OAK LODGE WATER SERVICES

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PERMIT

Permit No. 101348

ANNUAL REPORT FY 2023-2024 November 25, 2024

This annual compliance report for the MS4 Discharge Permit No. 101348 is submitted in accordance with Schedule B, Condition 5 of the permit. As required by 40 CFR Section 122.22, I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Brad Albert

Brad Albert, General Manager

11/25/2024

Date

Prepared by Oak Lodge Water Services Technical Services Department





2023-2024 Annual Report

for National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Permit Compliance Permit #101348

Prepared by: Oak Lodge Water Services, Technical Services Department

November 2024

2024 Oak Lodge Water Services October 2021 MS4 Permit ANNUAL REPORT REQUIREMENTS

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1. Background

The Board of Directors of Oak Lodge Sanitary District (OLSD) created a Surface Water Management program with the adoption of Ordinance 1001 in May of 1993. The purpose of the Surface Water Management Program is to:

- prevent pollutants from entering rivers, lakes, and streams;
- maintain and/or improve water quality; and
- restore or enhance properly functioning conditions in the watersheds.

Program development officially began on July 1, 1993, with the collection of Surface Water Management fees based on impervious surface area.

On January 1, 2017, Oak Lodge Sanitary District and Oak Lodge Water District officially consolidated into Oak Lodge Water Services (OLWS). Prior to this consolidation, Oak Lodge Sanitary District passed Resolution (16-12) assigning all assets and obligations to the Oak Lodge Water Services. Oak Lodge Water Services understands that it must meet the obligations that OLSD made for the MS4 Permit. In 2023, OLWS became an Authority, which is a type of special district that holds its assets, duties, and boundaries in perpetuity, including the requirements of the MS4 Permit.

Permit History

Under the federal Clean Water Act (CWA) and Oregon Revised Statute 468B.050, Oregon Department of Environmental Quality (DEQ) has issued the Oak Lodge Water Services (OLWS) a renewed National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Phase I Discharge Permit, effective October 1, 2021.

OLWS is a co-permittee on the Clackamas County NPDES MS4 Permit, along with 11 other agencies. The first permit (101348) was issued in 1995. A second permit was issued in 2005 after an appeal and a modification. A third permit was issued in 2012, expired in 2017 and went into administrative extension until a renewed permit with an effective date of October 1st, 2021, and a modified monitoring plan approved effective May 5, 2023.

The 2022 version of the OLWS's Stormwater Management Plan (SWMP) was developed based on a review and evaluation of the OLWS's stormwater management program, including activities and accomplishments implemented during the previous permit term and during the administrative extension period. The OLWS has used an adaptive management process to assess and modify, if necessary, best management practices (BMPs) to achieve reductions in stormwater pollutants to the maximum extent practicable. The SWMP modifications consider available technologies and practices; review of measurable goals and tracking measures; and evaluation of resources available to implement programs.

The BMPs are evaluated annually during the preparation of the NPDES MS4 Annual Report. The annual reports include the status of implementing each BMP and any proposed modifications or adaptations to the program.

This Annual Report describes activities related to implementation of the OLWS's NPDES MS4 Permit and the SWMP. The SWMP contains BMPs, which outline the specific tasks that the OLWS will conduct to prevent and reduce stormwater pollution to the maximum extent practicable to protect water quality and satisfy the requirements of the NPDES MS4 Permit and the CWA.

Annual Reporting Requirements from Schedule B.3.a I.	Location in document
a. The status of implementing the Stormwater Management Program (SWMP) and each control measure program element in Schedule A.3, including progress in meeting the measurable goals and program tracking and assessment metrics identified in the SWMP Document as well as additional annual reporting requirements identified in each section, or, prior to SWMP Document approval by DEQ, measurable goals and tracking metrics approved under the previous permit's approved SWMP.	Section 3
b. A summary of the adaptive management implementation and any changes or updates to programs made during the reporting year, including rationales for any proposed changes to the SWMP (e.g., new BMPs), and review of related new and historical monitoring data. This summary should also include discussion of the implications of, or any findings related to recent years' adaptive management and/or changes made to the SWMP Document, based on data from tracking measures, measurable goals, and/or any monitoring related to the change.	Section 5
c. Any proposed changes to SWMP program elements that are designed to reduce Total Maximum Daily Loads (TMDL) pollutants.	Section 6
d. A summary of education & outreach and public involvement activities, progress toward or achievement of measurable goals, and any relevant assessment of those activities. This should include planned adaptive management or other program enhancements to occur in the following years.	Section 4
e. A summary describing the number and nature of enforcement actions, inspections, and public education programs, including results of ongoing field screening and follow-up activities related to illicit discharges.	Appendix A
f. A list of entities referred to DEQ for possible 1200-Z NPDES general permit coverage based on co-permittee screening activities, a list of categories of facilities inspected, and an overview of the results of inspections of commercial and industrial facilities.	Appendix A
g. A summary of total stormwater program expenditures and funding sources over the reporting fiscal year, and any anticipated in the next fiscal year.	Section 7
h. A summary of monitoring program results, including monitoring data that are accumulated throughout the reporting year submitted in the DEQ-approved Data Submission Format, and any assessments or evaluations of that data completed by the co-permittees or an authorized third party.	Appendix B
i. Any proposed modifications to the monitoring plan are necessary to ensure that adequate data and information are collected to conduct stormwater program assessments.	Section 9
j. An overview, as related to MS4 discharges, of concept planning, land use changes and new development activities (including the number of new post- construction permits issued) that occurred within the Urban Growth Boundary (UGB) expansion areas during the reporting year, and those forecast for the following year, where such data is available.	Section 11
k. The details of all corrective actions implemented associated with Schedule A.1.b.iii during the reporting year.	Appendix A

• Updated Stormwater Code – OLWS Design and Construction Standards – to address requirements in Schedule A.3.e.

2. <u>Report Organization</u>

This report is organized based on the requirements of the October 2021 NPDES permit, Schedule B.5.a through B.5.1. The numbers listed after the report headings indicate the portion of the permit schedule that the section addresses. The report covers the activities of OLWS from July 1, 2023 to June 30, 2024. Information about implementation of required BMP's is summarized in Appendix A. Lastly, the DEQ Grab Data Submission Table summarizes water quality sampling activities in Appendix B. Brief summaries of each topic are described in this document.

3. Status of SWMP Program Document, Information, Metrics (A.2.c-d)

The Oak Lodge Water Services implemented the current Surface Water Management Program (SWMP) in 2022, based on the current requirements of the 2021 MS4 Permit. For this annual report, implementation of the SWMP is being reported based on the requirements in the current permit (No. 101348). This information is summarized in this Narrative and in Appendix A of this report.

4. <u>Status of Public Education Programs (A.3.a)</u>

OLWS uses multiple avenues to educate the public about the importance of surface water protection.

OLWS includes bi-monthly newsletters in our bills and posts the same information on our website and social media. OLWS partners with multiple agencies and non-profits to support public outreach and education focused on stormwater.

Over time, OLWS has created, supported, and implemented a variety of programs and partnerships to provide outreach to the community about surface water issues. Partnerships include:

- Ecology in Classrooms & Outdoors (ECO)
- Clackamas Community College Environment Learning Center (CCC ELC)
- Regional Coalition for Clean Rivers and Streams (Coalition)
- North Clackamas Park and Recreation District (NCPRD)

Ongoing public education through programs include:

- Backyard Habitat Certification Program with Portland Audubon and Columbia Land Trust
- OLWS Stormdrain Cleaning Assistance Program
- OLWS Wastewater Treatment Plant Tours

Stormdrain Cleaning Assistance Program (SCAP)

The Stormdrain Cleaning Assistance Program helps businesses maintain their parking lot drains at a discounted price, removing contaminants and preventing flooding. The image below is the Stormdrain

Cleaning Assistance Program Postcard. We implemented the use of QR codes to make it easy for customers to sign up online via an online form.



Stormdrain Cleaning Assistance Program

Stormdrains discharge rainwater to local streams, they require regular maintenance to remove contaminants and prevent flooding. OLWS coordinates the Stormdrain Cleaning Assistance Program to help businesses maintain their parking lot drains at a discounted

price at **\$60 per drain flat fee**. Register at OakLodgeWaterServices.org/scap.

Deadline is October 31, 2023. Questions? Contact alexa.morris@olws.org or by text/call (503) 353-4219.



Wastewater Treatment Plant Tours

In-person customer tours resumed in Summer 2023 and 2024. OLWS had 7 tours between July 1, 2023 – June 30, 2024.

Backyard Habitat Certification Program

OLWS partners with the Backyard Habitat Certification Program (BHCP) to support urban gardeners in their efforts to create natural backyard habitats. This includes working with homeowners to find stormwater solutions in their yards to mimic nature by allowing runoff to soak into the ground, helping to filter out pollutants and decrease or eliminate runoff on their property. In 2023-24 in the OLWS Service Area, BHCP visited 28 properties and 5 were certified.



Figure 1: Oak Grove resident Jenna with her Backyard Habitat certification

Ecology in Classrooms & Outdoors (ECO)

This year's ECO programming engaged approximately 400 students across Oak Grove Elementary, View Acres Elementary, Candy Lane Elementary, Riverside Elementary, New Urban High, and Rex Putnam High, totaling 2,100 contact hours. ECO educators delivered 44 indoor lessons, 20 outdoor lessons, and 25 walking field trips.

At Oak Grove Elementary, View Acres Elementary, New Urban High, and Rex Putnam High, ECO reached about 270 students. These students learned a broad range of ecology topics and participated in activities like planting native plants and visiting local parks. Feedback from students showed that 79% believed kids can change the environment's health, and 94% liked nature. One student said, "I like ECO because it is important to teach kids about our planet," while a teacher appreciated the program's hands-on activities and multiple lesson structures.

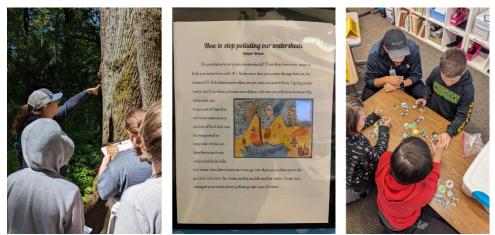


Figure 2: Ecology in Classrooms & Outdoors student activities and field trips

Aves Compartidas

Aves Compartidas provides Spanish immersion and dual language classroom lessons on ecology, restoration and land use, and offers field experiences where students engage in habitat enhancement projects. Programming supports the teachers and students at three dual language elementary schools:



Figure 3: Aves Compartidas students working on migratory bird projects

Candy Lane Elementary (4 classrooms), Riverside Elementary (3 classrooms), and Milwaukie El Puente Elementary (9 classrooms). This year the program at Candy Lane Elementary and Riverside Elementary reached 130 students. At Riverside, the program integrated into dual language classrooms for 3rd-5th grades, focusing on migratory birds like the rufous hummingbird, yellow warbler, and great blue heron, which are indicator species for water quality.

Candy Lane's fourth graders focused on the yellow warbler and presented their projects at the year's end.

Clackamas Community College Environmental Learning Center (CCC ELC)

This winter the Environmental Learning Center presented Livestream

episodes to K-5 students. Each of ten episodes focused on wetland ecology, wildlife, and watershed health. Student activity sheets were developed to engage students in the content; each program has an accompanying sheet. Programs aligned with Next Generation Science Standards (NGSS).

Teachers were provided recordings of the sessions in addition to links for joining the LIVE events. This enabled them to view the presentation at a time that was convenient for them. Two episodes were delivered each week, one for grades K-3 (Wild About Water) and the other for grades 4-5 (Wild in the Wetland), which totaled in 10 livestream classes. Highlighted below are some topics that were featured:

- Beavers, Nature's Builders: January 30, 2024, with 52 students
- Hurray for Herons!: February 13, 2024, with 52 students
- Coyote, Your Wildlife Neighbor: February 27, 2024, with 52 students
- Fun with Frogs: March 12, 2024, with 52 students
- Darting Dragonflies: April 9, 2024, with 52 students

The CCC ELC also offers three field trips that immerse students in discovering and exploring the beautiful wetland and forest ecosystems. All field trips are two hours long. Field trip activities include:

- Learning about wetland inhabitants and solving wildlife mysteries
- Discovering macroinvertebrates in the wetland
- Measuring the quality of water in our wetland

School (field trip)	Grade	# of students
Candy Lane Elementary	5 th grade	62
(Healthy Watersheds)		
Oak Grove Elementary	1 st grade	40
(Discovering Wetland Wildlife)		
Riverside Elementary	3 ^{rd,} 4 th , and 5 th grades	174
(Healthy Watersheds & Welcome Home)		
View Acres Elementary	3 rd grade	54
(Welcome Home)		

Regional Coalition for Clean Rivers and Streams (Coalition)

OLWS is active with the Regional Coalition for Clean Rivers and Streams (Coalition). The Coalition continued its work – initiated in the late 1990s – of providing coordinated messaging about area water health and residential behaviors linked to stormwater pollution from across the Portland metropolitan region in Washington, Multnomah, and Clackamas counties.

The Coalition continues its mission of collaborating across the Portland metropolitan region to improve watershed health by changing household behaviors, reducing polluted runoff and connecting people with their local waterways.

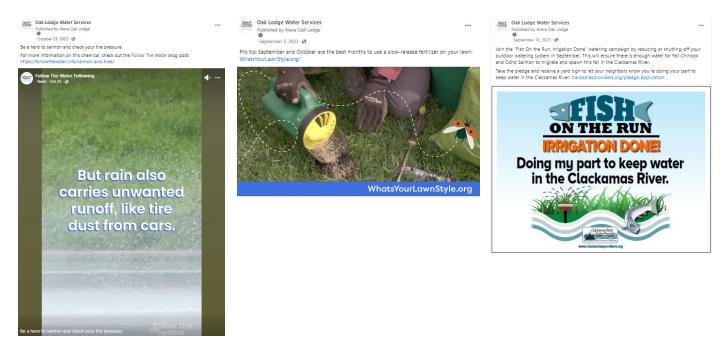
The Coalition's key messages focus on raising awareness about pollution from stormwater runoff and motivating actions to protect surface water quality through action at the household level. The key messages are:

- Stormwater runoff goes directly to our local waterways without treatment. When it rains, pollutants from your home, car, and garden wash into our rivers and streams. Never dump anything into storm drains.
- Bacteria from uncollected dog waste washes into our rivers and streams. You can protect our water by picking up after your pets. OLWS partners with NCPRD to provide waste bags for dogs in our service area.
- Yard and garden products wash into our rivers and streams. You can protect our water by eliminating these products or using compost and slow-release fertilizer.
- Motor oil, solvents, and soaps wash into our rivers and streams. You can protect our water by keeping car-care chemicals out of storm drains, diverting wash water onto your landscaping, and going to a car wash.

In-person Events

OLWS was a sponsor for the 2024 Oak Grove Festival, where we talked with customers about a variety of topics, including stormwater and not dumping into storm drains. We directly connected with two customers after the event who had further questions about storm drain management.

Below are examples of OLWS social media posts to discourage the use of lawn chemicals and connect the community to their waterways.



Please see the BMPs for Public Education listed in Appendix A for full detail on OLWS's progress toward public education and outreach efforts.

5. Adaptive Management Process (A.2.f)

Over time, OLWS continues to evaluate the overall health of local watersheds using the information collected through the monitoring program. Monitoring data and information provides a valuable 'snapshot' of water quality in OLWS and provides program management the opportunity to determine where to focus limited financial resources for program implementation. OLWS continues targeting water quality issues that are trending toward exceeding state water quality standards; adjustments can be made to focus the messaging to the community about different water quality problems being observed. The anticipated outcome would be a reversal of negatively trending water quality factors because of actions taken by OLWS. Examples of actions might include stepped up inspection and enforcement in areas with documented water quality issues, targeted public outreach to smaller neighborhood or watershed groups that are the source of the problem, and targeted monitoring activities to try to minimize the area where the source of the water quality problems are coming from.

In 2023-2024, OLWS reviewed and updated its Illicit Discharge Detection and Elimination (IDDE) Standard Operating Procedure (SOP), including the inspection and tracking procedures, enforcement response guide, and Dry Weather Field Screening. The final IDDE SOP is available online in the OLWS MS4 Permit document library. Second, OLWS completed an audit of its Code language and procedures concerning erosion control inspection, reporting, and enforcement processes and found no changes were needed. Current erosion control practices were found to be in compliance and are available upon request. Finally, OLWS updated our Industrial / Commercial SOP with a focus on screening and reporting. This document was shared with the public for a 30-day period and the final Industrial / Commercial SOP is available in the online OLWS MS4 Permit document library.

6. Proposed Changes to SWMP (A.2.f)

OLWS amended the SWMP during the 2023-2024 permit year as a result of the updated permit conditions required by DEQ. OLWS updated the 2023 SWMP during FY2024 to document the references to updated IDDE SOP, Erosion Control Practices and Procedures, and Industrial / Commercial SOP. In the 2023-23 reporting year, changes to the OLWS Design and Construction Standards will trigger proposed changes to the tracking measures for construction and post-construction reporting. The revised SWMP is posted on the MS4 Permit Library on the Watershed Protection Pages of the OLWS website.

7. Summary of SWM Program Expenditures (B.3.g)

All revenue generated by the Watershed Protection Fee is retained within the surface water management program. During the 2024 Fiscal Year, one Equivalent Service Unit (ESU) was \$10.62 per month for residential households. For commercial and industrial users their ESU equivalent is calculated by dividing their total impervious surface by the residential ESU, or by 2,500 SF.

For the 2024 Fiscal Year, OLWS's expenditures for the surface water program totaled \$1,655,567, with \$1,655,567 being devoted to operational expenditures and \$0 being spent from the Surface Water Management Capital Improvement fund. In between capital investment projects, OLWS saves surface water fees to build up resources for investing in upcoming capital surface water projects.

8. Approved Modifications to Monitoring Plan (B.5.c)

OLWS monitors stormwater and receiving waters of the state using the currently approved monitoring plan. Clackamas co-permittees including OLWS participate in the Clackamas County Coordinated Stormwater Monitoring Program (CCCSMP). The CCCSMP Plan was updated and resubmitted to DEQ on May 30, 2023, following the completion and outcome of the Clackamas NPDES MS4 Permit Modification (initiated in August 2022). The CCCSMP reflects updated pesticide monitoring frequencies and was approved by DEQ on June 7, 2023, for implementation beginning in July 2023.

9. Summary of SWM Program Water Quality Monitoring (B.5.d-e)

Surface water sampling occurred four times annually as is required in the NPDES permit. The sites sampled included instream samples from each site, and two outfalls. In reviewing the water quality data, water quality elements for sediment and bacteria tend to be elevated, with periodic exceedances of the state standard for e. Coli. Other testing elements appear to be within DEQ range, and for this reporting year program monitoring occurred per the procedures outlined in the approved monitoring plan.

Required Mercury monitoring for the Clackamas MS4 Permit is being handled by Clackamas Water Environment Services (WES) and the first full year of sampling results will be submitted by the WES team as approved by the Oregon Department of Environmental Quality.

Required Pesticide monitoring is included in this year's water quality monitoring data.

Sample results are provided in Appendix B.

10. SWMP Inspection and Enforcement (A.3.c)

OLWS routinely inspects the various elements of the Surface Water system within OLWS. A summary of the inspections, enforcements, and ongoing activities related to illicit discharges can be found in Appendix A.

11. <u>Development Activities (A.3.e)</u>

Land within the Oak Lodge Water Services is largely built out, with very little undeveloped land available for new development and redevelopment activities are more common. Appendix A summarizes the number and type of development activities that OLWS reviewed. Currently, there are no proposals for land annexations, and OLWS does not implement any part of the Urban Growth Boundary.

12. OLWS Boundary Expansion and Authority (B.5.j)

When Oak Lodge Sanitary District consolidated with Oak Lodge Water District to form Oak Lodge Water Services, its boundary grew by approximately 25%; this newly acquired area was already within Clackamas County Service District #1 (CCSD#1). To clarify whose authority would preside in this area, Oak Lodge Water Services District worked with CCSD#1 to create a Memorandum of Understanding (MOU) that allowed CCSD#1 to continue its service in this area since this area naturally drained to watersheds CCSD#1 was already managing. This MOU was later adopted via OLWS Resolution 2017-5. In addition, in 2023 Oak Lodge Water Services became an Authority. This protects the jurisdiction's assets, services and boundaries in perpetuity.

13. Public Notice of 2023-2024 Annual Report

OLWS solicited public comment on this annual report in the following manner:

- Public Notice and Solicitation of Comments on the OLWS website: 2nd week, October 2024;
- North Clackamas Watersheds Council: OLWS's monthly report mentions availability of the report on the website for public review and comment: 3rd week, November 2024;
- The final 2023-2024 Annual Report was posted on OLWS website after submission to DEQ;
- Notice of the Annual Report Posting was sent to OLWS's Interested Parties list.

- 14. <u>Appendix A</u> BMP Table on the following pages.
- **15.** <u>Appendix B</u> Water Quality Monitoring Data Sampling Summary. Data submission to DEQ occurred using the required online format.
- 16. <u>Appendix C</u> Updated Post-Construction Standards for Stormwater Design and Construction: in fulfillment of requirements for MS4 Schedule A.3.e <u>2024-10-10 OLWS DesignAndConstructionStandards.pdf</u> (oaklodgewaterservices.org).

