



CLACKAMAS
WATER
ENVIRONMENT
SERVICES



NPDES MS4 Discharge Permit
Annual Report
For
Clackamas Water Environment Services and the Cities of
Happy Valley and Rivergrove

July 1, 2021 – June 30, 2022


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December 1, 2022

Clackamas Water Environment Services and the
Cities of Happy Valley and Rivergrove

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)
DISCHARGE PERMIT No. 101348

We, the undersigned, hereby submit this National Pollutant Discharge Elimination System (NPDES) Municipal Stormwater System Annual Report in accordance with NPDES Permit Number 101348. We certify under penalty of law that this document and all attachments were prepared under our direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on our 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 our knowledge and belief, true, accurate and complete. We are aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.


Greg Geist (Nov 28, 2022 18:36 PST)

Gregory L. Geist, Director
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Nov 28, 2022

Date


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Jason Tuck, City Manager
City of Happy Valley

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Date


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Heather L. Kibbey
City Manager / City Recorder
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Date

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SECTION 1 MS4 PERMIT REQUIREMENTS FOR ANNUAL REPORTING

This annual report provides a summary of MS4 Permit program implementation activities by Clackamas Water Environment Services (WES) and the Cities of Rivergrove and Happy Valley from July 1, 2021 to June 30, 2022. WES is a municipal partnership formed under ORS 190 by Clackamas County Service District No. 1 (CCSD#1), the Surface Water Management Agency of Clackamas County (SWMACC) and the Tri-City Service District governed by the Board of County Commissioners but a legally distinct entity from Clackamas County. WES administers MS4 activities within its service area as defined by the underlying boundaries of SWMACC and CCSD#1. On July 1, 2017, SWMACC transferred its assets and permit obligations to WES. CCSD#1 joined the municipal partnership on July 1, 2018. WES works closely within its service area with Clackamas County, which administers its own MS4 Stormwater Management Program and submits a separate annual compliance report. There are references throughout this document to Clackamas County's Department of Transportation and Development (DTD) where program elements are jointly implemented, and reported separately.

The Compliance Evaluation required in the 2021-2026 MS4 Permit's Schedule B(2) was conducted and our progress was evaluated in implementing SWMP control measures in Schedule A, and additional requirements in Schedules B and D. This annual report is the product of this evaluation.

Table 1 (below) includes submittal requirements for the 2021-22 MS4 Permit annual report in accordance with Schedule B.3 and the location in this document with the applicable program implementation information and data.

Table 1: MS4 Permit Annual Report Requirement Locations in Document

Summary of Schedule B(3) Requirements for 2021-22	Section Where Annual Report Requirement is Met:
<p>a. Status of implementing the stormwater management program and each control measure program element in Schedule A.3 including progress in meeting measurable goals and program tracking and assessment metrics identified in the SWMP as well as additional annual reporting requirements identified in each section, or, prior to DEQ's SWMP approval, measurable goals and tracking metrics approved under the previous permit's approved stormwater management plan.</p>	Section 1.1
<p>b. Summary of adaptive management implementation and changes or updates to programs made during the reporting year, including rationales for any proposed changes to the stormwater management program (e.g., new BMPs), and review new and historical monitoring data. Include discussion of the implications of or any findings related to recent years' adaptive management and/or changes made to the SWMP, based on data from tracking measures, measurable goals, and/or any monitoring relating to the change.</p>	Section 1.2
<p>c. Any proposed changes to SWMP program elements designed to reduce TMDL pollutants</p>	Section 1.3

Summary of Schedule B(3) Requirements for 2021-22	Section Where Annual Report Requirement is Met:
d. 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 1.4
e. Summary describing the number and nature of enforcement actions, inspections, and public education programs, including the results of ongoing field screening and follow-up activities related to illicit discharges.	Section 1.5
f. 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.	Section 1.6
g. Summary of total stormwater program expenditures and funding sources over the reporting fiscal year, and those anticipated in the next fiscal year.	Section 1.7
h. Summary of monitoring program results, including monitoring data that are accumulated throughout the reporting year submitted in the DEQ-approved Submission Template, and any assessments or evaluations of that data completed by the co-permittees or an authorized third party.	Section 1.8
i. Any proposed modifications to the monitoring plan that are necessary to ensure that adequate data and information are collected to conduct stormwater program assessments.	Section 1.9
j. An overview, as it relates to MS4 discharges, of concept planning, land use changes and new development activities (including the number of new post-construction permit issues) that occurred in the Urban Growth Boundary (UGB) expansion areas during the reporting year, and those forecast for the following year, where such data is available.	Section 1.10
k. Details of all corrective actions implemented associated with Schedule A.1.b.iii (for WQ exceedances) during the reporting year.	Section 1.11
l. Compliance with annual reporting requirements found in the following sections:	Section 1.12
<ul style="list-style-type: none"> • Schedule A.3.c.vii – Illicit Discharge Detection and Elimination 	1.12.a
<ul style="list-style-type: none"> • Schedule A.3.d.vii – Construction Site Runoff Control 	1.12.b
<ul style="list-style-type: none"> • Schedule A.3.e.viii – Post-Construction Site Runoff Program 	1.12.c
<ul style="list-style-type: none"> • Schedule A.3.f.v.c – Winter Maintenance 	1.12.d
<ul style="list-style-type: none"> • Schedule A.3.h.i – Hydro-modification Assessment and Stormwater Retrofit Strategy Updates 	1.12.e
<ul style="list-style-type: none"> • Schedule D.3.b – Mercury Minimization Assessment 	1.12.f

1.1 Schedule B.3.a. -- Status of implementing the stormwater management program and each control measure program element in Schedule A.3 including progress in meeting 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 DEQ's SWMP Document approval, measurable goals and tracking metrics approved under the previous permit's approved stormwater management plans.

Implementing Existing 2012 SWMPs with New Permit Until Shared SWMP Approved

Clackamas Water Environment Services (WES), under a partnership consisting of CCSD#1, SWMACC, the City of Happy Valley and the City of Rivergrove are submitting this annual report to comply with the current NPDES MS4 permit, which has been in effect since October 1, 2021.

WES and its partners are awaiting for DEQ's approval of the Shared Stormwater Management Program Document (SWMP Document), which was originally submitted in 2017 and, in order to comply with Section A.3.a, was recently updated to comply with the 2021 MS4 Permit's new requirements and submitted to DEQ in November 2022.

At this time, WES, the City of Happy Valley and the City of Rivergrove continue to implement the two existing 2012 Stormwater Management Plans (SWMP).

Appendix A presents the data and information for this annual report. This appendix includes the tracking measures and measurable goal status from Best Management Practices (BMPs) in the 2012 SWMPs. Appendix B has the water quality monitoring results.

1.2 Schedule B.3.b. -- Summary of adaptive management implementation and changes or updates to programs made during the reporting year, including rationales for any proposed changes to the stormwater management program (e.g., new BMPs), and review new and historical monitoring data. 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 relating to the change.

Ten years ago, our October 2012 "Outline for Adaptive Management Approach" reviewed BMP implementation and analyzed environmental monitoring data, and that adaptive management approach guides how we implement the current 2012 SWMPs, including MS4 activity in 2021-22.

Five years later WES and its co-permittees submitted the Shared MS4 Permit SWMP with its MS4 Permit renewal application package in February 2017. Currently, Clackamas County, WES, and the Cities of Rivergrove and Happy Valley implement their MS4 permit programs through three separate SWMPs.

To improve coordination and overall program effectiveness, WES and its co-permittees, created a single, combined, Shared MS4 Permit SWMP (Shared SWMP). To integrate the three SWMPs

into one Shared SWMP, WES led and adopted an extensive Adaptive Management-based process.

A substantial number of modifications were made to various BMPs (Best Management Practices) during the process of integrating the three existing SWMPs into the Shared SWMP. The Shared SWMP has many BMPs with new, improved measurable goals and tracking measures.

This process included a project kickoff meeting, three separate Workshops, three separate visioning sessions, and over a dozen other meetings to receive input and direction, which was subsequently used to determine the depth and breadth of the program described in the Shared SWMP.

Attendees at the Workshops, visioning sessions, and meetings included numerous staff from WES, Clackamas County's DTD and Business and Community Services (BCS), the City of Happy Valley and the City of Rivergrove.

WES completed a Gap Analysis in October 2016 which compared the Coordinated Participants' current SWMPs with requirements in the March 2012 MS4 permit to ensure that the February 2017 Shared SWMP fully complied with the MS4 permit.

1.3 Schedule B.3.c. -- Any proposed changes to SWMP program elements designed to reduce TMDL pollutants

As the three existing SWMPs were integrated into the Shared SWMP, many BMPs were modified, and several of these proposed modifications are expected to reduce levels of TMDL pollutants which are discharged. Examples include:

- Portions of some proposed Construction Site Runoff BMPs are expected to reduce levels of these pollutants in stormwater: total phosphorus (Tualatin River only), settleable volatile solids (Load Allocation for Tualatin River's dissolved oxygen TMDL), mercury, and DDT and dieldrin (Johnson Creek only)
- Portions of some proposed Post-Construction Site Runoff BMPs, and the Operation and Maintenance BMPs are expected to reduce levels of these pollutants in stormwater: E. coli, total phosphorus (Tualatin River only), settleable volatile solids (Load Allocation for Tualatin River's dissolved oxygen TMDL), mercury, and DDT and dieldrin (Johnson Creek only)

1.4 Schedule B.3.d. -- 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.

See Appendix A for data and information about progress toward or achievement of measurable goals and tracking measures in 2021-22.

The 2022 Shared SWMP and the process undertaken (as the Shared SWMP was created) enabled WES and its co-permittees to:

- Assess the public education / involvement portion of our program
- Make improvements to our existing program which are now codified in the 2022 Shared SWMP.

Adaptive Management

During the pandemic which has limited in-person educational opportunities, WES has increased its effective use of social media and other digital means such as Zoom to provide a wide variety of educational messages for students, customers and other stakeholders. WES takes advantage of the 27,000 followers Clackamas County has on its Facebook page, nearly 18,000 followers on its Twitter account, approximately 130,000 members on NextDoor, and more than 6,000 subscribers to WES updates via Constant Contact.

WES has also gathered insightful information via surveys of customers and other stakeholders to learn about their preferred channels for receiving educational information from WES. One example of this is our 2021 Clean Water Exchange Survey, which sought this and other types of information to strengthen our understanding of what customers and stakeholders value the most.

In addition to providing educational information and links to web pages with additional educational content for all ages, social media outreach has proven to be one of the most effective ways to engage, and even build relationships, with customers, partners, and the general public. In 2021-22, WES' educational content, which hundreds of thousands of people saw posted on social media, came with measurements of effectiveness available that far exceed the limitations of printed publications (usually limited to circulation statistics).

During this reporting period, WES employed a more precise measuring tool to gauge the effectiveness of its educational messages and articles on social media and, therefore, on WES' Public Education management strategies. The difference from years past is that WES can now report well beyond the name of the article and the size of the net cast on Facebook, NextDoor, and Twitter. Articles addressing certain BMPs (Alternatives to Pesticide, Herbicides, and Fertilizers and the Reporting of Illicit Discharges and Spills and Other Types of Improper Disposal of Materials), can be measured against three ascending levels of impact when collaborating with the public to protect our rivers and streams. They include:

- Impressions – The number of times public education content is displayed
- Reach – The total number of readers who see WES' social media content
- Engagement – This last level of content impact is new and offers insight to the highest form of reader interaction and involvement where the reader engages with the article by "liking" it, "sharing" it with others, or commenting on the content.

This last piece of information can provide deeper and more insightful measures on how effective WES has been in reaching its target audiences and garnering support. It may also reveal what adjustments to the delivery of messages and method used to ensure maximum community engagement and support with the goal of keeping our rivers clean now and well into the future.

1.5 Schedule B.3.e. -- Summary describing the number and nature of enforcement actions, inspections, and public education programs, including the results of ongoing field screening and follow-up activities related to illicit discharges.

In Appendix A, see BMP #12 for more information about our IDDE “public education” work and BMP #1 for more information about our IDDE program’s “ongoing field screening” work.

Table 2: Illicit Discharge Events

Report Date	Inspection Date	Incident Description, including follow-up activity	Enforcement action taken?
7/7/21	7/8/21	Spill: Complaint of oil spill on road in front of a house on SE King Way. Small amount of motor oil and granular absorbent near curb and storm drain. Catch basin was unaffected. Could not contact homeowner on day of inspection; four days later, on 7/12/21, WES instructed homeowner to sweep up and dispose of the absorbent.	No
8/2/21	8/2/21	Complaint of cloudy water in Johnson Creek near 70 th and Johnson Creek Boulevard. Found residual material in storm-line from a ruptured barrel of laminar adhesive. Had owner contact environmental cleanup company that cleaned and captured residual material from storm system.	Yes
8/31/21	9/1/21	The City of Happy Valley reported their contractor had allowed slurry seal to enter a catch basin near SE Poppy Drive and Denali. WES crews cleaned affected structures the next day.	No
9/15/21	9/15/21	DEQ referred complaint to WES regarding a mobile fleet washer directly discharging soapy wash water to a storm drain in a business park. WES staff contacted the client and the vendor to discuss proper procedures for washing fleet vehicles. WES required a written response from the mobile washing company’s general manager which the responsible party provided the following day.	Yes
10/5/21	10/6/21	Caller reported that there is a sheen on his road (SE Skyhigh Court) and in the cul-de-sac. Caller believed it to be gasoline from an unknown source. Some kind of utility truck was in the area that morning and storm drains were possibly affected.	No

Report Date	Inspection Date	Incident Description, including follow-up activity	Enforcement action taken?
		<p>WES staff investigated the following day and did not find any residual oils on the street, in catch basins or further down in the system. Rain is suspected to have carried the sheen through and out of the system.</p> <p>OERS Case No. 2021-2642</p>	
10/13/21	10/13/21	<p>Report of oil sheen on Kellogg Lake. Investigated to find tributary of Kellogg Cr. oiled by suppression flows from auto repair shop fire. This auto repair shop was not in the WES service area, although WES helped find it by following the oil upstream. Oily flows came down ODOT's storm system to discharge into deep ravine (Linder Creek), which entered Kellogg Lake.</p> <p>WES crews responded by placing absorbent booms in tributary. DEQ, ODOT and ODFW took primary role of response for this event.</p> <p>OERS Case No. 2021-2691</p>	No
11/4/21	11/5/21	<p>This was a non-point source pollution incident but is being provided as a courtesy to, and for the benefit of, DEQ.</p> <p>Spill: Resident of Riverview Mobile Estates reported an oil spill occurring on 11/4/21 that affected the private storm system in the park.</p> <p>Assisted the park maintenance person in investigating the system, but informed them WES had no authority to assist in cleanup. Urged them to contact the garbage truck's owners and request them to revisit the site to properly finish cleanup activities.</p> <p>OERS Case No. 2021-2876</p>	No
11/13/21	11/15/21	<p>Spill: Received OERS report of diesel fuel spill due to theft on SE Carpenter Drive. WES staff called the Business who stated during a fuel theft, diesel fuel was released to ground and estimated 25 gallons entered private storm drains on the property. Business contracted with an environmental cleanup company who cleaned all catch basins on the property on 11/13/21. Cleanup co. also checked manhole in street and found no evidence that fuel entered public system.</p>	No

Report Date	Inspection Date	Incident Description, including follow-up activity	Enforcement action taken?
		<p>On 11/15/21 WES followed up on cleaning activity and found small amount of fuel in storm system in SE Carpenter Drive. Left voicemail for business in effort to get the business to recall cleanup co. and finish cleanup.</p> <p>Heavy rain fell and washed the residual fuel through public storm system to Carli Creek facility. WES staff placed boom across step pools at the Carli site. Cleanup co. was brought back to clean an affected public stormwater hydrodynamic separator.</p> <p>OERS Case No. 2021-2956</p>	
12/2/2021	12/2/2021	<p>Spill: A car fire at SE Idleman and SE Champagne Lane released gasoline onto street. Two catch basins were affected along with curb line of both streets. Cleanup co. was contracted to clean catch basin and street. Cleanup performed the next day.</p> <p>OERS Case No. 2021-3077</p>	No
12/16/21	12/16/21	<p>Spill: OLWS staff reported an oil release to a catch basin near SE Whitcomb. WES crews found an unrecoverable amount of oil but placed absorbent pads in the basin in case rains washed oil into catch basin. Basin not affected at time of visit.</p>	No
1/10/2022	1/10/2022	<p>A home on SE Deremer Lane in Happy Valley was cross-connected to the storm system. Sanitary discharge flowed into a newly created storm pond in the development. The contractor anticipated that it would take two days to fix. The developer worked with the contractor to clean up the pond and remove contaminated material.</p> <p>WES inspected once completed and found on 1/11/22 that the cross connection was corrected; contractor worked on cleanup of affected storm pond.</p>	No
2/10/2022	2/10/2022	<p>Spill: Five gallons of paint spilled in back of truck at the Sunnyside Village Apartment complex on SE 145th Ave in Clackamas. Maintenance staff washed out the back of the truck onto the parking lot and wash-water entered storm drains and flowed into Rose Creek.</p> <p>WES staff responded by deploying booms in private pond and outfall leading to Rose Creek. Staff required the Rose Cr. apartment complex to clean the catch</p>	Yes

Report Date	Inspection Date	Incident Description, including follow-up activity	Enforcement action taken?
		basins in their parking lot. They completed this on 2/11/22.	
2/28/2022	2/28/2022	WES reported a 1,000 gallon release of wastewater from its Decant facility to an overflow detention pond. No sewage reached the MS4 and was cleaned up same day. OERS Case No. 2022-0479	No
5/5/22	5/6/22	Happy Valley resident reported excess algae running onto SE Hurse Lane from a drain pipe. WES staff investigated to find a sediment trail from a curb weep hole with the algae growing on the sediment (possible broken pipe). Contacted Happy Valley building official who referred algae growth to the City's Engineering Department that addresses flows located on the City's right of way.	No
5/6/2022	5/10/2022	DEQ forwarded WES its Pre Enforcement Notice to a trash compactor repair company for wash water discharged to a private storm drain flowing into the MS4. WES staff performed a site visit 5/10/22 and issued a written notice to cease the discharge of wash water to the storm system.	No
6/2/2022	6/9/2022	Report by WES staff of a grout-like material deposited in a stormwater swale along SE 84 th Avenue. WES staff contacted the property management company who traced incident back to workmen performing tenant improvements at a store. Responsible party cleaned up the material and provided photos on 6/14/22 to confirm that the cleanup had been completed.	No
6/7/22	6/7/22	Spill: A person was reported to have spilled or dumped oil in street and storm drain during a motor oil change of a pickup truck parked on SE Norma Circle. WES staff found fresh oil spots on the pavement, on the adjacent storm drain grate adjacent and some in the storm drain itself. Staff cleaned the grate and storm drain and placed a boom downstream to catch any residual.	No

Report Date	Inspection Date	Incident Description, including follow-up activity	Enforcement action taken?
		<p>Truck owner was a visiting out of state resident who, when contacted by WES, claimed that they had just accidentally spilled a small amount and had thought it was ok.</p> <p>WES educated truck owner on regulations and spill prevention/containment.</p>	
6/16/2022	6/16/2022	<p>Happy Valley Police Department forwarded complaint of dumping of concrete in a catch basin.</p> <p>WES staff inspected surrounding structures and assets, and found very little evidence of the reported material or of deliberate malice.</p> <p>Believed to be to be a dispute between contractors.</p>	No
6/22/2022	6/24/2022	<p>Spill: Investigated a complaint forwarded from DEQ about a business on SE For Mor Court whose machine lubricants could flow where they shouldn't in the event of rain. The complaint said "They have several machines stored outside leaking oil on the parking lot. When it rains it drains into the sewer drain. I delivered to the building next door and noticed it."</p> <p>Storm drain was not affected.</p> <p>Met with business to explain complaint and left written notice for business to cover machines with tarps and clean up oil spill areas with absorbent. Business complied within timeframe and covered machinery with tarps, placed absorbents and pads on affected areas, and pumped machines of liquids.</p>	Yes

1.6 Schedule B.3.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.

Screening for 1200Z permits applicability

WES, operating under the two DEQ-approved SWMPs from the previous MS4 permit (2012-2017), screened industrial facilities for the possibility to be subject to a 1200Z Industrial Stormwater permit during the previous permit term. After the proposed SWMP Document is

approved by DEQ, WES will begin screening industrial facilities for the 1200Z permit on an annual basis.

Categories Inspected

Categories of industrial/commercial facilities that WES inspected during the 21/22 reporting year included: Shopping Centers, Business Parks, Manufacturers, Car Washes, Freight Hubs, Medical Offices, Restaurants, Auto Service facilities, General Commercial/Retail, and Recyclers.

Overview of Inspection Results

During the 2021-22 reporting year, WES performed 100 inspections of Industrial and Commercial facilities. Of the 100, 51 were found to be in compliance with WES rules regarding stormwater discharges and maintenance of their private stormwater system and required no further interaction. The facilities that were found not in compliance with WES' rules were issued written Notices of Noncompliance and a timeline for completing corrections. Notices could be issued for as little as simple maintenance of catch basins or as significant as restoration of a stormwater management pond. Correction periods ranged from 60 days to up to 24 months to complete required remedies to bring the facility back into compliance. Please see BMPs #4 and #5 in Appendix A of this annual report for more information.

1.7 Schedule B.3.g -- Summary of total stormwater program expenditures and funding sources over the reporting fiscal year, and those anticipated in the next fiscal year.

WES and the City of Happy Valley dedicated sufficient resources to implement the Stormwater Management Program in 2021-22. WES dedicated over 21,700 employee hours or the equivalent of 12.7 full-time employees (FTEs) to the MS4 Permit program, to our Underground Injection Control WPCF Permit program, to our Willamette/Tualatin TMDL non-point source pollution programs, and to our flooding reduction/drainage improvement programs – all of which make up WES' Surface Water Program.

The City of Happy Valley has eight and a half FTEs in the Public Works Department and the Engineering Division who, in part, perform MS4 duties. The City of Happy Valley has five and a half FTEs in the Public Works Department who, in part, perform MS4 duties. In addition, WES is the service provider in the City of Rivergrove and, as a result, the City dedicates a sufficient but limited amount of staff time to implement the MS4 SWMP; therefore, the City's expenditures are not worth tracking or reporting in this section.

WES' Operating and Construction Fund resources, including Fund Balances, budgeted in the recent past, during the reporting period and in the current fiscal year, are in Table 3.

