MBAS	0.41	0.2	mg/L
First Flush	11/18/23	5:33	Carmel	307-CASD-02	Ocean Avenue	Total Suspended Solids	25	500	mg/L
First Flush	11/18/23	5:33	Carmel	307-CASD-02	Ocean Avenue	Turbidity	11	25	NTU
First Flush	11/18/23	5:33	Carmel	307-CASD-02	Ocean Avenue	Urea	136	NA	mg-N/L
First Flush	11/18/23	5:33	Carmel	307-CASD-02	Ocean Avenue	Zinc	138	200	µg/L
First Flush	11/18/23	6:14	Carmel	307-CASD-02	Ocean Avenue	Ammonia	0.66	50	mg-N/L
First Flush	11/18/23	6:14	Carmel	307-CASD-02	Ocean Avenue	Color	115	500	Color Units

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	6:14	Carmel	307-CASD-02	Ocean Avenue	Copper	55.9	30	µg/L
First Flush	11/18/23	6:14	Carmel	307-CASD-02	Ocean Avenue	E. coli	33999	235	MPN/100mL
First Flush	11/18/23	6:14	Carmel	307-CASD-02	Ocean Avenue	Enterococcus	13064	104	MPN/100mL
First Flush	11/18/23	6:14	Carmel	307-CASD-02	Ocean Avenue	Hardness	34	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	6:14	Carmel	307-CASD-02	Ocean Avenue	HF183	ND	NA	GC/mL
First Flush	11/18/23	6:14	Carmel	307-CASD-02	Ocean Avenue	Lead	3.5	30	µg/L
First Flush	11/18/23	6:14	Carmel	307-CASD-02	Ocean Avenue	Nitrate	0.4	2.25	mg-N/L
First Flush	11/18/23	6:14	Carmel	307-CASD-02	Ocean Avenue	Orthophosphate	0.51	0.12	mg-P/L
First Flush	11/18/23	6:14	Carmel	307-CASD-02	Ocean Avenue	Potassium	7	20	mg/L
First Flush	11/18/23	6:14	Carmel	307-CASD-02	Ocean Avenue	Surfactants - MBAS	0.36	0.2	mg/L
First Flush	11/18/23	6:14	Carmel	307-CASD-02	Ocean Avenue	Total Suspended Solids	21	500	mg/L
First Flush	11/18/23	6:14	Carmel	307-CASD-02	Ocean Avenue	Turbidity	13	25	NTU
First Flush	11/18/23	6:14	Carmel	307-CASD-02	Ocean Avenue	Urea	202	NA	mg-N/L
First Flush	11/18/23	6:14	Carmel	307-CASD-02	Ocean Avenue	Zinc	111	200	µg/L
First Flush	11/18/23	5:28	Monterey	309-MSD-04	San Carlos	Ammonia	0.29	50	mg-N/L
First Flush	11/18/23	5:28	Monterey	309-MSD-04	San Carlos	Color	130	500	Color Units

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	5:28	Monterey	309-MSD-04	San Carlos	Copper	20.2	30	µg/L
First Flush	11/18/23	5:28	Monterey	309-MSD-04	San Carlos	E. coli	31062	235	MPN/100mL
First Flush	11/18/23	5:28	Monterey	309-MSD-04	San Carlos	Enterococcus	48392	104	MPN/100mL
First Flush	11/18/23	5:28	Monterey	309-MSD-04	San Carlos	Hardness	24	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	5:28	Monterey	309-MSD-04	San Carlos	Lead	4.2	30	µg/L
First Flush	11/18/23	5:28	Monterey	309-MSD-04	San Carlos	Nitrate	0.5	2.25	mg-N/L
First Flush	11/18/23	5:28	Monterey	309-MSD-04	San Carlos	Orthophosphate	0.28	0.12	mg-P/L
First Flush	11/18/23	5:28	Monterey	309-MSD-04	San Carlos	Potassium	2.8	20	mg/L
First Flush	11/18/23	5:28	Monterey	309-MSD-04	San Carlos	Surfactants - MBAS	0.3	0.2	mg/L
First Flush	11/18/23	5:28	Monterey	309-MSD-04	San Carlos	Total Suspended Solids	25	500	mg/L
First Flush	11/18/23	5:28	Monterey	309-MSD-04	San Carlos	Turbidity	15	25	NTU
First Flush	11/18/23	5:28	Monterey	309-MSD-04	San Carlos	Urea	166	NA	mg-N/L
First Flush	11/18/23	5:28	Monterey	309-MSD-04	San Carlos	Zinc	77	200	µg/L
First Flush	11/18/23	5:58	Monterey	309-MSD-04	San Carlos	Ammonia	0.27	50	mg-N/L
First Flush	11/18/23	5:58	Monterey	309-MSD-04	San Carlos	Color	130	500	Color Units
First Flush	11/18/23	5:58	Monterey	309-MSD-04	San Carlos	Copper	18.8	30	µg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	5:58	Monterey	309-MSD-04	San Carlos	E. coli	20924	235	MPN/100mL
First Flush	11/18/23	5:58	Monterey	309-MSD-04	San Carlos	Enterococcus	22398	104	MPN/100mL
First Flush	11/18/23	5:58	Monterey	309-MSD-04	San Carlos	Hardness	23	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	5:58	Monterey	309-MSD-04	San Carlos	Lead	6.1	30	µg/L
First Flush	11/18/23	5:58	Monterey	309-MSD-04	San Carlos	Nitrate	0.3	2.25	mg-N/L
First Flush	11/18/23	5:58	Monterey	309-MSD-04	San Carlos	Orthophosphate	0.27	0.12	mg-P/L
First Flush	11/18/23	5:58	Monterey	309-MSD-04	San Carlos	Potassium	2.7	20	mg/L
First Flush	11/18/23	5:58	Monterey	309-MSD-04	San Carlos	Surfactants - MBAS	0.24	0.2	mg/L
First Flush	11/18/23	5:58	Monterey	309-MSD-04	San Carlos	Total Suspended Solids	37	500	mg/L
First Flush	11/18/23	5:58	Monterey	309-MSD-04	San Carlos	Turbidity	19	25	NTU