Best Management Practice Name	MS4 Permit Schedule A Requireme	•	Tracking Measure	
	nt			

Illicit Discharge Detection and Elimination Implement the Illicit Discharges Elimination Program	A.3.c	 BMP Description: OLWS has the authority to conduct appropriate response procedures and enforce against responsible parties per the OLWS's <i>Rules and Regulations</i>, Section 11 and as described in the OLWS's Spill and Illicit Discharge Enforcement Response Plan (Enforcement Response Plan). The OLWS partners with Clackamas County for code enforcement procedures, as outlined in Section 11.5 of the <i>Rules and Regulations</i>, which outline the enforcement as applicable to the violation class. The violation classes (I, II, and III) are detailed in Section 11.4 of the <i>Rules and Regulations</i>. The Spill and Illicit Discharge Enforcement Response Plan, including procedures and timeframes, are also documented in Appendix C of the OLWS's <i>Illicit Discharge Detection and Elimination Standard Operating Procedure</i> (SOP). In accordance with the SOP, all citizen complaints and staff observations regarding a possible illicit connection will be investigated. OLWS will continue to implement a public education and outreach program to explain illicit connections, effects on surface water, and process for correction. 	 Measurable Goals: 1) Status of updating the SOP and Enforcement Response Plan for consistency with current practice. 2) Track the number, location, resolution, and enforcement activities related to any identified illicit discharge. 	2.
Illicit Discharge Detection and Elimination Conduct Annual Dry Weather Field Screening	A.3.c	BMP Description: OLWS conducts illicit discharge inspections, monitoring, and investigations annually during dry-weather conditions (typically between August and October) in accordance with the OLWS IDDE SOP. OLWS has identified five (5) high priority inspection locations within its service area. The IDDE SOP lists and maps those high priority inspection locations by drainage basin and contributing land use type. The OLWS maintains a map of dry weather field screening locations: GIS System and Asset Management Database for more information. OLWS does not currently have chronic illicit discharge locations, but locations may be added if identified.	 Measurable Goals: 1) Track annual dry weather field screening activities at the high priority inspection locations. 2) Summarize inspection results and indicate locations requiring sampling and/or investigations. 3) Update dry weather screening prioritization criteria and adjusted locations, as applicable. 	

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Illicit discharges are managed through OLWS's documented Illicit Discharge Program. OLWS maintains an SOP (Standard Operation Procedure) for staff to perform enforcement actions with illicit discharges. The current SOP was updated and submitted to DEQ December 1, 2023 with the 2022-23 Annual Report.

Illicit Discharge identification is outlined under dry weather field screening activities and spill response activities below.

All five Dry Weather Outfalls were inspected during the dry season quarter of the 2023-2024 Permit year.

No illicit discharges were noted from the outfall inspections.

Updates to the IDDE SOP in 2023 included the following information:

- Locations were reviewed and adjusted as needed in conjunction with the S.O.P.
- Field Screening and analysis procedures include photographs of CBs / outfalls each year;
- Pollutant parameter action levels as described • in screening;
- Lab Analysis would occur through contracted lab relationship under the SWM monitoring program.

Best Management Practice Name	MS4 Permit Schedule A Requireme nt	Tracking Measure
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Illicit Discharge Detection and Elimination Implement the Spill Response Program	A.3.c	BMP Description: OLWS's Spill Response Program prevents, contains, and responds to spills of dangerous, hazardous and other materials. OLWS's Spill Response Program ensures that the actual or possible release of dangerous/hazardous materials to the MS4 is properly addressed. Except for minor incidents, OLWS's Spill Response Program personnel always coordinate closely with other agencies and departments, including Clackamas County Fire District No. 1 (and for certain incidents involving hazardous materials, the Gresham HazMat Team), DEQ, Oregon State Police, the Clackamas County Department of Transportation and Development (CCDTD), and the Oregon Department of Transportation (ODOT).	 Implement the spill response program and associated protocols. Coordinate with the Clackamas County Fire OLWS No. 1, Clackamas County DTD, and DEQ as necessary to respond to spills. Equip select Operations vehicles with spill response equipment and the Spill and Illicit Discharge Response Form. Measurable Goals: Number of reported spills to the MS4 system. Source and type of response to the reported spills. Report the number of spills and spill responses logged in Lucity 	1. 2. Rec actio requ
Industrial and Commercial Screen Existing and New Industrial Facilities	A.3.g	 BMP Description: Industrial facility screening activities are outlined in the OLWS' Industrial/Commercial Stormwater Inspection Program Standard Operating Procedure (SOP). Annually, in conjunction with BMP IND-2: Address High Pollutant Source Facilities, OLWS will review their existing database of commercial accounts within the district boundaries, to determine whether existing facilities may be subject to an industrial stormwater NPDES permit. If a facility is identified during the permit process or in conjunction with review of the commercial accounts database that would be subject to an industrial stormwater NPDES permit, the facility and DEQ will be notified within 30 days. OLWS maintains a GIS layer of all facilities subject to the 1200-Z permit and will update as new facilities are identified. 	 Measurable Goals: Track the number of existing or new industrial facilities subject to a stormwater industrial NPDES permit during the permit term. Review new industrial development applications once during the permit term to identify additional facilities needing to obtain 1200-Z permits. If facilities are identified, notify DEQ in 30-days. 	1.

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During the 2023-2024 reporting period OLWS received and investigated 3 storm water complaints of potential spills or illicit discharges. OLWS found that 3 of the reported complaints required an action response). IDDE complaint tracking numbers and response descriptions are saved in our content management system, Lucity. Records include description and follow-up response actions taken to each incident. Records available on request.:

- 2024-05-22: WM TRUCK REPORT
- 2023-24-25: 17206 SE RIVER RD
- 2023-24-24: 15008 SE KRONBERG AVE

ecords include description and follow-up response ctions taken to each incident. Records available on quest.

OLWS currently has 2 1200Z permit holders within its boundaries. No new Industrial user accounts opened in 2023-2024.

OLWS continually reviews all new industrial facilities and business licenses through its development review process and as implemented in the Commercial Industrial S.O.P.

Best Management Practice Name	MS4 Permit Schedule A Requireme nt	BMP Description	Tracking Measure	
Industrial and	A.3.g	BMP Description: Industrial facility screening activities are outlined in the OLWS'	Maintain the inventory of high pollutant source	1.
Commercial Address High Pollutant Source Facilities		Industrial/Commercial Stormwater Inspection Program Standard Operating Procedure (SOP). OLWS maintains a list of industrial and commercial facilities with the potential to discharge a substantial pollutant load to the MS4. Identification of a high priority facility is based on citizen complaints, results of past inspections, the <i>Industrial</i> <i>Users Survey</i> , and other sources. The list is updated annually and maintained by the OLWS' Pollution Prevention Specialist. Annually at a minimum, inspections (windshield or onsite) will be conducted. Inspections of identified high priority facilities will occur only for facilities with discharges to the municipal storm sewer system. Facilities with a discharge through a private system directly to a surface water body will be the responsibility of Oregon DEQ. Inspection forms will be filled out, documenting the results of each inspection. As needed, technical support will be provided to property owners to improve water quality.	 Indintain the inventory of high pointaint source facilities continuously over the permit term. Inspect identified facilities as needed using visual or analytical methods. When inspections indicate excess levels of pollutants of concern, notify and work with industries to increase pollution controls, and provide technical assistance to property owners. Updates to the Industrial/Commercial Facility SOP were completed with facility prioritization, inspection and documentation procedures, and compliance with other ordinances by December 1, 2023. Measurable Goals: Track updates to the inventory of high pollutant source facilities. Track the number of inspections performed annually and any enforcement or technical assistance provided. 	2.
Construction Site Runoff Control Erosion Control Ordinances	A.3.d	 BMP Description: OLWS administers erosion prevention and sediment control requirements in accordance the OLWS' <i>Rules and Regulations</i>, Section 10.15 and the OLWS's <i>Design and Construction Standards</i>, Section 2.1004. These sections detail the policies, procedures, and enforcement mechanisms related to the OLWS' issuance of Erosion Control/Surface Water Management Permits. Construction activities that affect 500 SF or more or 250 SF or more within the undisturbed buffer, sensitive areas, or riparian areas must obtain an Erosion Control/Surface Water Management Permit. The combined documents address regulatory and review requirements related to erosion control, tree removal, undisturbed buffers, and flow control and treatment requirements. These regulations require submittal of an erosion prevention and 	 Measurable Goals: 1) Report any updates or modifications to the OLWS's Rules and Regulations and the OLWS's Design and Construction Standards for consistency with permit requirements and current practices. 2) Record the number of OLWS Erosion Control/ Surface Water Management Permits issued annually. 3) Develop an option for simplified ESCP and/or prescriptive BMPs for small or low-risk construction sites to aid in erosion control plan 	1. 2. 3. 4.

Appendix A – BMP Table: Oak Lodge Water Services 2023-2024 MS4 Annual Report

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Four commercial or industrial sites were identified as potential contributors of a substantial load of pollutants to the MS4 during 2023-2024. These facilities are consistent with those identified last year.

- 16600 SE Kens Ct. (Blue Sky Filters)
- 3901 SE Naef Rd. (NW Flex Space)
- 3810 SE Naef Rd. (Stanley Tools)
- 3701 SE Naef Rd. (Buffalo Welding)

No enforcement actions or IDDE reports were made related to these properties. Windshield surveys, pretreatment monitoring, and routine monitoring reflected no excessive levels of pollutants.

Of the above list of OLWS commercial and industrial accounts, that are tracked, only Blue Sky Filters performs is currently required to perform routine stormwater monitoring on site. There were no excessive levels of concern found in the monitoring results. Annual review and inspection of Pretreatment monitoring or routine monitoring reflected no excessive levels of pollutants from the other sites revealed no triggers of concern.

OLWS adopted revised Design and Construction standards on October 10, 2024, by Board approval. This document contains OLWS's updated EC regulations which meet the current permit requirements.

- Number of erosion control permits issued: 31
- Available on the OLWS website, OLWS developed a simplified ESCP narrative checklist with prescriptive BMPs for small or low-risk construction sites to aid in ESC planning.

The OLWS website contains the updates that have been made to the current drainage/ESC plan

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		 sediment control plan containing methods and/or interim facilities to be constructed or used concurrently with land development. During the plan review process, new and redevelopment will be assessed for compliance with the OLWS' erosion control standards and provisions outlined in the Code and Clackamas County Erosion Prevention and Sediment Control Planning and Design Manual using an internal review checklist. The OLWS' written approval of erosion control plans and specifications is required prior to erosion control facility construction and installation. DEQ's 1200-C permit requirements also are in effect and OLWS tracks 1200-C permits issued and implement inspections and enforcement consistent with the local permit. 	 development by December 1, 2024, in conjunction with updates to OLWS Design and Construction Standards. 4) Update the current drainage/ESC plan internal review checklist by June 1, 2023 to detail plan review activities in accordance with 1200-CN permit requirements and receipt of a 1200-C permit, if applicable. 	
Public Education and Outreach Public Education to Reduce Discharges of Pollutants in Stormwater	A.3.b	 OLWS continues to implement the OLWS' Outreach, Education, and Public Involvement Framework to document their public education strategy aimed at reducing the discharge of pollutants associated with a variety of materials, events, outreach activities, and education programs, including but not limited to: The application of pesticides, herbicides and fertilizers by citizens. Illicit discharges and public reporting to notify OLWS of unallowable waste materials in the storm drainage system. The OLWS website allows citizens to report incidents directly via a 24-hour emergency hotline or email. Available OLWS programs for residents to improve water quality. Proper disposal of waste oil and household hazardous waste. 	 Measurable Goals: 1) Track the number, types and topics of outreach events, programs, social media and materials. 2) Continue to maintain relevant public education materials dispensed to the public annually. 	The

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internal review checklist to detail plan review activities in accordance with 1200-CN permit requirements and receipt of a 1200-C permit.

ne following outreach efforts occurred last year:

ustomer outreach: Six newsletters to all customers ere distributed that included surface water education pics, including water quality and watershed health.

udent Outreach:

The Aves Compartidas program provides Spanish immersion and dual language classroom lessons on ecology, restoration and land use, and offers field experiences where students engage in habitat enhancement projects. Programming supports the teachers and students at three dual language elementary schools: Candy Lane Elementary (4 classrooms), Riverside Elementary (3 classrooms), and Milwaukie El Puente Elementary (9 classrooms). This year, ECO delivered the Aves program at Candy Lane Elementary and Riverside Elementary schools. In total, the Aves program reached approximately 130 students across 5 different classrooms. ECO delivered 20 indoor lessons, 10 outdoor lessons, and 5 walking field trips, totaling 1,080 contact hours of engagement. At Riverside, the program integrated into dual language classrooms for 3rd-5th grades, focusing on migratory birds like the rufous hummingbird, yellow warbler, and great blue heron, which are

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indicator species for water quality. Candy Lane's fourth graders focused on the yellow warbler and presented their projects at the year's end.

This Winter the Environmental Learning Center (ELC) at Clackamas Community College presented Livestream episodes to K-5 students. Each of ten episodes focused on wetland ecology, wildlife, and watershed health. Student activity sheets were developed to engage students in the content; each program has an accompanying sheet. Programs aligned with NGSS. Teachers were provided recordings of the sessions in addition to links for joining the live events. This enabled them view at a time that was convenient for them. Two episodes were delivered each week, one for grades K-3 (Wetland Wildlife) and the other for grades 4-5 (Wildlife in the Watershed). 52 students were reached each episode, for a total of 520-episode impressions. The ELC also offered three field trips that allowed 1st-5th grade students to discover and explore wetland and forest ecosystems. In total, 268 North Clackamas School District and 32 Oregon City School District students were reached via field trips.

This year's ECO general programming engaged approximately 400 students across Oak Grove Elementary, View Acres Elementary, Candy Lane Elementary, Riverside Elementary, New Urban High, and Rex Putnam High, totaling 2,100 contact hours. ECO educators delivered 44 indoor lessons, 20 outdoor lessons, and 25 walking field trips. At Oak Grove Elementary, View Acres Elementary, New Urban High, and Rex Putnam High, ECO reached about 270 students. These students learned a broad range of ecology topics and participated in activities like planting native plants and visiting local parks. Feedback from students showed that 79% believed kids can change the environment's health, and 94% liked nature. One student said, "I like ECO because it is important to teach kids about

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our planet," while a teacher appreciated the program's hands-on activities and multiple lesson structures.

dult outreach:

OLWS partners with the Backyard Habitat Certification Program (BHCP) to support urban gardeners in their efforts to create natural backyard habitats. This includes working with homeowners to find stormwater solutions in their yards to mimic nature by allowing runoff to soak into the ground, helping to filter out pollutants and decrease or eliminate runoff on their property. This year, in the OLWS Service Area, BHCP visited 28 properties and 5 were certified.

OLWS partners with the North Clackamas Watersheds Council to offer the <u>Streamside</u> Stewards Program (SSP), which works to enhance and maintain watershed health by supporting landowners along OLWS streams. Along with annual maintenance in priority habitat areas, the SSP hosts seasonal workshops on topical streamside restoration activities, and online watershed education classes focusing on wildlife, stream health, and community engagement opportunities. OLWS has partnered with EcoBiz since 2020 to provide targeted outreach and education to automotive businesses with the goal of reducing the potential loading of pollutants into the storm/sewer systems. Over the course of the fiscal year, EcoBiz reached out to 49 businesses in the Oak Lodge community. EcoBiz also performed targeted outreach to auto dealerships along McLoughlin Boulevard to enlist them in piloting the Washwater BMP video. 19 businesses were reached via email, phone calls, and in person. 5 businesses agreed to have their staff watch the

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video, take a corresponding quiz, and report back to us with any suggestions.

ents: OLWS participated in several events that ntained water quality education for students and ults. These included the following:

- This year's in person Clean Water Festival welcomed 755 4th-grade students from 16 schools. The event included classroom presentations, exhibitions from 31 organizations, and a stage show. Oak Lodge was an exhibitor and had a live stormwater demonstration.
- The North Clackamas Watersheds Council (NCWC) partnership continues to provide public outreach benefits to people living in our service area. OLWS partnered with NCWC to once again hold in-person workshops about the importance of human actions and their impact on watershed health.
- OLWS partnered with the Clackamas Community CollegeCollege's Environmental Learning Center to offer a six-part online gardening workshop series. The goal was to provide homeowners with information on how to adapt their gardening practices to benefit and attract wildlife while promoting watershed health. In total, 764 people attended one or more programs.
- Outreach groups: Participated in local outreach groups and public involvement campaigns, including: the Clean Rivers Coalition's Follow the *Water* statewide campaign, Clackamas County Water Education Team (CCWET), and the Regional Coalition for Clean Rivers and Streams River Starts Here regional campaign. We have final reports for each program available upon request.
- The What's Your Lawn Style project was also developed by the Clean Rivers Coalition. This project focused on delivering integrated pest

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Public Education and Outreach Public Education to Reduce Discharges of Pollutants in Stormwater	A.3.f	BMP Description: Privately owned SWM facilities require periodic inspection and maintenance to keep them working correctly. This effort focuses on outreach and education to those private landowners who own these types of facilities.	 Measurable Goals: 1) Number and Type of Education and Outreach efforts provided to private landowners with stormwater management facilities. 2) Track coordinated public outreach activities with local co-permittees. 3) Record the number of catch basins stenciled each year. 	1. 2. 3.
Public Education and Outreach	A.3.a	BMP Description: Provide notice to construction site operators concerning where education and training to meet erosion prevention and sediment control requirements can be obtained.	 Measurable Goals: 1) Track methods and tools to notify construction site operators of erosion control requirements and training opportunities. 	1.

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management techniques for lawn care to reduce nonpoint source runoff of pesticides and quick release fertilizers by single family residents. The education and materials from this campaign were sent to OLWS customers through our bi-monthly newsletter, website, and social media.

rtual outreach:

Presented and contributed to creating virtual content and social media outreach relevant to water quality education information for OLWS customers, property owners, tenants, educators, and students. This included creation of paid media with KPTV (FOX 12). Messages highlighted car washing tips to help keep soap and other pollutants out of our streams, and stormwater smart yard and garden maintenance.

155 Outreach letters were sent to owners engaging them in awareness, cleaning, maintenance, and functionality of their catchment systems. Provided supplemental information to owners when owners reached out requesting additional information. Participation in the Stormdrain Cleaning Assistance Program (SCAP) with postcards sent to 254 commercial owners with private storm drains on their property/business. OLWS utilized a QR code and text to sign up as well as an online electronic signup option through the OLWS website to make the process easier for business owners. There were 43 catch basins stenciled in partnership with Rose Villa Senior Living.

Oak Lodge has four CESCL certified erosion control staff members and provides construction site operators with notice and training opportunities on an ad hoc basis during initial inspections at the start of new erosion control permits.

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Erosion Control Training Opportunities			 Maintain a link to the Clackamas County Erosion Prevention and Sediment Control Planning and Design Manual on the OLWS's website. Develop a check list (or equivalent) guidance for developers and engineers requesting building permits, site development permits, or construction inspection services to aid in erosion control plan development by December 1, 2024, in conjunction with updates to OLWS Design and Construction Standards. 	2.
Public Education and Outreach Employee Training	A.3.a	BMP Description: A variety of training is provided to staff associated with surface water management. Training and advisory committee opportunities are made available through local agencies and groups involved with a broad range of water quality issues including stormwater (e.g., Oregon Association of Clean Water Agencies conferences). Such training is provided based on need and availability.	 Measurable Goals: 1) Track the number of employees receiving training by activity annually. 2) Estimate the equivalent annual training hours provided internally and externally. 	Spe 1. 2.
Public Education and Outreach Facilitate Public Reporting of Illicit Discharges	A.3.c	BMP Description: OLWS implements a program to promote, publicize, and facilitate public reporting of the presence of illicit discharges and other types of improper disposal of materials into the MS4. After District staff have received a report which relates to one of these discharges, they investigate and, if appropriate, apply control measures.	 Measurable Goals: Number illicit discharges reported. Number of illicit discharges requiring action. Number of educational events educating public about illicit discharges and procedures to report. Number of publications educating public about illicit discharges and procedures to report. Create a page for public complaints on the OLWS' website and track number of complaints for reporting. 	1. 2. 3. 4. •

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A link to the Clackamas County Erosion Prevention and Sediment Control Planning and Design Manual is maintained on the OLWS website's Permits page. Currently, OLWS Development Services Staff is in the process of updating guidance for permit applicants to aid in erosion control plan development.

ecific Staff Trainings included:

- OLWS Water Quality Coordinator attended Oregon ACWA's Annual Stormwater Summit (8 hours). OLWS conducted an all-staff training for new and seasoned relevant staff and provided a comprehensive electronic training course on the MS4 Stormwater Permit with a focus on sediment control and good housekeeping practices (13 staff for 1 hour each).
- Potential illicit discharges reported: 3
- Actions taken: 3 (see IDDE above for details).
- Educational Events: 2 IDDE outreach/education during public meetings with customers.
- **Educational Publications:**
- Dump Smart Campaign Painting, Carpet Cleaning and Pressure Washing (Posted on OLWS website) Where to Properly Dispose of unwanted or expired medications (Posted on website)
- EPA/NOAA Keep Salmon off Drugs (Poster) Clackamas River Water Providers – Keep Pesticides and Herbicides Out of the River (Pictorial Poster)

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Public Involvement and Participation Healthy Watershed Committee	A.3.b	 BMP Description: Schedule A.4.e of the District's MS4 NPDES permit requires OLWS to provide opportunity for public participation in the development, implementation, and modification of the Storm Water Management Plan (SWMP). Prior to submittal of various milestone reports, OLWS will provide the public with an opportunity to comment for a period of 2 weeks prior to submittal dates. Comments on the documents will be collected and considered. Additionally, OLWS has many opportunities for members of the community to participate in various sub committees that provide oversight and guidance to OLWS management related to MS4 implementation. Opportunities include intermittent participation in the Healthy Watersheds Committee, to which local community members are invited to participate in review of OLWS stormwater capital projects. 	 Measurable Goals: 1) Keep a count of the number of comments/ questions received from the public on documents distributed for 30-d review. 2) Conduct an annual review of the website and document revised content and links as needed. 3) Report on Healthy Watersheds Committee activities annually. 	1. 2. 3.
Construction and Post- Construction Site Runoff Control Erosion Control Inspections	A.3.d	 BMP Description: OLWS conducts a minimum of three (3) inspections during construction activities at all sites requiring an OLWS Erosion Control/Surface Water Management Permit. Inspections are conducted to ensure proper implementation of erosion control measures. An initial site inspection is conducted to assess the location of erosion control facility installations and the potential for offsite discharge of soil and debris. A final inspection is performed, and the Permit closed when the excavation and grading is finished at the site and the soil has been stabilized to a point where erosion potential is negligible. A minimum of one (1), interim inspection is conducted during a period of high construction activity, ideally after a storm event, or a 	 Measurable Goals: 1) Record the number of erosion control inspections conducted annually in accordance with Accela. 2) Report the number of construction sites where enforcement provisions per OLWS's Rules and Regulations were issued annually. 3) Document status of updated ESC enforcement procedures and developed guidelines or checklists, as required. Track annual number of approved ESC plan, inspections, and complaints. Summarized metrics to be provided to DEQ upon request. 	1. 2. 3.