Table 3: Stormwater Resources and Requirements for WES

WES	2019-20 Actual	20-21 Actual	2021-22 Budget	2021-22 Estimate ¹	2022-23 Adopted
Resources	22,139,630	23,202,305	23,846,919	23,491,217	25,201,324
Materials & Services	4,244,759	4,436,257	6,211,141	4,817,798	5,794,380
Capital Outlay	716,375	720,126	1,092,000	960,000	990,000
Transfers	3,000,000	3,000,000	3,000,000	3,000,000	2,000,000
Contingency			1,308,000		1,213,500
Ending Fund Balance	14,178,496	15,045,922	12,235,778	14,713,419	15,203,444
Total Requirements	22,139,630	23,202,305	23,846,919	23,491,217	25,201,324

¹ "Estimated" year-end expenditures are not shown as "Actual" until the fiscal year closes.

Annual funding for the Stormwater Management Program for WES in FY 2021-22 came from four sources (unaudited numbers):

Monthly Stormwater Utility Fees	\$ 5,297,766
Maintenance Fees, paid Monthly	\$ 379,232
Systems Development Charges (SDCs)	\$ 138,311
Stormwater and Erosion Control Permit Fees	\$ 248,583

In 2021-22, customers in the North Clackamas unit of Rate Zone 2 (CCSD#1) paid a monthly program fee of \$7.75 per Equivalent Service Unit (ESU) and customers in Rate Zone 3 (SWMACC) paid a monthly fee of \$4.70 per ESU. An ESU is a single-family residence or 2,500 square feet of impervious surface for nonresidential customers. Fees were increased to \$8.15 per ESU in Rate Zone 2 and \$4.95 per ESU in Rate Zone 3, respectively, soon after this reporting period ended on June 30, 2022.

Newly constructed single-family residential properties in Rate Zone 2, since 1998, also paid a monthly maintenance agreement fee of \$3.00 per ESU which is dedicated for maintenance of local subdivision stormwater conveyance, detention, retention, treatment, and infiltration facilities.

Only a portion of Rate Zone 3 revenues come from the MS4-permitted area. Rate Zone 3 also includes:

1. A large, rural unincorporated area in the Tualatin River watershed
2. An area near the City of Rivergrove which is served by stormwater injection devices (i.e., drywells), which are regulated by a Stormwater WPCF permit.

WES collects System Development Charges from new development and dedicates those revenues to planning, design, and construction of additional stormwater infrastructure capacity needed to accommodate growth. The current SDC rate is \$220 per Equivalent Dwelling Unit and that rate increased to \$233 soon after this reporting period ended on June 30, 2022.

City of Happy Valley

MS4 Permit Program Funding Sources:

- **Permit fees for development** of land (plan review and inspection) are based upon the construction value of the project. In 2021-22, the City generated \$433,972.92 in fees from 23 land development permits. Only a portion of these \$433,972.92 were spent on the implementation of the MS4 Permit Program.
- Twenty Engineering **Erosion Control Permits** yielded \$23,600 in revenue in 2021-22. The City expects to receive a range from \$15,000 to \$20,000 in Erosion Control Permit revenue in 2022-23. The \$23,600 of MS4 permit program revenue is a subset of \$433,972.92.
- The Building Division collected \$147,200 in Erosion Control Permit fees to cover the cost of their erosion control inspections for 368 building permits.
- \$60,600 from the **Streets Maintenance** portion of the budget for street sweeping. Street sweeping is also conducted to improve road safety and for aesthetic reasons. An undefined portion of the \$60,600 was spent to improve stormwater quality.
- Approximately \$12,943.25 from the City of Happy Valley's **General Operating Budget** were spent by the City of Happy Valley during 2021-22 to administer the overall MS4 Permit Program (e.g., attendance at monthly Watershed Protection Program meetings, compiling data for this annual report). The City of Happy Valley expects to dedicate a similar amount of money from this portion of this budget during 2022-23 for administration of the overall MS4 Permit Program.

MS4 Permit Program Expenditures:

- **Street Sweeping Program:** The City of Happy Valley spent \$60,600 on their street sweeping program in 2021-22. The City of Happy Valley expects to spend a similar amount of money on street sweeping in 2022-23.
- **Erosion Control Program:** Erosion Control Permit fee revenue is spent by the City of Happy Valley to administer this program. The City spent approximately \$170,800 to administer this program in 2021-22 and the City expects to spend a similar amount in 2022-23.
- **MS4 Permit Program Administration:** Approximately \$12,943 were spent by the City of Happy Valley during 2021-22 to administer the overall MS4 Permit Program (e.g., attendance at monthly Watershed Protection Program meetings, compiling data for this annual report). The City of Happy Valley expects to spend a similar amount of money during 2022-23 for administration of the overall MS4 Permit Program.

1.8 Schedule B.3.h. -- Summary of monitoring program results, including monitoring data that are accumulated throughout the reporting year submitted in the DEQ-approved Submission Template, and any assessments or evaluations of that data completed by the co-permittees or an authorized third party.

See Appendix B for the summary of the monitoring program's results and for information about any assessments or evaluations which were conducted.

1.9 Schedule B.3.i. -- Any proposed modifications to the monitoring plan that are necessary to ensure that adequate data and information are collected to conduct stormwater program assessments

No additional modifications are proposed in this annual report. WES on behalf of Clackamas County, and the Cities of Rivergrove and Happy Valley participates in a combined Comprehensive Clackamas County NPDES MS4 Stormwater Monitoring Plan (Monitoring Plan). Other participants of this Monitoring Plan include, but are not limited to, the Cities of Milwaukie and Oregon City. This Monitoring Plan was revised most recently in January 2017 and was implemented on July 1, 2017. Please see the January 2017 Monitoring Plan for more information.

Note that this Monitoring Plan was recently revised in order to comply with numerous new requirements in the 2021-2026 MS4 Permit. This updated Monitoring Plan is expected to be submitted to DEQ in November 2022. If this updated Monitoring Plan is approved by DEQ in the near future, we expect to begin implementing it on July 1, 2023.

1.10 Schedule B.3.j. -- An overview, as it relates to MS4 discharges, of concept planning, land use changes and new development activities (including the number of new post-construction permits issued) that occurred in the Urban Growth Boundary (UGB) expansion areas during the reporting year, and those forecast for the following year, where such data is available.

Land Use Changes

- Number of zone changes approved in Happy Valley: 4
- Number of new residential building lots approved by partition, Subdivision, and planned unit development in Happy Valley: 137
- Number of Approved Zone Changes in Clackamas County¹: 3
- Number of New Land Partitions: 27
- Number of New Land Subdivisions: 3

¹ These land use statistics capture the entire unincorporated area of Clackamas County regulated by the MS4 permit, which is primarily comprised of lands in the Oak Lodge Water Services district and in the WES service area.

UGB Expansion

- The UGB was not expanded in or near the Cities of Happy Valley or Rivergrove, or any other portion of WES' MS4-permitted service area.

Land Annexations

- Acreage annexed into WES' SWM service area: 28.9
- Acreage de-annexed from WES' SWM service area: None
- Acreage annexed into the City of Happy Valley: 209.4

The Number of New Post-Construction Permits Issued and related information

- Number of development permits reviewed by Clackamas County²: 21
- Number of building division permits in Happy Valley: 368
- Number of engineering division development permits in Happy Valley: 13
- Total number of plans reviewed and approved by WES: 25
- Number of building division site plan reviews in Happy Valley: 368
- Number of engineering division site plan reviews in Happy Valley: 48
- Number of new units of multi-family housing approved in Happy Valley: 542
- Square feet of new commercial/office development approved in Happy Valley: 56,926

Estimated total new and replaced impervious surface area related to development projects

- 36.6 acres

When the lands described here were developed, post-construction stormwater management program requirements implemented by the City of Happy Valley, Clackamas County, and/or WES reduced storm sewer system pollution levels to the maximum extent practicable. For more information, see the post-construction program-related sections of this annual report.

City of Happy Valley

As discussed above, no UGB expansion occurred in the City of Happy Valley in 2021-22 and the UGB is not expected to be expanded in 2022-23. There were 209.4 acres annexed into the City of Happy Valley in 2021-22. With respect to annexations anticipated for 2022-23, the City is currently working on the Pleasant Valley North Carver Comprehensive Plan, which is approximately 2,700-acre plan area. The City is aiming to adopt the plan in 2023. When these lands are eventually urbanized, regulations are expected to be applied by the City of Happy Valley and WES (formerly CCSD#1) as properties are developed (to construct stormwater treatment systems, for example) which will reduce pollution levels to the maximum extent practicable.

² ibid

Clackamas County

No UGB expansion occurred in 2021-22 in or near the WES-Rivergrove-Happy Valley MS4 Permit area, nor is it expected to occur in 2022-23.

1.11 Schedule B.3.k. -- Details of all corrective actions implemented associated with Schedule A.1.b.iii (for Water Quality Standards) during the reporting year.

No corrective actions were implemented in 2021-2022.

1.12 Schedule B.3.l. -- Compliance with annual reporting requirements found in the following sections:

- Schedule A.3.c.vii – IDDE
- Schedule A.3.d.vii – Construction Site Runoff Control
- Schedule A.3.e.viii – Post-Construction Site Runoff Program
- Schedule A.3.f.v.c – Winter Maintenance
- Schedule A.3.h.i – Hydro-modification Assessment and Stormwater Retrofit Strategy Updates
- Schedule D.3.b – Mercury Minimization Assessment

WES and its co-permittees are required to summarize metrics to track and assess their progress with the Stormwater Management Program Control Measures. These other requirements are found in Table 4 and include the following:

Table 4: Other Compliance Requirements

Citation	Description	2021-22 Update
A.3.c.vii – IDDE	Tracking and Assessment: Track implementation of IDDE program requirements. In each corresponding Annual Report, co-permittees must summarize or report on metrics or tracking measures related to implementation of the program. The report should include updates regarding any capital improvements needed or implemented associated with the IDDE program.	See Appendix A for more data and information about the implementation of these BMPs.
A.3.d.vii – Construction Site Runoff Control	Tracking and Assessment: Routinely or continuously track all construction sites that result in a total land disturbance of equal to or greater than 1,000 square feet. The inventory must include relevant contact information for each project (name, address, phone, etcetera), the size of the project including area	WES tracks this information in its database software. For additional information, see BMPs in Appendix A, including BMP #9.

Citation	Description	2021-22 Update
	<p>and/or volume of disturbance, the date the co-permittees approved the ESCP in accordance with Schedule A.4.d.iii or in accordance with coverage under the 1200-CN permit as applicable, and whether any complaints have been received or inspections made.</p> <p>Co-permittees must also track implementation of all activities required by the Construction Site Runoff program. In each corresponding annual report, co-permittees must summarize metrics or tracking measures related to implementation of the program, which may include but is not limited to number of regulated construction projects, number of inspections, and number of enforcement actions.</p>	
A.3.e.viii – Post-Construction Site Runoff Program	Tracking and Assessment: Co-permittees must maintain records for activities conducted to meet the requirements of the Post-Construction Site Runoff program, and include a summary of their activities and report on metrics or tracking measures related to implementation of the program in the corresponding annual report.	WES already complies with this requirement. See Appendix A for more detail on the Post Construction BMPs which were implemented
A.3.f.v.c – Winter Maintenance	Tracking and Reporting: Winter Maintenance activities for streets and roads must be included as an element of the annual report beginning in the annual report due December 1, 2022 or no later than upon DEQ’s approval of the 2017 SWMP. Each year, the information needs to include but not limited to the following: a list of materials used, the number of winter weather events where maintenance materials are used, quantities and general location of each material used in relation to distance (for example,	<p>During winter/ice events, Happy Valley uses Magnesium Chloride for de-icing and applies sand to temporary increase traction on icy roads and surfaces. Within 10 days, the City removes the sand that remains.</p> <p>In 2021-22, the City applied 6,155 gallons of Magnesium Chloride and applied 182 yards of sand as a result of snow/ice events. Following the end of the snow/ice events, the City picked up 144 yards of sand within the required 10 days after the snow/ice events.</p>

Citation	Description	2021-22 Update
	pounds per mile), and any other actions taken to protect waters of the state for areas that data is available or becomes available during the permit term.	See Appendix A's BMP #20 (HV-CCSD#1 SWMP) for more data and information. Learn more about Clackamas County's Winter Maintenance work in DTD's 2021-22 MS4 Annual Report.
A.3.h.i – Hydro-modification Assessment and Stormwater Retrofit Strategy Updates	Co-Permittee are required to include in the third annual report of this permit term, an assessment of any outcomes related to the Hydro-modification Assessment and Stormwater Retrofit Strategy reports.	This requirement does not apply to this 2021-22 annual report. It will apply to our 2022-23 annual report, however.
Schedule D.3.b – Mercury Minimization Assessment	The following requirement is found in the 2021-2026 MS4 Permit's Schedule D(3)(b): Develop and submit a mercury minimization assessment with the annual report due December 1, 2022, that documents the current actions, such as BMPs implemented, that reduce the amount of solids discharged into and from the permitted MS4 system (similar to the actions currently required in Schedule A). If the assessment indicates that mercury and sediment reducing BMPs are fully incorporated into the SWMP Document, a report documenting the results as such is sufficient.	At the present time (November 2022), Clackamas County, Clackamas WES, and the Cities of Rivergrove and Happy Valley continue to implement three separate MS4 Permit Stormwater Management Plans (SWMPs) which were approved by DEQ in 2012. Each of these three SWMPs contain numerous effective BMPs which reduce the amount of solids and mercury which are discharged into and from the permitted MS4 system. The Construction Site Runoff Control BMPs (ie. Erosion and Sediment Control) are just one of many examples. The original Willamette River watershed mercury TMDL was issued as an order by DEQ in 2006. These three SWMPs were created to comply with the MS4 Permit which was renewed in 2012. In summary, these SWMPs were intentionally designed to reduce the amount of mercury which was discharged. Please see these three SWMPs for additional information about these BMPs. The revised Willamette River watershed mercury TMDL became effective in Feb. 2021. Updated sub-basin-specific Waste Load Allocations for mercury in MS4-permitted discharges are included in the revised TMDL. For example, in the WLAs for the Clackamas River and Tualatin River sub-basins, discharges of mercury are expected to be reduced by 75% over time relative to the baseline time period.

Citation	Description	2021-22 Update
		<p>The 2022 Shared MS4 Permit Stormwater Management Program Document (SWMP Document) has been submitted which was created to comply with the MS4 Permit that was renewed in October, 2021. The SWMP Document is co-owned/implemented by Clackamas County, Clackamas WES, and the Cities of Rivergrove and Happy Valley. The SWMP Document contains many BMPs which reduce the amount of solids and mercury which are discharged into and from the permitted MS4 system, and which reduce the amount of mercury which is discharged by the MS4. The Construction Site Runoff Control BMPs (i.e., Erosion and Sediment Control) are one of many examples. In summary, the SWMP Document was intentionally designed to reduce the amount of mercury which will be discharged into and from the MS4. Please see the SWMP Document for additional information about these BMPs. This mercury minimization assessment's conclusion is that effective mercury and sediment reducing BMPs have been fully incorporated into the SWMP Document.</p>

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Appendix A: Best Management Practices

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2021-22 Best Management Practices

Row No.	Surface Water Management Plan Component	Best Management Practice (BMP)	Former CCSD#1 BMP #	Former SWMACC BMP #	WES	Happy Valley	Other	Jurisdiction	Type	Tracking Measures and Measurable Goals (as listed in the 2012 SWMP)	2021 - 22 Tracking Measure or Measurable Goal Response	2021 - 22 Response Comment
1	Component #1: Illicit Discharge Detection and Elimination	Conduct Dry Weather Inspections	1	1	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Tracking Measure	Number of outfalls inspected during dry-weather	40	40 dry weather inspections were conducted.
2	Component #1: Illicit Discharge Detection and Elimination	Conduct Dry Weather Inspections	1	1	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Tracking Measure	Number and type of illicit discharges that were encountered and controlled	0	No illicit discharges were found during outfall inspections.
3	Component #1: Illicit Discharge Detection and Elimination	Conduct Dry Weather Inspections	1	1	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Tracking Measure	Status of updating procedures to address new permit requirements	Attained	In June, 2022, we updated our written summary of the current Priority Locations for conducting dry-weather storm sewer system field screening work. The total number of Priority Locations to be monitored is 43.
4	Component #1: Illicit Discharge Detection and Elimination	Conduct Dry Weather Inspections	1	1	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	Inspect major or priority outfalls for the presence of illicit discharges at least once per year	Attained	Of the 42 dry weather inspections conducted, 38 were at major outfalls. The remaining five were minor outfalls.
5	Component #1: Illicit Discharge Detection and Elimination	Conduct Dry Weather Inspections	1	1	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	Update maps of major outfalls on an annual basis	Attained	This map of outfalls was updated in June, 2022.
6	Component #1: Illicit Discharge Detection and Elimination	Conduct Dry Weather Inspections	1	1	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	Update dry weather field screening program to address new permit requirements by November 1, 2012	Attained	The dry weather field screening program was updated to address new permit requirements by November 1, 2012.
7	Component #1: Illicit Discharge Detection and Elimination	Implement the Spill Response Program	2	2	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Tracking Measure	Number of reported spills to the MS4 system	4	There were 18 illicit discharges reported that WES staff investigated. Of those 18, seven were spills. Of those seven, four entered the MS4 system.
8	Component #1: Illicit Discharge Detection and Elimination	Implement the Spill Response Program	2	2	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Tracking Measure	Number and type of response to the reported spills	7	WES investigated seven spills that occurred in the MS4 service area. The spills consisted of liquid waste (various oil & diesel fuel spills and paint) and wash water. An additional non-point source event was identified as a spill but was not included in the number. All were controlled by either WES staff or the responsible party. For more information on the type of response to the reported spills, see Table 2. Illicit Discharge Events.

2021-22 Best Management Practices

Row No.	Surface Water Management Plan Component	Best Management Practice (BMP)	Former CCSD#1 BMP #	Former SWMACC BMP #	WES	Happy Valley	Other	Jurisdiction	Type	Tracking Measures and Measurable Goals (as listed in the 2012 SWMP)	2021 - 22 Tracking Measure or Measurable Goal Response	2021 - 22 Response Comment
9	Component #1: Illicit Discharge Detection and Elimination	Implement the Spill Response Program	2	2	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	Implement the spill response program and associated protocols.	Attained	WES has developed and maintains an appropriate spill response program. The spill response standard operating procedure has been reviewed for improvements and WES staff has been trained on its use.
10	Component #1: Illicit Discharge Detection and Elimination	Respond to reports involving illicit discharges	3	3	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Tracking Measure	Number of alleged illicit discharges and non-stormwater (i.e., fire suppression flows and dechlorinated flows from swimming pools) discharges which were reported each year	1	One authorized non-storm fire-suppression flow discharge is inferred to have occurred from a reported car fire that took place in December. For more information, see the Dec 2 nd description in Table 2. Illicit Discharge Events .
11	Component #1: Illicit Discharge Detection and Elimination	Respond to reports involving illicit discharges	3	3	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Tracking Measure	Number of illicit discharges that were controlled	18	All of the 18 reported illicit discharges were confirmed and located in the MS4 permitted area and all were controlled by either WES staff or the responsible party. In addition to the 18 discharges, WES included one nonpoint source illicit discharge, which was identified as a spill, as a courtesy to, and for the benefit of, DEQ. See Section 1.8 for additional information.
12	Component #1: Illicit Discharge Detection and Elimination	Respond to reports involving illicit discharges	3	3	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	Respond to reports involving alleged illicit discharges within two weeks.	Attained	All illicit discharges were responded to within two weeks of receiving the report.
13	Component #2: Industrial and Commercial Facilities	Screen Existing and New Industrial Facilities	4	4	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Tracking Measure	Track the number of existing or new industrial facilities subject to a stormwater industrial NPDES permit during the permit term.	18 1200-Z permits	Eighteen facilities have a 1200-Z permit within our MS4 Permit area in zip code 97015 and 5 have 1200-Z permits in zip code 97206. Note: some of these facilities discharge to our MS4, and some do not.
14	Component #2: Industrial and Commercial Facilities	Screen Existing and New Industrial Facilities	4	4	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	Review new industrial development applications once during the permit term to identify additional facilities needing to obtain 1200Z permits.	Attained	This review of building permit applications for new industrial facilities was completed in March 2017.
15	Component #2: Industrial and Commercial Facilities	Address Other Industrial Facilities	5	5	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Tracking Measure	The number of inspections performed, and where applicable, monitoring data collected	100 Inspections	100 inspections were performed by WES staff from the list of prioritized commercial/industrial facilities. Due to COVID 19 the Pacific NW Pollution Prevention Center (PPRC) conducted the following industrial/commercial stormwater outreach work – “other contacts made” – on WES’ behalf in WES’ service area: I) 20 auto repair shops, 1 carwash and 1 landscaping company were contacted and EcoBiz program technical assistance was offered. II) 58 multi-family housing facilities were contacted and technical assistance was offered.

2021-22 Best Management Practices

Row No.	Surface Water Management Plan Component	Best Management Practice (BMP)	Former CCSD#1 BMP #	Former SWMACC BMP #	WES	Happy Valley	Other	Jurisdiction	Type	Tracking Measures and Measurable Goals (as listed in the 2012 SWMP)	2021 - 22 Tracking Measure or Measurable Goal Response	2021 - 22 Response Comment
16	Component #2: Industrial and Commercial Facilities	Address Other Industrial Facilities	5	5	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Tracking Measure	The number of letters, enforcement actions, or other contacts made	25 Correction Notices	25 sites were given corrective notices by WES for correcting deferred maintenance of their storm system or for other issues related to the property's storm system.
17	Component #2: Industrial and Commercial Facilities	Address Other Industrial Facilities	5	5	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Tracking Measure	Number of pretreatment inspections performed (CCSD#1- only)	30 pretreatment inspections	<p>The Industrial Permits group conducted 21 annual inspections of permitted industrial users. Five inspections were performed on categorical non-discharging industrial users and 4 inspections were done in response to NRQ surveys received, as first-time visits, or in response to industrial user requests.</p> <p>Certain inspections occurred at places that are technically in Former CCSD#1 AND in the City of Milwaukie limits. The reason is that WES conducts pretreatment on behalf of the City of Milwaukie through an IJA/IGA. Two examples are Blount (now Oregon Tool) and American Metal Specialties, which are included in the count.</p>
18	Component #2: Industrial and Commercial Facilities	Address Other Industrial Facilities	5	5	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	Notify and work with industries to improve stormwater management if an inspection is conducted that indicates improvement is needed.	Attained	Refer to enforcement actions response listed above or contact Watershed Protection staff at (503) 742-4567.
19	Component #3 Construction Site Runoff	Conduct Procedures for Site Planning	6	6	Formerly, CCSD#1 and SWMACC	HV		WES (formerly, SWMACC and CCSD#1) Happy Valley	Tracking Measure	Annual number of permitted, active construction projects (i.e., those projects disturbing 800 sq. ft. or more)	582	<p>There were 363 dwellings, 5 commercial building and 13 site development permits in Happy Valley.</p> <p>WES had 201 active construction projects.</p>
20	Component #3 Construction Site Runoff	Conduct Procedures for Site Planning	6	6	Formerly, CCSD#1 and SWMACC	HV		WES (formerly, SWMACC and CCSD#1) Happy Valley	Tracking Measure	Annual number of site plan reviews and approved plans	676	WES reviewed and approved 64 single-family and reviewed 163 non-single family site plans, and approved 33 non-single family plans were approved within WES' service areas. In addition, there were 368 building division site plan reviews and 48 engineering division site plan reviews in Happy Valley. Of the 48 engineering division site plan reviews, the City approved 19 plans.
21	Component #3 Construction Site Runoff	Conduct Procedures for Site Planning	6	6	Formerly, CCSD#1 and SWMACC	HV		WES (formerly, SWMACC and CCSD#1) Happy Valley	Measurable Goal	Review all applicable erosion and sediment control plans submitted as part of the building permit process	Attained	All applicable erosion and sediment control plans were reviewed, approved and permitted.
22	Component #3 Construction Site Runoff	Implement Requirements for Structural and Non-Structural Best Management Practices	7	7	Formerly, CCSD#1 and SWMACC	HV		WES (formerly, SWMACC and CCSD#1) Happy Valley	Tracking Measure	Annual number of permitted, active construction projects (i.e., those projects disturbing 800 sq. ft. or more)	201	See tracking measure comment in BMP #6.