First Flush	11/18/23	5:58	Monterey	309-MSD-04	San Carlos	Urea	142	NA	mg-N/L
First Flush	11/18/23	5:58	Monterey	309-MSD-04	San Carlos	Zinc	79	200	µg/L
First Flush	11/18/23	5:22	Monterey	309-MSD-05	Steinbeck	Ammonia	0.6	50	mg-N/L
First Flush	11/18/23	5:22	Monterey	309-MSD-05	Steinbeck	Color	100	500	Color Units
First Flush	11/18/23	5:22	Monterey	309-MSD-05	Steinbeck	Copper	14.7	30	µg/L
First Flush	11/18/23	5:22	Monterey	309-MSD-05	Steinbeck	E. coli	48392	235	MPN/100mL

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	5:22	Monterey	309-MSD-05	Steinbeck	Enterococcus	98040	104	MPN/100mL
First Flush	11/18/23	5:22	Monterey	309-MSD-05	Steinbeck	Hardness	16	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	5:22	Monterey	309-MSD-05	Steinbeck	Lead	3.3	30	µg/L
First Flush	11/18/23	5:22	Monterey	309-MSD-05	Steinbeck	Nitrate	0.2	2.25	mg-N/L
First Flush	11/18/23	5:22	Monterey	309-MSD-05	Steinbeck	Orthophosphate	0.39	0.12	mg-P/L
First Flush	11/18/23	5:22	Monterey	309-MSD-05	Steinbeck	Potassium	2	20	mg/L
First Flush	11/18/23	5:22	Monterey	309-MSD-05	Steinbeck	Surfactants - MBAS	0.25	0.2	mg/L
First Flush	11/18/23	5:22	Monterey	309-MSD-05	Steinbeck	Total Suspended Solids	32	500	mg/L
First Flush	11/18/23	5:22	Monterey	309-MSD-05	Steinbeck	Turbidity	16	25	NTU
First Flush	11/18/23	5:22	Monterey	309-MSD-05	Steinbeck	Urea	349	NA	mg-N/L
First Flush	11/18/23	5:22	Monterey	309-MSD-05	Steinbeck	Zinc	92	200	µg/L
First Flush	11/18/23	5:52	Monterey	309-MSD-05	Steinbeck	Ammonia	0.43	50	mg-N/L
First Flush	11/18/23	5:52	Monterey	309-MSD-05	Steinbeck	Color	100	500	Color Units
First Flush	11/18/23	5:52	Monterey	309-MSD-05	Steinbeck	Copper	31	30	µg/L
First Flush	11/18/23	5:52	Monterey	309-MSD-05	Steinbeck	E. coli	24066	235	MPN/100mL
First Flush	11/18/23	5:52	Monterey	309-MSD-05	Steinbeck	Enterococcus	60150	104	MPN/100mL

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	5:52	Monterey	309-MSD-05	Steinbeck	Hardness	26	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	5:52	Monterey	309-MSD-05	Steinbeck	Lead	16.3	30	µg/L
First Flush	11/18/23	5:52	Monterey	309-MSD-05	Steinbeck	Nitrate	ND	2.25	mg-N/L
First Flush	11/18/23	5:52	Monterey	309-MSD-05	Steinbeck	Orthophosphate	0.27	0.12	mg-P/L
First Flush	11/18/23	5:52	Monterey	309-MSD-05	Steinbeck	Potassium	1.9	20	mg/L
First Flush	11/18/23	5:52	Monterey	309-MSD-05	Steinbeck	Surfactants - MBAS	0.3	0.2	mg/L
First Flush	11/18/23	5:52	Monterey	309-MSD-05	Steinbeck	Total Suspended Solids	175	500	mg/L
First Flush	11/18/23	5:52	Monterey	309-MSD-05	Steinbeck	Turbidity	45	25	NTU
First Flush	11/18/23	5:52	Monterey	309-MSD-05	Steinbeck	Urea	234	NA	mg-N/L
First Flush	11/18/23	5:52	Monterey	309-MSD-05	Steinbeck	Zinc	219	200	µg/L
First Flush	11/18/23	6:14	Monterey County	309-SASD-02	Las Palmas	Ammonia	0.15	50	mg-N/L
First Flush	11/18/23	6:14	Monterey County	309-SASD-02	Las Palmas	Color	300	500	Color Units
First Flush	11/18/23	6:14	Monterey County	309-SASD-02	Las Palmas	Copper	20.9	30	µg/L
First Flush	11/18/23	6:14	Monterey County	309-SASD-02	Las Palmas	E. coli	120330	235	MPN/100mL
First Flush	11/18/23	6:14	Monterey County	309-SASD-02	Las Palmas	Enterococcus	48392	104	MPN/100mL
First Flush	11/18/23	6:14	Monterey County	309-SASD-02	Las Palmas	Hardness	57	≤ 10 or ≥ 2,000	mg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	6:14	Monterey County	309-SASD-02	Las Palmas	Lead	4.4	30	µg/L
First Flush	11/18/23	6:14	Monterey County	309-SASD-02	Las Palmas	Nitrate	0.3	2.25	mg-N/L
First Flush	11/18/23	6:14	Monterey County	309-SASD-02	Las Palmas	Orthophosphate	0.38	0.12	mg-P/L
First Flush	11/18/23	6:14	Monterey County	309-SASD-02	Las Palmas	Potassium	3.9	20	mg/L
First Flush	11/18/23	6:14	Monterey County	309-SASD-02	Las Palmas	Surfactants - MBAS	0.16	0.2	mg/L
First Flush	11/18/23	6:14	Monterey County	309-SASD-02	Las Palmas	Total Suspended Solids	130	500	mg/L
First Flush	11/18/23	6:14	Monterey County	309-SASD-02	Las Palmas	Turbidity	100	25	NTU
First Flush	11/18/23	6:14	Monterey County	309-SASD-02	Las Palmas	Urea	124	NA	mg-N/L
First Flush	11/18/23	6:14	Monterey County	309-SASD-02	Las Palmas	Zinc	189	200	µg/L
First Flush	11/18/23	6:37	Monterey County	309-SASD-02	Las Palmas	Ammonia	EM	50	mg-N/L