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- Regional Coalition for Clean Rivers and Streams River Starts Here Campaign (Web and paid media outreach)
- Clean Rivers Coalition statewide social media campaign to raise awareness about pesticide reduction
- Public submits complaints through the information email on the OLWS website or calls staff directly. Complaints are coded in Lucity, the OLWS' Computerized Maintenance Management System.
- SWM 2023-2024 Annual Report Public Notice: posted to the website on November 1, 2024, shared with OLWS Board Members on November 12, 2024, and at the North Clackamas Watersheds Council board meeting on November 20, 2024. No comments were received. In addition, the website contains MS4 Permit and supporting material, with ongoing opportunities for public to comment. The OLWS website was reviewed and updated as needed to reflect current permit documents. The Healthy Watersheds Committee did not meet in FY24 because of limited need and staffing changes.
- Number of erosion control inspections completed: 247
- Number of enforcements (violations that needed enforcement action): 0
- There were no updates to the approved ESC enforcement SOP.

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		 maximum of three weeks from the previous inspection to ensure erosion control measures and facilities are being appropriately used and maintained. OLWS staff fills out an initial inspection form through Accela during the initial site inspection and populates an electronic erosion control log with information including project contact information, project size, dates of approved erosion control plan, inspections, complaints, and deficiencies as identified during additional erosion control inspections. Accela is accessible by DEQ and is a database that maintains all inspection records, including OLWS inspections of 1200-C sites. 	 Inspect all sites requiring an Erosion Control/Surface Water Management Permit a minimum of three (3) times during construction activities. Issue Notice of Non-Compliance and/or stop work orders and, as applicable, notify DEQ when ineffective erosion control is observed on 1200-C sites. Develop additional tools to aid in effective implementation of an erosion and sediment control program (i.e., updated construction site inspection checklist, updated Accela forms) by December 1, 2024, in conjunction with updates to OLWS Design and Construction Standards and report/ post updates as required. 	
Pollution Prevention for Municipal Operations Street Sweeping and maintenance for Public Streets	A.3.f	 BMP Description: Street sweeping is conducted approximately twice per year by Clackamas County, in accordance with conditions and processes identified in the MOU. The County increases this frequency during heavy leaf shedding season, after major construction, after winter deicing activities, and at other times when circumstances dictate the need to minimize the discharge of stormwater pollutants to the MS4. Road maintenance and repair work including roadside ditch maintenance is performed by the County and generally scheduled and conducted during the dry season, when possible, to minimize polluted discharges from entering the stormwater conveyance system. Roadside ditch inspections are conducted in conjunction with sweeping activities and per conditions and processes in the MOU. Any required grading activities will meet requirements as stated in the erosion control regulations. Through the MOU, Clackamas County is responsible for documentation of sweeping and ditch maintenance activities to fulfill the OLWS's annual reporting obligations. 	 Measurable Goals: 1) Number of miles that were swept within OLWS per year 2) Mass or volume of debris removed during sweeping 3) Length of ditches maintained annually 4) Record updates to the MOU For CCDTD roads, see tracking measures in the CCDTD NPDES MS4 SWMP. Maintain existing MOU with Clackamas County DTD to conduct sweeping and maintenance activities. Meet with Clackamas County to review/refine conditions of the MOU related to street sweeping and zone designations by December 1, 2024. Schedule and conduct routine road repair and maintenance as needed, during the dry-weather conditions if possible. 	1. 2. 3. 4.
Pollution Prevention for Municipal Operations	A.3.f	BMP Description: Operations and maintenance of public streets within the DTD service area (which includes OLWS) is the responsibility of CCDTD. This includes Winter maintenance activities for roadway operations, litter control, and materials disposal. For information on their activities, refer to the CCDTD MS4 NPDES SWMP.	 Measurable Goals: 1) CCDTD Roads: See CCDTD's NPDES MS4 SWMP. 2) Remove illegal solid waste dumps as they are discovered. 	

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L. Street Sweeping within OLWS Boundary (MOU with CCDTD): 545 Curb/ Shoulder Miles. OLWS also contracts with the City of Milwaukie to have its impervious surfaces for facilities swept once a month.

. N/A Cubic Yards debris removed – CCDTD no longer tracks CY debris removed; OLWS SWMP in process of being updated to reflect this change. B. Ditch Cleaning by CCDTD: 500 ft •. No updates to the MOU have been initiated this

reporting year.

1-5. Refer to CCDTD's MS4 Annual Report for reference to Winter maintenance events, quantities and locations of material used.

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Winter Weather Management			 Track the number of winter weather events, quantities and locations of material used on County roads within OLWS. Implement the CCDTD winter maintenance strategy as documented. Update the MOU to incorporate winter maintenance activities and tracking needs within the district. 	
Post- Construction Site Runoff Controls	A.3.e	 BMP Description: OLWS reviews new and redevelopment for compliance with OLWS's <i>Rules and Regulations</i>, Section 10.20 and the OLWS's <i>Design and Construction Standards (D&C)</i>, Section 2. Code and standards detail the policies and requirements related to conveyance, stormwater quantity control, infiltration, and water quality control. Development activities that affect 1,000 SF or more of new and redeveloped impervious surface must implement post-construction stormwater management. Recorded operations and maintenance agreements are required for onsite facilities and are submitted before permit issuance. Acceptable water quality facilities are listed in Code and promote low impact development and green infrastructure, including vegetative infiltration facilities. OLWS uses Accela and an internal review checklist for design submittals in accordance with requirements outlined in the D&C to review development applications. The required submittal includes completed inspection form, narrative, stormwater drainage report, infiltration/ geotechnical testing, and facility design calculations and details. Plan reviewers use the checklist to document the technical feasibility and site constraints related to onsite management of stormwater runoff as well as downstream analysis needs/ requirements and respective treatment and flow control facility sizing. OLWS will conduct a review of their <i>D&C</i> to document OLWS' existing strategy to prioritize LID and GI strategies for stormwater management as well as adherence to the NSSR or alternative compliance standard. Modifications to the D&C will be made to improve upon OLWS' existing strategy and comply with requirements of the NPDES MS4 permit. Post-construction stormwater management specific training is outlined in Staff Training Table. 	 Measurable Goals: 1) Track the number of development applications reviewed and approved for compliance with the stormwater regulations. 2) Track the number, type, and drainage area of stormwater facilities installed to address post-construction requirements. 3) Track updates to the D&C in accordance with the regulatory compliance dates and upload documentation in the MS4 Reference Library. 	Oak Star ado the Oak imp refle 1. 2.

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Pak Lodge Water Services' Design and Construction andards were recently updated to fulfill the current ermit's post construction requirements for stormwater tandards. These standards were approved and dopted in October 2024. As such, we are currently in ne process of implementing new tracking measures.

bak Lodge Water Services will have these measures nplemented by the end of the year and be able to eflect the following measures:

- Track the number of development applications reviewed and approved for compliance with the stormwater regulations. For this reporting year, there were 247 final inspections of permits requiring post-construction controls.
- Track the number, type, and drainage area of stormwater facilities installed to address postconstruction requirements. Estimate of total new and replaced impervious surface area related to development projects: 9.42 acres. This measure will be able to be reported comprehensively in the next annual report.
- Oak Lodge Water Services' Design and Construction Standards were recently updated to fulfill the current permit's post construction requirements for stormwater standards. These standards were approved, adopted, and posted to the MS4 Reference Library in October 2024.

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Pollution	4.3.f	BMP Description: OLWS's current Watershed Protection Program Capital	Tra	ack the implementation status of Measurable Goals:	1.
Prevention for Municipal Operations Public Involvement: Flood Management and Water Quality Projects in Partnership with Local Partners	4.3.f	 Improvement Plan (2020-2025) includes 4 CIPs worth approximately \$1.938 million. In 2015, the OLWS developed a water quality retrofit strategy, which refined CIP concepts and reprioritized projects based on potential water quality benefits. Also, in 2015, OLWS completed a hydromodification assessment, which assessed erosion and incision impacts along surface waters and evaluated strategies to address such impacts. By December 1, 2023, OLWS will review and assess implementation related to the OLWS's Retrofit Strategy and Hydromodification Assessment. The report will identify progress toward, or completion of projects identified in the Retrofit Strategy priority list, with a qualitative assessment of the benefits of those projects, as well as describe any actions taken because of the Hydromodification Assessment. New goals, tools, priorities, and planned or potential projects for addressing ongoing hydromodification and/or water quality impacts will be identified. Over the next permit term, the OLWS will update the SMP to develop a revised CIP to address water quality and quantity needs. 	1) 2) 3)	Ensure all planned stormwater CIP projects or public infrastructure CIPs include consideration of water quality.	
				 Document findings and outcomes related to the creation of the OLWS's Retrofit Strategy and Hydromodification Assessment by December 1, 2023 and maintain an inventory of completed retrofit projects and hydromodification strategies implemented during the permit term. By December 1, 2026, prepare an updated SMP. 	4.
Pollution Prevention for Municipal Operations	4.3.g	BMP Description: The OLWS maintains a memorandum of understanding (MOU) with Clackamas County, implemented through the Department of Transportation and Land Development (DTD) to conduct maintenance on the OLWS's stormwater conveyance system, specifically pipes, catch basins, and pollution control manholes in accordance with frequencies and schedules outlined in the MOU.		Track the number of catch basins, pollution control manholes, and public water quality facilities inspected and maintained annually. Track the volume of debris removed during catch	Dur con insţ SW
Public Stormwater System		OLWS inspects approximately 20% of the public stormwater pipes, catchbasins, and pollution control manholes annually, consistent with the street sweeping schedule. OLWS inspects at least 20% of public water quality facilities annually in	•	basin/ pollution control manhole maintenance. Maintain existing MOU with Clackamas County DTD to conduct inspection and maintenance of the stormwater collection system.	• • •

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- Oak Lodge Water Services continues to fund North Clackamas Watersheds Council's (NCWC) Streamside Stewards Program which enhances water quality and streamside health. OLWS refers to and supports restoration and enhancement projects from NCWC's Watershed Action Plan, to improve water quality and floodplain function. Additionally, OLWS funds the Backyard Habitat Certification Program (BHCP) in partnership with the Columbia Land Trust and the Bird Alliance of Oregon. BHCP educates and informs the public on yard maintenance options that limit the use of herbicides and pesticides on private property which can get into our streams and reduce water quality. No retrofits constructed that address water quality treatment.
- Funding provided to NCWC to restore and enhance the confluence of the River Forest Creek at the Willamette River. This project went into design in this reporting year, with construction being conducted in the following reporting year. Fish habitat enhancements were installed in the last 100 yards up to the mouth of the creek. No updates to the SMP.

ouring this reporting period, OLWS and CCDTD ontinued a coordinated approach to storm system nspection and maintenance cleaning (see updated WMP Zone Map).

- Catch basin Inspections: 429
- Catch basins and Structures Cleaned: OLWS: 139 Structures Cleaned by CCDTD: 29
- Structures Cleaned by SCAP contractor: 23

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Cleaning and Maintenance		accordance with the OLWS Vegetated Stormwater Facility Inspection Standard Operating Procedure (SOP). Facilities are inspected for accumulated sediment and debris, indication of illegal dumping and disposal in the facility, and any broken or non-functioning structures in need of repair and/or replacement. Maintenance is conducted concurrent with system inspections and includes the removal of sediment, trash, and debris and replacement of vegetation, as necessary. Established maintenance thresholds are as follows: catchbasins and pollution control manhole sumps will be vactored when the sump has eight inches or more of dirt/sediment/trash accumulation; detention pipes will be vactored out when more than 20% of the volume is taken up with accumulated sediment; material disposal for public storm system cleaning is put into a wet decant facility, located on OLWS property.	• • 3)	Inspect 20% of the public stormwater pipes, catch basins and pollution control manholes in accordance with the frequency established in the MOU. Inspect 30% of all public water quality facilities annually. Maintain public stormwater system components in accordance with established maintenance thresholds. Update the SOP for inspection of stormwater assets to incorporate inspection and maintenance enforcement for private facilities.	• • No
		Per the MOU, OLWS responds to routine service needs and routes service requests to DTD if they require emergency response.			
Pollution Prevention for Municipal Operations Private Water Quality Facility Maintenance	A.3.f	 BMP Description: OLWS currently maintains a private water quality facility inventory using GIS. The OLWS requires privately owned commercial and residential facilities to submit an approved maintenance plan for their water quality and quantity stormwater facilities. Private facility owners receive outreach information and are subject to periodic inspection to ensure proper maintenance and performance. OLWS distributes annual letters to property owners, reminding them of their maintenance obligations. OLWS will conduct annual onsite inspections at 20% of the private stormwater facilities and conduct enforcement in conjunction with OLWS' Rules and Regulations, Section 11. 	2) 3)	Track the number of letters distributed to private stormwater facility owners annually. Track the number of onsite private stormwater quality facility inspections conducted annually. Document updates, as applicable to the OLWS Vegetated Stormwater Facility Inspection S.O.P. for stormwater assets. Number of structures inspected and cleaned. Distribute maintenance reminder letters for private facility owners annually. Annually inspect 20% of private stormwater facilities to ensure maintenance has been conducted consistent with submitted maintenance plans. Continually review and update (if needed) the OLWS Rules and Regulations to provide sufficient legal authority to inspect and enforce private facility maintenance. Update the SOP for inspection of stormwater assets to incorporate inspection and maintenance enforcement for private facilities.	1. 2. 3. 4.

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- Mass of Debris Removed by OLWS: 94.76 Cubic Yards
- Mass of Debris Removed by CCDTD: 39.58 CY
- Mass of Debris Removed by SCAP: SCAP 5.58 CY. Culverts Cleaned by CCDTD: 14 culverts
- updates to OLWS SOPs.

A letter was sent to owners of single-family private facilities with OLWS SWM Facility Agreements explaining the requirement to clean and maintain facilities.

7 Ponds and 34 Private Facility assets inspections were completed in the 2023-2024 permit year. SWM Assets that required cleaning were completed.

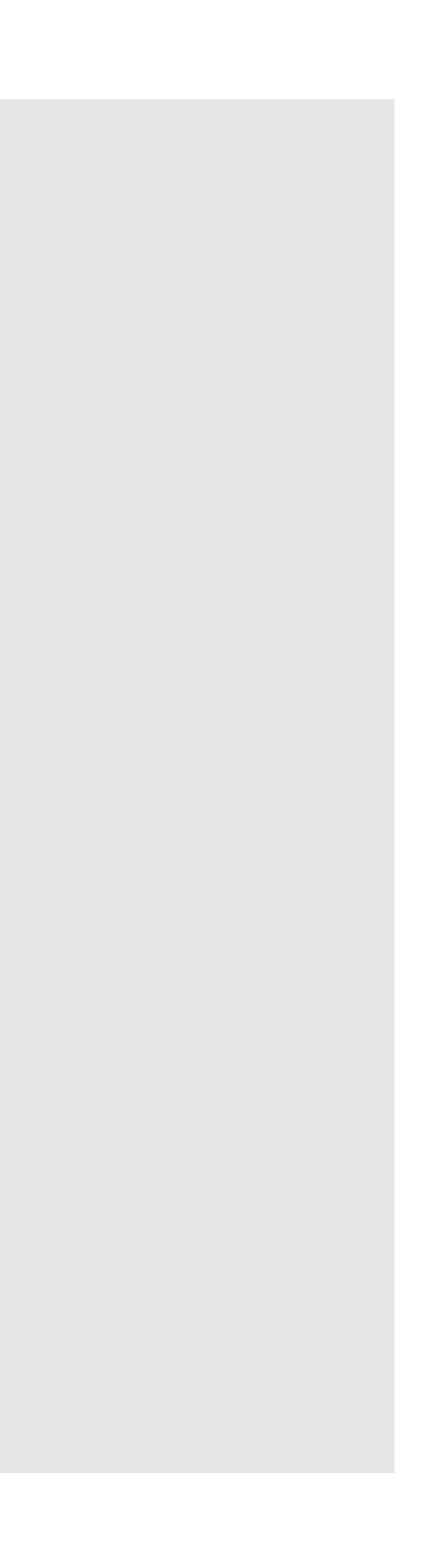
Updates were made to the OLWS Vegetated Stormwater Facility Inspection S.O.P. to prepare the way for the electronic reporting system that is in the process of being implemented.

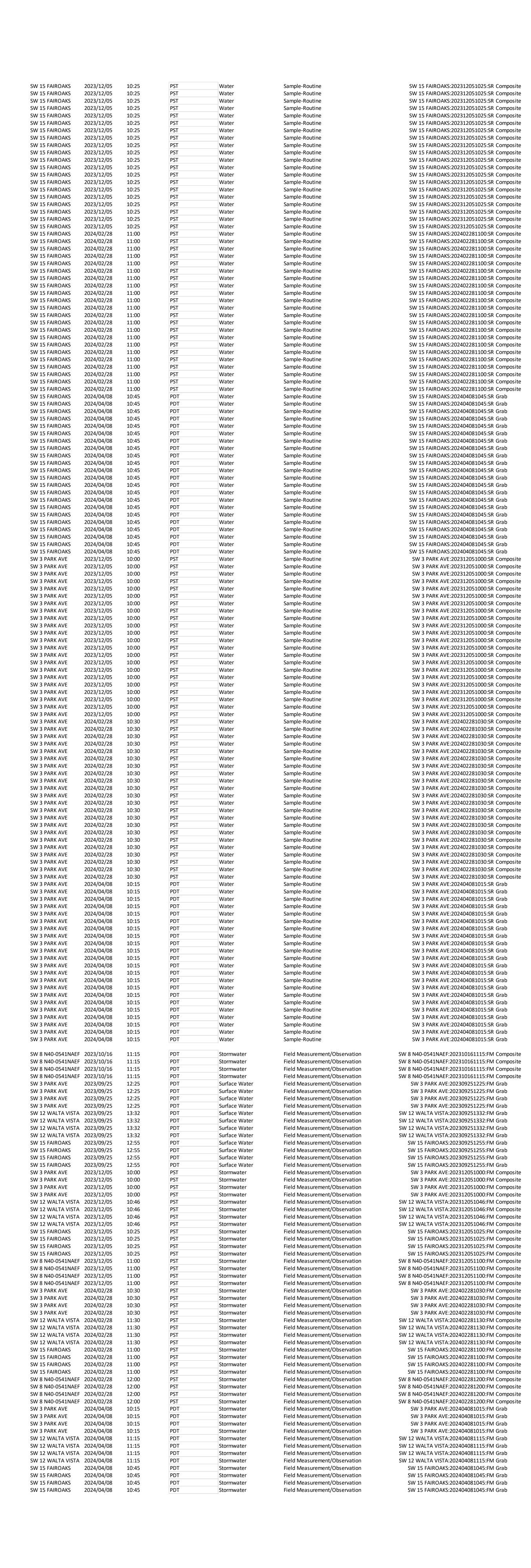
41 private stormwater quality structures were inspected, with 20% of them being cleaned or having signs of annual maintenance present.