2021-22 Best Management Practices

Row No.	Surface Water Management Plan Component	Best Management Practice (BMP)	Former CCSD#1 BMP #	Former SWMACC BMP #	WES	Happy Valley	Other	Jurisdiction	Type	Tracking Measures and Measurable Goals (as listed in the 2012 SWMP)	2021 - 22 Tracking Measure or Measurable Goal Response	2021 - 22 Response Comment
23	Component #3 Construction Site Runoff	Implement Requirements for Structural and Non-Structural Best Management Practices	7	7	Formerly, CCSD#1 and SWMACC	HV		WES (formerly, SWMACC and CCSD#1) Happy Valley	Tracking Measure	Annual number of site plan reviews and approved plans	223	See tracking measure comment in BMP #6.
24	Component #3 Construction Site Runoff	Implement Requirements for Structural and Non-Structural Best Management Practices	7	7	Formerly, CCSD#1 and SWMACC	HV		WES (formerly, SWMACC and CCSD#1) Happy Valley	Measurable Goal	WES and Happy Valley require structural and non-structural BMPs for erosion prevention and sediment control on all construction sites disturbing 800 sq. ft. of land or more	Attained	All construction sites disturbing 800 sq.ft. of land or more require structural and non-structural BMPs for erosion prevention and sediment control.
25	Component #3 Construction Site Runoff	Conduct Training for Construction Site Operators	8	8	Formerly, CCSD#1 and SWMACC	HV		WES (formerly, SWMACC and CCSD#1) Happy Valley	Tracking Measure	Track the number and type of educational and training events the District conducts and/or participates in annually	One training resource for the public during ERCO inspections.	WES has made the Erosion Prevention and Sediment Control Planning and Design Manual available on the County website while providing in-the-field training during ERCO inspections. This year, the City of Happy Valley did not sponsor training courses for construction site operators.
26	Component #3 Construction Site Runoff	Conduct Training for Construction Site Operators	8	8	Formerly, CCSD#1 and SWMACC	HV		WES (formerly, SWMACC and CCSD#1) Happy Valley	Measurable Goal	Conduct training for new employees as appropriate and whenever there is a significant update to the Erosion Prevention and Sediment Control Planning and Design Manual.	Attained	One employee from Happy Valley took CESCL - 101. WES had no new employees to receive the training. Additional training will be provided as needed and as available.
27	Component #3 Construction Site Runoff	Identify Priorities for Inspecting Sites and Conducting Enforcement Actions	9	9	Formerly, CCSD#1 and SWMACC	HV		WES (formerly, SWMACC and CCSD#1) Happy Valley	Tracking Measure	Annual number of permitted sites and percentage of sites inspected	100%	Inspected 100% of 388 permitted sites in Happy Valley and 202 permitted sites in WES' ERCO service area.
28	Component #3 Construction Site Runoff	Identify Priorities for Inspecting Sites and Conducting Enforcement Actions	9	9	Formerly, CCSD#1 and SWMACC	HV		WES (formerly, SWMACC and CCSD#1) Happy Valley	Tracking Measure	Annual number of erosion control inspections conducted	3,064 inspections	WES inspections - 1,742 Happy Valley Building Division Inspections - 1,104 Happy Valley Engineering Division Inspections - 218
29	Component #3 Construction Site Runoff	Identify Priorities for Inspecting Sites and Conducting Enforcement Actions	9	9	Formerly, CCSD#1 and SWMACC	HV		WES (formerly, SWMACC and CCSD#1) Happy Valley	Tracking Measure	Annual number of enforcement actions	11 enforcement actions	10 Happy Valley enforcement actions and 1 WES Erosion Control enforcement actions
30	Component #3 Construction Site Runoff	Identify Priorities for Inspecting Sites and Conducting Enforcement Actions	9	9	Formerly, CCSD#1 and SWMACC	HV		WES (formerly, SWMACC and CCSD#1) Happy Valley	Measurable Goal	Inspect construction sites disturbing 800 s.f. of land or more a minimum of three times during construction to verify	Attained	100% of the erosion control permits that WES and Happy Valley issued were inspected a minimum of three times.

2021-22 Best Management Practices

Row No.	Surface Water Management Plan Component	Best Management Practice (BMP)	Former CCSD#1 BMP #	Former SWMACC BMP #	WES	Happy Valley	Other	Jurisdiction	Type	Tracking Measures and Measurable Goals (as listed in the 2012 SWMP)	2021 - 22 Tracking Measure or Measurable Goal Response	2021 - 22 Response Comment
										proper implementation of required BMPs		
31	Component #3 Construction Site Runoff	Identify Priorities for Inspecting Sites and Conducting Enforcement Actions	9	9	Formerly, CCSD#1 and SWMACC	HV		WES (formerly, SWMACC and CCSD#1) Happy Valley	Measurable Goal	Monitor compliance with the erosion control regulations for sites disturbing 800 s.f. of land or more and, when necessary, issue deficiency notices, charge re-inspection fees, issue fines and stop land-disturbing development work at the site until provisions of the regulations are met	Attained	WES posted no Stop-Work orders, and issued 1 enforcement actions requiring corrective action. In Happy Valley, 3 of the 10 erosion control cases resulted in fines. Happy Valley posted no Stop-Work orders. Happy Valley did not charge any re-inspection fees but did issue deficiency notices. After being issued the enforcement action, the violator corrected the erosion violation to comply with the provisions of the regulation.
32	Component #4 Education and Outreach	Public Education to Reduce Discharges of Pesticides, Herbicides and Fertilizers	10	10	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Tracking Measure	Track program messages delivered, type of communication piece, and where appropriate, the number of people affected.	Attained	<ul style="list-style-type: none"> Facebook article, June 2022: Pesticide Tips (proper use tips to prevent discharges of pesticides, herbicides and fertilizer when doing yard work). 863 views Facebook article, February 2022 - How to prevent spills and leaks (including pesticides and fertilizers) 2,089 views WES Newsletter article, January 2022 - How to Prevent Spills (including pesticides, herbicides, fertilizer) 1,086 views WES Newsletter article, July 2021 Preventing and Cleaning up Spills and Leaks to protect our water ((including pesticides, herbicides, fertilizer) 994 views MyClackCo Magazine article, Spring 2022 - You Can Prevent Water Pollution (addresses pesticides, herbicides, fertilizers) Circulation 180,000
33	Component #4 Education and Outreach	Public Education to Reduce Discharges of Pesticides, Herbicides and Fertilizers	10	10	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	Continue to maintain relevant public education materials on the County's website	Attained	<ul style="list-style-type: none"> Website article: Spills and Leaks (Pesticides, Fertilizers - how to prevent contaminating waterways) 93 Views Website article: Looking to Hire a Landscape Maintenance Service? (Addresses tips to prevent misuse of fertilizer, pesticides, herbicides) 51 Views Website article: Lawn Care Tips to Help Protect Our Water (includes extensive information about pesticides. Also includes insecticides and fertilizer) 161 Views
34	Component #4 Education and Outreach	Public Education to Reduce Discharges of Pesticides, Herbicides and Fertilizers	10	10	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	Prepare a minimum of one relevant article per year for inclusion with Clackamas County customer billing statements	Not Attained	In 2021-22 WES did not comply with this requirement. While all was staged to include the appropriate article, WES forgot the bill insert. Had WES included the article, the bill insert would have linked to WES' Education page, which would have included articles about reducing pollution in rivers and streams caused by stormwater runoff, surface water and stormwater management, educating and assisting customers to be clean water stewards, water resource recovery, protecting water quality, online reporting tool, tips for pressure washing and surface cleaning, spills and leaks, landscaping tips to avoid pesticides, herbicides, and other toxic chemicals, and reducing pollutants by keeping storm drains clean.

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Row No.	Surface Water Management Plan Component	Best Management Practice (BMP)	Former CCSD#1 BMP #	Former SWMACC BMP #	WES	Happy Valley	Other	Jurisdiction	Type	Tracking Measures and Measurable Goals (as listed in the 2012 SWMP)	2021 - 22 Tracking Measure or Measurable Goal Response	2021 - 22 Response Comment
35	Component #4 Education and Outreach	Public Education to Reduce Discharges of Pesticides, Herbicides and Fertilizers	10	10	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	Pursue additional relevant USGS studies if the opportunity presents itself.	Attained	No additional USGS studies were funded during the 2020-21 MS4 permit year. Note that CCSD#1, the SWMACC, and the Cities of Rivergrove and Happy Valley contributed funds towards a USGS-led pesticide monitoring study, which assessed pesticide concentrations in creek water, creek bed sediments, and discharges from MS4 outfalls, during the current 2012-2017 MS4 permit term. This monitoring study satisfies the pesticide monitoring requirement in table B-1 of the MS4 permit. The USGS wrote an article about this study which was published in the Journal of Environmental Monitoring Assessment, a scientific journal, in May 2016.
36	Component #4 Education and Outreach	Proper Disposal Practices to Reduce Discharges of Pesticides, Herbicides and Fertilizers	11	11	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Tracking Measure	Number of calls received and referred to Metro annually.	0	WES did not receive customer inquiries about the proper way to dispose of these dangerous and/or hazardous materials. Hence, WES did not refer any customers to Metro.
37	Component #4 Education and Outreach	Proper Disposal Practices to Reduce Discharges of Pesticides, Herbicides and Fertilizers	11	11	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	Refer all pesticide/herbicide disposal related calls to Metro.	Not applicable	No customers were referred to Metro because did not WES receive inquiries on disposing of these dangerous and/or hazardous materials.
38	Component #4 Education and Outreach	Facilitate Public Reporting of Illicit Discharges and Spills and Other Types of Improper Disposal of Materials	12	12	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Tracking Measure	Describe news articles reported per year when appropriate	Attained	For a description of news articles that address illicit discharges, see Row 40, BMP #12.
39	Component #4 Education and Outreach	Facilitate Public Reporting of Illicit Discharges and Spills and Other Types of Improper Disposal of Materials	12	12	Formerly, CCSD#1 and SWMACC		Public & Government Relations	WES (formerly, SWMACC and CCSD#1) Public & Government Affairs	Tracking Measure	Describe type of public complaints received. Resulting follow up actions per year will be kept in a database.	Attained	WES investigates all illicit discharge complaints received as well as those that WES staff encounter. Section 1.8 in this annual report provides additional information.
40	Component #4 Education and Outreach	Facilitate Public Reporting of Illicit Discharges and Spills and Other Types of Improper Disposal of Materials	12	12	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	Include a relevant article in The Citizen News (for the County) once a permit term (where permit term is from March 2012 through March 1, 2017)	Attained	Despite this being a once a Permit term reporting requirement, WES has repeatedly complied every year. In 2021-22, WES provided the following: <ul style="list-style-type: none"> WES Newsletter article, January 2022 - How to Prevent Spills (includes reporting of spills as well as prevention of water pollution due to pesticides, herbicides, fertilizer) 1,086 views WES Newsletter article, July 2021 Preventing and Cleaning up Spills and Leaks to protect our water (includes reporting of spills as well as prevention of water pollution due to pesticides, herbicides, fertilizer) 994 views MyClackCo Magazine article, Spring 2022 - You Can Prevent Water Pollution (includes reporting of spills as well as prevention of water pollution due to pesticides, herbicides, fertilizer) Circulation 180,000

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Row No.	Surface Water Management Plan Component	Best Management Practice (BMP)	Former CCSD#1 BMP #	Former SWMACC BMP #	WES	Happy Valley	Other	Jurisdiction	Type	Tracking Measures and Measurable Goals (as listed in the 2012 SWMP)	2021 - 22 Tracking Measure or Measurable Goal Response	2021 - 22 Response Comment
41	Component #4 Education and Outreach	Facilitate Public Reporting of Illicit Discharges and Spills and Other Types of Improper Disposal of Materials	12	12	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	Continue to include area for public complaints on the County's website and track number of complaints for reporting	Attained	WES replaced the online form with a link (https://www.clackamas.us/wes/reportaproblem.html) directing the community to a webpage offering options to reporting a discharge or disposal. One can email or call in information during the day or afterhours. Customer service enters the information into WES' maintenance tracking software, Lucy, so the appropriate staff can respond and investigate the alleged illicit discharge or improper disposal.
42	Component #4 Education and Outreach	Participate in a Public Education Effectiveness Evaluation	13	13	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Tracking Measure	Report on activities annually.	Attained	This was a one-time requirement for an evaluation that WES submitted in 2015. We do continue to measure progress in our Watershed Health Education Program in the schools by conducting before and after tests.
43	Component #4 Education and Outreach	Participate in a Public Education Effectiveness Evaluation	13	13	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	Provide/compile information regarding a public education effectiveness evaluation over the permit term.	Attained	This was a one-time requirement for an evaluation that WES submitted in 2015. We do continue to measure progress in our Watershed Health Education Program in the schools by conducting before and after tests.
44	Component #4 Education and Outreach	Training for Employees	14	14	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Tracking Measure	Track the number of employees receiving training in stormwater management annually.	79	Seventy-nine employees received stormwater management training in 12 different workshops relevant to stormwater management.
45	Component #4 Education and Outreach	Training for Employees	14	14	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	Attend relevant stormwater management related training based on need and availability	Attained	<p>Seventy-nine employees from WES attended one or more of the following:</p> <ul style="list-style-type: none"> • 2021 ACWA Summer Mini Conference • National Environmental Monitoring Conference • PNCWA Annual Conference • Oregon Infrastructure Summit • ACWA Board Retreat • Fall 2021 APWA Conference • TNI Forum on Environmental Accreditation • 2022 Urban Ecology & Conservation Symposium • Spring 2022 APWA Conference • Green Roof Success: Design Through Maintenance • 2022 ACWA Stormwater Summit • Short School 2022 <p>WES Development Staff attended 4 training sessions in the following topics: ProjectDoxs, American Planning Association (APA), Annual Conference, Urban Ecosystem Research Consortium (UERC), and Annual Symposium, Greenroof Symposium.</p> <p>One employee from Happy Valley took CESCL - 101, February 8-9, 2022 and ODOT Inspector Training, May 9-13, 2022. The Public Works had 21 employees attend the following trainings: ORWEF Water Environment School – June 2022, Improving Safety Features of Local Roads & Streets – April 2022, and Pesticide Training – (5) credit hours.</p>

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Row No.	Surface Water Management Plan Component	Best Management Practice (BMP)	Former CCSD#1 BMP #	Former SWMACC BMP #	WES	Happy Valley	Other	Jurisdiction	Type	Tracking Measures and Measurable Goals (as listed in the 2012 SWMP)	2021 - 22 Tracking Measure or Measurable Goal Response	2021 - 22 Response Comment
46	Component #4 Education and Outreach	Training for Employees	14	14	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	Check in with the Fire Department regarding stormwater issues during the permit's 5-year term.	Attained	<p>This was a one-time requirement but WES has checked in with the Clackamas Fire District over several reporting periods to ensure that the Fire District has operated their facilities with the storm/sewer valves in the correct position.</p> <p>WES has inspected CCFD's training facility and reviewed their Environmental Protection SOP, which contains procedures on how the Fire District manages stormwater on their facility and operates valves during training that divert fire-fighting foam towards the sanitary sewer.</p> <p>During a spot inspection in Spring 2021, while the Clackamas Fire District was conducting fire training exercises at their training facility on SE 130th Avenue, WES staff noted that the Fire District was operating their facility with the storm/sewer valves in the correct orientation. Flows from fire-fighting training activities utilizing foam were directed correctly to sanitary sewer per the Fire District's SOP.</p>
47	Component # 5 Public Involvement and Participation	Provide for Public Participation with SWMP and Benchmark Submittals	15	15	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	Provide for public participation with the SWMP and pollutant load reduction benchmarks prior to the permit renewal application deadline	Not applicable	The public comment period for documents related to the MS4 permit renewal application submittal ran from January 20, 2017 to February 21, 2017. WES submitted these documents to DEQ on February 24, 2017.
48	Component # 5 Public Involvement and Participation	Provide for Public Participation with SWMP and Benchmark Submittals	15	15	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	Provide for public participation with the monitoring plan due to the Department by September 1, 2012	Attained	This public participation opportunity was provided in 2012.
49	Component # 6 Post-Construction Site Runoff	Planning Procedures for New Development and Significant Redevelopment	16	16	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Tracking Measure	The number and type of flow control, water quality treatment or infiltration facilities installed in accordance with the requirements	25	Includes water quality, infiltration and flow control ponds.
50	Component # 6 Post-Construction Site Runoff	Planning Procedures for New Development and Significant Redevelopment	16	16	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Tracking Measure	Narrative to describe the status of the private facility database	Attained	The upgrades to the GIS and maintenance management system software and databases is undergoing installation and testing. Initial customization of the LUCITY maintenance management software system has begun to facilitate testing. These systems will be used for the private facility database for commercial/industrial properties.
51	Component # 6 Post-Construction Site Runoff	Planning Procedures for New Development and Significant Redevelopment	16	16	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Tracking Measure	Narrative to describe results of tracking compliance with private facility maintenance agreements	Attained	<p>148 Commercial Maintenance Agreements in the MS4 area</p> <p>61 CMA properties submitted reports in calendar year 2021 with 610 structures cleaned</p> <p>See BMP 28 in this table for information about WES' SCAP.</p>

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Row No.	Surface Water Management Plan Component	Best Management Practice (BMP)	Former CCSD#1 BMP #	Former SWMACC BMP #	WES	Happy Valley	Other	Jurisdiction	Type	Tracking Measures and Measurable Goals (as listed in the 2012 SWMP)	2021 - 22 Tracking Measure or Measurable Goal Response	2021 - 22 Response Comment
52	Component # 6 Post-Construction Site Runoff	Planning Procedures for New Development and Significant Redevelopment	16	16	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	Continue to implement and enforce controls for stormwater quality treatment from new and re-development	Attained	WES continues to implement and enforce controls for stormwater quality treatment from new and re-development.
53	Component # 6 Post-Construction Site Runoff	Planning Procedures for New Development and Significant Redevelopment	16	16	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	Track the location, type, and drainage area of new water quality facilities using GIS	Attained	WES staff tracks areas that drain to water quality and flow control facilities by mapping project areas from as-builts. Staff is actively improving the existing GIS data and mapping new projects.
54	Component # 6 Post-Construction Site Runoff	Planning Procedures for New Development and Significant Redevelopment	16	16	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	Continue with work to compile a database of private facilities	Attained	During this 12 month reporting period, WES improved and maintained our database of private facilities.
55	Component # 6 Post-Construction Site Runoff	Planning Procedures for New Development and Significant Redevelopment	16	16	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	Annually, check in on compliance with terms of private facility maintenance agreements	Attained	<p>Since reporting from commercial properties is due by December 31st of each year, the following information is for calendar year 2021 rather than permit year 2021-22.</p> <ul style="list-style-type: none"> WES sent one mailing and had two cleaning campaigns in 2021 to not only the properties within the MS4 area that had Commercial Maintenance Agreements, but rather to all commercial/industrial stormwater accounts that had storm systems. The letter was to remind them of the annual inspection and reporting requirements as well as to offer them an opportunity for discounted cleaning through the Stormdrain Cleaning Assistance Program (SCAP). WES continues to conduct site inspections as a means to encourage compliance with maintenance agreement requirements. The COVID pandemic and employment situation continues to affect compliance as businesses are constrained by financial and labor shortages. In addition, the failure of some businesses and sale of others has resulted on some owners needing to become aware of local requirements. Total cleaning of all private commercial/industrial facilities through SCAP (See BMP 28) and other methods: 346 businesses, 1904 structures and over 330,000 gallons of material removed (1 very large pond rebuild was over 200,000 gals by itself).
56	Component # 6 Post-Construction Site Runoff	Update Procedures for New Development and Significant Redevelopment	17	17	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Tracking Measure	Track status of adopting proposed changes to the stormwater standards for new and re-development.	Attained	In July 2018 WES started a project to update WES' stormwater standards which includes the MS4 requirement to capture and treat 80% of the annual average runoff volume, which roughly equates to 1" of rainfall on a development site. The new standards will prioritize Low Impact Development Approach (LIDA) to mitigate stormwater runoff. The project is anticipated to be completed in December 2022, and the process will include internal staff involvement from applicable divisions of WES, Clackamas County engineering & planning, City of Happy Valley and regional stakeholders.