First Flush	11/18/23	6:37	Monterey County	309-SASD-02	Las Palmas	Color	EM	500	Color Units
First Flush	11/18/23	6:37	Monterey County	309-SASD-02	Las Palmas	Copper	EM	30	µg/L
First Flush	11/18/23	6:37	Monterey County	309-SASD-02	Las Palmas	E. coli	EM	235	MPN/100mL
First Flush	11/18/23	6:37	Monterey County	309-SASD-02	Las Palmas	Enterococcus	EM	104	MPN/100mL
First Flush	11/18/23	6:37	Monterey County	309-SASD-02	Las Palmas	Hardness	EM	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	6:37	Monterey County	309-SASD-02	Las Palmas	Lead	EM	30	µg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	6:37	Monterey County	309-SASD-02	Las Palmas	Nitrate	EM	2.25	mg-N/L
First Flush	11/18/23	6:37	Monterey County	309-SASD-02	Las Palmas	Orthophosphate	EM	0.12	mg-P/L
First Flush	11/18/23	6:37	Monterey County	309-SASD-02	Las Palmas	Potassium	EM	20	mg/L
First Flush	11/18/23	6:37	Monterey County	309-SASD-02	Las Palmas	Surfactants - MBAS	EM	0.2	mg/L
First Flush	11/18/23	6:37	Monterey County	309-SASD-02	Las Palmas	Total Suspended Solids	EM	500	mg/L
First Flush	11/18/23	6:37	Monterey County	309-SASD-02	Las Palmas	Turbidity	EM	25	NTU
First Flush	11/18/23	6:37	Monterey County	309-SASD-02	Las Palmas	Urea	EM	NA	mg-N/L
First Flush	11/18/23	6:37	Monterey County	309-SASD-02	Las Palmas	Zinc	EM	200	µg/L
First Flush	12/20/23	7:30	Monterey County	309-SASD-01	Boronda	Ammonia	0.19	50	mg-N/L
First Flush	12/20/23	7:30	Monterey County	309-SASD-01	Boronda	Color	750	500	Color Units
First Flush	12/20/23	7:30	Monterey County	309-SASD-01	Boronda	Copper	34	30	µg/L
First Flush	12/20/23	7:30	Monterey County	309-SASD-01	Boronda	E. coli	23820	235	MPN/100mL
First Flush	12/20/23	7:30	Monterey County	309-SASD-01	Boronda	Enterococcus	64880	104	MPN/100mL
First Flush	12/20/23	7:30	Monterey County	309-SASD-01	Boronda	Hardness	84	≤ 10 or ≥ 2,000	mg/L
First Flush	12/20/23	7:30	Monterey County	309-SASD-01	Boronda	Lead	14.7	30	µg/L
First Flush	12/20/23	7:30	Monterey County	309-SASD-01	Boronda	Nitrate	ND	2.25	mg-N/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	12/20/23	7:30	Monterey County	309-SASD-01	Boronda	Orthophosphate	0.24	0.12	mg-P/L
First Flush	12/20/23	7:30	Monterey County	309-SASD-01	Boronda	Potassium	4.4	20	mg/L
First Flush	12/20/23	7:30	Monterey County	309-SASD-01	Boronda	Surfactants - MBAS	0.04	0.2	mg/L
First Flush	12/20/23	7:30	Monterey County	309-SASD-01	Boronda	Total Suspended Solids	496	500	mg/L
First Flush	12/20/23	7:30	Monterey County	309-SASD-01	Boronda	Turbidity	300	25	NTU
First Flush	12/20/23	7:30	Monterey County	309-SASD-01	Boronda	Urea	128	NA	mg-N/L
First Flush	12/20/23	7:30	Monterey County	309-SASD-01	Boronda	Zinc	207	200	µg/L
First Flush	12/20/23	8:00	Monterey County	309-SASD-01	Boronda	Ammonia	0.15	50	mg-N/L
First Flush	12/20/23	8:00	Monterey County	309-SASD-01	Boronda	Color	250	500	Color Units
First Flush	12/20/23	8:00	Monterey County	309-SASD-01	Boronda	Copper	19	30	µg/L
First Flush	12/20/23	8:00	Monterey County	309-SASD-01	Boronda	E. coli	19890	235	MPN/100mL
First Flush	12/20/23	8:00	Monterey County	309-SASD-01	Boronda	Enterococcus	98040	104	MPN/100mL
First Flush	12/20/23	8:00	Monterey County	309-SASD-01	Boronda	Hardness	56	≤ 10 or ≥ 2,000	mg/L
First Flush	12/20/23	8:00	Monterey County	309-SASD-01	Boronda	Lead	6.4	30	µg/L
First Flush	12/20/23	8:00	Monterey County	309-SASD-01	Boronda	Nitrate	0.3	2.25	mg-N/L
First Flush	12/20/23	8:00	Monterey County	309-SASD-01	Boronda	Orthophosphate	0.37	0.12	mg-P/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	12/20/23	8:00	Monterey County	309-SASD-01	Boronda	Potassium	3.3	20	mg/L
First Flush	12/20/23	8:00	Monterey County	309-SASD-01	Boronda	Surfactants - MBAS	0.05	0.2	mg/L
First Flush	12/20/23	8:00	Monterey County	309-SASD-01	Boronda	Total Suspended Solids	204	500	mg/L
First Flush	12/20/23	8:00	Monterey County	309-SASD-01	Boronda	Turbidity	170	25	NTU
First Flush	12/20/23	8:00	Monterey County	309-SASD-01	Boronda	Urea	267	NA	mg-N/L
First Flush	12/20/23	8:00	Monterey County	309-SASD-01	Boronda	Zinc	112	200	µg/L
First Flush	11/18/23	5:20	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Ammonia	0.31	50	mg-N/L