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SW 8 N40-0541NAEF 2023/10/16 11:15	PDT Water	Sample-Routine	Activity ID (Locked) Method SW 8 N40-0541NAEF:202310161115:SR Composite SW 8 N40-0541NAEF:202310161115:SR Composite	Characteristic Name Ammonia as N, Total Biochemical Oxygen Demand, Total	NH4 0.0320	mg/L	t Qualifier	Value U NR mg/L	Imit Reporting nit 0.0200 2.04		imit Result Analytica Method ID SM 4500-NH3 G	Apex Laboratories	A3J1294-01	2023/10/18	15:35	ind Time Result Comment Activity Comment (DEQ USE ONLY)
SW 8 N40-0541NAEF2023/10/1611:15SW 8 N40-0541NAEF2023/10/1611:15SW 8 N40-0541NAEF2023/10/1611:15SW 8 N40-0541NAEF2023/10/1611:15	PDT Water PDT Water PDT Water PDT Water	Sample-Routine Sample-Routine Sample-Routine Sample-Routine	SW 8 N40-0541NAEF:202310161115:SR Composite SW 8 N40-0541NAEF:202310161115:SR Composite SW 8 N40-0541NAEF:202310161115:SR Composite SW 8 N40-0541NAEF:202310161115:SR Composite	Biochemical Oxygen Demand, Total Calcium, Total Copper, Dissolved Copper, Total	BOD5 3.30 7440-70-2 5.12 7440-50-8 0.00499 7440-50-8 0.00740	mg/L mg/L mg/L mg/L	H-12	NR mg/L NR mg/L NR mg/L NB mg/L	2.04 0.600 0.00200 0.00200	mg/L mg/L mg/L	SM 5210 B EPA 200.8 EPA 200.8 (Diss) EPA 200.8	Apex Laboratories Apex Laboratories Apex Laboratories Apex Laboratories	A3J1294-01 A3J1294-01 A3J1294-01 A3J1294-01	2023/10/23 2023/10/26 2023/10/27 2023/10/26	13:25 01:02 04:56 01:02	Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons
SW 8 N40-0541NAEF 2023/10/16 11:15 SW 8 N40-0541NAEF 2023/10/16 11:15 SW 8 N40-0541NAEF 2023/10/16 11:15 SW 8 N40-0541NAEF 2023/10/16 11:15	PDT Water PDT Water PDT Water PDT Water	Sample-Routine Sample-Routine Sample-Routine Sample-Routine	SW 8 N40-0541NAEF.202310161115.SR Composite SW 8 N40-0541NAEF:202310161115:SR Composite SW 8 N40-0541NAEF:202310161115:SR Composite SW 8 N40-0541NAEF:202310161115:SR Composite	E. coli, Total E. coli, Total Hardness, Total HEM (Oil and Grease), Total	7440-50-8 0.00740 E.coli > 2420 HARD 18.3 HEM <5.15	Mg/L MPN/100 mL mg CaCO3/L mg/L	U,O-01	NR MPN/10 NR mg CaCC NR mg/L	0 mL 1.00	MPN/100 mL mg CaCO3/L mg/L	SM 2340B EPA 200.8 SM 2340B EPA 1664B	Apex Laboratories Apex Laboratories Apex Laboratories Apex Laboratories	A3J1294-01 A3J1294-01 A3J1294-01 A3J1294-01	2023/10/26 2023/10/17 2023/10/26 2023/10/23	01:02 17:55 01:02 10:35	> 2420 Result for total Hexane Extractable Material (HEM) is below reporting level for this san
SW 8 N40-0541NAEF2023/10/1611:15SW 8 N40-0541NAEF2023/10/1611:15SW 8 N40-0541NAEF2023/10/1611:15	PDTWaterPDTWaterPDTWater	Sample-Routine Sample-Routine Sample-Routine	SW 8 N40-0541NAEF:202310161115:SR Composite SW 8 N40-0541NAEF:202310161115:SR Composite SW 8 N40-0541NAEF:202310161115:SR Composite	Lead, Dissolved Lead, Total Magnesium, Total	7439-92-10.000227439-92-10.001687439-95-41.33	4 mg/L mg/L mg/L	H-12	NR mg/L NR mg/L NR mg/L	0.000200 0.000200 0.150	mg/L mg/L mg/L	EPA 200.8 (Diss) EPA 200.8 EPA 200.8	Apex Laboratories Apex Laboratories Apex Laboratories	A3J1294-01 A3J1294-01 A3J1294-01	2023/10/27 2023/10/26 2023/10/26	04:56 01:02 01:02	Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons
SW 8 N40-0541NAEF 2023/10/16 11:15	PDTWaterPDTWaterPDTWater	Sample-Routine Sample-Routine Sample-Routine	SW 8 N40-0541NAEF:202310161115:SR Composite SW 8 N40-0541NAEF:202310161115:SR Composite SW 8 N40-0541NAEF:202310161115:SR Composite	Nitrate-Nitrogen, Total Orthophosphate Phosphorus, Total pH, Total	7727-37-90.451264888-19-90.110pH5.7ULT10.0	mg/L mg/L pH Units	H-12	NR mg/L NR mg/L NR pH Units		mg/L mg/L 0.1 pH Units	EPA 300.0 SM 4500-P E SM 4500-H+ B	Apex Laboratories Apex Laboratories Apex Laboratories	A3J1294-01 A3J1294-01 A3J1294-01	2023/10/17 2023/10/17 2023/10/16	19:58 15:45 16:20	Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons
SW 8 N40-0541NAEF2023/10/1611:15SW 8 N40-0541NAEF2023/10/1611:15SW 8 N40-0541NAEF2023/10/1611:15SW 8 N40-0541NAEF2023/10/1611:15	PDT Water PDT Water PDT Water PDT Water	Sample-Routine Sample-Routine Sample-Routine Sample-Routine	SW 8 N40-0541NAEF:202310161115:SR Composite SW 8 N40-0541NAEF:202310161115:SR Composite SW 8 N40-0541NAEF:202310161115:SR Composite SW 8 N40-0541NAEF:202310161115:SR Composite	pH Temperature (deg C), Total Phosphorus, Total Total Dissolved Solids, Total Total Suspended Solids, Total	pH Temp 19.2 7723-14-0 0.172 TDS 36.0 TSS 23.0	pH Units mg/L mg/L mg/L	H-12 EST s	NR pH Units NR mg/L NR mg/L NR mg/L	0.100 5.00 5.00	0.1 pH Units mg/L mg/L mg/L	SM 4500-H+ B SM 4500-P E SM 2540 C SM 2540 D	Apex Laboratories Apex Laboratories Apex Laboratories Apex Laboratories	A3J1294-01 A3J1294-01 A3J1294-01 A3J1294-01	2023/10/16 2023/10/24 2023/10/17 2023/10/17	16:20 16:32 18:59 17:03	Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons Solids results are reported as estimates when less than 2.5 mg residue is recovered du
SW 8 N40-0541NAEF2023/10/1611:15SW 8 N40-0541NAEF2023/10/1611:15SW 8 N40-0541NAEF2023/12/0511:00	PDT Water PDT Water PST Water	Sample-Routine Sample-Routine Sample-Routine	SW 8 N40-0541NAEF:202310161115:SR Composite SW 8 N40-0541NAEF:202310161115:SR Composite SW 8 N40-0541NAEF:202312051100:SR Composite	Zinc, Dissolved Zinc, Total Ammonia as N, Total	7440-66-6 0.212 7440-66-6 0.273 NH4 <0.0200	mg/L mg/L mg/L	H-12 U	NR mg/L NR mg/L NR mg/L	0.00400 0.00400 0.0200	mg/L mg/L mg/L	EPA 200.8 (Diss) EPA 200.8 SM 4500-NH3 G	Apex Laboratories Apex Laboratories Apex Laboratories	A3J1294-01 A3J1294-01 A3L0846-01	2023/10/27 2023/10/26 2023/12/08	04:56 01:02 17:48	Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons
SW 8 N40-0541NAEF2023/12/0511:00SW 8 N40-0541NAEF2023/12/0511:00SW 8 N40-0541NAEF2023/12/0511:00	PST Water PST Water PST Water	Sample-Routine Sample-Routine Sample-Routine	SW 8 N40-0541NAEF:202312051100:SR Composite SW 8 N40-0541NAEF:202312051100:SR Composite SW 8 N40-0541NAEF:202312051100:SR Composite	Biochemical Oxygen Demand, Total Calcium, Total Copper, Dissolved	BOD5 <3.08	mg/L mg/L mg/L	U H-12	NR mg/L NR mg/L NR mg/L	3.08 0.600 0.00200	mg/L mg/L mg/L	SM 5210 B EPA 200.8 EPA 200.8 (Diss)	Apex Laboratories Apex Laboratories Apex Laboratories	A3L0846-01 A3L0846-01 A3L0846-01	2023/12/11 2023/12/15 2023/12/07	08:20 21:41 16:03	
SW 8 N40-0541NAEF 2023/12/05 11:00 SW 8 N40-0541NAEF 2023/12/05 11:00	PST Water PST Water PST Water PST Water	Sample-Routine Sample-Routine Sample-Routine Sample-Routine	SW 8 N40-0541NAEF:202312051100:SR Composite SW 8 N40-0541NAEF:202312051100:SR Composite SW 8 N40-0541NAEF:202312051100:SR Composite SW 8 N40-0541NAEF:202312051100:SR Composite	Copper, Total E. coli, Total Hardness, Total HEM (Oil and Grease), Total	7440-50-8 0.00543 E.coli 1120 HARD 29.1 HEM <5.21	mg/L MPN/100 mL mg CaCO3/L mg/L	LL O-01	NR mg/L NR MPN/10 NR mg CaCO		mg/L MPN/100 mL mg CaCO3/L	EPA 200.8 SM 9223 B SM 2340B EPA 1664B	Apex Laboratories Apex Laboratories Apex Laboratories Apex Laboratories	A3L0846-01 A3L0846-01 A3L0846-01 A3L0846-01	2023/12/15 2023/12/06 2023/12/15 2023/12/14	21:41 18:45 21:41 15:40	Result for total Hexane Extractable Material (HEM) is below reporting level for this san
SW 8 N40-0541NAEF 2023/12/05 11:00	PST Water PST Water PST Water	Sample-Routine Sample-Routine Sample-Routine	SW 8 N40-0541NAEF:202312051100:SR Composite SW 8 N40-0541NAEF:202312051100:SR Composite SW 8 N40-0541NAEF:202312051100:SR Composite SW 8 N40-0541NAEF:202312051100:SR Composite	Lab Filtration (prep only)REMOVE Lab Filtration (prep only)REMOVE Lead, Total	NA PREP NA PREP 7439-92-1 0.0014!	N/A N/A mg/L	H-12 H-12	NR N/A NR N/A NR mg/L	NA NA 0.000200	N/A N/A mg/L	NA NA EPA 200.8	Apex Laboratories Apex Laboratories Apex Laboratories Apex Laboratories	A3L0846-01 A3L0846-01 A3L0846-01 A3L0846-01	2023/12/06 2023/12/06 2023/12/15	11:29 11:29 21:41	PREP Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons
SW 8 N40-0541NAEF2023/12/0511:00SW 8 N40-0541NAEF2023/12/0511:00SW 8 N40-0541NAEF2023/12/0511:00	PST Water PST Water PST Water	Sample-Routine Sample-Routine Sample-Routine	SW 8 N40-0541NAEF:202312051100:SR Composite SW 8 N40-0541NAEF:202312051100:SR Composite SW 8 N40-0541NAEF:202312051100:SR Composite	Lead, Dissolved Magnesium, Total Nitrate-Nitrogen, Total	7439-92-1<0.00027439-95-42.217727-37-91.81	mg/L mg/L	U,H-12	NR mg/L NR mg/L NR mg/L	0.000200 0.150 0.250	mg/L mg/L mg/L	EPA 200.8 (Diss) EPA 200.8 EPA 300.0	Apex Laboratories Apex Laboratories Apex Laboratories	A3L0846-01 A3L0846-01 A3L0846-01	2023/12/07 2023/12/15 2023/12/06	16:03 21:41 00:11	
SW 8 N40-0541NAEF 2023/12/05 11:00	PST Water PST Water PST Water	Sample-Routine Sample-Routine Sample-Routine	SW 8 N40-0541NAEF:202312051100:SR Composite SW 8 N40-0541NAEF:202312051100:SR Composite SW 8 N40-0541NAEF:202312051100:SR Composite	Orthophosphate Phosphorus, Total pH, Total pH Temperature (deg C), Total	264888-19-9 0.0888 pH 7.5 pH Temp 20.9 77222.14.0 2.152	mg/L pH Units pH Units	H-12 H-12	NR mg/L NR pH Units NR pH Units	0.0200	mg/L 0.1 pH Units 0.1 pH Units	SM 4500-P E SM 4500-H+ B SM 4500-H+ B	Apex Laboratories Apex Laboratories Apex Laboratories	A3L0846-01 A3L0846-01 A3L0846-01	2023/12/06 2023/12/05 2023/12/05	16:24 18:42 18:42	
SW 8 N40-0541NAEF 2023/12/05 11:00 SW 8 N40-0541NAEF 2023/12/05 11:00	PST Water PST Water PST Water PST Water	Sample-Routine Sample-Routine Sample-Routine Sample-Routine	SW 8 N40-0541NAEF:202312051100:SR Composite SW 8 N40-0541NAEF:202312051100:SR Composite SW 8 N40-0541NAEF:202312051100:SR Composite SW 8 N40-0541NAEF:202312051100:SR Composite	Phosphorus, Total Total Dissolved Solids, Total Total Suspended Solids, Total Zinc, Dissolved	7723-14-00.153TDS51.0TSS18.07440-66-60.0408	mg/L mg/L mg/L mg/l	EST_s H-12	NR mg/L NR mg/L NR mg/L NR mg/L	5.00 5.00 0.00400	mg/L mg/L mg/L mg/l	SM 4500-P E SM 2540 C SM 2540 D EPA 200.8 (Diss)	Apex Laboratories Apex Laboratories Apex Laboratories Apex Laboratories	A3L0846-01 A3L0846-01 A3L0846-01 A3L0846-01	2023/12/13 2023/12/07 2023/12/11 2023/12/07	17:40 19:00 17:33 16:03	Solids results are reported as estimates when less than 2.5 mg residue is recovered du
SW 8 N40-0541NAEF2023/12/0511:00SW 8 N40-0541NAEF2024/02/2812:00SW 8 N40-0541NAEF2024/02/2812:00	PST Water PST Water PST Water	Sample-Routine Sample-Routine Sample-Routine	SW 8 N40-0541NAEF:202312051100:SR Composite SW 8 N40-0541NAEF:202402281200:SR Composite SW 8 N40-0541NAEF:202402281200:SR Composite	Zinc, Total Ammonia as N, Total Biochemical Oxygen Demand, Total	7440-66-6 0.0625 NH4 <0.0200	mg/L mg/L mg/L	U 1 U 1	NR mg/L NR mg/L NR mg/L	0.00400 0.0200 3.33	mg/L mg/L mg/L	EPA 200.8 SM 4500-NH3 G SM 5210 B	Apex Laboratories Apex Laboratories Apex Laboratories	A3L0846-01 A4B1597-01 A4B1597-01	2023/12/15 2024/03/04 2024/03/05	21:41 13:04 12:19	
SW 8 N40-0541NAEF 2024/02/28 12:00	PST Water PST Water PST Water	Sample-Routine Sample-Routine Sample-Routine	SW 8 N40-0541NAEF:202402281200:SR Composite SW 8 N40-0541NAEF:202402281200:SR Composite SW 8 N40-0541NAEF:202402281200:SR Composite	Calcium, Total Copper, Dissolved Copper, Total	7440-70-2 10.2 7440-50-8 0.0022 7440-50-8 0.0057	mg/L mg/L mg/L		NR mg/L NR mg/L NR mg/L	0.600 0.00200 0.00200	mg/L mg/L mg/L	EPA 200.8 EPA 200.8 (Diss) EPA 200.8	Apex Laboratories Apex Laboratories Apex Laboratories	A4B1597-01 A4B1597-01 A4B1597-01	2024/03/12 2024/03/13 2024/03/12	14:23 20:07 14:23	
SW 8 N40-0541NAEF 2024/02/28 12:00 SW 8 N40-0541NAEF 2024/02/28 12:00	PST Water PST Water PST Water PST Water	Sample-Routine Sample-Routine Sample-Routine Sample-Routine	SW 8 N40-0541NAEF:202402281200:SR Composite SW 8 N40-0541NAEF:202402281200:SR Composite SW 8 N40-0541NAEF:202402281200:SR Composite SW 8 N40-0541NAEF:202402281200:SR Composite	E. coli, Total Hardness, Total HEM (Oil and Grease), Total Lab Filtration (prep only)REMOVE	E.coli 1730 HARD 37.9 HEM <5.15 NA PREP	MPN/100 mL mg CaCO3/L mg/L N/A	U,O-01 H-12	NR MPN/10 NR mg CaCO NR mg/L NR N/A		MPN/100 mL mg CaCO3/L mg/L N/A	SM 9223 B SM 2340B EPA 1664B NA	Apex Laboratories Apex Laboratories Apex Laboratories Apex Laboratories	A4B1597-01 A4B1597-01 A4B1597-01 A4B1597-01	2024/02/29 2024/03/12 2024/03/05 2024/02/29	17:02 14:23 08:25 08:54	Result for total Hexane Extractable Material (HEM) is below reporting level for this san PREP
SW 8 N40-0541NAEF2024/02/2812:00SW 8 N40-0541NAEF2024/02/2812:00SW 8 N40-0541NAEF2024/02/2812:00	PST Water PST Water PST Water	Sample-Routine Sample-Routine Sample-Routine	SW 8 N40-0541NAEF:202402281200:SR Composite SW 8 N40-0541NAEF:202402281200:SR Composite SW 8 N40-0541NAEF:202402281200:SR Composite	Lab Filtration (prep only)REMOVE Lead, Total Lead, Dissolved	NAPREP7439-92-10.001707439-92-1<0.0002	N/A mg/L 00 mg/L	H-12 U	NR N/A NR mg/L NR mg/L	NA 0.000200 0.000200	N/A mg/L mg/L	NA EPA 200.8 EPA 200.8 (Diss)	Apex Laboratories Apex Laboratories Apex Laboratories	A4B1597-01 A4B1597-01 A4B1597-01	2024/02/29 2024/03/12 2024/03/13	08:54 14:23 20:07	Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons
SW 8 N40-0541NAEF2024/02/2812:00SW 8 N40-0541NAEF2024/02/2812:00SW 8 N40-0541NAEF2024/02/2812:00	PST Water PST Water PST Water	Sample-Routine Sample-Routine Sample-Routine	SW 8 N40-0541NAEF:202402281200:SR Composite SW 8 N40-0541NAEF:202402281200:SR Composite SW 8 N40-0541NAEF:202402281200:SR Composite	Magnesium, Total Nitrate-Nitrogen, Total Orthophosphate Phosphorus, Total	7439-95-43.037727-37-90.642264888-19-90.0378	mg/L mg/L mg/L		NR mg/L NR mg/L NR mg/L	0.150 0.250 0.0200	mg/L mg/L mg/L	EPA 200.8 EPA 300.0 SM 4500-P E	Apex Laboratories Apex Laboratories Apex Laboratories	A4B1597-01 A4B1597-01 A4B1597-01	2024/03/12 2024/02/28 2024/03/01	14:23 21:34 10:04	
SW 8 N40-0541NAEF2024/02/2812:00SW 8 N40-0541NAEF2024/02/2812:00SW 8 N40-0541NAEF2024/02/2812:00SW 8 N40-0541NAEF2024/02/2812:00	PST Water PST Water PST Water PST Water	Sample-Routine Sample-Routine Sample-Routine Sample-Routine	SW 8 N40-0541NAEF:202402281200:SR Composite SW 8 N40-0541NAEF:202402281200:SR Composite SW 8 N40-0541NAEF:202402281200:SR Composite SW 8 N40-0541NAEF:202402281200:SR Composite	pH, Total pH Temperature (deg C), Total Phosphorus, Total Total Dissolved Solids, Total	pH 7.7 pH Temp 20.5 7723-14-0 0.105 TDS 71.0	pH Units pH Units mg/L mg/l	H-12 H-12	NR pH Units NR pH Units NR mg/L NR mg/L	0.100	0.1 pH Units 0.1 pH Units mg/L mg/l	SM 4500-H+ B SM 4500-H+ B SM 4500-P E SM 2540 C	Apex Laboratories Apex Laboratories Apex Laboratories Apex Laboratories	A4B1597-01 A4B1597-01 A4B1597-01 A4B1597-01	2024/02/28 2024/02/28 2024/03/06 2024/03/06	18:31 18:31 16:49 18:28	Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons
SW 8 N40-0541NAEF 2024/02/28 12:00	PST Water PST Water PST Water	Sample-Routine Sample-Routine Sample-Routine	SW 8 N40-0541NAEF:202402281200:SR Composite SW 8 N40-0541NAEF:202402281200:SR Composite SW 8 N40-0541NAEF:202402281200:SR Composite SW 8 N40-0541NAEF:202402281200:SR Composite	Total Suspended Solids, Total Zinc, Dissolved Zinc, Total	TSS 23.0 7440-66-6 0.0108 7440-66-6 0.0388	mg/L mg/L mg/L	TSS	NR mg/L NR mg/L NR mg/L NR mg/L	5.00 5.00 0.00400 0.00400	mg/L mg/L mg/L	SM 2540 D EPA 200.8 (Diss) EPA 200.8	Apex Laboratories Apex Laboratories Apex Laboratories Apex Laboratories	A4B1597-01 A4B1597-01 A4B1597-01 A4B1597-01	2024/03/04 2024/03/13 2024/03/12	18:56 20:07 14:23	Dried residue was less than 2.5mg as specified in the method. Results meet regulatory
SW 12 WALTA VISTA2023/09/2513:32SW 12 WALTA VISTA2023/09/2513:32SW 12 WALTA VISTA2023/09/2513:32	PDTWaterPDTWaterPDTWater	Sample-Routine Sample-Routine Sample-Routine	SW 12 WALTA VISTA:202309251332:SR Grab SW 12 WALTA VISTA:202309251332:SR Grab SW 12 WALTA VISTA:202309251332:SR Grab	Ammonia as N, Total Biochemical Oxygen Demand, Total Calcium, Total	NH40.143BOD53.717440-70-29.78	mg/L mg/L mg/L	-	NR mg/L NR mg/L NR mg/L	0.0200 2.14 0.600	mg/L mg/L mg/L	SM 4500-NH3 G SM 5210 B EPA 200.8	Apex Laboratories Apex Laboratories Apex Laboratories	A3I1405-02 A3I1405-02 A3I1405-02	2023/09/28 2023/10/02 2023/10/06	12:02 13:05 00:04	
SW 12 WALTA VISTA 2023/09/25 13:32 SW 12 WALTA VISTA 2023/09/25 13:32	PDT Water PDT Water PDT Water PDT Water	Sample-Routine Sample-Routine Sample-Routine	SW 12 WALTA VISTA:202309251332:SR Grab SW 12 WALTA VISTA:202309251332:SR Grab SW 12 WALTA VISTA:202309251332:SR Grab SW 12 WALTA VISTA:202309251332:SR Grab	Copper, Dissolved Copper, Dissolved Copper, Total E. coli, Total	7440-50-8 0.00593 7440-50-8 0.00593 7440-50-8 0.00854 E.coli > 2419.	mg/L mg/L mg/L 5 MPN/100 mL	FILT1, H-12 FILT1, H-12	NR mg/L NR mg/L NR mg/L NR MPN/10	0.00200 0.00200 0.00200	mg/L mg/L mg/L MPN/100 mL	EPA 200.8 (Diss) EPA 200.8 (Diss) EPA 200.8 SM 9223 B	Apex Laboratories Apex Laboratories Apex Laboratories	A3I1405-02 A3I1405-02 A3I1405-02 A3I1405-02	2023/09/27 2023/09/27 2023/10/06 2023/09/26	04:04 04:04 00:04 17:58	Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons Sample was lab filtered and acid preserved prior to analysis. See sample preparation s