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Row No.	Surface Water Management Plan Component	Best Management Practice (BMP)	Former CCSD#1 BMP #	Former SWMACC BMP #	WES	Happy Valley	Other	Jurisdiction	Type	Tracking Measures and Measurable Goals (as listed in the 2012 SWMP)	2021 - 22 Tracking Measure or Measurable Goal Response	2021 - 22 Response Comment
57	Component # 6 Post-Construction Site Runoff	Update Procedures for New Development and Significant Redevelopment	17	17	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	CCSD#1: Complete updates to standards to meet new permit requirements by June 30, 2013	Attained	In July 2018 WES started a project to update WES' stormwater standards which includes the MS4 requirement to capture and treat 80% of the annual average runoff volume, which roughly equates to 1" of rainfall on a development site. The new standards will prioritize Low Impact Development Approach (LIDA) to mitigate stormwater runoff. The project is anticipated to be completed in December 2022, and the process will include internal staff involvement from applicable divisions of WES, Clackamas County engineering & planning, City of Happy Valley and regional stakeholders.
58	Component # 6 Post-Construction Site Runoff	Update Procedures for New Development and Significant Redevelopment	17	17	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	CCSD#1: Complete guidance manual for developers to facilitate the implementation of the new standards by June 30, 2013	Attained	In July 2018 WES started a project to update WES' stormwater standards which includes the MS4 requirement to capture and treat 80% of the annual average runoff volume, which roughly equates to 1" of rainfall on a development site. The new standards will prioritize Low Impact Development Approach (LIDA) to mitigate stormwater runoff. The project is anticipated to be completed in December 2022, and the process will include internal staff involvement from applicable divisions of WES, Clackamas County engineering & planning, City of Happy Valley and regional stakeholders.
59	Component # 6 Post-Construction Site Runoff	Update Procedures for New Development and Significant Redevelopment	17	17	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	SWMACC: Policy development and implementation by November 1, 2014.	Attained	In July 2018 WES started a project to update WES' stormwater standards which includes the MS4 requirement to capture and treat 80% of the annual average runoff volume, which roughly equates to 1" of rainfall on a development site. The new standards will prioritize Low Impact Development Approach (LIDA) to mitigate stormwater runoff. The project is anticipated to be completed in December 2022, and the process will include internal staff involvement from applicable divisions of WES, Clackamas County engineering & planning, City of Happy Valley and regional stakeholders.
60	Component # 6 Post-Construction Site Runoff	Sizing Tool Development to Address Hydro-modification	18	N/A	Formerly, CCSD#1			WES (formerly, CCSD#1)	Tracking Measure	Net impervious area treated by LID	36.6 acres	The WES Development Services team approved twenty-five development permits which treated stormwater runoff by LID BMPs with the net impervious area of 36.59 acres.
61	Component # 6 Post-Construction Site Runoff	Sizing Tool Development to Address Hydro-modification	18	N/A	Formerly, CCSD#1			WES (formerly, CCSD#1)	Tracking Measure	Number of applications submitted using sizing tool	12	Twelve development projects applied the BMP Sizing Tool to control stormwater runoff.
62	Component # 6 Post-Construction Site Runoff	Sizing Tool Development to Address Hydro-modification	18	N/A	Formerly, CCSD#1			WES (formerly, CCSD#1)	Tracking Measure	Customer feedback and community relations about the simplified tool (for development engineers) that sizes LID BMPs (in order to address the duration of elevated flow levels in addition to addressing flow volumes and peaks; and in order to address the long-term impacts of increased runoff from development).	Attained	As part of the ongoing update to the SW standards, WES in partnership with Brown and Caldwell conducted a robust public outreach and comment period on proposed changes alongside WES Staff, meeting with major WES stakeholders such as regional watershed councils, and community planning organizations.

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Row No.	Surface Water Management Plan Component	Best Management Practice (BMP)	Former CCSD#1 BMP #	Former SWMACC BMP #	WES	Happy Valley	Other	Jurisdiction	Type	Tracking Measures and Measurable Goals (as listed in the 2012 SWMP)	2021 - 22 Tracking Measure or Measurable Goal Response	2021 - 22 Response Comment
63	Component # 6 Post-Construction Site Runoff	Sizing Tool Development to Address Hydro-modification	18	N/A	Formerly, CCSD#1			WES (formerly, CCSD#1)	Measurable Goal	The primary goal is to develop, by June 30, 2013, a tool to assist development engineers with the design/sizing of stormwater management facilities in order to reduce target pollutants and stream degradation impacts (i.e., hydro-modification) associated with the development of impervious surfaces.	Attained	In July 2018 WES started a project to update WES' stormwater standards which includes the MS4 requirement to capture and treat 80% of the annual average runoff volume, which roughly equates to 1" of rainfall on a development site. The new standards will prioritize Low Impact Development Approach (LIDA) to mitigate stormwater runoff. The project is anticipated to be completed in December 2022, and the process will include internal staff involvement from applicable divisions of WES, Clackamas County engineering & planning, City of Happy Valley and regional stakeholders.
64	Component # 7 Pollution Prevention for Municipal Operations BMPs	Street Sweeping	19	18		HV	DTD	Happy Valley DTD	Tracking Measure	Number of miles that were swept in Happy Valley	1,495 miles For Clackamas County roads, see DTD's 2021-22 MS4 Annual Report.	858 Happy Valley miles and 637 miles in the remaining WES MS4 service area. For miles swept by Clackamas County DTD sweepers, please see DTD's 2020-21 MS4 annual report.
65	Component # 7 Pollution Prevention for Municipal Operations BMPs	Street Sweeping	19	18		HV	DTD	Happy Valley DTD	Tracking Measure	Mass or volume of material removed during sweeping in Happy Valley	1,096 cubic yards For Clackamas County roads, see DTD's 2021-22 MS4 Annual Report.	Happy Valley removed 763 cubic yards. On behalf of WES, Happy Valley removed 333 cubic yards in the remaining WES MS4 service area. For the mass or volume of debris that Clackamas County DTD removed, see DTD's 2020-21 MS4 annual report.
66	Component # 7 Pollution Prevention for Municipal Operations BMPs	Street Sweeping	19	18		HV	DTD	Happy Valley DTD	Measurable Goal	City of Happy Valley sweeps approximately 100 lane miles of curbed streets per year on average	Attained For Clackamas County roads, see DTD's 2021-22 MS4 Annual Report.	City of Happy Valley exceeded its goal of 100 miles.
67	Component # 7 Pollution Prevention for Municipal Operations BMPs	Operations & Maintenance for Public Streets	20	19		HV	DTD	Happy Valley DTD	Tracking Measure	Mass or volume of material removed by the City of Happy Valley "Adopt-a-Road" program	Not Applicable	Happy Valley no longer has an Adopt-a-Road program as part of its operations and maintenance of public streets. Instead, the City captures litter from its streets through its street sweeping program. Happy Valley removed 25 yards of material. The Shared SWMP, which was submitted to DEQ for approval in 2017, removed this BMP, but Happy Valley has been unable to implement this SWMP because it has not been approved by DEQ, as of October 2022.
68	Component # 7 Pollution Prevention for Municipal Operations BMPs	Operations & Maintenance for Public Streets	20	19		HV	DTD	Happy Valley	Tracking Measure	Number of illegal solid waste dumps that are removed in the City of Happy Valley	Unknown	Happy Valley partners with Metro's RID Patrol program to remove the illegal dump sites in the City. Metro tracks the amount of material removed in Happy Valley. Please contact Metro at (503) 797-1700 or (503) 234-3000 for more information.
69	Component # 7 Pollution Prevention for Municipal Operations BMPs	Operations & Maintenance for Public Streets	20	19		HV	DTD	Happy Valley DTD	Tracking Measure	Mass or volume of material that is removed by the elimination of illegal solid waste	Unknown	See row 68's response.

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Row No.	Surface Water Management Plan Component	Best Management Practice (BMP)	Former CCSD#1 BMP #	Former SWMACC BMP #	WES	Happy Valley	Other	Jurisdiction	Type	Tracking Measures and Measurable Goals (as listed in the 2012 SWMP)	2021 - 22 Tracking Measure or Measurable Goal Response	2021 - 22 Response Comment
										dumping sites in the City of Happy Valley		
70	Component # 7 Pollution Prevention for Municipal Operations BMPs	Operations & Maintenance for Public Streets	20	19		HV	DTD	Happy Valley DTD	Tracking Measure	Amount of sand applied and then removed by Happy Valley as a result of a snow/ice event and time of removal after the event	182 yards applied of sand and 144 yards of sand removed	Happy Valley applied 182 yards of sand as a result of this year's snow/ice events and picked up 144 yards of sand after the events.
71	Component # 7 Pollution Prevention for Municipal Operations BMPs	Operations & Maintenance for Public Streets	20	19		HV	DTD	Happy Valley DTD	Measurable Goal	Remove illegal solid waste dumps as they are discovered	Attained	Metro partners with Happy Valley to remove the illegal dump sites in the City. Metro tracks the amount of material removed in Happy Valley.
72	Component # 7 Pollution Prevention for Municipal Operations BMPs	Operations & Maintenance for Public Streets	20	19		HV	DTD	Happy Valley DTD	Measurable Goal	Collect sand applied for ice/snow events within 10 days of the end of the event	Attained	Happy Valley collected 144 yards of sand within 10 days of the end of the snow/ice events this past year. Happy Valley used 6,155 gallons of Magnesium Chloride for deicing. See DTD's 2021-22 MS4 Annual Report for the work DTD performed on County-maintained roads.
73	Component # 7 Pollution Prevention for Municipal Operations BMPs	Operations & Maintenance for Public Streets	20	19		HV	DTD	Happy Valley DTD	Measurable Goal	DTD: See DTD's MS4 NPDES SWMP	See DTD's 2021-22 MS4 Annual Report	See DTD's 2021-22 MS4 Annual Report for the work DTD performed on County-maintained roads.
74	Component # 7 Pollution Prevention for Municipal Operations BMPs	Proper Road Maintenance Practices to Reduce the Discharge of Pesticides, Herbicides and Fertilizers	21	20		HV	DTD	Happy Valley DTD	Tracking Measure	Happy Valley - The quantity of herbicide products used per zip code. This is the same data that will be reported to Oregon's Department of Agriculture per the Pesticide Use Reporting System.	See the list in the adjacent column	Data reported in the Oregon Department of Agriculture's Pesticide Use Reporting System include the following: <ul style="list-style-type: none"> <u>City Hall</u> Speed Zone – 5.44 oz, Sevin SL – 5.44 oz, Lime – 195.84 oz, Ferrous sulfate Heptahydrate – 51 lbs, Barricade 65WG – 32 oz, Gallery – 12 oz, Vessel – 21.74 oz <u>Public Works Yard</u> Rodeo – 17 oz, LI 700 – 8.5 oz Happy Valley Park Rodeo – 109 oz, LI 700 – 54.5 oz, Gly Star Glyphosate – 40 oz, Vastlan – 30 oz, Competitor – 20 oz, Hi-light – 10 oz <u>CPC/Annex</u> Speed Zone – 1.6 oz, Sevin SL – 1.6 oz, Lime – 57.6 oz, Ferrous Sulphate Heptahydrate – 15 lbs, Barricade 65WG – 2.4 oz, Gallery – .9 oz, Vessel – 6.4 oz <u>Library</u> Speed Zone – .24 oz, Sevin SL – .24 oz, Lime – 11.52 oz, Barricade 65WG – 4.8 oz, Gallery – 1.8 oz, Rodeo – 8 oz, Vastlan – 6 oz, Competitor – 4 oz, Hi Light – 2 oz, Vessel – 1.2 oz <u>City Owned Spaces</u> Rodeo – 33.5 oz, LI 70 0 – 16.75 oz, Snapshot – 20 lbs.

2021-22 Best Management Practices

Row No.	Surface Water Management Plan Component	Best Management Practice (BMP)	Former CCSD#1 BMP #	Former SWMACC BMP #	WES	Happy Valley	Other	Jurisdiction	Type	Tracking Measures and Measurable Goals (as listed in the 2012 SWMP)	2021 - 22 Tracking Measure or Measurable Goal Response	2021 - 22 Response Comment
												<ul style="list-style-type: none"> Monument Sign Lime – 80.64 oz, Ferrous sulfate Heptahydrate – 21 lbs, Barricade 65WG – 2.08 oz, Gallery – .78 oz Happy Valley Nature Park Rodeo – 16 oz, Vastlan – 15 oz, Competitor – 8 oz, Hi Light – 3 oz Ashley Meadows Park Speed Zone – 105.6 oz, Sevin SL – 105.6 oz, Barricade 65WG – 6.24 oz, Gallery – 2.34 oz, Vessel – 105.6 oz, Ferrous Sulfate – 330 lbs Village Green Park Lime – 120 oz, Ferrous Sulfate – 30 lbs, Vessel – 22.4 oz, Sevin SL – 3.2 oz, Speed Zone – 3.2 oz Southern Lites Park Ferrous Sulfate – 75 lbs, Barricade – 3.12 oz
75	Component # 7 Pollution Prevention for Municipal Operations BMPs	Proper Road Maintenance Practices to Reduce the Discharge of Pesticides, Herbicides and Fertilizers	21	20		HV	DTD	Happy Valley DTD	Tracking Measure	DTD roads: See tracking measures in the DTD MS4 NPDES SWMP	See DTD's 2021-22 MS4 Annual Report	See DTD's 2021-22 MS4 Annual Report for the County's pesticide, herbicide and fertilizer use in County-maintained roads.
76	Component # 7 Pollution Prevention for Municipal Operations BMPs	Proper Road Maintenance Practices to Reduce the Discharge of Pesticides, Herbicides and Fertilizers	21	20		HV	DTD	Happy Valley DTD	Measurable Goal	Happy Valley Roads: Continue to implement the integrated pest management portion of the ODOT Routine Road Maintenance Manual	Attained	City of Happy Valley continues to implement the IPM portion of the ODOT Routine Road Maintenance Manual and held 5 meetings.
77	Component # 7 Pollution Prevention for Municipal Operations BMPs	Landscape Maintenance Practices to Reduce the Discharge of Pesticides, Herbicides and Fertilizers	22	21	Formerly, CCSD#1 and SWMACC	HV	DTD	WES (formerly, SWMACC and CCSD#1) Happy Valley DTD	Tracking Measure	The number of meetings conducted	Attained	No meetings were held in 2021-22 because the meetings which were required to be held during the permit term have already been held. Note: The meetings with the local government agencies and districts who are not MS4 co-permittees have also been held already.
78	Component # 7 Pollution Prevention for Municipal Operations BMPs	Landscape Maintenance Practices to Reduce the Discharge of Pesticides, Herbicides and Fertilizers	22	21	Formerly, CCSD#1 and SWMACC	HV	DTD	WES (formerly, SWMACC and CCSD#1) Happy Valley DTD	Tracking Measure	The results and follow-up activities conducted as a result of the meetings	Attained	During the 2021-22 permit year, WES did not conduct follow-up activities as a result of the meetings which were held in previous years during this permit term, since this work has already been done.
79	Component # 7 Pollution Prevention for Municipal Operations BMPs	Landscape Maintenance Practices to Reduce the Discharge of Pesticides, Herbicides and Fertilizers	22	21	Formerly, CCSD#1 and SWMACC	HV	DTD	WES (formerly, SWMACC and CCSD#1) Happy Valley DTD	Measurable Goal	Check back in with all County & City of Happy Valley buildings and facilities that were visited (during the last permit cycle) at least once during this permit cycle	Attained	This check-in process occurred during meetings which were held during this time period: June 2016 to February 2017. WES sent a follow-up letter to each public agency after the meetings were held.

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Row No.	Surface Water Management Plan Component	Best Management Practice (BMP)	Former CCSD#1 BMP #	Former SWMACC BMP #	WES	Happy Valley	Other	Jurisdiction	Type	Tracking Measures and Measurable Goals (as listed in the 2012 SWMP)	2021 - 22 Tracking Measure or Measurable Goal Response	2021 - 22 Response Comment
80	Component # 7 Pollution Prevention for Municipal Operations BMPs	Landscape Maintenance Practices to Reduce the Discharge of Pesticides, Herbicides and Fertilizers	22	21	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1) Happy Valley	Measurable Goal	Develop and implement an Integrated Pest Management plan by December 31, 2012	Attained	This IPM plan was developed and implemented prior to December 31, 2012 and it continued to be implemented in 2021-22.
81	Component # 7 Pollution Prevention for Municipal Operations BMPs	Control Infiltration and Cross Connections to the District's Stormwater System	23	22	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Tracking Measure	Number of cross-connections/ sanitary discharges identified	1	A home on SE Deremer Lane in Happy Valley was cross-connected to the storm system and affected a newly created storm pond in the development. The cross connection was corrected, the contractor cleaned and removed the contaminated material from the affected storm pond, and WES inspected the repair to ensure that the cross connection was completed and the storm pond was cleaned. For more information see the January 10, 2022 entry in Table 2. Illicit Discharge Events .
82	Component # 7 Pollution Prevention for Municipal Operations BMPs	Control Infiltration and Cross Connections to the District's Stormwater System	23	22	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Tracking Measure	The number and type of inspections performed, abatement actions and enforcement actions taken	2,869 water quality facilities and structures inspected for infiltration and cross connections	Through preventative maintenance activities within the MS4, staff visually inspects some structures for condition assessment to include evidence of cross connections. WES staff looks for evidence of cross connection during daily inspection and cleaning activities. Staff also conducts routine video surveillance using closed-circuit television inspections of the sanitary system in an effort to find and eliminate any cross connection. In an IGA with WES' partnership cities, WES formalized a water quality and MS4-related infiltration and inflow abatement program where WES will contribute up to 30 percent of CIP projects from nine local cities whose projects will reduce infiltration and inflow at WES' Kellogg and Tri-City Water Resource Recovery Facilities.
83	Component # 7 Pollution Prevention for Municipal Operations BMPs	Control Infiltration and Cross Connections to the District's Stormwater System	23	22	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	Eliminate any identified sanitary discharges to the storm system.	Attained	Two sanitary sewer overflows occurred in WES' MS4 service area, none of which were conveyed through infiltration or cross-connections. In all instances all debris was removed and all MS4 assets were cleaned.
84	Component # 7 Pollution Prevention for Municipal Operations BMPs	Flood Management Projects and Water Quality	24	N/A	Formerly, CCSD#1			WES (formerly, CCSD#1)	Tracking Measure	Number of retrofits constructed that address water quality treatment	0	No projects have been completed in these categories, but we are working on plans for future years.
85	Component # 7 Pollution Prevention for Municipal Operations BMPs	Flood Management Projects and Water Quality	24	N/A	Formerly, CCSD#1			WES (formerly, CCSD#1)	Tracking Measure	Number of flood management projects implemented or constructed and the percentage of those projects that include water quality Components	0	WES completed the following flood management projects: <ul style="list-style-type: none"> Spring Mountain Storm Slip Lining: Completed Feb 2022. We slip lined a storm pipe that was chronically plugged with roots that would result in flooding of a greenspace and private property. Replaced a failing manhole. CIPP on Storm Pipe on SE 121st: We completed CIPP on a storm pipe at the end of SE 121st. This pipe was chronically plugged with roots that resulted in flooding of private property Neither, however, included water quality components.

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Row No.	Surface Water Management Plan Component	Best Management Practice (BMP)	Former CCSD#1 BMP #	Former SWMACC BMP #	WES	Happy Valley	Other	Jurisdiction	Type	Tracking Measures and Measurable Goals (as listed in the 2012 SWMP)	2021 - 22 Tracking Measure or Measurable Goal Response	2021 - 22 Response Comment
86	Component # 7 Pollution Prevention for Municipal Operations BMPs	Flood Management Projects and Water Quality	24	N/A	Formerly, CCSD#1			WES (formerly, CCSD#1)	Measurable Goal	Ensure all planned stormwater CIPs include consideration of water quality.	No projects have been completed in these categories, but we are working on plans for future years	WES is finalizing a formalized CIP. This effort will include water quality improvement projects.
87	Component # 7 Pollution Prevention for Municipal Operations BMPs	Detention Pond Retrofit Program	25	N/A	Formerly, CCSD#1			WES (formerly, CCSD#1)	Tracking Measure	Track pilot testing activities	No projects have been completed in these categories, but we are working on plans for future years	Opti equipment, which was planned, constructed and test piloted before 2018-19, is fully operational in three detention ponds. Performance data shows an increase in detention time and a decrease in wet weather discharge rates from the ponds.
88	Component # 7 Pollution Prevention for Municipal Operations BMPs	Detention Pond Retrofit Program	25	N/A	Formerly, CCSD#1			WES (formerly, CCSD#1)	Tracking Measure	Number, type, and location of retrofits	No projects have been completed in these categories, but we are working on plans for future years	WES is finalizing a formalized CIP. The new CIP includes a program for detention pond retrofits.
89	Component # 7 Pollution Prevention for Municipal Operations BMPs	Detention Pond Retrofit Program	25	N/A	Formerly, CCSD#1			WES (formerly, CCSD#1)	Measurable Goal	The primary goal of the retrofit program is to retrofit existing ponds to improve their function to better meet watershed health goals. The goal will be to conduct 2 to 5 retrofits per year.	No projects have been completed in these categories, but we are working on plans for future years	WES is finalizing a formalized CIP. The new CIP includes a program for detention pond retrofits.
90	Component #8 Structural Stormwater Facility Operations and Maintenance	Maintenance of Conveyance System Components and Structural Controls	26	23	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Tracking Measure	Miles of ditches and storm lines maintained	1.01 miles	WES inspected and/or cleaned 0.9 miles of storm pipe. Happy Valley maintained 600 linear feet (or 0.114 miles) of ditches. For ditch cleaning that DTD has performed, please, see DTD's MS4 Annual Report.
91	Component #8 Structural Stormwater Facility Operations and Maintenance	Maintenance of Conveyance System Components and Structural Controls	26	23	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Tracking Measure	Number and type of components inspected and/or cleaned	2,933 assets	WES inspected and /or provided maintenance of 17 manholes, 5 cleanouts, 8 control pipes, 134 control points, 59 detention ponds, 3 culverts, 35 discharge points, 2539 inlets and 67 stormwater pipes. Happy Valley inspected and 6 catch basins and 60 field inlets.
92	Component #8 Structural Stormwater Facility Operations and Maintenance	Maintenance of Conveyance System Components and Structural Controls	26	23	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Tracking Measure	Mass or volume of material removed during cleaning	489 cubic yards	Of the total cubic yards removed during the cleaning of catch basins, manholes, ponds, swales and other stormwater assets, the vast majority comes from catch basin cleaning. The volume removed from manholes, ponds and other assets are de minimis and therefore are not included in the cubic yards removed. WES removed approximately 468 cubic yards of material from catch basins. A standard catch basin sump that is 60% full has 0.172 cubic yards of debris, which is removed during cleaning and totaled 468 cubic yards. Happy Valley removed approximately 21 cubic yards of material from catch basins and field inlets.