First Flush	11/18/23	5:20	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Color	600	500	Color Units
First Flush	11/18/23	5:20	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Copper	37.6	30	µg/L
First Flush	11/18/23	5:20	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	E. coli	48392	235	MPN/100mL
First Flush	11/18/23	5:20	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Enterococcus	39726	104	MPN/100mL
First Flush	11/18/23	5:20	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Hardness	33	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	5:20	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Lead	34.2	30	µg/L
First Flush	11/18/23	5:20	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Nitrate	0.3	2.25	mg-N/L
First Flush	11/18/23	5:20	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Orthophosphate	0.3	0.12	mg-P/L
First Flush	11/18/23	5:20	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Potassium	2.8	20	mg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	5:20	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Surfactants - MBAS	0.17	0.2	mg/L
First Flush	11/18/23	5:20	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Total Suspended Solids	580	500	mg/L
First Flush	11/18/23	5:20	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Turbidity	120	25	NTU
First Flush	11/18/23	5:20	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Urea	177	NA	mg-N/L
First Flush	11/18/23	5:20	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Zinc	227	200	µg/L
First Flush	11/18/23	5:55	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Ammonia	0.45	50	mg-N/L
First Flush	11/18/23	5:55	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Color	250	500	Color Units
First Flush	11/18/23	5:55	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Copper	72.2	30	µg/L
First Flush	11/18/23	5:55	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	E. coli	34658	235	MPN/100mL
First Flush	11/18/23	5:55	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Enterococcus	48392	104	MPN/100mL
First Flush	11/18/23	5:55	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Hardness	53	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	5:55	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Lead	123	30	µg/L
First Flush	11/18/23	5:55	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Nitrate	0.2	2.25	mg-N/L
First Flush	11/18/23	5:55	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Orthophosphate	0.24	0.12	mg-P/L
First Flush	11/18/23	5:55	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Potassium	4.8	20	mg/L
First Flush	11/18/23	5:55	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Surfactants - MBAS	0.26	0.2	mg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	5:55	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Total Suspended Solids	178	500	mg/L
First Flush	11/18/23	5:55	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Turbidity	60	25	NTU
First Flush	11/18/23	5:55	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Urea	169	NA	mg-N/L
First Flush	11/18/23	5:55	Monterey/U.S. Army Presidio of Monterey	309-MSD-03	Twins	Zinc	397	200	µg/L
First Flush	11/18/23	5:25	Pacific Grove	309-PGSD-01	8th Street	Ammonia	0.19	50	mg-N/L
First Flush	11/18/23	5:25	Pacific Grove	309-PGSD-01	8th Street	Color	100	500	Color Units
First Flush	11/18/23	5:25	Pacific Grove	309-PGSD-01	8th Street	Copper	17.7	30	µg/L
First Flush	11/18/23	5:25	Pacific Grove	309-PGSD-01	8th Street	E. coli	18416	235	MPN/100mL
First Flush	11/18/23	5:25	Pacific Grove	309-PGSD-01	8th Street	Enterococcus	14970	104	MPN/100mL
First Flush	11/18/23	5:25	Pacific Grove	309-PGSD-01	8th Street	Hardness	29	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	5:25	Pacific Grove	309-PGSD-01	8th Street	HF183	ND	NA	GC/mL
First Flush	11/18/23	5:25	Pacific Grove	309-PGSD-01	8th Street	Lead	5.4	30	µg/L
First Flush	11/18/23	5:25	Pacific Grove	309-PGSD-01	8th Street	Nitrate	0.2	2.25	mg-N/L
First Flush	11/18/23	5:25	Pacific Grove	309-PGSD-01	8th Street	Orthophosphate	0.28	0.12	mg-P/L
First Flush	11/18/23	5:25	Pacific Grove	309-PGSD-01	8th Street	Potassium	3.8	20	mg/L