SW 12 WALTA VISTA 2023/09/25 13:32 SW 12 WALTA VISTA 2023/09/25 13:32	PDT Water PDT Water PDT Water PDT Water	Sample-Routine Sample-Routine Sample-Routine Sample-Routine	SW 12 WALTA VISTA:202309251332:SR Grab SW 12 WALTA VISTA:202309251332:SR Grab SW 12 WALTA VISTA:202309251332:SR Grab SW 12 WALTA VISTA:202309251332:SR Grab	Hardness, Total Hardness, Total HEM (Oil and Grease), Total Lab Filtration (prep only)REMOVE	HARD 37.5 HEM <5.15 NA PREP	mg CaCO3/L mg/L N/A	U,O-01 H-12	NR mg CaCo NR mg/L NR N/A		mg CaCO3/L mg/L N/A	SM 2340B EPA 1664B NA	Apex Laboratories Apex Laboratories Apex Laboratories Apex Laboratories	A311405-02 A311405-02 A311405-02 A311405-02	2023/10/06 2023/10/04 2023/09/25	17:58 00:04 19:24 16:57	> 2419.6 Result for total Hexane Extractable Material (HEM) is below reporting level for this san PREP
SW 12 WALTA VISTA 2023/09/25 13:32	PDT Water PDT Water PDT Water	Sample-Routine Sample-Routine Sample-Routine	SW 12 WALTA VISTA:202309251332:SR Grab SW 12 WALTA VISTA:202309251332:SR Grab SW 12 WALTA VISTA:202309251332:SR Grab	Lab Filtration (prep only)REMOVE Lead, Total Lead, Dissolved	NA PREP 7439-92-1 0.0010 7439-92-1 <0.0000	N/A mg/L 00 mg/L	H-12 U,FILT1, H-12	NR N/A NR mg/L NR mg/L	NA 0.000200 0.000200	N/A mg/L mg/L	NA EPA 200.8 EPA 200.8 (Diss)	Apex Laboratories Apex Laboratories Apex Laboratories	A3I1405-02 A3I1405-02 A3I1405-02	2023/09/25 2023/10/06 2023/09/27	16:57 00:04 04:04	Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons
SW 12 WALTA VISTA 2023/09/25 13:32	PDT Water PDT Water PDT Water	Sample-Routine Sample-Routine Sample-Routine	SW 12 WALTA VISTA:202309251332:SR Grab SW 12 WALTA VISTA:202309251332:SR Grab SW 12 WALTA VISTA:202309251332:SR Grab	Lead, Dissolved Magnesium, Total Nitrate-Nitrogen, Total	7439-92-1 <0.0002	00 mg/L mg/L mg/L	U,FILT1, H-12	NR mg/L NR mg/L NR mg/L	0.000200 0.150 0.250	mg/L mg/L mg/L	EPA 200.8 (Diss) EPA 200.8 EPA 300.0	Apex Laboratories Apex Laboratories Apex Laboratories	A3I1405-02 A3I1405-02 A3I1405-02	2023/09/27 2023/10/06 2023/09/26	04:04 00:04 14:46	Sample was lab filtered and acid preserved prior to analysis. See sample preparation s
SW 12 WALTA VISTA 2023/09/25 13:32 SW 12 WALTA VISTA 2023/09/25 13:32	PDT Water PDT Water PDT Water PDT Water	Sample-Routine Sample-Routine Sample-Routine Sample-Routine	SW 12 WALTA VISTA:202309251332:SR Grab SW 12 WALTA VISTA:202309251332:SR Grab SW 12 WALTA VISTA:202309251332:SR Grab SW 12 WALTA VISTA:202309251332:SR Grab	Orthophosphate Phosphorus, Total pH, Total pH Temperature (deg C), Total Phosphorus, Total	264888-19-9 0.0806 pH 7.3 pH Temp 17.6 7723-14-0 0.146	mg/L pH Units pH Units mg/l	H-12 H-12	NR mg/L NR pH Units NR pH Units		mg/L 0.1 pH Units 0.1 pH Units	SM 4500-P E SM 4500-H+ B SM 4500-H+ B SM 4500-P E	Apex Laboratories Apex Laboratories Apex Laboratories Apex Laboratories	A3I1405-02 A3I1405-02 A3I1405-02 A3I1405-02	2023/09/26 2023/09/25 2023/09/25 2023/10/03	10:07 17:01 17:01 18:54	
SW 12 WALTA VISTA 2023/09/25 13:32 SW 12 WALTA VISTA 2023/09/25 13:32	PDT Water PDT Water PDT Water	Sample-Routine Sample-Routine Sample-Routine Sample-Routine	SW 12 WALTA VISTA:202309251332:SR Grab SW 12 WALTA VISTA:202309251332:SR Grab SW 12 WALTA VISTA:202309251332:SR Grab SW 12 WALTA VISTA:202309251332:SR Grab	Total Dissolved Solids, Total Total Suspended Solids, Total Zinc, Dissolved	TDS 72.0 TSS 14.0 7440-66-6 0.0377	mg/L mg/L mg/L mg/L	EST_s FILT1, H-12	NR mg/L NR mg/L NR mg/L NR mg/L	5.00 5.00 0.00400	mg/L mg/L mg/L	SM 2540 C SM 2540 D EPA 200.8 (Diss)	Apex Laboratories Apex Laboratories Apex Laboratories Apex Laboratories	A3I1405-02 A3I1405-02 A3I1405-02 A3I1405-02	2023/09/26 2023/09/28 2023/09/27	17:40 16:53 04:04	Solids results are reported as estimates when less than 2.5 mg residue is recovered du Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons
SW 12 WALTA VISTA2023/09/2513:32SW 12 WALTA VISTA2023/09/2513:32SW 15 FAIROAKS2023/09/2512:55	PDTWaterPDTWaterPDTWater	Sample-Routine Sample-Routine Sample-Routine	SW 12 WALTA VISTA:202309251332:SR Grab SW 12 WALTA VISTA:202309251332:SR Grab SW 15 FAIROAKS:202309251255:SR Grab	Zinc, Dissolved Zinc, Total Ammonia as N, Total	7440-66-60.03777440-66-60.0573NH40.0570	mg/L mg/L mg/L	FILT1, H-12	NR mg/L NR mg/L NR mg/L	0.00400 0.00400 0.0200	mg/L mg/L mg/L	EPA 200.8 (Diss) EPA 200.8 SM 4500-NH3 G	Apex Laboratories Apex Laboratories Apex Laboratories	A3I1405-02 A3I1405-02 A3I1405-03	2023/09/27 2023/10/06 2023/09/28	04:04 00:04 12:05	Sample was lab filtered and acid preserved prior to analysis. See sample preparation s
SW 15 FAIROAKS 2023/09/25 12:55	PDT Water PDT Water PDT Water	Sample-Routine Sample-Routine Sample-Routine	SW 15 FAIROAKS:202309251255:SR Grab SW 15 FAIROAKS:202309251255:SR Grab SW 15 FAIROAKS:202309251255:SR Grab	Biochemical Oxygen Demand, Total Calcium, Total Copper, Dissolved	BOD5 <2.14	mg/L mg/L mg/L	U FILT1, H-12	NR mg/L NR mg/L NR mg/L	2.14 0.600 0.00200	mg/L mg/L mg/L	SM 5210 B EPA 200.8 EPA 200.8 (Diss)	Apex Laboratories Apex Laboratories Apex Laboratories	A3I1405-03 A3I1405-03 A3I1405-03	2023/10/02 2023/10/06 2023/09/27	13:05 00:09 04:09	Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons
SW 15 FAIROAKS 2023/09/25 12:55	PDT Water PDT Water PDT Water PDT Water	Sample-Routine Sample-Routine Sample-Routine Sample-Routine	SW 15 FAIROAKS:202309251255:SR Grab SW 15 FAIROAKS:202309251255:SR Grab SW 15 FAIROAKS:202309251255:SR Grab SW 15 FAIROAKS:202309251255:SR Grab	Copper, Dissolved Copper, Total E. coli, Total Hardness, Total	7440-50-8 0.00768 7440-50-8 0.0103 E.coli > 2419 HARD 31.2	mg/L mg/L 6 MPN/100 mL mg CaCO3/L	FILT1, H-12	NR mg/L NR mg/L NR MPN/10 NR mg CaCO		mg/L mg/L MPN/100 mL mg CaCO3/L	EPA 200.8 (Diss) EPA 200.8 SM 9223 B SM 2340B	Apex Laboratories Apex Laboratories Apex Laboratories Apex Laboratories	A3I1405-03 A3I1405-03 A3I1405-03 A3I1405-03	2023/09/27 2023/10/06 2023/09/26 2023/10/06	04:09 00:09 17:58 00:09	Sample was lab filtered and acid preserved prior to analysis. See sample preparation s > 2419.6
SW 15 FAIROAKS 2023/09/25 12:55 SW 15 FAIROAKS 2023/09/25 12:55 SW 15 FAIROAKS 2023/09/25 12:55	PDT Water PDT Water PDT Water	Sample-Routine Sample-Routine Sample-Routine	SW 15 FAIROAKS:202309251255:SR Grab SW 15 FAIROAKS:202309251255:SR Grab SW 15 FAIROAKS:202309251255:SR Grab	HEM (Oil and Grease), Total Lab Filtration (prep only)REMOVE Lab Filtration (prep only)REMOVE	HEM <5.05 NA PREP NA PREP	mg/L N/A N/A	U,O-01 I H-12 I H-12 I	NR mg/L NR N/A NR N/A	5.05 NA NA	mg/L N/A N/A	EPA 1664B NA NA	Apex Laboratories Apex Laboratories Apex Laboratories	A3I1405-03 A3I1405-03 A3I1405-03	2023/10/04 2023/09/25 2023/09/25	19:24 17:10 17:10	Result for total Hexane Extractable Material (HEM) is below reporting level for this san PREP Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons
SW 15 FAIROAKS 2023/09/25 12:55	PDTWaterPDTWaterPDTWater	Sample-Routine Sample-Routine Sample-Routine	SW 15 FAIROAKS:202309251255:SR Grab SW 15 FAIROAKS:202309251255:SR Grab SW 15 FAIROAKS:202309251255:SR Grab	Lead, Dissolved Lead, Dissolved Lead, Total	7439-92-10.000297439-92-10.000297439-92-10.00229	0 mg/L 0 mg/L mg/L	FILT1, H-12 FILT1, H-12	NR mg/L NR mg/L NR mg/L	0.000200 0.000200 0.000200	mg/L mg/L mg/L	EPA 200.8 (Diss) EPA 200.8 (Diss) EPA 200.8	Apex Laboratories Apex Laboratories Apex Laboratories	A3I1405-03 A3I1405-03 A3I1405-03	2023/09/27 2023/09/27 2023/10/06	04:09 04:09 00:09	Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons Sample was lab filtered and acid preserved prior to analysis. See sample preparation s
SW 15 FAIROAKS 2023/09/25 12:55	PDT Water PDT Water PDT Water PDT Water	Sample-Routine Sample-Routine Sample-Routine Sample-Routine	SW 15 FAIROAKS:202309251255:SR Grab SW 15 FAIROAKS:202309251255:SR Grab SW 15 FAIROAKS:202309251255:SR Grab SW 15 FAIROAKS:202309251255:SR Grab	Magnesium, Total Nitrate-Nitrogen, Total Orthophosphate Phosphorus, Total pH, Total	7439-95-4 2.75 7727-37-9 0.557 264888-19-9 0.0877 pH 7.3	mg/L mg/L mg/L pH Units	H-12	NR mg/L NR mg/L NR mg/L NR pH Units	0.150 0.250 0.0200	mg/L mg/L mg/L 0.1 pH Units	EPA 200.8 EPA 300.0 SM 4500-P E SM 4500-H+ B	Apex Laboratories Apex Laboratories Apex Laboratories Apex Laboratories	A3I1405-03 A3I1405-03 A3I1405-03 A3I1405-03	2023/10/06 2023/09/26 2023/09/26 2023/09/25	00:09 15:08 10:07 17:05	
SW 15 FAIROAKS 2023/09/25 12:55	PDT Water PDT Water PDT Water	Sample-Routine Sample-Routine Sample-Routine	SW 15 FAIROAKS:202309251255:SR Grab SW 15 FAIROAKS:202309251255:SR Grab SW 15 FAIROAKS:202309251255:SR Grab SW 15 FAIROAKS:202309251255:SR Grab	pH, Four pH Temperature (deg C), Total Phosphorus, Total Total Dissolved Solids, Total	pH Temp 17.3 7723-14-0 0.171 TDS 83.0	pH Units mg/L mg/L	H-12 Q-42	NR pH Units NR mg/L NR mg/L		0.1 pH Units 0.1 mg/L mg/L	SM 4500-H+ B SM 4500-P E SM 2540 C	Apex Laboratories Apex Laboratories Apex Laboratories Apex Laboratories	A3I1405-03 A3I1405-03 A3I1405-03	2023/09/25 2023/10/03 2023/09/26	17:05 17:05 18:55 17:40	Matrix Spike and/or Duplicate analysis was performed on this sample. % Recovery or R
SW 15 FAIROAKS2023/09/2512:55SW 15 FAIROAKS2023/09/2512:55SW 15 FAIROAKS2023/09/2512:55	PDTWaterPDTWaterPDTWater	Sample-Routine Sample-Routine Sample-Routine	SW 15 FAIROAKS:202309251255:SR Grab SW 15 FAIROAKS:202309251255:SR Grab SW 15 FAIROAKS:202309251255:SR Grab	Total Suspended Solids, Total Zinc, Dissolved Zinc, Dissolved	TSS29.07440-66-60.01647440-66-60.0164	mg/L mg/L mg/L	FILT1, H-12 FILT1, H-12	NR mg/L NR mg/L NR mg/L	5.00 0.00400 0.00400	mg/L mg/L mg/L	SM 2540 D EPA 200.8 (Diss) EPA 200.8 (Diss)	Apex Laboratories Apex Laboratories Apex Laboratories	A3I1405-03 A3I1405-03 A3I1405-03	2023/09/28 2023/09/27 2023/09/27	16:53 04:09 04:09	Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons Sample was lab filtered and acid preserved prior to analysis. See sample preparation s
SW 15 FAIROAKS 2023/09/25 12:55 SW 3 PARK AVE 2023/09/25 12:25 SW 3 PARK AVE 2023/09/25 12:25 SW 3 PARK AVE 2023/09/25 12:25	PDT Water PDT Water PDT Water	Sample-Routine Sample-Routine Sample-Routine	SW 15 FAIROAKS:202309251255:SR Grab SW 3 PARK AVE:202309251225:SR Grab SW 3 PARK AVE:202309251225:SR Grab	Zinc, Total Ammonia as N, Total Biochemical Oxygen Demand, Total	7440-66-6 0.0334 NH4 0.0410 BOD5 7.97 7440, 70, 2 10, 4	mg/L mg/L mg/L	-	NR mg/L NR mg/L NR mg/L	0.00400 0.0200 2.14	mg/L mg/L mg/L	EPA 200.8 SM 4500-NH3 G SM 5210 B	Apex Laboratories Apex Laboratories Apex Laboratories	A3I1405-03 A3I1405-01 A3I1405-01	2023/10/06 2023/09/28 2023/10/02	00:09 12:01 13:05 23:58	
SW 3 PARK AVE 2023/09/25 12:25	PDT Water PDT Water PDT Water PDT Water	Sample-Routine Sample-Routine Sample-Routine Sample-Routine	SW 3 PARK AVE:202309251225:SR Grab SW 3 PARK AVE:202309251225:SR Grab SW 3 PARK AVE:202309251225:SR Grab SW 3 PARK AVE:202309251225:SR Grab	Calcium, Total Copper, Dissolved Copper, Dissolved Copper, Total	7440-70-2 10.4 7440-50-8 0.0068 7440-50-8 0.0068 7440-50-8 0.0090	mg/L mg/L mg/L mg/L	H-12, FILT1 H-12, FILT1	NR mg/L NR mg/L NR mg/L NR mg/L	0.00200 0.00200 0.00200	mg/L mg/L mg/L	EPA 200.8 EPA 200.8 (Diss) EPA 200.8 (Diss) EPA 200.8	Apex Laboratories Apex Laboratories Apex Laboratories Apex Laboratories	A3I1405-01 A3I1405-01 A3I1405-01 A3I1405-01	2023/10/05 2023/09/27 2023/09/27 2023/10/05	23:58 03:48 03:48 23:58	Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons Sample was lab filtered and acid preserved prior to analysis. See sample preparation s
SW 3 PARK AVE2023/09/2512:25SW 3 PARK AVE2023/09/2512:25SW 3 PARK AVE2023/09/2512:25	PDTWaterPDTWaterPDTWater	Sample-Routine Sample-Routine Sample-Routine	SW 3 PARK AVE:202309251225:SR Grab SW 3 PARK AVE:202309251225:SR Grab SW 3 PARK AVE:202309251225:SR Grab	E. coli, Total Hardness, Total HEM (Oil and Grease), Total	E.coli > 2419. HARD 38.8 HEM <5.15	6 MPN/100 mL mg CaCO3/L mg/L	U,O-01	NR MPN/10 NR mg CaCO NR mg/L	0 mL 1.00	MPN/100 mL mg CaCO3/L mg/L	SM 9223 B SM 2340B EPA 1664B	Apex Laboratories Apex Laboratories Apex Laboratories	A3I1405-01 A3I1405-01 A3I1405-01	2023/09/26 2023/10/05 2023/10/04	17:58 23:58 19:24	> 2419.6 Result for total Hexane Extractable Material (HEM) is below reporting level for this san
SW 3 PARK AVE 2023/09/25 12:25	PDTWaterPDTWaterPDTWaterDDTWater	Sample-Routine Sample-Routine Sample-Routine	SW 3 PARK AVE:202309251225:SR Grab SW 3 PARK AVE:202309251225:SR Grab SW 3 PARK AVE:202309251225:SR Grab	Lab Filtration (prep only)REMOVE Lab Filtration (prep only)REMOVE Lead, Dissolved	NA PREP NA PREP 7439-92-1 0.00024	N/A N/A 0 mg/L	H-12 H-12 FILT1, H-12	NR N/A NR N/A NR mg/L	NA NA 0.000200	N/A N/A mg/L	NA NA EPA 200.8 (Diss)	Apex Laboratories Apex Laboratories Apex Laboratories	A3I1405-01 A3I1405-01 A3I1405-01	2023/09/25 2023/09/25 2023/09/27	16:40 16:40 03:48	PREP Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons
SW 3 PARK AVE 2023/09/25 12:25	PDT Water PDT Water PDT Water PDT Water	Sample-Routine Sample-Routine Sample-Routine Sample-Routine	SW 3 PARK AVE:202309251225:SR Grab SW 3 PARK AVE:202309251225:SR Grab SW 3 PARK AVE:202309251225:SR Grab SW 3 PARK AVE:202309251225:SR Grab	Lead, Dissolved Lead, Total Magnesium, Total Nitrate-Nitrogen, Total	7439-92-1 0.00024 7439-92-1 0.00253 7439-95-4 3.14 7727-37-9 1.35	u mg/L mg/L mg/L mg/l	FILT1, H-12	NR mg/L NR mg/L NR mg/L NR mg/L	0.000200 0.000200 0.150 0.250	mg/L mg/L mg/L mg/l	EPA 200.8 (Diss) EPA 200.8 EPA 200.8 EPA 300.0	Apex Laboratories Apex Laboratories Apex Laboratories Apex Laboratories	A3I1405-01 A3I1405-01 A3I1405-01 A3I1405-01	2023/09/27 2023/10/05 2023/10/05 2023/09/26	03:48 23:58 23:58 13:42	Sample was lab filtered and acid preserved prior to analysis. See sample preparation s
SW 3 PARK AVE2023/09/2512:25SW 3 PARK AVE2023/09/2512:25SW 3 PARK AVE2023/09/2512:25	PDTWaterPDTWaterPDTWater	Sample-Routine Sample-Routine Sample-Routine	SW 3 PARK AVE:202309251225:SR Grab SW 3 PARK AVE:202309251225:SR Grab SW 3 PARK AVE:202309251225:SR Grab	Orthophosphate Phosphorus, Total pH, Total pH Temperature (deg C), Total	264888-19-90.0791pH7.2pH Temp17.7	mg/L pH Units pH Units	Q-42 H-12 H-12	NR mg/L NR pH Units NR pH Units		mg/L 0.1 pH Units 0.1 pH Units	SM 4500-P E SM 4500-H+ B SM 4500-H+ B	Apex Laboratories Apex Laboratories Apex Laboratories	A3I1405-01 A3I1405-01 A3I1405-01	2023/09/26 2023/09/25 2023/09/25	10:05 16:57 16:57	Matrix Spike and/or Duplicate analysis was performed on this sample. % Recovery or R
SW 3 PARK AVE 2023/09/25 12:25	PDTWaterPDTWaterPDTWater	Sample-Routine Sample-Routine Sample-Routine	SW 3 PARK AVE:202309251225:SR Grab SW 3 PARK AVE:202309251225:SR Grab SW 3 PARK AVE:202309251225:SR Grab	Phosphorus, Total Total Dissolved Solids, Total Total Suspended Solids, Total	7723-14-0 0.190 TDS 67.0 TSS 20.0	mg/L mg/L mg/L	EST_s	NR mg/L NR mg/L NR mg/L	0.100 5.00 5.00	mg/L mg/L mg/L	SM 4500-P E SM 2540 C SM 2540 D	Apex Laboratories Apex Laboratories Apex Laboratories	A3I1405-01 A3I1405-01 A3I1405-01	2023/10/03 2023/09/26 2023/09/28	18:52 17:40 16:53	Solids results are reported as estimates when less than 2.5 mg residue is recovered du
SW 3 PARK AVE 2023/09/25 12:25 SW 3 PARK AVE 2023/09/25 12:25 SW 3 PARK AVE 2023/09/25 12:25 SW 12 WALTA VISTA 2023/12/05 10:46	PDT Water PDT Water PDT Water PST Water	Sample-Routine Sample-Routine Sample-Routine Sample-Routine	SW 3 PARK AVE:202309251225:SR Grab SW 3 PARK AVE:202309251225:SR Grab SW 3 PARK AVE:202309251225:SR Grab SW 12 WALTA VISTA:202312051046:SR Composite	Zinc, Dissolved Zinc, Dissolved Zinc, Total Ammonia as N, Total	7440-66-6 0.0164 7440-66-6 0.0164 7440-66-6 0.0347 NH4 0.0270	mg/L mg/L mg/L mg/l	FILT1, H-12 FILT1, H-12	NR mg/L NR mg/L NR mg/L NR mg/L	0.00400 0.00400 0.00400 0.0200	mg/L mg/L mg/L	EPA 200.8 (Diss) EPA 200.8 (Diss) EPA 200.8 SM 4500-NH3 G	Apex Laboratories Apex Laboratories Apex Laboratories Apex Laboratories	A3I1405-01 A3I1405-01 A3I1405-01 A3L0845-01	2023/09/27 2023/09/27 2023/10/05 2023/12/08	03:48 03:48 23:58 17:32	Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons Sample was lab filtered and acid preserved prior to analysis. See sample preparation s