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Row No.	Surface Water Management Plan Component	Best Management Practice (BMP)	Former CCSD#1 BMP #	Former SWMACC BMP #	WES	Happy Valley	Other	Jurisdiction	Type	Tracking Measures and Measurable Goals (as listed in the 2012 SWMP)	2021 - 22 Tracking Measure or Measurable Goal Response	2021 - 22 Response Comment
93	Component #8 Structural Stormwater Facility Operations and Maintenance	Maintenance of Conveyance System Components and Structural Controls	26	23	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	WES: Clean storm lines and ditches on an as-needed basis. Identify inspection frequency.	Attained	WES inspects its conveyance system components and structural controls using a preventative maintenance schedule.
94	Component #8 Structural Stormwater Facility Operations and Maintenance	Maintenance of Conveyance System Components and Structural Controls	26	23	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	WES: Maintain structural water quality facilities on a 3-year cycle.	Not attained	WES is transitioning to an inspection based maintenance program where all of water quality structures are inspected and/or cleaned within a three-year cycle. The targeted 2021-22 goal was 1/3 rd of the total 8,904 WES-maintained catch basins. WES came close to achieving the 1/3 rd with a performance of 29 percent. WES will continue to improve its performance because this goal belongs to and is included in WES' Performance Clackamas, which is our process improvement system that reports performance measures and is part of the County's Managing For Results initiative.
95	Component #8 Structural Stormwater Facility Operations and Maintenance	Maintenance of Conveyance System Components and Structural Controls	26	23	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	WES: Conduct conveyance system assessment by January 31, 2013.	Attained	WES conducted the initial conveyance system assessment prior to January 31, 2013. As part of its operations, WES continues to improve its asset management best practices. WES has made improvements to GIS and the computerized maintenance management system (CMMS). Maintenance crews have field tablets with access to current mapping and the CMMS to improve the tracking of activities pertaining to the conveyance system assets.
96	Component #8 Structural Stormwater Facility Operations and Maintenance	Conduct Catch Basin Cleaning and Maintenance	27	24	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Tracking Measure	Track the percent of District owned or District operated/maintained catch basins cleaned per year	29 percent	2,539 catch basins were cleaned.
97	Component #8 Structural Stormwater Facility Operations and Maintenance	Conduct Catch Basin Cleaning and Maintenance	27	24	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Tracking Measure	Track the volume of debris removed during cleaning activities	489 cubic yards	WES removed approximately 468 cubic yards of material from catch basins. A standard catch basin sump that is 60% full has 0.172 cubic yards of debris, which is removed during cleaning and totaled 468 cubic yards. Happy Valley removed approximately 21 cubic yards of material from catch basins and field inlets.
98	Component #8 Structural Stormwater Facility Operations and Maintenance	Conduct Catch Basin Cleaning and Maintenance	27	24	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	Clean 50% of District owned or District operated/maintained public catch basins each year.	Not attained	WES cleaned 29% of all district operated catch basins cleaned (or 2,539 inlets).
99	Component #8 Structural Stormwater Facility Operations and Maintenance	Conduct Catch Basin Cleaning and Maintenance	27	24	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	Schedule repair or replacement of catch basins based on inspection results	Attained	Repairs were completed as discovered by inspections or referred to our capital engineering staff for a larger repair project.
100	Component #8 Structural Stormwater Facility Operations and Maintenance	Storm Drain Cleaning Assistance Program	28	25	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Tracking Measure	Number of agreement holders compared with the number of annual reports received and the	148 Active Commercial Maintenance Agreements in the MS4 area 61 CMA properties	SCAP and other commercial private storm drain cleaning tracking has been changed to calendar year reporting rather than permit year. The information cited is the 2021 calendar year.

2021-22 Best Management Practices

Row No.	Surface Water Management Plan Component	Best Management Practice (BMP)	Former CCSD#1 BMP #	Former SWMACC BMP #	WES	Happy Valley	Other	Jurisdiction	Type	Tracking Measures and Measurable Goals (as listed in the 2012 SWMP)	2021 - 22 Tracking Measure or Measurable Goal Response	2021 - 22 Response Comment
										number devices being serviced by the vendor	submitted reports 610 structures cleaned (245 by the vendor)	
101	Component #8 Structural Stormwater Facility Operations and Maintenance	Storm Drain Cleaning Assistance Program	28	25	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Tracking Measure	Total number of businesses serviced by the vendor with total number of devices maintained and volume of debris removed	By Vendor: 51 businesses, 265 devices and over 77,000 gallons. By Vendor and others: 346 businesses, 1904 structures and over 330,000 gallons of material removed (1 very large pond rebuild was over 200,000 gals by itself).	SCAP and other commercial private storm drain cleaning tracking is calendar year reporting rather than permit year. The information cited is for the 2021 calendar year. The COVID-19 pandemic and employment situation continued to be constraints on compliance as it restricted the staffing and financial resources of many businesses to meet the inspection and cleaning requirements. In addition some businesses have failed or were sold and new owners are coming up to speed on local requirements and the volume of material was not captured from many sites.
102	Component #8 Structural Stormwater Facility Operations and Maintenance	Storm Drain Cleaning Assistance Program	28	25	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	Continue to provide assistance to commercial and industrial facilities to support their water quality facility maintenance.	Attained	WES partnered with the cities of Milwaukie, Gresham, Fairview, Oregon City, Wood Village and Oak Lodge Water Services District on a Storm Drain Cleaning Assistance Program (SCAP) for private stormwater facilities. The program consisted of a Spring and Fall campaign with a USPS mailing for the Fall portion. To seek better compliance, WES staff continued a series of prioritized onsite inspections that included assessments and guidance on avoiding possible onsite practices that could serve as sources of pollution to the MS4. Where deficiencies were identified by WES staff, corrections were required of the properties.
103	Component #8 Structural Stormwater Facility Operations and Maintenance	Private Water Quality Facility Maintenance Program	29	26	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Tracking Measure	Number of structures inspected and cleaned	793 assets	BMP #29 is only for those storm sewer systems constructed since approximately 1996 which are located in single-family residential areas; homeowners in these areas pay an additional \$3 fee to WES per month which funds the operation and maintenance of these storm sewer systems.
104	Component #8 Structural Stormwater Facility Operations and Maintenance	Private Water Quality Facility Maintenance Program	29	26	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	Inspect 70% of our maintenance agreement sub-divisions annually	38 percent. Not attained.	WES completed inspections in 136 of 359 maintenance agreement subdivisions.
105	Component #8 Structural Stormwater Facility Operations and Maintenance	Private Water Quality Facility Maintenance Program	29	26	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	Cleaning and repair schedules will be developed based on inspection outcomes	Attained	Any repairs or cleanings were subsequently scheduled and/or completed based on the inspection results.
106	Component #8 Structural Stormwater Facility Operations and Maintenance	Private Water Quality Facility Maintenance Program	29	26	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	All non-maintenance agreement cleaning and repairs will be request or service driven	Attained	Any non-maintenance agreement cleanings and/or repairs were initiated by requests for service.

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Row No.	Surface Water Management Plan Component	Best Management Practice (BMP)	Former CCSD#1 BMP #	Former SWMACC BMP #	WES	Happy Valley	Other	Jurisdiction	Type	Tracking Measures and Measurable Goals (as listed in the 2012 SWMP)	2021 - 22 Tracking Measure or Measurable Goal Response	2021 - 22 Response Comment
107	Component #8 Structural Stormwater Facility Operations and Maintenance	Private Water Quality Facility Maintenance Program	29	26	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	Emergency driven cleaning and maintenance will be addressed within 24 hours of the call being received	Attained	All emergency requests were responded to once the requests were received.
108	Component #8 Structural Stormwater Facility Operations and Maintenance	Private Water Quality Facility Maintenance Program	29	26	Formerly, CCSD#1 and SWMACC			WES (formerly, SWMACC and CCSD#1)	Measurable Goal	All non-emergency requests for service will be addressed within 72 hours of the call received	Attained	On average, most non-emergency request were responded to or completed within the 72 hour time frame.

Appendix B: MS4 Pollutant Monitoring Locations and Results

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Monitoring Location ID	Activity Start Date	Activity Start Time	Activity Start/End Time Zone	Activity Media Subdivision Name	Activity Type	Activity ID (Locked)	Sample Collection Method	Characteristic Name	CAS Number	Result Value	Result Unit	Result Measure Qualifier	Detection Limit Value	Detection Limit Unit	Reporting Limit Value	Reporting Limit Unit	Result Analytical Method ID	Laboratory Name	Lab Sample ID
AC24780	2021/11/16	8:25	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24780:202111160825:SR	Grab	Copper	7440-50-8	6.7	ug/L		0.1	ug/L			200.8	Clackamas County-Water	AC24780
AC24780	2021/11/16	8:25	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24780:202111160825:SR	Grab	Lead	7439-92-1	3.37	ug/L		0.01	ug/L	0.01		200.8	Clackamas County-Water	AC24780
AC24780	2021/11/16	8:25	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24780:202111160825:SR	Grab	Zinc	7440-66-6	50	ug/L		1	ug/L	1		200.8	Clackamas County-Water	AC24780
AC24780	2021/11/16	8:25	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24780:202111160825:SR	Grab	Copper, dissolved	7440-50-8	2.2	ug/L		0.1	ug/L	0.1		200.8	Clackamas County-Water	AC24780
AC24780	2021/11/16	8:25	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24780:202111160825:SR	Grab	Lead, dissolved	7439-92-1	0.22	ug/L		0.01	ug/L	0.01		200.8	Clackamas County-Water	AC24780
AC24780	2021/11/16	8:25	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24780:202111160825:SR	Grab	Zinc, dissolved	7440-66-6	14	ug/L		1	ug/L	1		200.8	Clackamas County-Water	AC24780
AC24780	2021/11/16	8:25	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24780:202111160825:SR	Grab	E. Coli	68583-22-2	649	MPN/100ml		1	MPN/100ml	1	MPN/100ml	COLILERT/2000	Clackamas County-Water	AC24780
AC24780	2021/11/16	8:25	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24780:202111160825:SR	Grab	Total Hardness	N/A	68	mg/l CaCO3		5.3	mg/l CaCO3	5.3	mg/l CaCO3	2340c	Clackamas County-Water	AC24780
AC24780	2021/11/16	8:25	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24780:202111160825:SR	Grab	Ammonia-nitrogen	N/A	0.048	mg/L		0.0205	mg/L	0.0205	mg/L	4500-NH3 G	Clackamas County-Water	AC24780
AC24780	2021/11/16	8:25	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24780:202111160825:SR	Grab	Nitrate/Nitrite as N	14797-55-8	0.95	mg/L		0.0625	mg/L	0.0625	mg/L	4500-NO3(F)	Clackamas County-Water	AC24780
AC24780	2021/11/16	8:25	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24780:202111160825:SR	Grab	Orthophosphate	14265-44-2	0.12	mg/L		0.006	mg/L	0.006	mg/L	4500-P-F	Clackamas County-Water	AC24780
AC24780	2021/11/16	8:25	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24780:202111160825:SR	Grab	Phosphorus	7723-14-0	0.34	mg/L		0.04	mg/L	0.02	mg/L	365.3	ALS Environmental Kelso	AC24780
AC24780	2021/11/16	8:25	PST (~Nov-Feb)	Surface Water	Field Measurement/Observation	AC24780:202111160825:FM	Field Meter	Acidity, hydrogen ion (H+)	N/A	7	SU		SU	SU		4500-H+B	Clackamas County-Water	AC24780	
AC24780	2021/11/16	8:25	PST (~Nov-Feb)	Surface Water	Field Measurement/Observation	AC24780:202111160825:FM	Field Meter	Conductivity	N/A	189.9	uS/cm		uS/cm	uS/cm		2510	Clackamas County-Water	AC24780	
AC24780	2021/11/16	8:25	PST (~Nov-Feb)	Surface Water	Field Measurement/Observation	AC24780:202111160825:FM	Field Meter	Temperature, water	N/A	11.2	deg C		deg C	deg C		2550 B	Clackamas County-Water	AC24780	
AC24780	2021/11/16	8:25	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24780:202111160825:SR	Grab	Total Dissolved Solids	N/A	121	mg/L		5.6	mg/L	5.6	mg/L	2540-C	Clackamas County-Water	AC24780
AC24780	2021/11/16	8:25	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24780:202111160825:SR	Grab	Total Suspended Solids	N/A	60	mg/L		1.17	mg/L	1.17	mg/L	2540-D	Clackamas County-Water	AC24780
AC24780	2021/11/16	8:25	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24780:202111160825:SR	Grab	Total Solids	N/A	222	mg/L		5	mg/L	5	mg/L	2540-B	Clackamas County-Water	AC24780
AC24780	2021/11/16	8:25	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24780:202111160825:SR	Grab	Total volatile solids	N/A	94	mg/L		5	mg/L	5	mg/L	2540-E	Clackamas County-Water	AC24780
AC24780	2021/11/16	8:25	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24780:202111160825:SR	Grab	Dissolved Oxygen	N/A	7.2	mg/L		0.02	mg/L	0.02	mg/L	4500-O-C	Clackamas County-Water	AC24780
AC28984	2022/02/15	8:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28984:202202150810:SR	Grab	Copper	7440-50-8	2.19	ug/L		0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC28984
AC28984	2022/02/15	8:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28984:202202150810:SR	Grab	Lead	7439-92-1	0.916	ug/L		0.01	ug/L	0.01	ug/L	200.8	ALS Environmental Kelso	AC28984
AC28984	2022/02/15	8:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28984:202202150810:SR	Grab	Zinc	7440-66-6	19.8	ug/L		1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC28984
AC28984	2022/02/15	8:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28984:202202150810:SR	Grab	Copper, dissolved	7440-50-8	1.37	ug/L		0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC28984
AC28984	2022/02/15	8:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28984:202202150810:SR	Grab	Lead, dissolved	7439-92-1	0.084	ug/L		0.01	ug/L	0.01	ug/L	200.8	ALS Environmental Kelso	AC28984
AC28984	2022/02/15	8:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28984:202202150810:SR	Grab	Zinc, dissolved	7440-66-6	12	ug/L		1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC28984
AC28984	2022/02/15	8:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28984:202202150810:SR	Grab	E. Coli	68583-22-2	132	MPN/100ml		1	MPN/100ml	1	MPN/100ml	COLILERT/2000	Clackamas County-Water	AC28984
AC28984	2022/02/15	8:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28984:202202150810:SR	Grab	Total Hardness	N/A	68	mg/l CaCO3		5.3	mg/l CaCO3	5.3	mg/l CaCO3	2340c	Clackamas County-Water	AC28984
AC28984	2022/02/15	8:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28984:202202150810:SR	Grab	Ammonia-nitrogen	N/A		mg/L		0.03	mg/L	0.03	mg/L	4500-NH3 G	Clackamas County-Water	AC28984
AC28984	2022/02/15	8:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28984:202202150810:SR	Grab	Nitrate/Nitrite as N	14797-55-8	0.79	mg/L		0.0625	mg/L	0.0625	mg/L	4500-NO3(F)	Clackamas County-Water	AC28984
AC28984	2022/02/15	8:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28984:202202150810:SR	Grab	Orthophosphate	14265-44-2	0.03	mg/L		0.006	mg/L	0.006	mg/L	4500-P-F	Clackamas County-Water	AC28984
AC28984	2022/02/15	8:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28984:202202150810:SR	Grab	Phosphorus	7723-14-0	0.1	mg/L		0.02	mg/L	0.02	mg/L	365.3	ALS Environmental Kelso	AC28984
AC28984	2022/02/15	8:10	PST (~Nov-Feb)	Surface Water	Field Measurement/Observation	AC28984:202202150810:FM	Field Meter	Acidity, hydrogen ion (H+)	N/A	7.1	SU		SU	SU		4500-H+B	Clackamas County-Water	AC28984	
AC28984	2022/02/15	8:10	PST (~Nov-Feb)	Surface Water	Field Measurement/Observation	AC28984:202202150810:FM	Field Meter	Conductivity	N/A	184	uS/cm		uS/cm	uS/cm		2510	Clackamas County-Water	AC28984	
AC28984	2022/02/15	8:10	PST (~Nov-Feb)	Surface Water	Field Measurement/Observation	AC28984:202202150810:FM	Field Meter	Temperature, water	N/A	8	deg C		deg C	deg C		2550 B	Clackamas County-Water	AC28984	
AC28984	2022/02/15	8:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28984:202202150810:SR	Grab	Total Dissolved Solids	N/A	120	mg/L		5.6	mg/L	5.6	mg/L	2540-C	Clackamas County-Water	AC28984
AC28984	2022/02/15	8:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28984:202202150810:SR	Grab	Total Suspended Solids	N/A	19	mg/L		1.17	mg/L	1.17	mg/L	2540-D	Clackamas County-Water	AC28984
AC28984	2022/02/15	8:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28984:202202150810:SR	Grab	Total Solids	N/A	154	mg/L		5	mg/L	5	mg/L	2540-B	Clackamas County-Water	AC28984
AC28984	2022/02/15	8:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28984:202202150810:SR	Grab	Total volatile solids	N/A	36	mg/L		5	mg/L	5	mg/L	2540-E	Clackamas County-Water	AC28984
AC28984	2022/02/15	8:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28984:202202150810:SR	Grab	Dissolved Oxygen	N/A	9	mg/L		0.02	mg/L	0.02	mg/L	4500-O-C	Clackamas County-Water	AC28984
AC24712	2021/11/15	13:45	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24712:202111151345:SR	Composite	Copper	7440-50-8	6.2	ug/L		0.1	ug/L	0.1	ug/L	200.8	Clackamas County-Water	AC24712
AC24712	2021/11/15	13:45	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24712:202111151345:SR	Composite	Lead	7439-92-1	1.28	ug/L		0.01	ug/L	0.01	ug/L	200.8	Clackamas County-Water	AC24712
AC24712	2021/11/15	13:45	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24712:202111151345:SR	Composite	Zinc	7440-66-6	46	ug/L		1	ug/L	1	ug/L	200.8	Clackamas County-Water	AC24712
AC24712	2021/11/15	13:45	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24712:202111151345:SR	Composite	Copper, dissolved	7440-50-8	2.8	ug/L		0.1	ug/L	0.1	ug/L	200.8	Clackamas County-Water	AC24712
AC24712	2021/11/15	13:45	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24712:202111151345:SR	Composite	Lead, dissolved	7439-92-1	0.04	ug/L		0.01	ug/L	0.01	ug/L	200.8	Clackamas County-Water	AC24712
AC24712	2021/11/15	13:45	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24712:202111151345:SR	Composite	Zinc, dissolved	7440-66-6	23	ug/L		1	ug/L	1	ug/L	200.8	Clackamas County-Water	AC24712
AC24712	2021/11/15	13:45	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24712:202111151345:SR	Composite	Total Hardness	N/A	32	mg/l CaCO3		5.3	mg/l CaCO3	5.3	mg/l CaCO3	2340c	Clackamas County-Water	AC24712
AC24712	2021/11/15	13:45	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24712:202111151345:SR	Composite	Ammonia-nitrogen	N/A	0.014	mg/L		0.0205	mg/L	0.0205	mg/L	4500-NH3 G	Clackamas County-Water	AC24712
AC24712	2021/11/15	13:45	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24712:202111151345:SR	Composite	Nitrate/Nitrite as N	14797-55-8	1.6	mg/L		0.0625	mg/L	0.0625	mg/L	4500-NO3(F)	Clackamas County-Water	AC24712
AC24712	2021/11/15	13:45	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24712:202111151345:SR	Composite	Orthophosphate	14265-44-2	0.11	mg/L		0.006	mg/L	0.006	mg/L	4500-P-F	Clackamas County-Water	AC24712
AC24712	2021/11/15	13:45	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24712:202111151345:SR	Composite	Phosphorus	7723-14-0	0.26	mg/L		0.02	mg/L	0.02	mg/L	365.3	ALS Environmental Kelso	AC24712
AC24712	2021/11/15	13:45	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24712:202111151345:SR	Composite	Total Dissolved Solids	N/A	64	mg/L		5.6	mg/L	5.6	mg/L	2540-C	Clackamas County-Water	AC24712
AC24712	2021/11/15	13:45	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24712:202111151345:SR	Composite	Total Suspended Solids	N/A	25	mg/L		1.17	mg/L	1.17	mg/L	2540-D	Clackamas County-Water	AC24712
AC24712	2021/11/15	13:45	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24712:202111151345:SR	Composite	Total Solids	N/A	114	mg/L		5	mg/L	5	mg/L	2540-B	Clackamas County-Water	AC24712
AC24712	2021/11/15	13:45	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24712:202111151345:SR	Composite	Total volatile solids	N/A	55	mg/L		5	mg/L	5	mg/L	2540-E	Clackamas County-Water	AC24712
AC24720	2021/11/15	11:45	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24720:202111151145:SR	Grab	E. Coli	68583-22-2		MPN/100ml	>2420	1						