First Flush	11/18/23	5:25	Pacific Grove	309-PGSD-01	8th Street	Surfactants - MBAS	0.34	0.2	mg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	5:25	Pacific Grove	309-PGSD-01	8th Street	Total Suspended Solids	34	500	mg/L
First Flush	11/18/23	5:25	Pacific Grove	309-PGSD-01	8th Street	Turbidity	12	25	NTU
First Flush	11/18/23	5:25	Pacific Grove	309-PGSD-01	8th Street	Urea	109	NA	mg-N/L
First Flush	11/18/23	5:25	Pacific Grove	309-PGSD-01	8th Street	Zinc	61	200	µg/L
First Flush	11/18/23	5:56	Pacific Grove	309-PGSD-01	8th Street	Ammonia	0.35	50	mg-N/L
First Flush	11/18/23	5:56	Pacific Grove	309-PGSD-01	8th Street	Color	200	500	Color Units
First Flush	11/18/23	5:56	Pacific Grove	309-PGSD-01	8th Street	Copper	26.2	30	µg/L
First Flush	11/18/23	5:56	Pacific Grove	309-PGSD-01	8th Street	E. coli	77010	235	MPN/100mL
First Flush	11/18/23	5:56	Pacific Grove	309-PGSD-01	8th Street	Enterococcus	31690	104	MPN/100mL
First Flush	11/18/23	5:56	Pacific Grove	309-PGSD-01	8th Street	Hardness	48	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	5:56	Pacific Grove	309-PGSD-01	8th Street	HF183	ND	NA	GC/mL
First Flush	11/18/23	5:56	Pacific Grove	309-PGSD-01	8th Street	Lead	11.2	30	µg/L
First Flush	11/18/23	5:56	Pacific Grove	309-PGSD-01	8th Street	Nitrate	0.3	2.25	mg-N/L
First Flush	11/18/23	5:56	Pacific Grove	309-PGSD-01	8th Street	Orthophosphate	0.43	0.12	mg-P/L
First Flush	11/18/23	5:56	Pacific Grove	309-PGSD-01	8th Street	Potassium	9.1	20	mg/L
First Flush	11/18/23	5:56	Pacific Grove	309-PGSD-01	8th Street	Surfactants - MBAS	0.26	0.2	mg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	5:56	Pacific Grove	309-PGSD-01	8th Street	Total Suspended Solids	220	500	mg/L
First Flush	11/18/23	5:56	Pacific Grove	309-PGSD-01	8th Street	Turbidity	60	25	NTU
First Flush	11/18/23	5:56	Pacific Grove	309-PGSD-01	8th Street	Urea	102	NA	mg-N/L
First Flush	11/18/23	5:56	Pacific Grove	309-PGSD-01	8th Street	Zinc	103	200	µg/L
First Flush	11/18/23	5:35	Pacific Grove	309-CENTR-31	Greenwood Park	Ammonia	0.46	50	mg-N/L
First Flush	11/18/23	5:35	Pacific Grove	309-CENTR-31	Greenwood Park	Color	75	500	Color Units
First Flush	11/18/23	5:35	Pacific Grove	309-CENTR-31	Greenwood Park	Copper	17	30	µg/L
First Flush	11/18/23	5:35	Pacific Grove	309-CENTR-31	Greenwood Park	E. coli	48392	235	MPN/100mL
First Flush	11/18/23	5:35	Pacific Grove	309-CENTR-31	Greenwood Park	Enterococcus	13880	104	MPN/100mL
First Flush	11/18/23	5:35	Pacific Grove	309-CENTR-31	Greenwood Park	Hardness	26	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	5:35	Pacific Grove	309-CENTR-31	Greenwood Park	HF183	ND	NA	GC/mL
First Flush	11/18/23	5:35	Pacific Grove	309-CENTR-31	Greenwood Park	Lead	3.9	30	µg/L
First Flush	11/18/23	5:35	Pacific Grove	309-CENTR-31	Greenwood Park	Nitrate	0.3	2.25	mg-N/L
First Flush	11/18/23	5:35	Pacific Grove	309-CENTR-31	Greenwood Park	Orthophosphate	0.41	0.12	mg-P/L
First Flush	11/18/23	5:35	Pacific Grove	309-CENTR-31	Greenwood Park	Potassium	4.9	20	mg/L
First Flush	11/18/23	5:35	Pacific Grove	309-CENTR-31	Greenwood Park	Surfactants - MBAS	0.3	0.2	mg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	5:35	Pacific Grove	309-CENTR-31	Greenwood Park	Total Suspended Solids	32	500	mg/L
First Flush	11/18/23	5:35	Pacific Grove	309-CENTR-31	Greenwood Park	Turbidity	19	25	NTU
First Flush	11/18/23	5:35	Pacific Grove	309-CENTR-31	Greenwood Park	Urea	153	NA	mg-N/L
First Flush	11/18/23	5:35	Pacific Grove	309-CENTR-31	Greenwood Park	Zinc	79	200	µg/L
First Flush	11/18/23	6:05	Pacific Grove	309-CENTR-31	Greenwood Park	Ammonia	0.27	50	mg-N/L
First Flush	11/18/23	6:05	Pacific Grove	309-CENTR-31	Greenwood Park	Color	100	500	Color Units
First Flush	11/18/23	6:05	Pacific Grove	309-CENTR-31	Greenwood Park	Copper	22.1	30	µg/L
First Flush	11/18/23	6:05	Pacific Grove	309-CENTR-31	Greenwood Park	E. coli	25994	235	MPN/100mL
First Flush	11/18/23	6:05	Pacific Grove	309-CENTR-31	Greenwood Park	Enterococcus	10630	104	MPN/100mL
First Flush	11/18/23	6:05	Pacific Grove	309-CENTR-31	Greenwood Park	Hardness	ND	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	6:05	Pacific Grove	309-CENTR-31	Greenwood Park	HF183	ND	NA	GC/mL