SW 12 WALTA VISTA 2023/12/05 10:46 SW 12 WALTA VISTA 2023/12/05 10:46 SW 12 WALTA VISTA 2023/12/05 10:46	PST Water PST Water PST Water	Sample-Routine Sample-Routine Sample-Routine	SW 12 WALTA VISTA:202312051046:SR Composite SW 12 WALTA VISTA:202312051046:SR Composite SW 12 WALTA VISTA:202312051046:SR Composite	Biochemical Oxygen Demand, Total Calcium, Total Copper, Dissolved	BOD5 <3.08	mg/L mg/L mg/L	U I H-12	NR mg/L NR mg/L NR mg/L	3.08 0.600 0.00200	mg/L mg/L mg/L	SM 5210 B EPA 200.8 EPA 200.8 (Diss)	Apex Laboratories Apex Laboratories Apex Laboratories	A3L0845-01 A3L0845-01 A3L0845-01	2023/12/11 2023/12/15 2023/12/07	08:20 21:25 15:49	
SW 12 WALTA VISTA 2023/12/05 10:46 SW 12 WALTA VISTA 2023/12/05 10:46	PST Water PST Water PST Water	Sample-Routine Sample-Routine Sample-Routine	SW 12 WALTA VISTA:202312051046:SR Composite SW 12 WALTA VISTA:202312051046:SR Composite SW 12 WALTA VISTA:202312051046:SR Composite	Copper, Total E. coli, Total Hardness, Total	7440-50-8 0.00519 E.coli 1990 HARD 25.8 HEM <5.15	mg/L MPN/100 mL mg CaCO3/L		NR mg/L NR MPN/10 NR mg CaCC		mg/L MPN/100 mL mg CaCO3/L	EPA 200.8 SM 9223 B SM 2340B	Apex Laboratories Apex Laboratories Apex Laboratories	A3L0845-01 A3L0845-01 A3L0845-01	2023/12/15 2023/12/06 2023/12/15	21:25 18:45 21:25	
SW 12 WALTA VISTA 2023/12/05 10:46	PST Water PST Water PST Water PST Water	Sample-Routine Sample-Routine Sample-Routine Sample-Routine	SW 12 WALTA VISTA:202312051046:SR Composite SW 12 WALTA VISTA:202312051046:SR Composite SW 12 WALTA VISTA:202312051046:SR Composite SW 12 WALTA VISTA:202312051046:SR Composite	HEM (Oil and Grease), Total Lab Filtration (prep only)REMOVE Lab Filtration (prep only)REMOVE Lead, Total	NA PREP NA PREP 7439-92-1 0.0013!	N/A N/A mg/L	U,O-01 H-12 H-12	NR N/A NR N/A NR mg/L	NA NA 0.000200	N/A N/A mg/L	EPA 1664B NA NA EPA 200.8	Apex Laboratories Apex Laboratories Apex Laboratories Apex Laboratories	A3L0845-01 A3L0845-01 A3L0845-01 A3L0845-01	2023/12/14 2023/12/06 2023/12/06 2023/12/15	15:40 11:29 11:29 21:25	Result for total Hexane Extractable Material (HEM) is below reporting level for this san PREP Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons
SW 12 WALTA VISTA2023/12/0510:46SW 12 WALTA VISTA2023/12/0510:46SW 12 WALTA VISTA2023/12/0510:46	PST Water PST Water PST Water	Sample-Routine Sample-Routine Sample-Routine	SW 12 WALTA VISTA:202312051046:SR Composite SW 12 WALTA VISTA:202312051046:SR Composite SW 12 WALTA VISTA:202312051046:SR Composite	Lead, Dissolved Magnesium, Total Nitrate-Nitrogen, Total	7439-92-1<0.00027439-95-42.077727-37-90.984	00 mg/L mg/L mg/L	U,H-12	NR mg/L NR mg/L NR mg/L	0.000200 0.150 0.250	mg/L mg/L mg/L	EPA 200.8 (Diss) EPA 200.8 EPA 300.0	Apex Laboratories Apex Laboratories Apex Laboratories	A3L0845-01 A3L0845-01 A3L0845-01	2023/12/07 2023/12/15 2023/12/05	15:49 21:25 23:06	
SW 12 WALTA VISTA 2023/12/05 10:46	PST Water PST Water PST Water	Sample-Routine Sample-Routine Sample-Routine	SW 12 WALTA VISTA:202312051046:SR Composite SW 12 WALTA VISTA:202312051046:SR Composite SW 12 WALTA VISTA:202312051046:SR Composite	Orthophosphate Phosphorus, Total pH, Total pH Temperature (deg C), Total	264888-19-9 0.0544 pH 8.4 pH Temp 20.8	mg/L pH Units pH Units	Q-42 H-12 H-12	NR mg/L NR pH Units NR pH Units		mg/L 0.1 pH Units 0.1 pH Units	SM 4500-P E SM 4500-H+ B SM 4500-H+ B	Apex Laboratories Apex Laboratories Apex Laboratories	A3L0845-01 A3L0845-01 A3L0845-01	2023/12/06 2023/12/05 2023/12/05	16:21 18:34 18:34	Matrix Spike and/or Duplicate analysis was performed on this sample. % Recovery or R
SW 12 WALTA VISTA 2023/12/05 10:46 SW 12 WALTA VISTA 2023/12/05 10:46	PST Water PST Water PST Water PST Water	Sample-Routine Sample-Routine Sample-Routine Sample-Routine	SW 12 WALTA VISTA:202312051046:SR Composite SW 12 WALTA VISTA:202312051046:SR Composite SW 12 WALTA VISTA:202312051046:SR Composite SW 12 WALTA VISTA:202312051046:SR Composite	Phosphorus, Total Total Dissolved Solids, Total Total Suspended Solids, Total Zinc, Dissolved	7723-14-00.115TDS66.0TSS16.07440-66-60.0345	mg/L mg/L mg/L mg/l	Q-42 EST_s H-12	NR mg/L NR mg/L NR mg/L NR mg/L	0.100 5.00 5.00 0.00400	mg/L mg/L mg/L mg/L	SM 4500-P E SM 2540 C SM 2540 D EPA 200.8 (Diss)	Apex Laboratories Apex Laboratories Apex Laboratories Apex Laboratories	A3L0845-01 A3L0845-01 A3L0845-01 A3L0845-01	2023/12/13 2023/12/07 2023/12/11 2023/12/07	17:38 19:00 17:33 15:49	Matrix Spike and/or Duplicate analysis was performed on this sample. % Recovery or R Solids results are reported as estimates when less than 2.5 mg residue is recovered du
SW 12 WALTA VISTA 2023/12/05 10:40 SW 12 WALTA VISTA 2023/12/05 10:40 SW 12 WALTA VISTA 2024/02/28 11:30 SW 12 WALTA VISTA 2024/02/28 11:30	PST Water PST Water PST Water	Sample-Routine Sample-Routine Sample-Routine	SW 12 WALTA VISTA:202312051040:SR Composite SW 12 WALTA VISTA:202312051046:SR Composite SW 12 WALTA VISTA:202402281130:SR Composite SW 12 WALTA VISTA:202402281130:SR Composite	Zinc, Total Ammonia as N, Total Biochemical Oxygen Demand, Total	7440-66-6 0.0540 NH4 0.0510 BOD5 <3.33	mg/L mg/L mg/L	U	NR mg/L NR mg/L NR mg/L NR mg/L	0.00400 0.0200 3.33	mg/L mg/L mg/L	EPA 200.8 SM 4500-NH3 G SM 5210 B	Apex Laboratories Apex Laboratories Apex Laboratories Apex Laboratories	A3L0845-01 A4B1594-03 A4B1594-03	2023/12/15 2024/03/04 2024/03/05	21:25 13:01 12:19	
SW 12 WALTA VISTA2024/02/2811:30SW 12 WALTA VISTA2024/02/2811:30SW 12 WALTA VISTA2024/02/2811:30	PST Water PST Water PST Water	Sample-Routine Sample-Routine Sample-Routine	SW 12 WALTA VISTA:202402281130:SR Composite SW 12 WALTA VISTA:202402281130:SR Composite SW 12 WALTA VISTA:202402281130:SR Composite	Calcium, Total Copper, Dissolved Copper, Total	7440-70-2 11.2 7440-50-8 0.00242 7440-50-8 0.00534	mg/L mg/L mg/L	FILT1,H-12	NR mg/L NR mg/L NR mg/L	0.600 0.00200 0.00200	mg/L mg/L mg/L	EPA 200.8 EPA 200.8 (Diss) EPA 200.8	Apex Laboratories Apex Laboratories Apex Laboratories	A4B1594-03 A4B1594-03 A4B1594-03	2024/03/12 2024/03/12 2024/03/12	14:04 11:49 14:04	Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons
SW 12 WALTA VISTA 2024/02/28 11:30 SW 12 WALTA VISTA 2024/02/28 11:30	PST Water PST Water PST Water PST Water	Sample-Routine Sample-Routine Sample-Routine Sample-Routine	SW 12 WALTA VISTA:202402281130:SR Composite SW 12 WALTA VISTA:202402281130:SR Composite SW 12 WALTA VISTA:202402281130:SR Composite SW 12 WALTA VISTA:202402281130:SR Composite	E. coli, Total Hardness, Total HEM (Oil and Grease), Total Lab Filtration (prep only)REMOVE	E.coli 1120 HARD 43.2 HEM <5.32 NA PREP	MPN/100 mL mg CaCO3/L mg/L N/A	U,O-01 H-12	NR MPN/10 NR mg CaCo NR mg/L NR N/A		MPN/100 mL mg CaCO3/L mg/L N/A	. SM 9223 B SM 2340B EPA 1664B NA	Apex Laboratories Apex Laboratories Apex Laboratories Apex Laboratories	A4B1594-03 A4B1594-03 A4B1594-03 A4B1594-03	2024/02/29 2024/03/12 2024/03/05 2024/02/29	17:02 14:04 08:25 08:48	Result for total Hexane Extractable Material (HEM) is below reporting level for this san PREP
SW 12 WALTA VISTA 2024/02/28 11:30 SW 12 WALTA VISTA 2024/02/28 11:30	PST Water PST Water PST Water PST Water	Sample-Routine Sample-Routine Sample-Routine Sample-Routine	SW 12 WALTA VISTA:202402281130:SR Composite SW 12 WALTA VISTA:202402281130:SR Composite SW 12 WALTA VISTA:202402281130:SR Composite SW 12 WALTA VISTA:202402281130:SR Composite	Lab Filtration (prep only)REMOVE Lab Filtration (prep only)REMOVE Lead, Total Lead, Dissolved	NA PREP NA PREP 7439-92-1 0.00140 7439-92-1 <0.0002	N/A N/A mg/L 00 mg/L	H-12 H-12 U,FILT1,H-12	NR N/A NR N/A NR mg/L NR mg/L	NA NA 0.000200 0.000200	N/A mg/L mg/L	NA NA EPA 200.8 EPA 200.8 (Diss)	Apex Laboratories Apex Laboratories Apex Laboratories Apex Laboratories	A4B1594-03 A4B1594-03 A4B1594-03 A4B1594-03	2024/02/29 2024/02/29 2024/03/12 2024/03/12	08:48 08:48 14:04 11:49	Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons
SW 12 WALTA VISTA2024/02/2811:30SW 12 WALTA VISTA2024/02/2811:30SW 12 WALTA VISTA2024/02/2811:30	PST Water PST Water PST Water	Sample-Routine Sample-Routine Sample-Routine	SW 12 WALTA VISTA:202402281130:SR Composite SW 12 WALTA VISTA:202402281130:SR Composite SW 12 WALTA VISTA:202402281130:SR Composite	Magnesium, Total Nitrate-Nitrogen, Total Orthophosphate Phosphorus, Total	7439-95-4 3.72 7727-37-9 0.717 264888-19-9 0.0372	mg/L mg/L mg/L		NR mg/L NR mg/L NR mg/L	0.150 0.250 0.0200	mg/L mg/L mg/L	EPA 200.8 EPA 300.0 SM 4500-P E	Apex Laboratories Apex Laboratories Apex Laboratories	A4B1594-03 A4B1594-03 A4B1594-03	2024/03/12 2024/02/28 2024/03/01	14:04 21:13 10:01	
SW 12 WALTA VISTA 2024/02/28 11:30 SW 12 WALTA VISTA 2024/02/28 11:30	PST Water PST Water PST Water	Sample-Routine Sample-Routine Sample-Routine Sample-Routine	SW 12 WALTA VISTA:202402281130:SR Composite SW 12 WALTA VISTA:202402281130:SR Composite SW 12 WALTA VISTA:202402281130:SR Composite SW 12 WALTA VISTA:202402281130:SR Composite	pH, Total pH Temperature (deg C), Total Phosphorus, Total Total Dissolved Solids, Total	pH7.7pH Temp20.37723-14-00.100TDS69.0	pH Units pH Units mg/L mg/l	H-12 H-12	NR pH Units NR pH Units NR mg/L NR mg/L	0.100	0.1 pH Units 0.1 pH Units mg/L mg/L	SM 4500-H+ B SM 4500-H+ B SM 4500-P E SM 2540 C	Apex Laboratories Apex Laboratories Apex Laboratories	A4B1594-03 A4B1594-03 A4B1594-03 A4B1594-03	2024/02/28 2024/02/28 2024/03/06 2024/03/06	18:29 18:29 16:46 18:28	Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons
SW 12 WALTA VISTA2024/02/2811:30SW 12 WALTA VISTA2024/02/2811:30SW 12 WALTA VISTA2024/02/2811:30SW 12 WALTA VISTA2024/02/2811:30	PST Water PST Water PST Water PST Water	Sample-Routine Sample-Routine Sample-Routine Sample-Routine	SW 12 WALTA VISTA:202402281130:SR Composite SW 12 WALTA VISTA:202402281130:SR Composite SW 12 WALTA VISTA:202402281130:SR Composite SW 12 WALTA VISTA:202402281130:SR Composite	Total Dissolved Solids, Total Total Suspended Solids, Total Zinc, Dissolved Zinc, Total	TDS 69.0 TSS 16.0 7440-66-6 0.0231 7440-66-6 0.0486	mg/L mg/L mg/L mg/l	TSS FILT1,H-12	NR mg/L NR mg/L NR mg/L NR mg/L	5.00 5.00 0.00400 0.00400	mg/L mg/L mg/L mg/l	SM 2540 C SM 2540 D EPA 200.8 (Diss) EPA 200.8	Apex Laboratories Apex Laboratories Apex Laboratories Apex Laboratories	A4B1594-03 A4B1594-03 A4B1594-03RE1 A4B1594-03	2024/03/06 2024/03/04 2024/03/13 2024/03/12	18:28 18:56 15:57 14:04	Dried residue was less than 2.5mg as specified in the method. Results meet regulatory Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons
SW 12 WALTA VISTA2024/04/0811:15SW 12 WALTA VISTA2024/04/0811:15SW 12 WALTA VISTA2024/04/0811:15	PDTWaterPDTWaterPDTWater	Sample-Routine Sample-Routine Sample-Routine	SW 12 WALTA VISTA:202404081115:SR Composite SW 12 WALTA VISTA:202404081115:SR Composite SW 12 WALTA VISTA:202404081115:SR Composite	Ammonia as N, Total Biochemical Oxygen Demand, Total Biochemical Oxygen Demand, Total	NH40.0240BOD57.47BOD57.47	mg/L mg/L mg/L	B,B, B-06 B,B, B-06	NR mg/L NR mg/L NR mg/L	0.0200 2.17 2.17	mg/L mg/L mg/L	SM 4500-NH3 G SM 5210 B SM 5210 B	Apex Laboratories Apex Laboratories Apex Laboratories Apex Laboratories	A4D1018-03 A4D1018-03 A4D1018-03	2024/04/09 2024/04/15 2024/04/15	12:54 13:07 13:07	Analyte detected in an associated blank at a level above the MRL. (See Notes and Conv Oxygen drop for dilution water was above the acceptance limit and could contribute to
SW 12 WALTA VISTA2024/04/0811:15SW 12 WALTA VISTA2024/04/0811:15SW 12 WALTA VISTA2024/04/0811:15	PDT Water PDT Water PDT Water	Sample-Routine Sample-Routine Sample-Routine	SW 12 WALTA VISTA:202404081115:SR Composite SW 12 WALTA VISTA:202404081115:SR Composite SW 12 WALTA VISTA:202404081115:SR Composite	Calcium, Total Copper, Total Copper, Dissolved	7440-70-2 18.3 7440-50-8 0.0022 7440-50-8 <0.0020	0.	U,FILT1, H-12	NR mg/L NR mg/L NR mg/L	0.600 0.00200 0.00200	mg/L mg/L mg/L	EPA 200.8 EPA 200.8 EPA 200.8 (Diss)	Apex Laboratories Apex Laboratories Apex Laboratories	A4D1018-03RE1 A4D1018-03 A4D1018-03	2024/04/22 2024/04/18 2024/04/10	21:38 15:26 00:12	
SW 12 WALTA VISTA2024/04/0811:15SW 12 WALTA VISTA2024/04/0811:15SW 12 WALTA VISTA2024/04/0811:15SW 12 WALTA VISTA2024/04/0811:15	PDTWaterPDTWaterPDTWaterPDTWater	Sample-Routine Sample-Routine Sample-Routine Sample-Routine	SW 12 WALTA VISTA:202404081115:SR Composite SW 12 WALTA VISTA:202404081115:SR Composite SW 12 WALTA VISTA:202404081115:SR Composite SW 12 WALTA VISTA:202404081115:SR Composite	E. coli, Total Hardness, Total HEM (Oil and Grease), Total Lab Filtration (prep only)REMOVE	E.coli 261 HARD 74.0 HEM <5.15 NA PREP	MPN/100 mL mg CaCO3/L mg/L N/A	U,O-01 H-12	NR MPN/10 NR mg CaCO NR mg/L NR N/A		MPN/100 mL mg CaCO3/L mg/L N/A	SM 9223 B SM 2340B EPA 1664B NA	Apex LaboratoriesApex LaboratoriesApex LaboratoriesApex Laboratories	A4D1018-03 A4D1018-03 A4D1018-03 A4D1018-03	2024/04/09 2024/04/22 2024/04/16 2024/04/15	15:58 21:38 10:35 10:14	Result for total Hexane Extractable Material (HEM) is below reporting level for this san PREP
SW 12 WALTA VISTA2024/04/0811:15SW 12 WALTA VISTA2024/04/0811:15SW 12 WALTA VISTA2024/04/0811:15	PDTWaterPDTWaterPDTWater	Sample-Routine Sample-Routine Sample-Routine	SW 12 WALTA VISTA:202404081115:SR Composite SW 12 WALTA VISTA:202404081115:SR Composite SW 12 WALTA VISTA:202404081115:SR Composite	Lab Filtration (prep only)REMOVE Lead, Total Lead, Dissolved	NAPREP7439-92-10.000307439-92-1<0.0002	N/A 2 mg/L	H-12 H-12 U,FILT1,H-12	NR N/A NR mg/L NR mg/L	NA NA 0.000200 0.000200	N/A mg/L mg/L	NA NA EPA 200.8 EPA 200.8 (Diss)	Apex Laboratories Apex Laboratories Apex Laboratories Apex Laboratories	A4D1018-03 A4D1018-03RE1 A4D1018-03RE1	2024/04/15 2024/04/22 2024/04/18	10:14 21:38 13:19	Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons
SW 12 WALTA VISTA2024/04/0811:15SW 12 WALTA VISTA2024/04/0811:15SW 12 WALTA VISTA2024/04/0811:15	PDTWaterPDTWaterPDTWater	Sample-Routine Sample-Routine Sample-Routine	SW 12 WALTA VISTA:202404081115:SR Composite SW 12 WALTA VISTA:202404081115:SR Composite SW 12 WALTA VISTA:202404081115:SR Composite	Magnesium, Total Nitrate-Nitrogen, Total Orthophosphate Phosphorus, Total	7439-95-4 6.84 7727-37-9 0.851 264888-19-9 0.0462	mg/L mg/L mg/L		NR mg/L NR mg/L NR mg/L	0.150 0.250 0.0200	mg/L mg/L mg/L	EPA 200.8 EPA 300.0 SM 4500-P E	Apex Laboratories Apex Laboratories Apex Laboratories	A4D1018-03 A4D1018-03 A4D1018-03	2024/04/18 2024/04/09 2024/04/09	15:26 15:45 12:32	
SW 12 WALTA VISTA2024/04/0811:15SW 12 WALTA VISTA2024/04/0811:15SW 12 WALTA VISTA2024/04/0811:15SW 12 WALTA VISTA2024/04/0811:15	PDTWaterPDTWaterPDTWaterPDTWater	Sample-Routine Sample-Routine Sample-Routine Sample-Routine	SW 12 WALTA VISTA:202404081115:SR Composite SW 12 WALTA VISTA:202404081115:SR Composite SW 12 WALTA VISTA:202404081115:SR Composite SW 12 WALTA VISTA:202404081115:SR Composite	pH, Total pH Temperature (deg C), Total Phosphorus, Total Total Dissolved Solids, Total	pH7.4pH Temp23.97723-14-00.112TDS136	pH Units pH Units mg/L mg/L	H-12 H-12	NR pH Units NR pH Units NR mg/L NR mg/L		0.1 pH Units 0.1 pH Units mg/L mg/L	SM 4500-H+ B SM 4500-H+ B SM 4500-P E SM 2540 C	Apex LaboratoriesApex LaboratoriesApex LaboratoriesApex Laboratories	A4D1018-03 A4D1018-03 A4D1018-03 A4D1018-03	2024/04/08 2024/04/08 2024/04/16 2024/04/09	18:06 18:06 17:24 18:07	Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons
SW 12 WALTA VISTA2024/04/0811:15SW 12 WALTA VISTA2024/04/0811:15	PDT Water PDT Water PDT Water PDT Water	Sample-Routine Sample-Routine Sample-Routine	SW 12 WALTA VISTA:202404081115:SR Composite SW 12 WALTA VISTA:202404081115:SR Composite SW 12 WALTA VISTA:202404081115:SR Composite	Total Suspended Solids, Total Zinc, Dissolved Zinc, Total	TDS 136 TSS 5.00 7440-66-6 0.0186 7440-66-6 0.0270	mg/L mg/L mg/L	TSS FILT1,H-12	NR mg/L NR mg/L NR mg/L	5.00 0.00400 0.00400	mg/L mg/L mg/L	SM 2540 D EPA 200.8 (Diss) EPA 200.8	Apex Laboratories Apex Laboratories Apex Laboratories Apex Laboratories	A4D1018-03 A4D1018-03RE1 A4D1018-03	2024/04/15 2024/04/18 2024/04/18	12:12 13:19 15:26	Dried residue was less than 2.5mg as specified in the method. Results meet regulatory Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons
SW 12 WALTA VISTA 2024/04/08 11:15 SW 15 FAIROAKS 2023/12/05 10:25	PST Water	Sample-Routine	SW 15 FAIROAKS:202312051025:SR Composite	Ammonia as N, Total	NH4 <0.020	mg/L			0.0200	1.	SM 4500-NH3 G	Apex Laboratories	A3L0845-03	2023/12/08	17:47	