Monitoring Location ID	Activity Start Date	Activity Start Time	Activity Start/End Time Zone	Activity Media Subdivision Name	Activity Type	Activity ID (Locked)	Sample Collection Method	Characteristic Name	CAS Number	Result Value	Result Unit	Result Measure Qualifier	Detection Limit Value	Detection Limit Unit	Reporting Limit Value	Reporting Limit Unit	Result Analytical Method ID	Laboratory Name	Lab Sample ID
AC24722	2021/11/15	12:40	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24722:202111151240:SR	Field Meter	Conductivity	N/A	69.2	uS/cm		N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC24722
AC24722	2021/11/15	12:40	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24722:202111151240:SR	Field Meter	Temperature, water	N/A	13.9	deg C		N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC24722
AC24722	2021/11/15	12:40	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24722:202111151240:SR	Grab	Dissolved Oxygen	N/A	9.5	mg/L		0.02	mg/L	0.02	mg/L	4500-O-C	Clackamas County-Water	AC24722
AC24715	2021/11/15	13:55	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24715:202111151355:SR	Composite	Copper	7440-50-8	3.4	ug/L		0.1	ug/L	0.1	ug/L	200.8	Clackamas County-Water	AC24715
AC24715	2021/11/15	13:55	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24715:202111151355:SR	Composite	Lead	7439-92-1	0.57	ug/L		0.01	ug/L	0.01	ug/L	200.8	Clackamas County-Water	AC24715
AC24715	2021/11/15	13:55	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24715:202111151355:SR	Composite	Zinc	7440-66-6	120	ug/L		1	ug/L	1	ug/L	200.8	Clackamas County-Water	AC24715
AC24715	2021/11/15	13:55	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24715:202111151355:SR	Composite	Copper, dissolved	7440-50-8	2.1	ug/L		0.1	ug/L	0.1	ug/L	200.8	Clackamas County-Water	AC24715
AC24715	2021/11/15	13:55	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24715:202111151355:SR	Composite	Lead, dissolved	7439-92-1	0.04	ug/L		0.01	ug/L	0.01	ug/L	200.8	Clackamas County-Water	AC24715
AC24715	2021/11/15	13:55	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24715:202111151355:SR	Composite	Zinc, dissolved	7440-66-6	101	ug/L		1	ug/L	1	ug/L	200.8	Clackamas County-Water	AC24715
AC24715	2021/11/15	13:55	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24715:202111151355:SR	Composite	Total Hardness	N/A	29	mg/l CaCO3		5.3	mg/l CaCO3	5.3	mg/l CaCO3	2340c	Clackamas County-Water	AC24715
AC24715	2021/11/15	13:55	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24715:202111151355:SR	Composite	Ammonia-nitrogen	N/A	0.053	mg/L		0.0205	mg/L	0.0205	mg/L	4500-NH3 G	Clackamas County-Water	AC24715
AC24715	2021/11/15	13:55	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24715:202111151355:SR	Composite	Nitrate/Nitrite as N	14797-55-8	0.35	mg/L		0.0625	mg/L	0.0625	mg/L	4500-NO3(F)	Clackamas County-Water	AC24715
AC24715	2021/11/15	13:55	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24715:202111151355:SR	Composite	Orthophosphate	14265-44-2	0.025	mg/L	<0.025	0.025	mg/L	0.025	mg/L	4500-P-F	Clackamas County-Water	AC24715
AC24715	2021/11/15	13:55	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24715:202111151355:SR	Composite	Phosphorus	7723-14-0	0.08	mg/L		N/A	mg/L	0.02	mg/L	365.3	ALS Environmental Kelso	AC24715
AC24715	2021/11/15	13:55	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24715:202111151355:SR	Composite	Total Dissolved Solids	N/A	53	mg/L		5.6	mg/L	5.6	mg/L	2540-C	Clackamas County-Water	AC24715
AC24715	2021/11/15	13:55	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24715:202111151355:SR	Composite	Total Suspended Solids	N/A	11	mg/L		1.17	mg/L	1.17	mg/L	2540-D	Clackamas County-Water	AC24715
AC24715	2021/11/15	13:55	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24715:202111151355:SR	Composite	Total Solids	N/A	5	mg/L		5	mg/L	5	mg/L	2540-B	Clackamas County-Water	AC24715
AC24723	2021/11/15	11:55	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24723:202111151155:SR	Grab	E. Coli	68583-22-2	161	MPN/100ml		1	MPN/100ml	1	MPN/100ml	COULERT/2000	Clackamas County-Water	AC24723
AC24723	2021/11/15	11:55	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24723:202111151155:SR	Field Meter	Acidity, hydrogen ion (H+)	N/A	6.8	SU		N/A	SU	N/A	SU	4500-H+B	Clackamas County-Water	AC24723
AC24723	2021/11/15	11:55	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24723:202111151155:SR	Field Meter	Conductivity	N/A	117.6	uS/cm		N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC24723
AC24723	2021/11/15	11:55	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24723:202111151155:SR	Field Meter	Temperature, water	N/A	15.1	deg C		N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC24723
AC24723	2021/11/15	11:55	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24723:202111151155:SR	Grab	Dissolved Oxygen	N/A	8.5	mg/L		0.02	mg/L	0.02	mg/L	4500-O-C	Clackamas County-Water	AC24723
AC24716	2021/11/15	13:56	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24716:202111151356:SR	Composite	Copper	7440-50-8	15.6	ug/L		0.1	ug/L	0.1	ug/L	200.8	Clackamas County-Water	AC24716
AC24716	2021/11/15	13:56	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24716:202111151356:SR	Composite	Lead	7439-92-1	2.55	ug/L		0.01	ug/L	0.01	ug/L	200.8	Clackamas County-Water	AC24716
AC24716	2021/11/15	13:56	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24716:202111151356:SR	Composite	Zinc	7440-66-6	48	ug/L		1	ug/L	1	ug/L	200.8	Clackamas County-Water	AC24716
AC24716	2021/11/15	13:56	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24716:202111151356:SR	Composite	Copper, dissolved	7440-50-8	2.5	ug/L		0.1	ug/L	0.1	ug/L	200.8	Clackamas County-Water	AC24716
AC24716	2021/11/15	13:56	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24716:202111151356:SR	Composite	Lead, dissolved	7439-92-1	0.03	ug/L		0.01	ug/L	0.01	ug/L	200.8	Clackamas County-Water	AC24716
AC24716	2021/11/15	13:56	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24716:202111151356:SR	Composite	Zinc, dissolved	7440-66-6	10	ug/L		1	ug/L	1	ug/L	200.8	Clackamas County-Water	AC24716
AC24716	2021/11/15	13:56	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24716:202111151356:SR	Composite	Total Hardness	N/A	35	mg/l CaCO3		5.3	mg/l CaCO3	5.3	mg/l CaCO3	2340c	Clackamas County-Water	AC24716
AC24716	2021/11/15	13:56	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24716:202111151356:SR	Composite	Ammonia-nitrogen	N/A	0.041	mg/L		0.0205	mg/L	0.0205	mg/L	4500-NH3 G	Clackamas County-Water	AC24716
AC24716	2021/11/15	13:56	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24716:202111151356:SR	Composite	Nitrate/Nitrite as N	14797-55-8	0.65	mg/L		0.0625	mg/L	0.0625	mg/L	4500-NO3(F)	Clackamas County-Water	AC24716
AC24716	2021/11/15	13:56	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24716:202111151356:SR	Composite	Orthophosphate	14265-44-2	0.07	mg/L		0.025	mg/L	0.025	mg/L	4500-P-F	Clackamas County-Water	AC24716
AC24716	2021/11/15	13:56	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24716:202111151356:SR	Composite	Phosphorus	7723-14-0	0.33	mg/L		N/A	mg/L	0.02	mg/L	365.3	ALS Environmental Kelso	AC24716
AC24716	2021/11/15	13:56	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24716:202111151356:SR	Composite	Total Dissolved Solids	N/A	63	mg/L		5.6	mg/L	5.6	mg/L	2540-C	Clackamas County-Water	AC24716
AC24716	2021/11/15	13:56	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24716:202111151356:SR	Composite	Total Suspended Solids	N/A	113	mg/L		1.17	mg/L	1.17	mg/L	2540-D	Clackamas County-Water	AC24716
AC24716	2021/11/15	13:56	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24716:202111151356:SR	Composite	Total Solids	N/A	186	mg/L		5	mg/L	5	mg/L	2540-B	Clackamas County-Water	AC24716
AC24724	2021/11/15	11:56	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24724:202111151156:SR	Grab	E. Coli	68583-22-2	119	MPN/100ml		1	MPN/100ml	1	MPN/100ml	COULERT/2000	Clackamas County-Water	AC24724
AC24724	2021/11/15	11:56	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24724:202111151156:SR	Field Meter	Acidity, hydrogen ion (H+)	N/A	6.8	SU		N/A	SU	N/A	SU	4500-H+B	Clackamas County-Water	AC24724
AC24724	2021/11/15	11:56	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24724:202111151156:SR	Field Meter	Conductivity	N/A	171.9	uS/cm		N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC24724
AC24724	2021/11/15	11:56	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24724:202111151156:SR	Field Meter	Temperature, water	N/A	16	deg C		N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC24724
AC24724	2021/11/15	11:56	PST (~Nov-Feb)	Stormwater	Sample-Routine	AC24724:202111151156:SR	Grab	Dissolved Oxygen	N/A	6.5	mg/L		0.02	mg/L	0.02	mg/L	4500-O-C	Clackamas County-Water	AC24724
AC31149	2022/04/04	7:35	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31149:202204040735:SR	Composite	Copper	7440-50-8	3.36	ug/L		0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC31149
AC31149	2022/04/04	7:35	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31149:202204040735:SR	Composite	Lead	7439-92-1	0.876	ug/L		0.01	ug/L	0.01	ug/L	200.8	ALS Environmental Kelso	AC31149
AC31149	2022/04/04	7:35	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31149:202204040735:SR	Composite	Zinc	7440-66-6	154	ug/L		1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC31149
AC31149	2022/04/04	7:35	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31149:202204040735:SR	Composite	Copper, dissolved	7440-50-8	2.36	ug/L		0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC31149
AC31149	2022/04/04	7:35	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31149:202204040735:SR	Composite	Lead, dissolved	7439-92-1	0.089	ug/L		0.01	ug/L	0.01	ug/L	200.8	ALS Environmental Kelso	AC31149
AC31149	2022/04/04	7:35	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31149:202204040735:SR	Composite	Zinc, dissolved	7440-66-6	130	ug/L		1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC31149
AC31149	2022/04/04	7:35	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31149:202204040735:SR	Composite	Total Hardness	N/A	9	mg/l CaCO3		5.3	mg/l CaCO3	5.3	mg/l CaCO3	2340c	Clackamas County-Water	AC31149
AC31149	2022/04/04	7:35	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31149:202204040735:SR	Composite	Ammonia-nitrogen	N/A	0.068	mg/L		0.0205	mg/L	0.0205	mg/L	4500-NH3 G	Clackamas County-Water	AC31149
AC31149	2022/04/04	7:35	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31149:202204040735:SR	Composite	Nitrate/Nitrite as N	14797-55-8	0.14	mg/L		0.0625	mg/L	0.0625	mg/L	4500-NO3(F)	Clackamas County-Water	AC31149
AC31149	2022/04/04	7:35	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31149:202204040735:SR	Composite	Orthophosphate	14265-44-2	0.07	mg/L	<0.025	0.025	mg/L	0.025	mg/L	4500-P-F	Clackamas County-Water	AC31149
AC31149	2022/04/04	7:35	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31149:202204040735:SR	Composite	Phosphorus	7723-14-0	0.07	mg/L		N/A	mg/L	0.02	mg/L	365.3	ALS Environmental Kelso	AC31149
AC31149	2022/04/04	7:35	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31149:202204040735:SR	Composite	Total Dissolved Solids	N/A	19	mg/L		5.6	mg/L	5.6	mg/L	2540-C	Clackamas County-Water	AC31149
AC31149	2022/04/04	7:35	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31149:202204040735:SR	Composite	Total Suspended Solids	N/A	9.7	mg/L		1.17	mg/L	1.17	mg/L	2540-D	Clackamas County-Water	AC31149
AC31149	2022/04/04	7:35	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31149:202204040735:SR	Composite	Total Solids	N/A	32	mg/L		5	mg/L	5	mg/L	2540-B	Clackamas County-Water	AC31149
AC31156	2022/04/04																		

Monitoring Location ID	Activity Start Date	Activity Start Time	Activity Start/End Time Zone	Activity Media Subdivision Name	Activity Type	Activity ID (Locked)	Sample Collection Method	Characteristic Name	CAS Number	Result Value	Result Unit	Result Measure Qualifier	Detection Limit Value	Detection Limit Unit	Reporting Limit Value	Reporting Limit Unit	Result Analytical Method ID	Laboratory Name	Lab Sample ID
AC31158	2022/04/04	5:05	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31158:202204040505:SR	Field Meter	Conductivity	N/A	28.6	uS/cm		N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC31158
AC31158	2022/04/04	5:05	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31158:202204040505:SR	Field Meter	Temperature, water	N/A	9.7	deg C		N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC31158
AC31158	2022/04/04	5:05	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31158:202204040505:SR	Grab	Dissolved Oxygen	N/A	10.2	mg/L		0.02	mg/L	0.02	mg/L	4500-O-C	Clackamas County-Water	AC31158
AC31152	2022/04/04	7:08	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31152:202204040708:SR	Composite	Copper	7440-50-8	4.19	ug/L		0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC31152
AC31152	2022/04/04	7:08	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31152:202204040708:SR	Composite	Lead	7439-92-1	0.313	ug/L		0.01	ug/L	0.01	ug/L	200.8	ALS Environmental Kelso	AC31152
AC31152	2022/04/04	7:08	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31152:202204040708:SR	Composite	Zinc	7440-66-6	17.1	ug/L		1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC31152
AC31152	2022/04/04	7:08	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31152:202204040708:SR	Composite	Copper, dissolved	7440-50-8	2.93	ug/L		0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC31152
AC31152	2022/04/04	7:08	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31152:202204040708:SR	Composite	Lead, dissolved	7439-92-1	0.043	ug/L		0.01	ug/L	0.01	ug/L	200.8	ALS Environmental Kelso	AC31152
AC31152	2022/04/04	7:08	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31152:202204040708:SR	Composite	Zinc, dissolved	7440-66-6	11	ug/L		1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC31152
AC31152	2022/04/04	7:08	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31152:202204040708:SR	Composite	Total Hardness	N/A	20	mg/l CaCO3		5.3	mg/l CaCO3	5.3	mg/l CaCO3	2340c	Clackamas County-Water	AC31152
AC31152	2022/04/04	7:08	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31152:202204040708:SR	Composite	Ammonia-nitrogen	N/A	0.08	mg/L		0.0205	mg/L	0.0205	mg/L	4500-NH3 G	Clackamas County-Water	AC31152
AC31152	2022/04/04	7:08	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31152:202204040708:SR	Composite	Nitrate/Nitrite as N	14797-55-8	0.33	mg/L		0.0625	mg/L	0.0625	mg/L	4500-NO3(F)	Clackamas County-Water	AC31152
AC31152	2022/04/04	7:08	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31152:202204040708:SR	Composite	Orthophosphate	14265-44-2	0.04	mg/L		0.025	mg/L	0.025	mg/L	4500-P-F	Clackamas County-Water	AC31152
AC31152	2022/04/04	7:08	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31152:202204040708:SR	Composite	Phosphorus	7723-14-0	0.11	mg/L		N/A	mg/L	0.02	mg/L	365.3	ALS Environmental Kelso	AC31152
AC31152	2022/04/04	7:08	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31152:202204040708:SR	Composite	Total Dissolved Solids	N/A	40	mg/L		5.6	mg/L	5.6	mg/L	2540-C	Clackamas County-Water	AC31152
AC31152	2022/04/04	7:08	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31152:202204040708:SR	Composite	Total Suspended Solids	N/A	13.3	mg/L		1.17	mg/L	1.17	mg/L	2540-D	Clackamas County-Water	AC31152
AC31152	2022/04/04	7:08	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31152:202204040708:SR	Composite	Total Solids	N/A	69	mg/L		5	mg/L	5	mg/L	2540-B	Clackamas County-Water	AC31152
AC31159	2022/04/04	5:08	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31159:202204040508:SR	Grab	E. Coli	68583-22-2		MPN/100ml	>2420	1	MPN/100ml	1	MPN/100ml	COULERT/2000	Clackamas County-Water	AC31159
AC31159	2022/04/04	5:08	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31159:202204040508:SR	Field Meter	Acidity, hydrogen ion (H+)	N/A	6.5	SU		N/A	SU	N/A	SU	4500-H+B	Clackamas County-Water	AC31159
AC31159	2022/04/04	5:08	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31159:202204040508:SR	Field Meter	Conductivity	N/A	28.5	uS/cm		N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC31159
AC31159	2022/04/04	5:08	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31159:202204040508:SR	Field Meter	Temperature, water	N/A	9.7	deg C		N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC31159
AC31159	2022/04/04	5:08	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31159:202204040508:SR	Grab	Dissolved Oxygen	N/A	9.9	mg/L		0.02	mg/L	0.02	mg/L	4500-O-C	Clackamas County-Water	AC31159
AC31153	2022/04/04	7:30	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31153:202204040730:SR	Composite	Copper	7440-50-8	2.99	ug/L		0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC31153
AC31153	2022/04/04	7:30	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31153:202204040730:SR	Composite	Lead	7439-92-1	0.366	ug/L		0.01	ug/L	0.01	ug/L	200.8	ALS Environmental Kelso	AC31153
AC31153	2022/04/04	7:30	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31153:202204040730:SR	Composite	Zinc	7440-66-6	41.2	ug/L		1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC31153
AC31153	2022/04/04	7:30	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31153:202204040730:SR	Composite	Copper, dissolved	7440-50-8	2.29	ug/L		0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC31153
AC31153	2022/04/04	7:30	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31153:202204040730:SR	Composite	Lead, dissolved	7439-92-1	0.077	ug/L		0.01	ug/L	0.01	ug/L	200.8	ALS Environmental Kelso	AC31153
AC31153	2022/04/04	7:30	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31153:202204040730:SR	Composite	Zinc, dissolved	7440-66-6	33.4	ug/L		1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC31153
AC31153	2022/04/04	7:30	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31153:202204040730:SR	Composite	Total Hardness	N/A	40	mg/l CaCO3		5.3	mg/l CaCO3	5.3	mg/l CaCO3	2340c	Clackamas County-Water	AC31153
AC31153	2022/04/04	7:30	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31153:202204040730:SR	Composite	Ammonia-nitrogen	N/A	0.037	mg/L		0.0205	mg/L	0.0205	mg/L	4500-NH3 G	Clackamas County-Water	AC31153
AC31153	2022/04/04	7:30	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31153:202204040730:SR	Composite	Nitrate/Nitrite as N	14797-55-8	1	mg/L		0.0625	mg/L	0.0625	mg/L	4500-NO3(F)	Clackamas County-Water	AC31153
AC31153	2022/04/04	7:30	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31153:202204040730:SR	Composite	Orthophosphate	14265-44-2	0.06	mg/L		0.025	mg/L	0.025	mg/L	4500-P-F	Clackamas County-Water	AC31153
AC31153	2022/04/04	7:30	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31153:202204040730:SR	Composite	Phosphorus	7723-14-0	0.11	mg/L		N/A	mg/L	0.02	mg/L	365.3	ALS Environmental Kelso	AC31153
AC31153	2022/04/04	7:30	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31153:202204040730:SR	Composite	Total Dissolved Solids	N/A	75	mg/L		5.6	mg/L	5.6	mg/L	2540-C	Clackamas County-Water	AC31153
AC31153	2022/04/04	7:30	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31153:202204040730:SR	Composite	Total Suspended Solids	N/A	6	mg/L		1.17	mg/L	1.17	mg/L	2540-D	Clackamas County-Water	AC31153
AC31153	2022/04/04	7:30	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31153:202204040730:SR	Composite	Total Solids	N/A	117	mg/L		5	mg/L	5	mg/L	2540-B	Clackamas County-Water	AC31153
AC31153	2022/04/04	7:30	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31153:202204040730:SR	Composite	Total volatile solids	N/A	57	mg/L		5	mg/L	5	mg/L	2540-E	Clackamas County-Water	AC31153
AC31160	2022/04/04	5:20	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31160:202204040520:SR	Grab	E. Coli	68583-22-2		MPN/100ml		1	MPN/100ml	1	MPN/100ml	COULERT/2000	Clackamas County-Water	AC31160
AC31160	2022/04/04	5:20	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31160:202204040520:SR	Field Meter	Acidity, hydrogen ion (H+)	N/A	6.5	SU		N/A	SU	N/A	SU	4500-H+B	Clackamas County-Water	AC31160
AC31160	2022/04/04	5:20	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31160:202204040520:SR	Field Meter	Conductivity	N/A	142.3	uS/cm		N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC31160
AC31160	2022/04/04	5:20	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31160:202204040520:SR	Field Meter	Temperature, water	N/A	10.3	deg C		N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC31160
AC31160	2022/04/04	5:20	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31160:202204040520:SR	Grab	Dissolved Oxygen	N/A	9.1	mg/L		0.02	mg/L	0.02	mg/L	4500-O-C	Clackamas County-Water	AC31160
AC31828	2022/04/18	13:57	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31828:202204181357:SR	Composite	Copper	7440-50-8	6.25	ug/L		0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC31828
AC31828	2022/04/18	13:57	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31828:202204181357:SR	Composite	Lead	7439-92-1	1.13	ug/L		0.01	ug/L	0.01	ug/L	200.8	ALS Environmental Kelso	AC31828
AC31828	2022/04/18	13:57	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31828:202204181357:SR	Composite	Zinc	7440-66-6	174	ug/L		1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC31828
AC31828	2022/04/18	13:57	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31828:202204181357:SR	Composite	Copper, dissolved	7440-50-8	3.88	ug/L		0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC31828
AC31828	2022/04/18	13:57	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31828:202204181357:SR	Composite	Lead, dissolved	7439-92-1	0.123	ug/L		0.01	ug/L	0.01	ug/L	200.8	ALS Environmental Kelso	AC31828
AC31828	2022/04/18	13:57	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31828:202204181357:SR	Composite	Zinc, dissolved	7440-66-6	150	ug/L		1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC31828
AC31828	2022/04/18	13:57	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31828:202204181357:SR	Composite	Total Hardness	N/A	30	mg/l CaCO3		5.3	mg/l CaCO3	5.3	mg/l CaCO3	2340c	Clackamas County-Water	AC31828
AC31828	2022/04/18	13:57	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31828:202204181357:SR	Composite	Ammonia-nitrogen	N/A	0.31	mg/L		0.0205	mg/L	0.0205	mg/L	4500-NH3 G	Clackamas County-Water	AC31828
AC31828	2022/04/18	13:57	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31828:202204181357:SR	Composite	Nitrate/Nitrite as N	14797-55-8	0.44	mg/L		0.0625	mg/L	0.0625	mg/L	4500-NO3(F)	Clackamas County-Water	AC31828
AC31828	2022/04/18	13:57	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31828:202204181357:SR	Composite	Orthophosphate	14265-44-2	0.04	mg/L		0.025	mg/L	0.025	mg/L	4500-P-F	Clackamas County-Water	AC31828
AC31828	2022/04/18	13:57	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31828:202204181357:SR	Composite	Phosphorus	7723-14-0	0.15	mg/L		N/A	mg/L	0.02	mg/L	365.3	ALS Environmental Kelso	AC31828
AC31828	2022/04/18	13:57	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31828:202204181357:SR	Composite	Total Dissolved Solids	N/A	67	mg/L		5.6	mg/L	5.6	mg/L	2540-C	Clackamas County-Water	AC31828
AC31828	2022/04/18	13:57	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31828:202204181357:SR	Composite	Total Suspended Solids	N/A	18.7	mg/L		1.17	mg/L	1.17	mg/L	2540-D	Clackamas County-Water	AC31828
AC31828	2022/04/18	13:57	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31828:202204181357:SR</													