First Flush	11/18/23	6:05	Pacific Grove	309-CENTR-31	Greenwood Park	Lead	15.4	30	µg/L
First Flush	11/18/23	6:05	Pacific Grove	309-CENTR-31	Greenwood Park	Nitrate	ND	2.25	mg-N/L
First Flush	11/18/23	6:05	Pacific Grove	309-CENTR-31	Greenwood Park	Orthophosphate	0.26	0.12	mg-P/L
First Flush	11/18/23	6:05	Pacific Grove	309-CENTR-31	Greenwood Park	Potassium	ND	20	mg/L
First Flush	11/18/23	6:05	Pacific Grove	309-CENTR-31	Greenwood Park	Surfactants - MBAS	0.22	0.2	mg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	6:05	Pacific Grove	309-CENTR-31	Greenwood Park	Total Suspended Solids	117	500	mg/L
First Flush	11/18/23	6:05	Pacific Grove	309-CENTR-31	Greenwood Park	Turbidity	29	25	NTU
First Flush	11/18/23	6:05	Pacific Grove	309-CENTR-31	Greenwood Park	Urea	88	NA	mg-N/L
First Flush	11/18/23	6:05	Pacific Grove	309-CENTR-31	Greenwood Park	Zinc	115	200	µg/L
First Flush	11/18/23	6:48	Pacific Grove	309-PGSD-03	Lover's Point	Ammonia	0.23	50	mg-N/L
First Flush	11/18/23	6:48	Pacific Grove	309-PGSD-03	Lover's Point	Color	75	500	Color Units
First Flush	11/18/23	6:48	Pacific Grove	309-PGSD-03	Lover's Point	Copper	14.4	30	µg/L
First Flush	11/18/23	6:48	Pacific Grove	309-PGSD-03	Lover's Point	E. coli	19608	235	MPN/100mL
First Flush	11/18/23	6:48	Pacific Grove	309-PGSD-03	Lover's Point	Enterococcus	6650	104	MPN/100mL
First Flush	11/18/23	6:48	Pacific Grove	309-PGSD-03	Lover's Point	Hardness	22	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	6:48	Pacific Grove	309-PGSD-03	Lover's Point	HF183	ND	NA	GC/mL
First Flush	11/18/23	6:48	Pacific Grove	309-PGSD-03	Lover's Point	Lead	4	30	µg/L
First Flush	11/18/23	6:48	Pacific Grove	309-PGSD-03	Lover's Point	Nitrate	0.2	2.25	mg-N/L
First Flush	11/18/23	6:48	Pacific Grove	309-PGSD-03	Lover's Point	Orthophosphate	0.29	0.12	mg-P/L
First Flush	11/18/23	6:48	Pacific Grove	309-PGSD-03	Lover's Point	Potassium	2.9	20	mg/L
First Flush	11/18/23	6:48	Pacific Grove	309-PGSD-03	Lover's Point	Surfactants - MBAS	0.23	0.2	mg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	6:48	Pacific Grove	309-PGSD-03	Lover's Point	Total Suspended Solids	19	500	mg/L
First Flush	11/18/23	6:48	Pacific Grove	309-PGSD-03	Lover's Point	Turbidity	11	25	NTU
First Flush	11/18/23	6:48	Pacific Grove	309-PGSD-03	Lover's Point	Urea	93	NA	mg-N/L
First Flush	11/18/23	6:48	Pacific Grove	309-PGSD-03	Lover's Point	Zinc	50	200	µg/L
First Flush	11/18/23	7:18	Pacific Grove	309-PGSD-03	Lover's Point	Ammonia	0.2	50	mg-N/L
First Flush	11/18/23	7:18	Pacific Grove	309-PGSD-03	Lover's Point	Color	100	500	Color Units
First Flush	11/18/23	7:18	Pacific Grove	309-PGSD-03	Lover's Point	Copper	14.3	30	µg/L
First Flush	11/18/23	7:18	Pacific Grove	309-PGSD-03	Lover's Point	E. coli	34658	235	MPN/100mL
First Flush	11/18/23	7:18	Pacific Grove	309-PGSD-03	Lover's Point	Enterococcus	25994	104	MPN/100mL
First Flush	11/18/23	7:18	Pacific Grove	309-PGSD-03	Lover's Point	Hardness	23	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	7:18	Pacific Grove	309-PGSD-03	Lover's Point	HF183	4	NA	GC/mL
First Flush	11/18/23	7:18	Pacific Grove	309-PGSD-03	Lover's Point	Lead	4.4	30	µg/L
First Flush	11/18/23	7:18	Pacific Grove	309-PGSD-03	Lover's Point	Nitrate	0.2	2.25	mg-N/L
First Flush	11/18/23	7:18	Pacific Grove	309-PGSD-03	Lover's Point	Orthophosphate	0.31	0.12	mg-P/L
First Flush	11/18/23	7:18	Pacific Grove	309-PGSD-03	Lover's Point	Potassium	3.5	20	mg/L
First Flush	11/18/23	7:18	Pacific Grove	309-PGSD-03	Lover's Point	Surfactants - MBAS	0.33	0.2	mg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	7:18	Pacific Grove	309-PGSD-03	Lover's Point	Total Suspended Solids	16	500	mg/L
First Flush	11/18/23	7:18	Pacific Grove	309-PGSD-03	Lover's Point	Turbidity	11	25	NTU
First Flush	11/18/23	7:18	Pacific Grove	309-PGSD-03	Lover's Point	Urea	177	NA	mg-N/L
First Flush	11/18/23	7:18	Pacific Grove	309-PGSD-03	Lover's Point	Zinc	50	200	µg/L
First Flush	11/18/23	6:22	Pacific Grove	309-PGSD-04	Pico	Ammonia	0.16	50	mg-N/L
First Flush	11/18/23	6:22	Pacific Grove	309-PGSD-04	Pico	Color	150	500	Color Units
First Flush	11/18/23	6:22	Pacific Grove	309-PGSD-04	Pico	Copper	26.8	30	µg/L
First Flush	11/18/23	6:22	Pacific Grove	309-PGSD-04	Pico	E. coli	34480	235	MPN/100mL