Calcium, Total Copper, Dissolved	7440-70-2 7440-50-8
Copper, Total coli, Total	7440-50-8 E.coli
lardness, Total	HARD
IEM (Oil and Grease), Total ab Filtration (prep only)REMOVE	HEM NA
ab Filtration (prep only)REMOVE ead, Total	NA 7439-92-1
ead, Dissolved	7439-92-1
∕lagnesium, Total Nitrate-Nitrogen, Total	7439-95-4 7727-37-9
Drthophosphate Phosphorus, Total DH, Total	264888-19-9 pH
H Temperature (deg C), Total	pH Temp 7723-14-0
Phosphorus, Total Fotal Dissolved Solids, Total	TDS
otal Suspended Solids, Total Inc, Dissolved	TSS 7440-66-6
Linc, Total Ammonia as N, Total	7440-66-6 NH4
Biochemical Oxygen Demand, Total	BOD5
Calcium, Total Copper, Total	7440-70-2 7440-50-8
Copper, Dissolved coli, Total	7440-50-8 E.coli
lardness, Total IEM (Oil and Grease), Total	HARD HEM
ab Filtration (prep only)REMOVE	NA
ab Filtration (prep only)REMOVE ead, Total	NA 7439-92-1
.ead, Dissolved ⁄Iagnesium, Total	7439-92-1 7439-95-4
litrate-Nitrogen, Total	7727-37-9
Orthophosphate Phosphorus, Total oH, Total	264888-19-9 рН
oH Temperature (deg C), Total Phosphorus, Total	pH Temp 7723-14-0
otal Dissolved Solids, Total otal Suspended Solids, Total	TDS TSS
inc, Dissolved	7440-66-6
inc, Total Ammonia as N, Total	7440-66-6 NH4
Biochemical Oxygen Demand, Total Calcium, Total	BOD5 7440-70-2
Copper, Dissolved	7440-50-8
Copper, Total coli, Total	7440-50-8 E.coli
lardness, Total IEM (Oil and Grease), Total	HARD HEM
ab Filtration (prep only)REMOVE	NA NA
ab Filtration (prep only)REMOVE ead, Total	7439-92-1
ead, Dissolved Aagnesium, Total	7439-92-1 7439-95-4
Nitrate-Nitrogen, Total Orthophosphate Phosphorus, Total	7727-37-9 264888-19-9
oH, Total	рН
oH Temperature (deg C), Total Phosphorus, Total	рН Тетр 7723-14-0
otal Dissolved Solids, Total otal Suspended Solids, Total	TDS TSS
inc, Dissolved inc, Total	7440-66-6 7440-66-6
Ammonia as N, Total	NH4
Biochemical Oxygen Demand, Total Calcium, Total	BOD5 7440-70-2
Copper, Dissolved Copper, Total	7440-50-8 7440-50-8
. coli, Total	E.coli
lardness, Total IEM (Oil and Grease), Total	HARD HEM
ab Filtration (prep only)REMOVE ab Filtration (prep only)REMOVE	NA
and Total	NA
ead, Total ead. Dissolved	7439-92-1
ead, Dissolved Magnesium, Total	7439-92-1 7439-92-1 7439-95-4
ead, Dissolved	7439-92-1 7439-92-1
ead, Dissolved Magnesium, Total Nitrate-Nitrogen, Total Orthophosphate Phosphorus, Total oH, Total	7439-92-1 7439-92-1 7439-95-4 7727-37-9
ead, Dissolved Magnesium, Total Nitrate-Nitrogen, Total Orthophosphate Phosphorus, Total OH, Total OH Temperature (deg C), Total Phosphorus, Total	7439-92-1 7439-92-1 7439-95-4 7727-37-9 264888-19-9 pH pH Temp 7723-14-0
ead, Dissolved Magnesium, Total Nitrate-Nitrogen, Total Orthophosphate Phosphorus, Total OH, Total OH Temperature (deg C), Total Phosphorus, Total Fotal Dissolved Solids, Total Fotal Suspended Solids, Total	7439-92-1 7439-92-1 7439-95-4 7727-37-9 264888-19-9 pH pH Temp 7723-14-0 TDS TSS
ead, Dissolved Magnesium, Total Nitrate-Nitrogen, Total Orthophosphate Phosphorus, Total OH, Total OH Temperature (deg C), Total Phosphorus, Total Fotal Dissolved Solids, Total	7439-92-1 7439-92-1 7439-95-4 7727-37-9 264888-19-9 pH pH Temp 7723-14-0 TDS
ead, Dissolved Magnesium, Total Nitrate-Nitrogen, Total Orthophosphate Phosphorus, Total OH, Total OH Temperature (deg C), Total Phosphorus, Total Total Dissolved Solids, Total Total Suspended Solids, Total Cinc, Dissolved Cinc, Total Ammonia as N, Total	7439-92-1 7439-92-1 7439-95-4 7727-37-9 264888-19-9 pH pH Temp 7723-14-0 TDS TSS 7440-66-6 7440-66-6 NH4
ead, Dissolved Magnesium, Total Nitrate-Nitrogen, Total Orthophosphate Phosphorus, Total OH, Total OH Temperature (deg C), Total Phosphorus, Total Total Dissolved Solids, Total Total Suspended Solids, Total Cinc, Dissolved Cinc, Total Ammonia as N, Total Siochemical Oxygen Demand, Total Calcium, Total	7439-92-1 7439-92-1 7439-95-4 7727-37-9 264888-19-9 pH pH Temp 7723-14-0 TDS TSS 7440-66-6 7440-66-6 NH4 BOD5 7440-70-2
ead, Dissolved Magnesium, Total Nitrate-Nitrogen, Total Orthophosphate Phosphorus, Total OH, Total H Temperature (deg C), Total Phosphorus, Total Total Dissolved Solids, Total Total Suspended Solids, Total Cotal Suspended Solids, Total Cinc, Dissolved Cinc, Total Ammonia as N, Total Biochemical Oxygen Demand, Total Calcium, Total Copper, Total Copper, Dissolved	7439-92-1 7439-92-1 7439-95-4 7727-37-9 264888-19-9 pH pH Temp 7723-14-0 TDS TSS 7440-66-6 7440-66-6 NH4 BOD5 7440-70-2 7440-50-8 7440-50-8
ead, Dissolved Magnesium, Total Nitrate-Nitrogen, Total Orthophosphate Phosphorus, Total OH, Total OH Temperature (deg C), Total Phosphorus, Total Total Dissolved Solids, Total Total Suspended Solids, Total Cinc, Dissolved Cinc, Total Ammonia as N, Total Biochemical Oxygen Demand, Total Calcium, Total Copper, Total	7439-92-1 7439-92-1 7439-95-4 7727-37-9 264888-19-9 pH pH Temp 7723-14-0 TDS TSS 7440-66-6 7440-66-6 NH4 BOD5 7440-70-2 7440-50-8
ead, Dissolved Magnesium, Total Mitrate-Nitrogen, Total Orthophosphate Phosphorus, Total Off, Total H Temperature (deg C), Total Phosphorus, Total Total Dissolved Solids, Total Total Suspended Solids, Total Total Suspended Solids, Total Cotal Suspended Solids, Total Copper, Total Copper, Total Copper, Dissolved Cotal Suspended Solids, Total Copper, Dissolved Copper, Dissolved Cotal Suspended Solids, Total Copper, Total Copper, Total Copper, Total Copper, Total Copper, Total Copper, Total Copper, Total Copper, Total	7439-92-1 7439-92-1 7439-95-4 7727-37-9 264888-19-9 pH pH Temp 7723-14-0 TDS TSS 7440-66-6 7440-66-6 NH4 BOD5 7440-70-2 7440-50-8 7440-50-8 E.coli
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ead, Dissolved Magnesium, Total Mitrate-Nitrogen, Total Orthophosphate Phosphorus, Total Ofthophosphate Phosphorus, Total Off Temperature (deg C), Total Phosphorus, Total Total Dissolved Solids, Total Total Suspended Solids, Total Total Suspended Solids, Total Total Suspended Solids, Total Cotal Suspended Solids, Total Cinc, Dissolved Cinc, Total Mimonia as N, Total Biochemical Oxygen Demand, Total Calcium, Total Copper, Total Copper, Dissolved Cinc, Total Hardness, Total HeM (Oil and Grease), Total Ab Filtration (prep only)REMOVE Ab Filtration (prep only)REMOVE Agnesium, Total Nitrate-Nitrogen, Total Orthophosphate Phosphorus, Total Ofthophosphate Solids, Total Chosphorus, Total Diff Dissolved Solids, Total Total Dissolved Solids, Total	7439-92-1 7439-92-1 7439-95-4 7727-37-9 264888-19-9 pH pH Temp 7723-14-0 TDS TSS 7440-66-6 7440-66-6 7440-66-6 7440-66-6 NH4 BOD5 7440-70-2 7440-50-8 7439-92-1 7440-1 7439-1 7439-1 7439-1 7440-1 7439-1 7440-1 7440-1 7440-1 7440-1 7440-1 7440-1 7440-1 7440-1 7440-1 7440-1 7440-1 7440-1 7440-1 7440-1 7440-1 7440-1 7440-1 7440-1 7440-1 7
ead, Dissolved Magnesium, Total Nitrate-Nitrogen, Total Orthophosphate Phosphorus, Total Off, Total Off Temperature (deg C), Total Phosphorus, Total Total Dissolved Solids, Total Total Dissolved Solids, Total Total Suspended Solids, Total Total Suspended Solids, Total Total Suspended Solids, Total Cinc, Dissolved Cinc, Total Ammonia as N, Total Biochemical Oxygen Demand, Total Calcium, Total Copper, Total Copper, Dissolved E. coli, Total Hardness, Total Hardness, Total HEM (Oil and Grease), Total Ab Filtration (prep only)REMOVE ead, Total ead, Dissolved Magnesium, Total Orthophosphate Phosphorus, Total Off, Total Off Temperature (deg C), Total Phosphorus, Total Total Dissolved Solids, Total Total Dissolved Solids, Total Total Dissolved Cotal Suspended Solids, Total Cotal Suspended Solids, Total Cinc, Dissolved Cinc, Total	7439-92-1 7439-92-1 7439-95-4 7727-37-9 264888-19-9 pH pH Temp 7723-14-0 TDS TSS 7440-66-6 NH4 BOD5 7440-66-6 NH4 BOD5 7440-70-2 7440-50-8 E.coli HARD HEM NA NA 7439-92-1 7440-66-6
ead, Dissolved Magnesium, Total Nitrate-Nitrogen, Total Orthophosphate Phosphorus, Total OH, Total OH Temperature (deg C), Total Phosphorus, Total Total Dissolved Solids, Total Total Suspended Solids, Total Total Suspended Solids, Total Total Suspended Solids, Total Cotal Suspended Solids, Total Total Suspended Solids, Total Cotal Suspended Solids, Total Conc, Total Ammonia as N, Total Biochemical Oxygen Demand, Total Calcium, Total Copper, Dissolved E. coli, Total HeM (Oil and Grease), Total Adrdness, Total HEM (Oil and Grease), Total Ab Filtration (prep only)REMOVE Lead, Total Cotal Suspended Solids, Total Orthophosphate Phosphorus, Total Of Total Orthophosphate Phosphorus, Total Of Temperature (deg C), Total Phosphorus, Total Total Dissolved Solids, Total Total Dissolved Solids, Total Cotal Suspended Solids, Total Cinc, Dissolved Cinc, Total Cotal Suspended Solids, Total Cinc, Dissolved Cinc, Total Cinc, Total Cinc, Total Cinc, Total Cinc, Total Cinc, Total Cinc, Total Cinc, Total Cincel Oxygen Demand, Total Cincel Oxygen Demand, Total	7439-92-1 7439-92-1 7439-95-4 7727-37-9 264888-19-9 pH pH Temp 7723-14-0 TDS TSS 7440-66-6 7440-66-6 7440-66-6 NH4 BOD5 7440-70-2 7440-50-8 7439-92-1 7440-66-6 7440-66-6 7440-66-6 7440-66-6 7440-66-6 7440-66-6
ead, Dissolved Magnesium, Total Nitrate-Nitrogen, Total Orthophosphate Phosphorus, Total OH, Total OH Temperature (deg C), Total Phosphorus, Total Total Dissolved Solids, Total Total Suspended Solids, Total Cotal Suspended Solids, Total Concernical Oxygen Demand, Total Calcium, Total Copper, Total Copper, Total Copper, Dissolved E. coli, Total HEM (Oil and Grease), Total Cab Filtration (prep only)REMOVE Lead, Total Lead, Dissolved Magnesium, Total Orthophosphate Phosphorus, Total OH Temperature (deg C), Total Phosphorus, Total Total Dissolved Solids, Total Total Dissolved Solids, Total Total Suspended Solids, Total Cotal Suspended Solids, Total	7439-92-1 7439-92-1 7439-95-4 7727-37-9 264888-19-9 pH pH Temp 7723-14-0 TDS TSS 7440-66-6 7440-66-6 NH4 BOD5 7440-70-2 7440-50-8 7440-50-8 7440-50-8 7440-50-8 7440-50-8 7440-50-8 E.coli HARD HEM NA NA 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-95-4 7727-37-9 264888-19-9 pH pH Temp 7723-14-0 TDS TSS 7440-66-6 7440-66-6 7440-66-6 NH4
ead, Dissolved Magnesium, Total Nitrate-Nitrogen, Total Orthophosphate Phosphorus, Total Off, Total Off Temperature (deg C), Total Phosphorus, Total Total Dissolved Solids, Total Total Suspended Solids, Total Total Suspended Solids, Total Cinc, Dissolved Cinc, Total Concern, Total Copper, Total Copper, Dissolved E. coli, Total Copper, Dissolved E. coli, Total HEM (Oil and Grease), Total Calcium, Total Copper, Dissolved E. coli, Total HEM (Oil and Grease), Total Cab Filtration (prep only)REMOVE Cab Filtration (prep only)REMOVE Cab Filtration (prep only)REMOVE Cad, Total Cotal Dissolved Magnesium, Total Orthophosphate Phosphorus, Total Off Temperature (deg C), Total Phosphorus, Total Cotal Dissolved Solids, Total Cotal Dissolved Solids, Total Cotal Dissolved Cinc, Total Cotal Suspended Solids, Total Cotal Suspended Solids, Total Cotal Suspended Solids, Total Cotal Copper, Dissolved Cinc, Total Copper, Dissolved Cinc, Total Copper, Dissolved Copper, Total	7439-92-17439-92-17439-95-47727-37-9264888-19-9pHpH Temp7723-14-0TDSTSS7440-66-6NH4BOD57440-50-87440-50-8E.coliHARDHEMNA7439-92-17439-92-17439-92-17439-92-17439-92-17439-92-17439-92-17439-92-17439-92-17439-92-17439-92-17439-92-17439-92-17439-92-17439-92-17439-92-17439-92-17440-66-6NHBOD57440-66-6NH4BOD57440-70-2
ead, Dissolved Magnesium, Total Witrate-Nitrogen, Total Orthophosphate Phosphorus, Total Ofthophosphate Phosphorus, Total Ofthophosphorus, Total Oftal Dissolved Solids, Total Total Dissolved Solids, Total Total Suspended Solids, Total Cotal Suspended Solids, Total Cinc, Dissolved Cinc, Total Ammonia as N, Total Biochemical Oxygen Demand, Total Calcium, Total Copper, Total Copper, Dissolved Cinc, Total Hardness, Total HeM (Oil and Grease), Total ab Filtration (prep only)REMOVE ead, Total ead, Dissolved Magnesium, Total Orthophosphate Phosphorus, Total Ofthophosphate Phosphorus, Total Oftal Dissolved Solids, Total Cotal Coxygen Demand, Total Cotal Coxygen Demand, Total Cotal Coxygen Demand, Total Copper, Dissolved Copper, Total Copper, Total	7439-92-1 7439-92-1 7439-95-4 7727-37-9 264888-19-9 pH pH Temp 7723-14-0 TDS TSS 7440-66-6 NH4 BOD5 7440-50-8 7440-50-8 7440-50-8 7440-50-8 7440-50-8 7440-50-8 7440-50-8 7440-50-8 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7440-66-6 7440-70-2 7440-66-6 7440-66-6 7440-66-6 7440-60-8 80D5 7440-70-2 7440-50-8
ead, Dissolved Magnesium, Total Mitrate-Nitrogen, Total Orthophosphate Phosphorus, Total Off, Total Off Temperature (deg C), Total Phosphorus, Total Total Dissolved Solids, Total Total Suspended Solids, Total Colicium, Total Biochemical Oxygen Demand, Total Calcium, Total Copper, Dissolved E. coli, Total Tardness, Total Tardness, Total Tetm (Oil and Grease), Total Ab Filtration (prep only)REMOVE tead, Total Dissolved Magnesium, Total Orthophosphate Phosphorus, Total Off, Total Differential Colds, Total Total Dissolved Solids, Total Total Dissolved Solids, Total Total Dissolved Solids, Total Cotal Suspended Solids, Total Cotal Suspended Solids, Total Cotal Dissolved Cinc, Total Cinc, Dissolved Cinc, Total Cinc, Dissolved Copper, Total Copper, Dissolved Copper, Total Copper, Dissolved Copper, Total Copper, Dissolved Copper, Total Copper, Dissolved Copper, Total Copper, Total Co	7439-92-1 7439-92-1 7439-95-4 7727-37-9 264888-19-9 pH pH Temp 7723-14-0 TDS 7440-66-6 7440-66-6 NH4 BOD5 7440-50-8 7440-50-8 7440-50-8 7440-50-8 7440-50-8 7440-50-8 7440-50-8 7440-50-8 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7440-50-8 TSS 7440-66-6 7440-66-6 7440-66-7 7440-60-8 RE-coli HARD HEM NA
ead, Dissolved Magnesium, Total Mitrate-Nitrogen, Total Orthophosphate Phosphorus, Total Off, Total Off Temperature (deg C), Total Phosphorus, Total Total Dissolved Solids, Total Total Suspended Solids, Total Coloremical Oxygen Demand, Total Calcium, Total Copper, Total Copper, Dissolved E. coli, Total Tardness, Total Tardness, Total Tet (Oil and Grease), Total Amovie (Oil and Grease), Total Ab Filtration (prep only)REMOVE Ead, Total Dissolved Magnesium, Total Orthophosphate Phosphorus, Total Off, Total Off Dissolved Solids, Total Phosphorus, Total Total Dissolved Solids, Total Total Suspended Solids, Total Total Suspended Solids, Total Cotal Dissolved Cinc, Total Cinc, Dissolved Cinc, Total Cinc, Dissolved Copper, Total Cinc, Total Copper, Dissolved Copper, Total Copper, Total C	7439-92-1 7439-92-1 7439-95-4 7727-37-9 264888-19-9 pH pHTemp 7723-14-0 TDS 7440-66-6 NH4 BOD5 7440-50-8 7440-50-8 E.coli HARD HEM NA 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7439-92-1 7440-50-8 E.coli HARD PH PH TDS TSS 7440-66-6 NH4 BOD5 7440-50-8 7440-50-8 7440-50-8 7440-50-8 7440-50-8 7440-50-8 7440-50-8 7440-50-8
ead, Dissolved Magnesium, Total Nitrate-Nitrogen, Total Orthophosphate Phosphorus, Total Ph, Total H Temperature (deg C), Total Phosphorus, Total Total Dissolved Solids, Total Total Suspended Solids, Total Conc, Total Ammonia as N, Total Biochemical Oxygen Demand, Total Calcium, Total Copper, Total Copper, Total Copper, Total Copper, Total HEM (Oil and Grease), Total Aardness, Total HEM (Oil and Grease), Total Ab Filtration (prep only)REMOVE ead, Total Augnesium, Total Nitrate-Nitrogen, Total Orthophosphate Phosphorus, Total Orthophosphate Phosphorus, Total Orthophosphate Phosphorus, Total Orthophosphate Solids, Total Total Dissolved Solids, Total Total Dissolved Solids, Total Total Suspended Solids, Total Total Suspended Solids, Total Cotal Dissolved Copper, Total Cotal Suspended Solids, Total Cotal Dissolved Copper, Total Cotal Suspended Solids, Total Cotal Suspended Solids, Total Cotal Suspended Solids, Total Cotal Suspended Solids, Total Cotal Dissolved Copper, Total Coli, Total Copper, Dissolved Copper, Total Coli, Total Copper, Total Coli, Total Copper, Total Co	7439-92-17439-92-17439-95-47727-37-9264888-19-9pHpH Temp7723-14-0TDSTSS7440-66-67440-66-6NH4BOD57440-70-27440-50-8264888-19-9pHPIPI7439-92-17439-92-17439-92-17439-95-47727-37-9264888-19-9pHPH Temp7723-14-0TDSTSS7440-66-67440-66-67440-66-77440-66-87440-50-82440-50-87440-50-8
ead, Dissolved Magnesium, Total Nitrate-Nitrogen, Total Orthophosphate Phosphorus, Total Ph, Total H Temperature (deg C), Total Phosphorus, Total Total Dissolved Solids, Total Total Suspended Solids, Total Conc, Total Ammonia as N, Total Biochemical Oxygen Demand, Total Calcium, Total Copper, Total Copper, Total Copper, Total Copper, Total Total Attration (prep only)REMOVE ead, Total Nitrate-Nitrogen, Total Orthophosphate Phosphorus, Total Nitrate-Nitrogen, Total Orthophosphate Phosphorus, Total Orthophosphate Phosphorus, Total Orthophosphate Phosphorus, Total Orthophosphate Solids, Total Total Dissolved Solids, Total Cotal Dissolved Solids, Total Ortal Dissolved Solids, Total Cotal Suspended Solids, Total Copper, Total Co	7439-92-17439-92-17439-95-47727-37-9264888-19-9pHpH Temp7723-14-0TDSTSS7440-66-6NH4BOD57440-70-27440-50-87440-50-8E.coliHARDHEMNA7439-92-17439-92-17439-92-17439-92-17439-92-17440-66-6NH4BOD57440-50-8E.coliHARDHEMNA7439-92-17440-66-67440-66-67440-66-67440-50-87440-50
ead, Dissolved Magnesium, Total Nitrate-Nitrogen, Total Orthophosphate Phosphorus, Total OH, Total OH Temperature (deg C), Total Phosphorus, Total Total Dissolved Solids, Total Total Suspended Solids, Total Conc, Total Ammonia as N, Total Biochemical Oxygen Demand, Total Calcium, Total Copper, Total Copper, Total Copper, Total Copper, Total Copper, Total Copper, Total Aardness, Total HEM (Oil and Grease), Total Ab Filtration (prep only)REMOVE ab Giltration (prep only)REMOVE ab Filtration (prep only)REMOVE ab Filtration (prep only)REMOVE ab Giltration (prep only)REMOVE ab Giltration (prep only)REMOVE ab Giltration (prep only)REMOVE ab Filtration (prep only)REMOVE ab Giltration (prep only)REMOVE ab Filtration (prep only)REMOVE ab Filt	7439-92-17439-92-17439-95-47727-37-9264888-19-9pHpH Temp7723-14-0TDSTSS7440-66-67440-66-67440-70-27440-50-87440-50-87440-50-87440-50-87440-50-87440-50-87439-92-17439-92-17439-92-17439-92-17439-92-17439-92-17440-66-6NH4BOD57440-66-6NH4BOD57440-66-6NH4BOD57440-50-8E.coliHARDHEMNA7439-92-17440-50-8E.coliHARDHEMNA7439-92-17440-50-8E.coliHARDHEMNA7439-92-1
ead, Dissolved Magnesium, Total Nitrate-Nitrogen, Total Orthophosphate Phosphorus, Total Ph, Total Ph Temperature (deg C), Total Phosphorus, Total Total Dissolved Solids, Total Total Suspended Solids, Total Conc, Total Ammonia as N, Total Biochemical Oxygen Demand, Total Calcium, Total Copper, Total Copper, Total Copper, Dissolved E. coli, Total HEM (Oil and Grease), Total Aardness, Total HEM (Oil and Grease), Total Ab Filtration (prep only)REMOVE ead, Total ead, Dissolved Magnesium, Total Orthophosphate Phosphorus, Total Ph Temperature (deg C), Total Phosphorus, Total Total Dissolved Solids, Total Total Dissolved Solids, Total Total Suspended Solids, Total Total Suspended Solids, Total Total Suspended Solids, Total Copper, Total Copper, Dissolved Copper, Total Copper, Total Copper, Total Copper, Total Copper, Total Copper, Total Copper, Total Copper, Total EM (Oil and Grease), Total Copper, Total Ex coli, Total Copper, Total Ex coli, Total Copper, Total Cop	7439-92-17439-92-17439-95-47727-37-9264888-19-9pHpH Temp7723-14-0TDSTSS7440-66-6NH4BOD57440-70-27440-50-82440-50-82440-50-82440-50-87440-50-87440-50-87440-50-87440-50-87439-92-17439-92-17439-92-17439-95-47727-37-9264888-19-9pHpH Temp7723-14-0TDSTSS7440-66-67440-66-67440-50-8E.coliHARDHEMNANA7439-92-17
ead, Dissolved Magnesium, Total Vitrate-Nitrogen, Total Orthophosphate Phosphorus, Total Ofthophosphate Phosphorus, Total Ofthophosphorus, Total Ortal Dissolved Solids, Total Total Suspended Solids, Total Total Suspended Solids, Total Cotal Suspended Solids, Total Cotal Suspended Solids, Total Cinc, Dissolved Cinc, Total Copper, Total Copper, Total Copper, Total Copper, Dissolved Cinc, Total Addition (prep only)REMOVE ead, Total Copper, Total Diffration (prep only)REMOVE ead, Total Copper, Total Copper, Total Copper, Total Copper, Total Copper, Dissolved Magnesium, Total Cotal Dissolved Magnesium, Total Cotal Dissolved Cinc, Total Copper, Dissolved Cinc, Total Copper, Dissolved Cinc, Total Copper, Dissolved Cinc, Total Copper, Total Copper, Total Copper, Total Copper, Total Copper, Total Copper, Total Copper, Total Cinc, Dissolved Cinc, Total Cinc, Total Copper, Total Copper, Total Copper, Total Cinc, Total Cinc, Total Cinc, Total Cinc, Total Copper, Total Copper, Total Copper, Total Copper, Total Copper, Total Copper, Total Copper, Total Copper, Total Cinc, Total Copper, Total Copper, Total Copper, Total Cinc, Total Cinc, Total Cinc, Total Cinc, Total Copper, Total Cinc, Total Copper, Total Cinc, Total Copper, Total Cinc, Total Cinc, Total Cinc, Total Copper, Total Cinc, Cinc, Cinc, Cinc, Cinc, Cinc, Cinc, Cinc, Tot	7439-92-17439-92-17439-95-47727-37-9264888-19-9pHpH Temp7723-14-0TDSTSS7440-66-6NH4BOD57440-50-87440-50-8264888-19-9pHPIPADD57440-50-87440-50-87440-50-87440-50-87440-50-87440-50-87440-50-87439-92-17439-92-17439-92-17439-92-17440-66-6NH4BOD57440-66-67440-66-6NH4BOD57440-50-8