Monitoring Location ID	Activity Start Date	Activity Start Time	Activity Start/End Time Zone	Activity Media Subdivision Name	Activity Type	Activity ID (Locked)	Sample Collection Method	Characteristic Name	CAS Number	Result Value	Result Unit	Result Measure Qualifier	Detection Limit Value	Detection Limit Unit	Reporting Limit Value	Reporting Limit Unit	Result Analytical Method ID	Laboratory Name	Lab Sample ID
AC31837	2022/04/18	12:05	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31837:202204181205:SR	Field Meter	Acidity, hydrogen ion (H+)	N/A	6.6	SU		N/A	SU	N/A	SU	4500-H+B	Clackamas County-Water	AC31837
AC31837	2022/04/18	12:05	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31837:202204181205:SR	Field Meter	Conductivity	N/A	148	uS/cm		N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC31837
AC31837	2022/04/18	12:05	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31837:202204181205:SR	Field Meter	Temperature, water	N/A	12	deg C		N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC31837
AC31837	2022/04/18	12:05	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31837:202204181205:SR	Grab	Dissolved Oxygen	N/A	7	mg/L		N/A	mg/L	N/A	mg/L	4500-O-C	Clackamas County-Water	AC31837
AC31831	2022/04/18	14:10	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31831:202204181410:SR	Composite	Copper	7440-50-8	14	ug/L		N/A	ug/L	N/A	ug/L	200.8	ALS Environmental Kelso	AC31831
AC31831	2022/04/18	14:10	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31831:202204181410:SR	Composite	Lead	7439-92-1	0.287	ug/L		N/A	ug/L	N/A	ug/L	200.8	ALS Environmental Kelso	AC31831
AC31831	2022/04/18	14:10	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31831:202204181410:SR	Composite	Zinc	7440-66-6	24.8	ug/L		N/A	ug/L	N/A	ug/L	200.8	ALS Environmental Kelso	AC31831
AC31831	2022/04/18	14:10	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31831:202204181410:SR	Composite	Copper, dissolved	7440-50-8	11.2	ug/L		N/A	ug/L	N/A	ug/L	200.8	ALS Environmental Kelso	AC31831
AC31831	2022/04/18	14:10	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31831:202204181410:SR	Composite	Lead, dissolved	7439-92-1	0.035	ug/L		N/A	ug/L	N/A	ug/L	200.8	ALS Environmental Kelso	AC31831
AC31831	2022/04/18	14:10	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31831:202204181410:SR	Composite	Zinc, dissolved	7440-66-6	1	ug/L		N/A	ug/L	N/A	ug/L	200.8	ALS Environmental Kelso	AC31831
AC31831	2022/04/18	14:10	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31831:202204181410:SR	Composite	Total Hardness	N/A	32	mg/L CaCO3		N/A	mg/L CaCO3	N/A	mg/L CaCO3	2340c	Clackamas County-Water	AC31831
AC31831	2022/04/18	14:10	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31831:202204181410:SR	Composite	Ammonia-nitrogen	N/A	0.28	mg/L		N/A	mg/L	N/A	mg/L	4500-NH3 G	Clackamas County-Water	AC31831
AC31831	2022/04/18	14:10	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31831:202204181410:SR	Composite	Nitrate/Nitrite as N	14797-55-8	0.58	mg/L		N/A	mg/L	N/A	mg/L	4500-NO3(F)	Clackamas County-Water	AC31831
AC31831	2022/04/18	14:10	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31831:202204181410:SR	Composite	Orthophosphate	14265-44-2		mg/L	<0.025	N/A	mg/L	N/A	mg/L	4500-P-F	Clackamas County-Water	AC31831
AC31831	2022/04/18	14:10	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31831:202204181410:SR	Composite	Phosphorus	7723-14-0	0.1	mg/L		N/A	mg/L	N/A	mg/L	365.3	ALS Environmental Kelso	AC31831
AC31831	2022/04/18	14:10	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31831:202204181410:SR	Composite	Total Dissolved Solids	N/A	70	mg/L		N/A	mg/L	N/A	mg/L	2540-C	Clackamas County-Water	AC31831
AC31831	2022/04/18	14:10	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31831:202204181410:SR	Composite	Total Suspended Solids	N/A	9.3	mg/L		N/A	mg/L	N/A	mg/L	2540-D	Clackamas County-Water	AC31831
AC31831	2022/04/18	14:10	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31831:202204181410:SR	Composite	Total Solids	N/A	103	mg/L		N/A	mg/L	N/A	mg/L	2540-B	Clackamas County-Water	AC31831
AC31838	2022/04/18	12:11	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31838:202204181211:SR	Grab	E. Coli	68583-22-2	236	MPN/100ml		N/A	MPN/100ml	N/A	MPN/100ml	COLILERT/2000	Clackamas County-Water	AC31838
AC31838	2022/04/18	12:11	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31838:202204181211:SR	Field Meter	Acidity, hydrogen ion (H+)	N/A	6.7	SU		N/A	SU	N/A	SU	4500-H+B	Clackamas County-Water	AC31838
AC31838	2022/04/18	12:11	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31838:202204181211:SR	Field Meter	Conductivity	N/A	133	uS/cm		N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC31838
AC31838	2022/04/18	12:11	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31838:202204181211:SR	Field Meter	Temperature, water	N/A	11.9	deg C		N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC31838
AC31838	2022/04/18	12:11	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31838:202204181211:SR	Grab	Dissolved Oxygen	N/A	8.2	mg/L		N/A	mg/L	N/A	mg/L	4500-O-C	Clackamas County-Water	AC31838
AC31834	2022/04/18	13:50	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31834:202204181350:SR	Composite	Copper	7440-50-8	1.1	ug/L		N/A	ug/L	N/A	ug/L	200.8	ALS Environmental Kelso	AC31834
AC31834	2022/04/18	13:50	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31834:202204181350:SR	Composite	Lead	7439-92-1	0.185	ug/L		N/A	ug/L	N/A	ug/L	200.8	ALS Environmental Kelso	AC31834
AC31834	2022/04/18	13:50	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31834:202204181350:SR	Composite	Zinc	7440-66-6	44.8	ug/L		N/A	ug/L	N/A	ug/L	200.8	ALS Environmental Kelso	AC31834
AC31834	2022/04/18	13:50	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31834:202204181350:SR	Composite	Copper, dissolved	7440-50-8	9.08	ug/L		N/A	ug/L	N/A	ug/L	200.8	ALS Environmental Kelso	AC31834
AC31834	2022/04/18	13:50	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31834:202204181350:SR	Composite	Lead, dissolved	7439-92-1	0.035	ug/L		N/A	ug/L	N/A	ug/L	200.8	ALS Environmental Kelso	AC31834
AC31834	2022/04/18	13:50	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31834:202204181350:SR	Composite	Zinc, dissolved	7440-66-6	46.5	ug/L		N/A	ug/L	N/A	ug/L	200.8	ALS Environmental Kelso	AC31834
AC31834	2022/04/18	13:50	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31834:202204181350:SR	Composite	Total Hardness	N/A	59	mg/L CaCO3		N/A	mg/L CaCO3	N/A	mg/L CaCO3	2340c	Clackamas County-Water	AC31834
AC31834	2022/04/18	13:50	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31834:202204181350:SR	Composite	Ammonia-nitrogen	N/A	0.085	mg/L		N/A	mg/L	N/A	mg/L	4500-NH3 G	Clackamas County-Water	AC31834
AC31834	2022/04/18	13:50	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31834:202204181350:SR	Composite	Nitrate/Nitrite as N	14797-55-8	1.5	mg/L		N/A	mg/L	N/A	mg/L	4500-NO3(F)	Clackamas County-Water	AC31834
AC31834	2022/04/18	13:50	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31834:202204181350:SR	Composite	Orthophosphate	14265-44-2	0.025	mg/L		N/A	mg/L	N/A	mg/L	4500-P-F	Clackamas County-Water	AC31834
AC31834	2022/04/18	13:50:00	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31834:202204181350:SR	Composite	Phosphorus	7723-14-0	0.08	mg/L		N/A	mg/L	N/A	mg/L	365.3	ALS Environmental Kelso	AC31834
AC31834	2022/04/18	13:50:00	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31834:202204181350:SR	Composite	Total Dissolved Solids	N/A	99	mg/L		N/A	mg/L	N/A	mg/L	2540-C	Clackamas County-Water	AC31834
AC31834	2022/04/18	13:50:00	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31834:202204181350:SR	Composite	Total Suspended Solids	N/A	5.7	mg/L		N/A	mg/L	N/A	mg/L	2540-D	Clackamas County-Water	AC31834
AC31834	2022/04/18	13:50:00	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31834:202204181350:SR	Composite	Total Solids	N/A	128	mg/L		N/A	mg/L	N/A	mg/L	2540-B	Clackamas County-Water	AC31834
AC31834	2022/04/18	13:50:00	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31834:202204181350:SR	Composite	Total volatile solids	N/A	51	mg/L		N/A	mg/L	N/A	mg/L	2540-E	Clackamas County-Water	AC31834
AC31841	2022/04/18	11:50:00	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31841:202204181150:SR	Grab	E. Coli	68583-22-2	105	MPN/100ml		N/A	MPN/100ml	N/A	MPN/100ml	COLILERT/2000	Clackamas County-Water	AC31841
AC31841	2022/04/18	11:50:00	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31841:202204181150:SR	Field Meter	Acidity, hydrogen ion (H+)	N/A	6.7	SU		N/A	SU	N/A	SU	4500-H+B	Clackamas County-Water	AC31841
AC31841	2022/04/18	11:50:00	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31841:202204181150:SR	Field Meter	Conductivity	N/A	125.6	uS/cm		N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC31841
AC31841	2022/04/18	11:50:00	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31841:202204181150:SR	Field Meter	Temperature, water	N/A	11.5	deg C		N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC31841
AC31841	2022/04/18	11:50:00	PDT (~Mar-Oct)	Stormwater	Sample-Routine	AC31841:202204181150:SR	Grab	Dissolved Oxygen	N/A	8.2	mg/L		N/A	mg/L	N/A	mg/L	4500-O-C	Clackamas County-Water	AC31841
AC19548	2021/07/15	7:43:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19548:202107150743:SR	Grab	Copper	7440-50-8	0.8	ug/L		N/A	ug/L	N/A	ug/L	200.8	Clackamas County-Water	AC19548
AC19548	2021/07/15	7:43:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19548:202107150743:SR	Grab	Lead	7439-92-1	0.26	ug/L		N/A	ug/L	N/A	ug/L	200.8	Clackamas County-Water	AC19548
AC19548	2021/07/15	7:43:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19548:202107150743:SR	Grab	Zinc	7440-66-6	1	ug/L	<1	N/A	ug/L	N/A	ug/L	200.8	Clackamas County-Water	AC19548
AC19548	2021/07/15	7:43:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19548:202107150743:SR	Grab	Copper, dissolved	7440-50-8	0.7	ug/L		N/A	ug/L	N/A	ug/L	200.8	Clackamas County-Water	AC19548
AC19548	2021/07/15	7:43:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19548:202107150743:SR	Grab	Lead, dissolved	7439-92-1		ug/L	<0.01	N/A	ug/L	N/A	ug/L	200.8	Clackamas County-Water	AC19548
AC19548	2021/07/15	7:43:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19548:202107150743:SR	Grab	Zinc, dissolved	7440-66-6	1	ug/L		N/A	ug/L	N/A	ug/L	200.8	Clackamas County-Water	AC19548
AC19548	2021/07/15	7:43:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19548:202107150743:SR	Grab	E. Coli	68583-22-2	397	MPN/100ml		N/A	MPN/100ml	N/A	MPN/100ml	COLILERT/2000	Clackamas County-Water	AC19548
AC19548	2021/07/15	7:43:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19548:202107150743:SR	Grab	Total Hardness	N/A	60	mg/L CaCO3		N/A	mg/L CaCO3	N/A	mg/L CaCO3	2340c	Clackamas County-Water	AC19548
AC19548	2021/07/15	7:43:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19548:202107150743:SR	Grab	Ammonia-nitrogen	N/A	0.032	mg/L		N/A	mg/L	N/A	mg/L	4500-NH3 G	Clackamas County-Water	AC19548
AC19548	2021/07/15	7:43:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19548:202107150743:SR	Grab	Nitrate/Nitrite as N	14797-55-8	1	mg/L		N/A	mg/L	N/A	mg/L	4500-NO3(F)	Clackamas County-Water	AC19548
AC19548	2021/07/15	7:43:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19548:202107150743:SR	Grab	Orthophosphate	14265-44-2	0.06	mg/L		N/A	mg/L	N/A	mg/L	4500-P-F	Clackamas County-Water	AC19548
AC19548	2021/07/15	7:43:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19548:202107150743:SR	Grab	Phosphorus	7723-14-0	0.09	mg/L		N/A	mg/L	N/A	mg/L	365.3	ALS Environmental Kelso	AC19548
AC19548	2021/07/15	7:43:00	PDT (~Mar-Oct)	Surface Water	Field Measurement/Observation	AC19548:202107150743:FM	Field Meter	Acidity, hydrogen ion (H+)	N/A	7.6	SU		N/A	SU	N/A	SU	4500-H+B	Clackamas County-Water	AC19548
AC19548	2021/07/15	7:43:00	PDT (~Mar-Oct)	Surface Water	Field Measurement/Observation	AC19548:202107150743:FM	Field Meter	Conductivity	N/A	167.9	uS/cm		N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC19548
AC19548	2021/07/15	7:43:00	PDT (~Mar-Oct)	Surface Water	Field Measurement/Observation	AC19548:202107150743:FM	Field Meter	Temperature, water	N/A	15.9	deg C		N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC19548
AC19548	2021/07/15	7:43:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19548:202107150743:SR	Grab	Total Dissolved Solids	N/A	119	mg/L		N/A	mg/L	N/A	mg/L	2540-C	Clackamas County-Water	AC19548
AC19548	2021/07/15	7:43:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19548:202107150743:SR	Grab	Total Suspended Solids	N/A	13	mg/L		N/A	mg/L	N/A	mg/L	2540-D	Clackamas County-Water	AC19548
AC19548	2021/07/15	7:43:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19548:202107150743:SR	Grab	Total Solids	N/A	141	mg/L		N/A	mg/L	N/A	mg/L	2540-B	Clackamas County-Water	AC19548
AC19548	2021/07/15	7:43:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19548:202107150743:SR	Grab	Total volatile solids	N/A	45	mg/L		N/A	mg/L	N/A	mg/L	2540-E	Clackamas County-Water	AC19548
AC19548	2021/07/15	7:43:00</																	

Monitoring Location ID	Activity Start Date	Activity Start Time	Activity Start/End Time Zone	Activity Media Subdivision Name	Activity Type	Activity ID (Locked)	Sample Collection Method	Characteristic Name	CAS Number	Result Value	Result Unit	Result Measure Qualifier	Detection Limit Value	Detection Limit Unit	Reporting Limit Value	Reporting Limit Unit	Result Analytical Method ID	Laboratory Name	Lab Sample ID
AC19550	2021/07/15	0.375	PDT (~Mar-Oct)	Surface Water	Field Measurement/Observation	AC19550:202107150900-FM	Field Meter	Conductivity	N/A	177	uS/cm						2510	Clackamas County-Water	AC19550
AC19550	2021/07/15	0.375	PDT (~Mar-Oct)	Surface Water	Field Measurement/Observation	AC19550:202107150900-FM	Field Meter	Temperature, water	N/A	16	deg C						2550 B	Clackamas County-Water	AC19550
AC19550	2021/07/15	0.375	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19550:202107150900-SR	Grab	Total Dissolved Solids	N/A	133	mg/L						2540-C	Clackamas County-Water	AC19550
AC19550	2021/07/15	0.375	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19550:202107150900-SR	Grab	Total Suspended Solids	N/A	<1.0	mg/L						2540-D	Clackamas County-Water	AC19550
AC19550	2021/07/15	0.375	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19550:202107150900-SR	Grab	Total Solids	N/A	147	mg/L						2540-B	Clackamas County-Water	AC19550
AC19550	2021/07/15	0.375	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19550:202107150900-SR	Grab	Dissolved Oxygen	N/A	9.3	mg/L						4500-O-C	Clackamas County-Water	AC19550
AC19551	2021/07/15	09:44	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19551:202107150944-SR	Grab	Copper	7440-50-8	1.2	ug/L						200.8	Clackamas County-Water	AC19551
AC19551	2021/07/15	09:44	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19551:202107150944-SR	Grab	Lead	7439-92-1	0.27	ug/L						200.8	Clackamas County-Water	AC19551
AC19551	2021/07/15	09:44	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19551:202107150944-SR	Grab	Zinc	7440-66-6	8	ug/L						200.8	Clackamas County-Water	AC19551
AC19551	2021/07/15	09:44	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19551:202107150944-SR	Grab	Copper, dissolved	7440-50-8	0.9	ug/L						200.8	Clackamas County-Water	AC19551
AC19551	2021/07/15	09:44	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19551:202107150944-SR	Grab	Lead, dissolved	7439-92-1	0.03	ug/L						200.8	Clackamas County-Water	AC19551
AC19551	2021/07/15	09:44	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19551:202107150944-SR	Grab	Zinc, dissolved	7440-66-6	6	ug/L						200.8	Clackamas County-Water	AC19551
AC19551	2021/07/15	09:44	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19551:202107150944-SR	Grab	E. Coli	68583-22-2	1990	MPN/100ml						COLILERT/2000	Clackamas County-Water	AC19551
AC19551	2021/07/15	09:44	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19551:202107150944-SR	Grab	Total Hardness	N/A	67	mg/l CaCO3						2340c	Clackamas County-Water	AC19551
AC19551	2021/07/15	09:44	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19551:202107150944-SR	Grab	Ammonia-nitrogen	N/A	0.0205	mg/L						4500-NH3 G	Clackamas County-Water	AC19551
AC19551	2021/07/15	09:44	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19551:202107150944-SR	Grab	Nitrate/Nitrite as N	14797-55-8	0.69	mg/L						4500-NO3(F)	Clackamas County-Water	AC19551
AC19551	2021/07/15	09:44	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19551:202107150944-SR	Grab	Orthophosphate	14265-44-2	0.03	mg/L						4500-P-F	Clackamas County-Water	AC19551
AC19551	2021/07/15	09:44	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19551:202107150944-SR	Grab	Phosphorus	7723-14-0	0.06	mg/L						365.3	ALS Environmental Kelso	AC19551
AC19551	2021/07/15	09:44	PDT (~Mar-Oct)	Surface Water	Field Measurement/Observation	AC19551:202107150944-FM	Field Meter	Acidity, hydrogen ion (H+)	N/A	7.8	SU						4500-H+B	Clackamas County-Water	AC19551
AC19551	2021/07/15	09:44	PDT (~Mar-Oct)	Surface Water	Field Measurement/Observation	AC19551:202107150944-FM	Field Meter	Conductivity	N/A	164.8	uS/cm						2510	Clackamas County-Water	AC19551
AC19551	2021/07/15	09:44	PDT (~Mar-Oct)	Surface Water	Field Measurement/Observation	AC19551:202107150944-FM	Field Meter	Temperature, water	N/A	16.9	deg C						2550 B	Clackamas County-Water	AC19551
AC19551	2021/07/15	09:44	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19551:202107150944-SR	Grab	Total Dissolved Solids	N/A	116	mg/L						2540-C	Clackamas County-Water	AC19551
AC19551	2021/07/15	09:44	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19551:202107150944-SR	Grab	Total Suspended Solids	N/A	<1.0	mg/L						2540-D	Clackamas County-Water	AC19551
AC19551	2021/07/15	09:44	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19551:202107150944-SR	Grab	Total Solids	N/A	133	mg/L						2540-B	Clackamas County-Water	AC19551
AC19551	2021/07/15	09:44	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19551:202107150944-SR	Grab	Dissolved Oxygen	N/A	9	mg/L						4500-O-C	Clackamas County-Water	AC19551
AC19552	2021/07/15	10:11	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19552:202107151011-SR	Grab	Copper	7440-50-8	0.9	ug/L						200.8	Clackamas County-Water	AC19552
AC19552	2021/07/15	10:11	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19552:202107151011-SR	Grab	Lead	7439-92-1	0.56	ug/L						200.8	Clackamas County-Water	AC19552
AC19552	2021/07/15	10:11	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19552:202107151011-SR	Grab	Zinc	7440-66-6	8	ug/L						200.8	Clackamas County-Water	AC19552
AC19552	2021/07/15	10:11	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19552:202107151011-SR	Grab	Copper, dissolved	7440-50-8	0.3	ug/L						200.8	Clackamas County-Water	AC19552
AC19552	2021/07/15	10:11	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19552:202107151011-SR	Grab	Lead, dissolved	7439-92-1	0.02	ug/L						200.8	Clackamas County-Water	AC19552
AC19552	2021/07/15	10:11	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19552:202107151011-SR	Grab	Zinc, dissolved	7440-66-6	6	ug/L						200.8	Clackamas County-Water	AC19552
AC19552	2021/07/15	10:11	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19552:202107151011-SR	Grab	E. Coli	68583-22-2	387	MPN/100ml						COLILERT/2000	Clackamas County-Water	AC19552
AC19552	2021/07/15	10:11	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19552:202107151011-SR	Grab	Total Hardness	N/A	86	mg/l CaCO3						2340c	Clackamas County-Water	AC19552
AC19552	2021/07/15	10:11	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19552:202107151011-SR	Grab	Ammonia-nitrogen	N/A	0.089	mg/L						4500-NH3 G	Clackamas County-Water	AC19552
AC19552	2021/07/15	10:11	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19552:202107151011-SR	Grab	Nitrate/Nitrite as N	14797-55-8	0.0625	mg/L						4500-NO3(F)	Clackamas County-Water	AC19552
AC19552	2021/07/15	10:11	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19552:202107151011-SR	Grab	Orthophosphate	14265-44-2	0.08	mg/L						4500-P-F	Clackamas County-Water	AC19552
AC19552	2021/07/15	10:11	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19552:202107151011-SR	Grab	Phosphorus	7723-14-0	0.16	mg/L						365.3	ALS Environmental Kelso	AC19552
AC19552	2021/07/15	10:11	PDT (~Mar-Oct)	Surface Water	Field Measurement/Observation	AC19552:202107151011-FM	Field Meter	Acidity, hydrogen ion (H+)	N/A	7	SU						4500-H+B	Clackamas County-Water	AC19552
AC19552	2021/07/15	10:11	PDT (~Mar-Oct)	Surface Water	Field Measurement/Observation	AC19552:202107151011-FM	Field Meter	Conductivity	N/A	202	uS/cm						2510	Clackamas County-Water	AC19552
AC19552	2021/07/15	10:11	PDT (~Mar-Oct)	Surface Water	Field Measurement/Observation	AC19552:202107151011-FM	Field Meter	Temperature, water	N/A	16.2	deg C						2550 B	Clackamas County-Water	AC19552
AC19552	2021/07/15	10:11	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19552:202107151011-SR	Grab	Total Dissolved Solids	N/A	170	mg/L						2540-C	Clackamas County-Water	AC19552
AC19552	2021/07/15	10:11	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19552:202107151011-SR	Grab	Total Suspended Solids	N/A	5	mg/L						2540-D	Clackamas County-Water	AC19552
AC19552	2021/07/15	10:11	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19552:202107151011-SR	Grab	Total Solids	N/A	187	mg/L						2540-B	Clackamas County-Water	AC19552
AC19552	2021/07/15	10:11	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19552:202107151011-SR	Grab	Dissolved Oxygen	N/A	6.7	mg/L						4500-O-C	Clackamas County-Water	AC19552
AC19553	2021/07/15	10:33	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19553:202107151033-SR	Grab	Copper	7440-50-8	1	ug/L						200.8	Clackamas County-Water	AC19553
AC19553	2021/07/15	10:33	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19553:202107151033-SR	Grab	Lead	7439-92-1	0.32	ug/L						200.8	Clackamas County-Water	AC19553
AC19553	2021/07/15	10:33	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19553:202107151033-SR	Grab	Zinc	7440-66-6	6	ug/L						200.8	Clackamas County-Water	AC19553
AC19553	2021/07/15	10:33	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19553:202107151033-SR	Grab	Copper, dissolved	7440-50-8	0.6	ug/L						200.8	Clackamas County-Water	AC19553
AC19553	2021/07/15	10:33	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19553:202107151033-SR	Grab	Lead, dissolved	7439-92-1	0.04	ug/L						200.8	Clackamas County-Water	AC19553
AC19553	2021/07/15	10:33	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19553:202107151033-SR	Grab	Zinc, dissolved	7440-66-6	6	ug/L						200.8	Clackamas County-Water	AC19553
AC19553	2021/07/15	10:33	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19553:202107151033-SR	Grab	E. Coli	68583-22-2	281	MPN/100ml						COLILERT/2000	Clackamas County-Water	AC19553
AC19553	2021/07/15	10:33	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19553:202107151033-SR	Grab	Total Hardness	N/A	94	mg/l CaCO3						2340c	Clackamas County-Water	AC19553
AC19553	2021/07/15	10:33	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19553:202107151033-SR	Grab	Ammonia-nitrogen	N/A	0.067	mg/L						4500-NH3 G	Clackamas County-Water	AC19553
AC19553	2021/07/15	10:33	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19553:202107151033-SR	Grab	Nitrate/Nitrite as N	14797-55-8	0.29	mg/L						4500-NO3(F)	Clackamas County-Water	AC19553
AC19553	2021/07/15	10:33	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19553:202107151033-SR	Grab	Orthophosphate	14265-44-2	0.09	mg/L						4500-P-F	Clackamas County-Water	AC19553
AC19553	2021/07/15	10:33	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19553:202107151033-SR	Grab	Phosphorus	7723-14-0	0.15	mg/L						365.3	ALS Environmental Kelso	AC19553
AC19553	2021/07/15	10:33	PDT (~Mar-Oct)	Surface Water	Field Measurement/Observation	AC19553:202107151033-FM	Field Meter	Acidity, hydrogen ion (H+)	N/A	7.7	SU						4500-H+B	Clackamas County-Water	AC19553
AC19553	2021/07/15	10:33	PDT (~Mar-Oct)	Surface Water	Field Measurement/Observation	AC19553:202107151033-FM	Field Meter	Conductivity	N/A	216	uS/cm						2510	Clackamas County-Water	AC19553
AC19553	2021/07/15	10:33	PDT (~Mar-Oct)	Surface Water	Field Measurement/Observation	AC19553:202107151033-FM	Field Meter	Temperature, water	N/A	18.9	deg C						2550 B	Clackamas County-Water	AC19553
AC19553	2021/07/15	10:33	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19553:202107151033-SR	Grab	Total Dissolved Solids	N/A	154	mg/L						2540-C	Clackamas County-Water	AC19553
AC19553	2021/07/15	10:33	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19553:202107151033-SR	Grab	Total Suspended Solids	N/A	2	mg/L						2540-D	Clackamas County-Water	AC19553
AC19553	2021/07/15	10:33	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19553:202107151033-SR	Grab	Total Solids	N/A	171	mg/L						2540-B	Clackamas County-Water	AC19553
AC19553	2021/07/15	10:33	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19553:202107151033-SR	Grab	Dissolved Oxygen	N/A	7.8	mg/L						4500-O-C	Clackamas County-Water	AC19553
AC19554	2021/07/15	09:15	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19554:202107150915-SR	Grab	Copper	7440-50-8	0.6	ug/L						200.8	Clackamas County-Water	AC19554
AC19554	2021/07/15	09:15	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19554:202107150915-SR	Grab	Lead	7439-92-1	0.19	ug/L						200.8	Clackamas County-Water	AC19554
AC19554	2021/07/15	09:15	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19554:202107150915-SR	Grab	Zinc	7440-66-6	1	ug/L						200.8	Clackamas County-Water	AC19554
AC19554	2021/07																		