First Flush	11/18/23	6:22	Pacific Grove	309-PGSD-04	Pico	Enterococcus	32550	104	MPN/100mL
First Flush	11/18/23	6:22	Pacific Grove	309-PGSD-04	Pico	Hardness	25	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	6:22	Pacific Grove	309-PGSD-04	Pico	HF183	ND	NA	GC/mL
First Flush	11/18/23	6:22	Pacific Grove	309-PGSD-04	Pico	Lead	16.7	30	µg/L
First Flush	11/18/23	6:22	Pacific Grove	309-PGSD-04	Pico	Nitrate	ND	2.25	mg-N/L
First Flush	11/18/23	6:22	Pacific Grove	309-PGSD-04	Pico	Orthophosphate	0.24	0.12	mg-P/L
First Flush	11/18/23	6:22	Pacific Grove	309-PGSD-04	Pico	Potassium	3.5	20	mg/L
First Flush	11/18/23	6:22	Pacific Grove	309-PGSD-04	Pico	Surfactants - MBAS	0.22	0.2	mg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	6:22	Pacific Grove	309-PGSD-04	Pico	Total Suspended Solids	92	500	mg/L
First Flush	11/18/23	6:22	Pacific Grove	309-PGSD-04	Pico	Turbidity	36	25	NTU
First Flush	11/18/23	6:22	Pacific Grove	309-PGSD-04	Pico	Urea	118	NA	mg-N/L
First Flush	11/18/23	6:22	Pacific Grove	309-PGSD-04	Pico	Zinc	105	200	µg/L
First Flush	11/18/23	6:51	Pacific Grove	309-PGSD-04	Pico	Ammonia	0.24	50	mg-N/L
First Flush	11/18/23	6:51	Pacific Grove	309-PGSD-04	Pico	Color	150	500	Color Units
First Flush	11/18/23	6:51	Pacific Grove	309-PGSD-04	Pico	Copper	26.9	30	µg/L
First Flush	11/18/23	6:51	Pacific Grove	309-PGSD-04	Pico	E. coli	48392	235	MPN/100mL
First Flush	11/18/23	6:51	Pacific Grove	309-PGSD-04	Pico	Enterococcus	18278	104	MPN/100mL
First Flush	11/18/23	6:51	Pacific Grove	309-PGSD-04	Pico	Hardness	44	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	6:51	Pacific Grove	309-PGSD-04	Pico	HF183	ND	NA	GC/mL
First Flush	11/18/23	6:51	Pacific Grove	309-PGSD-04	Pico	Lead	3.8	30	µg/L
First Flush	11/18/23	6:51	Pacific Grove	309-PGSD-04	Pico	Nitrate	0.2	2.25	mg-N/L
First Flush	11/18/23	6:51	Pacific Grove	309-PGSD-04	Pico	Orthophosphate	0.34	0.12	mg-P/L
First Flush	11/18/23	6:51	Pacific Grove	309-PGSD-04	Pico	Potassium	7.6	20	mg/L
First Flush	11/18/23	6:51	Pacific Grove	309-PGSD-04	Pico	Surfactants - MBAS	0.38	0.2	mg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	6:51	Pacific Grove	309-PGSD-04	Pico	Total Suspended Solids	55	500	mg/L
First Flush	11/18/23	6:51	Pacific Grove	309-PGSD-04	Pico	Turbidity	22	25	NTU
First Flush	11/18/23	6:51	Pacific Grove	309-PGSD-04	Pico	Urea	89	NA	mg-N/L
First Flush	11/18/23	6:51	Pacific Grove	309-PGSD-04	Pico	Zinc	60	200	µg/L
First Flush	11/18/23	6:17	Pacific Grove	309-PGSD-15	Sea Palm	Ammonia	0.25	50	mg-N/L
First Flush	11/18/23	6:17	Pacific Grove	309-PGSD-15	Sea Palm	Color	200	500	Color Units
First Flush	11/18/23	6:17	Pacific Grove	309-PGSD-15	Sea Palm	Copper	27.8	30	µg/L
First Flush	11/18/23	6:17	Pacific Grove	309-PGSD-15	Sea Palm	E. coli	28272	235	MPN/100mL
First Flush	11/18/23	6:17	Pacific Grove	309-PGSD-15	Sea Palm	Enterococcus	39726	104	MPN/100mL
First Flush	11/18/23	6:17	Pacific Grove	309-PGSD-15	Sea Palm	Hardness	31	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	6:17	Pacific Grove	309-PGSD-15	Sea Palm	HF183	ND	NA	GC/mL
First Flush	11/18/23	6:17	Pacific Grove	309-PGSD-15	Sea Palm	Lead	13.4	30	µg/L
First Flush	11/18/23	6:17	Pacific Grove	309-PGSD-15	Sea Palm	Nitrate	0.4	2.25	mg-N/L
First Flush	11/18/23	6:17	Pacific Grove	309-PGSD-15	Sea Palm	Orthophosphate	0.58	0.12	mg-P/L
First Flush	11/18/23	6:17	Pacific Grove	309-PGSD-15	Sea Palm	Potassium	7.4	20	mg/L
First Flush	11/18/23	6:17	Pacific Grove	309-PGSD-15	Sea Palm	Surfactants - MBAS	0.3	0.2	mg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	6:17	Pacific Grove	309-PGSD-15	Sea Palm	Total Suspended Solids	118	500	mg/L
First Flush	11/18/23	6:17	Pacific Grove	309-PGSD-15	Sea Palm	Turbidity	65	25	NTU
First Flush	11/18/23	6:17	Pacific Grove	309-PGSD-15	Sea Palm	Urea	77	NA	mg-N/L
First Flush	11/18/23	6:17	Pacific Grove	309-PGSD-15	Sea Palm	Zinc	85	200	µg/L
First Flush	11/18/23	6:47	Pacific Grove	309-PGSD-15	Sea Palm	Ammonia	0.17	50	mg-N/L
First Flush	11/18/23	6:47	Pacific Grove	309-PGSD-15	Sea Palm	Color	150	500	Color Units
First Flush	11/18/23	6:47	Pacific Grove	309-PGSD-15	Sea Palm	Copper	26.1	30	µg/L