7440-66-6

Zinc, Dissolved

Zinc*,* Total

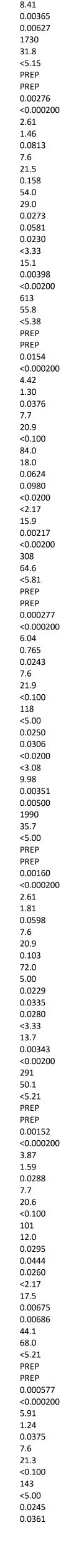
Field pH

Field CDC

Field LDO

Field Temperature

Calcium, Total



mg/L

MPN/100 mL

mg CaCO3/L

mg/L

mg/L

N/A

N/A

mg/l

mg/l

H-12

U,O-01

U,H-12

H-12

H-12

H-12

H-12

H-12

U,FILT1,H-12

U,FILT1,H-12

U,O-01

H-12

H-12

H-1

TSS

FILT1,H-12

FILT1, H-12

U,O-01

U,FILT1,H-12

H-12

H-12

H-12

H-12

U,TSS

H-12

U,O-0

H-12

H-12

H-12

H-12

EST s

U,FILT1,H-12

U,FILT1,H-12

U,O-01

H-12

H-12

H-12

FILT1,H-12

FILT1, H-12

U,O-0

H-12

H-12

H-12

H-12

Q-42

7 pH Units

159.6 mS/cm

11.85 mg/l

11.4 deg C

U,TSS

FILT1,H-12

U,FILT1,H-12

H-12

H-12

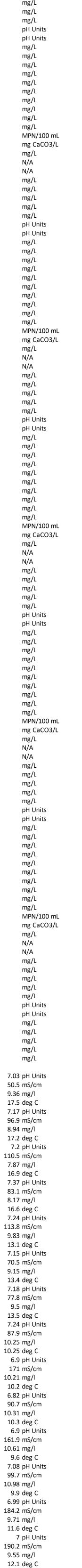
U,H-12

FILT1,H-12

H-12

MPN/100 mL

mg CaCO3/L



NR	mg/L mg/L	0.600 0.00200	1	mg/L mg/L
NR NR	mg/L MPN/100 mL	0.00200 1.00		mg/L MPN/100 r
NR NR	mg CaCO3/L mg/L	2.12 5.15	1	mg CaCO3, mg/L
NR NR	N/A N/A	NA NA	1	N/A N/A
NR NR NR	mg/L mg/L mg/L	0.000200 0.000200 0.150	1	mg/L mg/L mg/L
NR NR	mg/L mg/L	0.250	1	mg/L mg/L
NR NR	pH Units pH Units		0.1 p	oH Units oH Units
NR NR	mg/L mg/L	0.100 5.00	1	mg/L mg/L
NR NR	mg/L mg/L	5.00 0.00400	1	mg/L mg/L
NR NR	mg/L mg/L	0.00400 0.0200	1	mg/L mg/L
NR NR NR	mg/L mg/L mg/L	3.33 0.600 0.00200	1	mg/L mg/L mg/L
NR NR	mg/L MPN/100 mL	0.00200	I	mg/L MPN/100 r
NR NR	mg CaCO3/L mg/L	2.12	1	mg CaCO3 mg/L
NR NR	N/A N/A	NA NA	1	N/A N/A
NR NR	mg/L mg/L	0.000200 0.000200		mg/L mg/L
NR NR	mg/L mg/L	0.150 0.250	1	mg/L mg/L
NR NR NR	mg/L pH Units pH Units	0.0200	0.1 J	mg/L oH Units oH Units
NR NR	mg/L mg/L	0.100	1	mg/L mg/L
NR NR	mg/L mg/L	5.00 0.00400	I	mg/L mg/L
NR NR	mg/L mg/L	0.00400 0.0200		mg/L mg/L
NR NR	mg/L mg/L	2.17 0.600	1	mg/L mg/L
NR NR	mg/L mg/L	0.00200	1	mg/L mg/L
NR NR NR	MPN/100 mL mg CaCO3/L	1.00 2.12 5.81	1	MPN/100 r mg CaCO3
NR NR	mg/L N/A N/A	NA NA	١	mg/L N/A N/A
NR NR NR	mg/L mg/L	0.000200 0.000200	1	ng/L ng/L
NR NR	mg/L mg/L	0.150 0.250	1	mg/L mg/L
NR NR	mg/L pH Units	0.0200	ו 0.1 ו	mg/L oH Units
NR NR	pH Units mg/L	0.100	0.1 µ I	oH Units mg/L
NR NR	mg/L mg/L	5.00 5.00	1 1	mg/L mg/L
NR NR	mg/L mg/L	0.00400	1	mg/L mg/L
NR NR NB	mg/L mg/L mg/l	0.0200 3.08 0.600	1	mg/L mg/L mg/I
NR NR NR	mg/L mg/L mg/L	0.600 0.00200 0.00200	1	mg/L mg/L mg/L
NR NR	MPN/100 mL mg CaCO3/L	1.00 2.12	1	MPN/100 r mg CaCO3
NR NR	mg/L N/A	5.00 NA	1	mg/L N/A
NR NR	N/A mg/L	NA 0.000200	1	N/A mg/L
NR NR	mg/L mg/L	0.000200 0.150	1	mg/L mg/L
NR NR	mg/L mg/L	0.250 0.0200	1	mg/L mg/L
NR NR NR	pH Units pH Units mg/L	0.100	0.1	oH Units oH Units mg/L
NR	mg/L mg/L	5.00 5.00	1	mg/L mg/L
NR NR	mg/L mg/L	0.00400	1	mg/L mg/L
NR NR	mg/L mg/L	0.0200 3.33		mg/L mg/L
NR NR	mg/L mg/L	0.600 0.00200	1	mg/L mg/L
NR NR	mg/L MPN/100 mL	0.00200	1	mg/L MPN/100 r
NR NR NR	mg CaCO3/L mg/L N/A	2.12 5.21 NA	1	mg CaCO3 <u>,</u> mg/L N/A
NR NR	N/A N/A mg/L	NA NA 0.000200	١	N/A N/A mg/L
NR NR	mg/L mg/L	0.000200	I	mg/L mg/L
NR NR	mg/L mg/L	0.250	1	mg/L mg/L
NR NR	pH Units pH Units			oH Units oH Units
NR NR	mg/L mg/L	0.100	1	mg/L mg/L
NR NR	mg/L mg/L	5.00 0.00400	1	mg/L mg/L
NR NR NR	mg/L mg/L mg/L	0.00400 0.0200 2.17	1	mg/L mg/L mg/L
NR NR	mg/L mg/L	0.600	1	mg/L mg/L
NR	mg/L MPN/100 mL	0.00200	1	mg/L MPN/100 r
NR NR	mg CaCO3/L mg/L	2.12 5.21	1	mg CaCO3 mg/L
NR NR	N/A N/A	NA NA		N/A N/A
NR NR	mg/L mg/L	0.000200 0.000200	1	mg/L mg/L
NR NR	mg/L mg/L	0.150 0.250	1	mg/L mg/L
NR NR	mg/L pH Units	0.0200	0.1	mg/L pH Units pH Units
NR NR NR	pH Units mg/L mg/l	0.100	1	oH Units mg/L mg/I
NR NR NR	mg/L mg/L mg/L	5.00 5.00 0.00400	1	mg/L mg/L mg/L
NR	mg/L	0.00400		ng/L ng/L
NR NR	pH Units mS/cm	NR NR	I	oH Units mS/cm
NR NR	mg/l deg C	NR NR	(mg/l deg C
NR NR	pH Units mS/cm	NR NR	1	oH Units mS/cm mg/l
NR NR NR	mg/l deg C pH Units	NR NR NR	(mg/I deg C oH Units
NR NR	mS/cm mg/l	NR NR NR	I	mS/cm mg/l
NR NR	deg C pH Units	NR NR	(deg C oH Units
NR NR	mS/cm mg/l	NR	1	mS/cm mg/l
	deg C pH Units	NR NR	(deg C oH Units
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NR N	mg/l deg C pH Units mS/cm mg/l deg C pH Units mS/cm mg/l deg C pH Units mS/cm mg/l deg C pH Units mS/cm mg/l deg C pH Units mS/cm mg/l deg C pH Units mS/cm mg/l deg C pH Units mS/cm	NR NR	I I <t< td=""><td>mS/cm mg/l deg C oH Units mS/cm mg/l deg C oH Units mS/cm mg/l deg C oH Units mS/cm mg/l deg C oH Units mS/cm mg/l deg C oH Units mS/cm</td></t<>	mS/cm mg/l deg C oH Units mS/cm mg/l deg C oH Units mS/cm mg/l deg C oH Units mS/cm mg/l deg C oH Units mS/cm mg/l deg C oH Units mS/cm
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NR N	mg/l deg C pH Units mS/cm mg/l deg C pH Units mS/cm	NR	I I	mS/cm mg/l deg C oH Units mS/cm mg/l deg C oH Units mS/cm mg/l deg C oH Units mS/cm mg/l deg C oH Units mS/cm mg/l deg C oH Units mS/cm mg/l deg C oH Units mS/cm mg/l deg C oH Units mS/cm
NR NR	mg/l deg C pH Units mS/cm mg/l deg C pH Units mS/cm	NR	I I	mS/cm mg/l deg C oH Units mS/cm mg/l deg C oH Units mS/cm
NR NR	mg/ldeg CpH UnitsmS/cmmg/ldeg CpH Units	NR	I I	mS/cm mg/l deg C oH Units mS/cm mg/l deg C oH Units mS/cm
NR NR	mg/ldeg CpH UnitsmS/cmmg/ldeg CpH Units	NR	I I	mS/cm mg/l deg C oH Units mS/cm mg/l deg C oH Units mS/cm
NR NR	mg/ldeg CpH UnitsmS/cmmg/ldeg CpH UnitsmS/cm	NR	I I	mS/cm mg/l deg C oH Units mS/cm mg/l deg C oH Units mS/cm
NR NR	mg/ldeg CpH UnitsmS/cmmg/ldeg CpH Units	NR	I I	mS/cm mg/l deg C oH Units mS/cm mg/l deg C oH Units mS/cm



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PRFP

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	e Analysis	or Filtratio	on was	performe	ed >15	minutes	after	sampl	e collec	tion.	Со
•	•			•							
				• •						•	
PREP									-		
Sample	e Analysis	or Filtratio	on was	performe	ed >15	minutes	after	sampl	e collec	tion.	Co
•				•							
		alysis or Filtration was performed >15 min halysis or Filtration was performed >15 min due was less than 2.5mg as specified in the halysis or Filtration was performed >15 min halysis or Filtration was performed >15 min due was less than 2.5mg as specified in the halysis or Filtration was performed >15 min total Hexane Extractable Material (HEM) is halysis or Filtration was performed >15 min uts are reported as estimates when less th halysis or Filtration was performed >15 min total Hexane Extractable Material (HEM) is halysis or Filtration was performed >15 min halysis or Filtration was performed >15 min total Hexane Extractable Material (HEM) is halysis or Filtration was performed >15 min halysis or Filtration was performed >15 min					-				
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Solids	results ar	e reported	as esti	mates w	hen les	s than 2	2.5 mg	residu	ue is rec	overe	d d
Sample	e Analysis	or Filtrati	on was	performe	ed >15	minutes	after	sampl	e collec	tion.	Со
PREP					-				-		
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	for total I	Hexane Ex	tractab	le Materi	ial (HEN	И) is bel	ow rep	portin	g level fo	or this	5 52
PREP	e Analysis	or Filtratio	on was	performe	ed >15	minutes	after	sampl	e collec	tion.	Co

Result for total Hexane Extractable Material (HEM) is below reporting level for this san

Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons

Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons

Result for total Hexane Extractable Material (HEM) is below reporting level for this san

Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons

Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons Matrix Spike and/or Duplicate analysis was performed on this sample. % Recovery or R Dried residue was less than 2.5mg as specified in the method. Results meet regulatory Sample Analysis or Filtration was performed >15 minutes after sample collection. Cons