First Flush	11/18/23	6:47	Pacific Grove	309-PGSD-15	Sea Palm	E. coli	19608	235	MPN/100mL
First Flush	11/18/23	6:47	Pacific Grove	309-PGSD-15	Sea Palm	Enterococcus	3460	104	MPN/100mL
First Flush	11/18/23	6:47	Pacific Grove	309-PGSD-15	Sea Palm	Hardness	34	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	6:47	Pacific Grove	309-PGSD-15	Sea Palm	HF183	ND	NA	GC/mL
First Flush	11/18/23	6:47	Pacific Grove	309-PGSD-15	Sea Palm	Lead	18.2	30	µg/L
First Flush	11/18/23	6:47	Pacific Grove	309-PGSD-15	Sea Palm	Nitrate	0.3	2.25	mg-N/L
First Flush	11/18/23	6:47	Pacific Grove	309-PGSD-15	Sea Palm	Orthophosphate	0.31	0.12	mg-P/L
First Flush	11/18/23	6:47	Pacific Grove	309-PGSD-15	Sea Palm	Potassium	5.1	20	mg/L
First Flush	11/18/23	6:47	Pacific Grove	309-PGSD-15	Sea Palm	Surfactants - MBAS	0.25	0.2	mg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	6:47	Pacific Grove	309-PGSD-15	Sea Palm	Total Suspended Solids	112	500	mg/L
First Flush	11/18/23	6:47	Pacific Grove	309-PGSD-15	Sea Palm	Turbidity	38	25	NTU
First Flush	11/18/23	6:47	Pacific Grove	309-PGSD-15	Sea Palm	Urea	55	NA	mg-N/L
First Flush	11/18/23	6:47	Pacific Grove	309-PGSD-15	Sea Palm	Zinc	89	200	µg/L
First Flush	11/18/23	5:31	Seaside/Sand City	309-SSD-02	Bay Street	Ammonia	0.54	50	mg-N/L
First Flush	11/18/23	5:31	Seaside/Sand City	309-SSD-02	Bay Street	Color	400	500	Color Units
First Flush	11/18/23	5:31	Seaside/Sand City	309-SSD-02	Bay Street	Copper	95	30	µg/L
First Flush	11/18/23	5:31	Seaside/Sand City	309-SSD-02	Bay Street	E. coli	155310	235	MPN/100mL
First Flush	11/18/23	5:31	Seaside/Sand City	309-SSD-02	Bay Street	Enterococcus	92080	104	MPN/100mL
First Flush	11/18/23	5:31	Seaside/Sand City	309-SSD-02	Bay Street	Hardness	58	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	5:31	Seaside/Sand City	309-SSD-02	Bay Street	Lead	43.4	30	µg/L
First Flush	11/18/23	5:31	Seaside/Sand City	309-SSD-02	Bay Street	Nitrate	0.3	2.25	mg-N/L
First Flush	11/18/23	5:31	Seaside/Sand City	309-SSD-02	Bay Street	Orthophosphate	0.25	0.12	mg-P/L
First Flush	11/18/23	5:31	Seaside/Sand City	309-SSD-02	Bay Street	Potassium	4.1	20	mg/L
First Flush	11/18/23	5:31	Seaside/Sand City	309-SSD-02	Bay Street	Surfactants - MBAS	0.49	0.2	mg/L
First Flush	11/18/23	5:31	Seaside/Sand City	309-SSD-02	Bay Street	Total Suspended Solids	210	500	mg/L

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	5:31	Seaside/Sand City	309-SSD-02	Bay Street	Turbidity	120	25	NTU
First Flush	11/18/23	5:31	Seaside/Sand City	309-SSD-02	Bay Street	Urea	153	NA	mg-N/L
First Flush	11/18/23	5:31	Seaside/Sand City	309-SSD-02	Bay Street	Zinc	407	200	µg/L
First Flush	11/18/23	6:04	Seaside/Sand City	309-SSD-02	Bay Street	Ammonia	0.56	50	mg-N/L
First Flush	11/18/23	6:04	Seaside/Sand City	309-SSD-02	Bay Street	Color	250	500	Color Units
First Flush	11/18/23	6:04	Seaside/Sand City	309-SSD-02	Bay Street	Copper	43.5	30	µg/L
First Flush	11/18/23	6:04	Seaside/Sand City	309-SSD-02	Bay Street	E. coli	48392	235	MPN/100mL
First Flush	11/18/23	6:04	Seaside/Sand City	309-SSD-02	Bay Street	Enterococcus	48392	104	MPN/100mL
First Flush	11/18/23	6:04	Seaside/Sand City	309-SSD-02	Bay Street	Hardness	52	≤ 10 or ≥ 2,000	mg/L
First Flush	11/18/23	6:04	Seaside/Sand City	309-SSD-02	Bay Street	Lead	21.5	30	µg/L
First Flush	11/18/23	6:04	Seaside/Sand City	309-SSD-02	Bay Street	Nitrate	0.3	2.25	mg-N/L
First Flush	11/18/23	6:04	Seaside/Sand City	309-SSD-02	Bay Street	Orthophosphate	0.25	0.12	mg-P/L
First Flush	11/18/23	6:04	Seaside/Sand City	309-SSD-02	Bay Street	Potassium	4.6	20	mg/L
First Flush	11/18/23	6:04	Seaside/Sand City	309-SSD-02	Bay Street	Surfactants - MBAS	0.5	0.2	mg/L
First Flush	11/18/23	6:04	Seaside/Sand City	309-SSD-02	Bay Street	Total Suspended Solids	102	500	mg/L
First Flush	11/18/23	6:04	Seaside/Sand City	309-SSD-02	Bay Street	Turbidity	58	25	NTU

Run	Date	Sample Time/Time Visited	Jurisdiction	Site ID	Site Name	Analyte	Result	WQO	Units
First Flush	11/18/23	6:04	Seaside/Sand City	309-SSD-02	Bay Street	Urea	215	NA	mg-N/L
First Flush	11/18/23	6:04	Seaside/Sand City	309-SSD-02	Bay Street	Zinc	230	200	µg/L



NATIONAL MARINE
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AMERICA'S UNDERWATER TREASURES