Monitoring Location ID	Activity Start Date	Activity Start Time	Activity Start/End Time Zone	Activity Media Subdivision Name	Activity Type	Activity ID (Locked)	Sample Collection Method	Characteristic Name	CAS Number	Result Value	Result Unit	Result Measure Qualifier	Detection Limit Value	Detection Limit Unit	Reporting Limit Value	Reporting Limit Unit	Result Analytical Method ID	Laboratory Name	Lab Sample ID
AC19555	2021/07/15	10:58	PDT (~Mar-Oct)	Surface Water	Field Measurement/Observation	AC19555:202107151058:FM	Field Meter	Conductivity	N/A	211 uS/cm							2510	Clackamas County-Water	AC19555
AC19555	2021/07/15	10:58	PDT (~Mar-Oct)	Surface Water	Field Measurement/Observation	AC19555:202107151058:FM	Field Meter	Temperature, water	N/A	17.8 deg C							2550 B	Clackamas County-Water	AC19555
AC19555	2021/07/15	10:58	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19555:202107151058:SR	Grab	Total Dissolved Solids	N/A	162 mg/L			5.6 mg/L		5.6 mg/L		2540-C	Clackamas County-Water	AC19555
AC19555	2021/07/15	10:58	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19555:202107151058:SR	Grab	Total Suspended Solids	N/A	5 mg/L			1.17 mg/L		1.17 mg/L		2540-D	Clackamas County-Water	AC19555
AC19555	2021/07/15	10:58	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19555:202107151058:SR	Grab	Total Solids	N/A	179 mg/L			5 mg/L		5 mg/L		2540-B	Clackamas County-Water	AC19555
AC19555	2021/07/15	10:58	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC19555:202107151058:SR	Grab	Dissolved Oxygen	N/A	9.3 mg/L			0.02 mg/L		0.02 mg/L		4500-O-C	Clackamas County-Water	AC19555
AC20327	2021/08/04	07:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20327:202108040735:SR	Grab	Copper	7440-50-8	1.3 ug/L			0.1 ug/L		0.1 ug/L		200.8	Clackamas County-Water	AC20327
AC20327	2021/08/04	07:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20327:202108040735:SR	Grab	Lead	7439-92-1	0.65 ug/L			0.01 ug/L		0.01 ug/L		200.8	Clackamas County-Water	AC20327
AC20327	2021/08/04	07:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20327:202108040735:SR	Grab	Zinc	7440-66-6	4 ug/L			1 ug/L		1 ug/L		200.8	Clackamas County-Water	AC20327
AC20327	2021/08/04	07:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20327:202108040735:SR	Grab	Copper, dissolved	7440-50-8	0.7 ug/L			0.1 ug/L		0.1 ug/L		200.8	Clackamas County-Water	AC20327
AC20327	2021/08/04	07:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20327:202108040735:SR	Grab	Lead, dissolved	7439-92-1	4 ug/L	<0.01		1 ug/L		0.01 ug/L		200.8	Clackamas County-Water	AC20327
AC20327	2021/08/04	07:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20327:202108040735:SR	Grab	Zinc, dissolved	7440-66-6	4 ug/L	<1		1 ug/L		0.01 ug/L		200.8	Clackamas County-Water	AC20327
AC20327	2021/08/04	07:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20327:202108040735:SR	Grab	E. Coli	68583-22-2	687 MPN/100ml			1 MPN/100ml		1 MPN/100ml		COLILERT/2000	Clackamas County-Water	AC20327
AC20327	2021/08/04	07:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20327:202108040735:SR	Grab	Total Hardness	N/A	63 mg/l CaCO3			5.3 mg/l CaCO3		5.3 mg/l CaCO3		2340c	Clackamas County-Water	AC20327
AC20327	2021/08/04	07:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20327:202108040735:SR	Grab	Ammonia-nitrogen	N/A	0.0205 mg/L			0.0205 mg/L		0.0205 mg/L		4500-NH3 G	Clackamas County-Water	AC20327
AC20327	2021/08/04	07:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20327:202108040735:SR	Grab	Nitrate/Nitrite as N	14797-55-8	0.83 mg/L			0.0625 mg/L		0.0625 mg/L		4500-NO3(F)	Clackamas County-Water	AC20327
AC20327	2021/08/04	07:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20327:202108040735:SR	Grab	Orthophosphate	14265-44-2	0.08 mg/L			0.006 mg/L		0.006 mg/L		4500-P-F	Clackamas County-Water	AC20327
AC20327	2021/08/04	07:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20327:202108040735:SR	Grab	Phosphorus	7723-14-0	0.12 mg/L			0.02 mg/L		0.02 mg/L		365.3	ALS Environmental Kelso	AC20327
AC20327	2021/08/04	07:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20327:202108040735:SR	Field Meter	Acidity, hydrogen ion (H+)	N/A	7.6 SU					SU		4500-H+B	Clackamas County-Water	AC20327
AC20327	2021/08/04	07:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20327:202108040735:SR	Field Meter	Conductivity	N/A	163.9 uS/cm					uS/cm		2510	Clackamas County-Water	AC20327
AC20327	2021/08/04	07:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20327:202108040735:SR	Field Meter	Temperature, water	N/A	17.2 deg C					deg C		2550 B	Clackamas County-Water	AC20327
AC20327	2021/08/04	07:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20327:202108040735:SR	Grab	Total Dissolved Solids	N/A	126 mg/L			5.6 mg/L		5.6 mg/L		2540-C	Clackamas County-Water	AC20327
AC20327	2021/08/04	07:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20327:202108040735:SR	Grab	Total Suspended Solids	N/A	29 mg/L			1.17 mg/L		1.17 mg/L		2540-D	Clackamas County-Water	AC20327
AC20327	2021/08/04	07:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20327:202108040735:SR	Grab	Total Solids	N/A	158 mg/L			5 mg/L		5 mg/L		2540-B	Clackamas County-Water	AC20327
AC20327	2021/08/04	07:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20327:202108040735:SR	Grab	Total volatile solids	N/A	37 mg/L			5 mg/L		5 mg/L		2540-E	Clackamas County-Water	AC20327
AC20327	2021/08/04	07:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20327:202108040735:SR	Grab	Dissolved Oxygen	N/A	7.8 mg/L			0.02 mg/L		0.02 mg/L		4500-O-C	Clackamas County-Water	AC20327
AC20328	2021/08/04	08:28	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20328:202108040828:SR	Grab	Copper	7440-50-8	0.7 ug/L			0.1 ug/L		0.1 ug/L		200.8	Clackamas County-Water	AC20328
AC20328	2021/08/04	08:28	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20328:202108040828:SR	Grab	Lead	7439-92-1	0.29 ug/L			0.01 ug/L		0.01 ug/L		200.8	Clackamas County-Water	AC20328
AC20328	2021/08/04	08:28	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20328:202108040828:SR	Grab	Zinc	7440-66-6	6 ug/L			1 ug/L		1 ug/L		200.8	Clackamas County-Water	AC20328
AC20328	2021/08/04	08:28	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20328:202108040828:SR	Grab	Copper, dissolved	7440-50-8	0.5 ug/L			0.1 ug/L		0.1 ug/L		200.8	Clackamas County-Water	AC20328
AC20328	2021/08/04	08:28	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20328:202108040828:SR	Grab	Lead, dissolved	7439-92-1	4 ug/L	<0.01		0.01 ug/L		0.01 ug/L		200.8	Clackamas County-Water	AC20328
AC20328	2021/08/04	08:28	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20328:202108040828:SR	Grab	Zinc, dissolved	7440-66-6	4 ug/L			1 ug/L		1 ug/L		200.8	Clackamas County-Water	AC20328
AC20328	2021/08/04	08:28	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20328:202108040828:SR	Grab	E. Coli	68583-22-2	166 MPN/100ml			1 MPN/100ml		1 MPN/100ml		COLILERT/2000	Clackamas County-Water	AC20328
AC20328	2021/08/04	08:28	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20328:202108040828:SR	Grab	Total Hardness	N/A	137 mg/l CaCO3			5.3 mg/l CaCO3		5.3 mg/l CaCO3		2340c	Clackamas County-Water	AC20328
AC20328	2021/08/04	08:28	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20328:202108040828:SR	Grab	Ammonia-nitrogen	N/A	0.012 mg/L			0.0205 mg/L		0.0205 mg/L		4500-NH3 G	Clackamas County-Water	AC20328
AC20328	2021/08/04	08:28	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20328:202108040828:SR	Grab	Nitrate/Nitrite as N	14797-55-8	0.68 mg/L			0.0625 mg/L		0.0625 mg/L		4500-NO3(F)	Clackamas County-Water	AC20328
AC20328	2021/08/04	08:28	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20328:202108040828:SR	Grab	Orthophosphate	14265-44-2	0.02 mg/L			0.025 mg/L		0.025 mg/L		4500-P-F	Clackamas County-Water	AC20328
AC20328	2021/08/04	08:28	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20328:202108040828:SR	Grab	Phosphorus	7723-14-0	0.05 mg/L			0.02 mg/L		0.02 mg/L		365.3	ALS Environmental Kelso	AC20328
AC20328	2021/08/04	08:28	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20328:202108040828:SR	Field Meter	Acidity, hydrogen ion (H+)	N/A	7.6 SU					SU		4500-H+B	Clackamas County-Water	AC20328
AC20328	2021/08/04	08:28	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20328:202108040828:SR	Field Meter	Conductivity	N/A	298 uS/cm					uS/cm		2510	Clackamas County-Water	AC20328
AC20328	2021/08/04	08:28	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20328:202108040828:SR	Field Meter	Temperature, water	N/A	17.5 deg C					deg C		2550 B	Clackamas County-Water	AC20328
AC20328	2021/08/04	08:28	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20328:202108040828:SR	Grab	Total Dissolved Solids	N/A	185 mg/L			5.6 mg/L		5.6 mg/L		2540-C	Clackamas County-Water	AC20328
AC20328	2021/08/04	08:28	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20328:202108040828:SR	Grab	Total Suspended Solids	N/A	1 mg/L			1.17 mg/L		1.17 mg/L		2540-D	Clackamas County-Water	AC20328
AC20328	2021/08/04	08:28	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20328:202108040828:SR	Grab	Total Solids	N/A	208 mg/L			5 mg/L		5 mg/L		2540-B	Clackamas County-Water	AC20328
AC20328	2021/08/04	08:28	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20328:202108040828:SR	Grab	Dissolved Oxygen	N/A	5 mg/L			0.02 mg/L		0.02 mg/L		4500-O-C	Clackamas County-Water	AC20328
AC20329	2021/08/04	09:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20329:202108040905:SR	Grab	Copper	7440-50-8	0.9 ug/L			0.1 ug/L		0.1 ug/L		200.8	Clackamas County-Water	AC20329
AC20329	2021/08/04	09:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20329:202108040905:SR	Grab	Lead	7439-92-1	0.27 ug/L			0.01 ug/L		0.01 ug/L		200.8	Clackamas County-Water	AC20329
AC20329	2021/08/04	09:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20329:202108040905:SR	Grab	Zinc	7440-66-6	6 ug/L			1 ug/L		1 ug/L		200.8	Clackamas County-Water	AC20329
AC20329	2021/08/04	09:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20329:202108040905:SR	Grab	Copper, dissolved	7440-50-8	0.7 ug/L			0.1 ug/L		0.1 ug/L		200.8	Clackamas County-Water	AC20329
AC20329	2021/08/04	09:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20329:202108040905:SR	Grab	Lead, dissolved	7439-92-1	4 ug/L	<0.01		0.01 ug/L		0.01 ug/L		200.8	Clackamas County-Water	AC20329
AC20329	2021/08/04	09:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20329:202108040905:SR	Grab	Zinc, dissolved	7440-66-6	4 ug/L			1 ug/L		1 ug/L		200.8	Clackamas County-Water	AC20329
AC20329	2021/08/04	09:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20329:202108040905:SR	Grab	E. Coli	68583-22-2	192 MPN/100ml			1 MPN/100ml		1 MPN/100ml		COLILERT/2000	Clackamas County-Water	AC20329
AC20329	2021/08/04	09:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20329:202108040905:SR	Grab	Total Hardness	N/A	74 mg/l CaCO3			5.3 mg/l CaCO3		5.3 mg/l CaCO3		2340c	Clackamas County-Water	AC20329
AC20329	2021/08/04	09:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20329:202108040905:SR	Grab	Ammonia-nitrogen	N/A	0.035 mg/L			0.0205 mg/L		0.0205 mg/L		4500-NH3 G	Clackamas County-Water	AC20329
AC20329	2021/08/04	09:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20329:202108040905:SR	Grab	Nitrate/Nitrite as N	14797-55-8	1.3 mg/L			0.0625 mg/L		0.0625 mg/L		4500-NO3(F)	Clackamas County-Water	AC20329
AC20329	2021/08/04	09:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20329:202108040905:SR	Grab	Orthophosphate	14265-44-2	0.08 mg/L			0.025 mg/L		0.025 mg/L		4500-P-F	Clackamas County-Water	AC20329

Monitoring Location ID	Activity Start Date	Activity Start Time	Activity Start/End Time Zone	Activity Media Subdivision Name	Activity Type	Activity ID (Locked)	Sample Collection Method	Characteristic Name	CAS Number	Result Value	Result Unit	Result Measure Qualifier	Detection Limit Value	Detection Limit Unit	Reporting Limit Value	Reporting Limit Unit	Result Analytical Method ID	Laboratory Name	Lab Sample ID
AC20331	2021/08/04	10:15	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20331:202108041015:SR	Field Meter	Acidity, hydrogen ion (H+)	N/A	6.9 SU			N/A	SU	N/A	SU	4500-H+B	Clackamas County-Water	AC20331
AC20331	2021/08/04	10:15	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20331:202108041015:SR	Field Meter	Conductivity	N/A	201 uS/cm			N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC20331
AC20331	2021/08/04	10:15	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20331:202108041015:SR	Field Meter	Temperature, water	N/A	16.9 deg C			N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC20331
AC20331	2021/08/04	10:15	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20331:202108041015:SR	Grab	Total Dissolved Solids	N/A	168 mg/L			N/A	mg/L	N/A	mg/L	2540-C	Clackamas County-Water	AC20331
AC20331	2021/08/04	10:15	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20331:202108041015:SR	Grab	Total Suspended Solids	N/A	2 mg/L			N/A	mg/L	N/A	mg/L	2540-D	Clackamas County-Water	AC20331
AC20331	2021/08/04	10:15	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20331:202108041015:SR	Grab	Total Solids	N/A	195 mg/L			N/A	mg/L	N/A	mg/L	2540-B	Clackamas County-Water	AC20331
AC20331	2021/08/04	10:15	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20331:202108041015:SR	Grab	Dissolved Oxygen	N/A	5.7 mg/L			N/A	mg/L	N/A	mg/L	4500-O-C	Clackamas County-Water	AC20331
AC20332	2021/08/04	10:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20332:202108041035:SR	Grab	Copper	7440-50-8	1 ug/L			N/A	ug/L	N/A	ug/L	200.8	Clackamas County-Water	AC20332
AC20332	2021/08/04	10:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20332:202108041035:SR	Grab	Lead	7439-92-1	0.49 ug/L			N/A	ug/L	N/A	ug/L	200.8	Clackamas County-Water	AC20332
AC20332	2021/08/04	10:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20332:202108041035:SR	Grab	Zinc	7440-66-6	7 ug/L			N/A	ug/L	N/A	ug/L	200.8	Clackamas County-Water	AC20332
AC20332	2021/08/04	10:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20332:202108041035:SR	Grab	Copper, dissolved	7440-50-8	0.6 ug/L			N/A	ug/L	N/A	ug/L	200.8	Clackamas County-Water	AC20332
AC20332	2021/08/04	10:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20332:202108041035:SR	Grab	Lead, dissolved	7439-92-1	0.04 ug/L			N/A	ug/L	N/A	ug/L	200.8	Clackamas County-Water	AC20332
AC20332	2021/08/04	10:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20332:202108041035:SR	Grab	Zinc, dissolved	7440-66-6	3 ug/L			N/A	ug/L	N/A	ug/L	200.8	Clackamas County-Water	AC20332
AC20332	2021/08/04	10:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20332:202108041035:SR	Grab	E. Coli	68583-22-2	980 MPN/100ml			N/A	MPN/100ml	N/A	MPN/100ml	COLILERT/2000	Clackamas County-Water	AC20332
AC20332	2021/08/04	10:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20332:202108041035:SR	Grab	Total Hardness	N/A	96 mg/l CaCO3			N/A	mg/l CaCO3	N/A	mg/l CaCO3	2340c	Clackamas County-Water	AC20332
AC20332	2021/08/04	10:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20332:202108041035:SR	Grab	Ammonia-nitrogen	N/A	0.054 mg/L			N/A	mg/L	N/A	mg/L	4500-NH3 G	Clackamas County-Water	AC20332
AC20332	2021/08/04	10:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20332:202108041035:SR	Grab	Nitrate/Nitrite as N	14797-55-8	<0.21			N/A	mg/L	N/A	mg/L	4500-NO3(F)	Clackamas County-Water	AC20332
AC20332	2021/08/04	10:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20332:202108041035:SR	Grab	Orthophosphate	14265-44-2	0.08 mg/L			N/A	mg/L	N/A	mg/L	4500-P-F	Clackamas County-Water	AC20332
AC20332	2021/08/04	10:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20332:202108041035:SR	Grab	Phosphorus	7723-14-0	0.16 mg/L			N/A	mg/L	N/A	mg/L	365.3	ALS Environmental Kelso	AC20332
AC20332	2021/08/04	10:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20332:202108041035:SR	Field Meter	Acidity, hydrogen ion (H+)	N/A	7.6 SU			N/A	SU	N/A	SU	4500-H+B	Clackamas County-Water	AC20332
AC20332	2021/08/04	10:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20332:202108041035:SR	Field Meter	Conductivity	N/A	216 uS/cm			N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC20332
AC20332	2021/08/04	10:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20332:202108041035:SR	Field Meter	Temperature, water	N/A	20.7 deg C			N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC20332
AC20332	2021/08/04	10:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20332:202108041035:SR	Grab	Total Dissolved Solids	N/A	151 mg/L			N/A	mg/L	N/A	mg/L	2540-C	Clackamas County-Water	AC20332
AC20332	2021/08/04	10:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20332:202108041035:SR	Grab	Total Suspended Solids	N/A	1 mg/L			N/A	mg/L	N/A	mg/L	2540-D	Clackamas County-Water	AC20332
AC20332	2021/08/04	10:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20332:202108041035:SR	Grab	Total Solids	N/A	179 mg/L			N/A	mg/L	N/A	mg/L	2540-B	Clackamas County-Water	AC20332
AC20332	2021/08/04	10:35	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20332:202108041035:SR	Grab	Dissolved Oxygen	N/A	5.8 mg/L			N/A	mg/L	N/A	mg/L	4500-O-C	Clackamas County-Water	AC20332
AC20333	2021/08/04	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20333:202108040920:SR	Grab	Copper	7440-50-8	0.7 ug/L			N/A	ug/L	N/A	ug/L	200.8	Clackamas County-Water	AC20333
AC20333	2021/08/04	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20333:202108040920:SR	Grab	Lead	7439-92-1	0.24 ug/L			N/A	ug/L	N/A	ug/L	200.8	Clackamas County-Water	AC20333
AC20333	2021/08/04	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20333:202108040920:SR	Grab	Zinc	7440-66-6	1 ug/L			N/A	ug/L	N/A	ug/L	200.8	Clackamas County-Water	AC20333
AC20333	2021/08/04	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20333:202108040920:SR	Grab	Copper, dissolved	7440-50-8	0.5 ug/L			N/A	ug/L	N/A	ug/L	200.8	Clackamas County-Water	AC20333
AC20333	2021/08/04	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20333:202108040920:SR	Grab	Lead, dissolved	7439-92-1	<0.01			N/A	ug/L	N/A	ug/L	200.8	Clackamas County-Water	AC20333
AC20333	2021/08/04	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20333:202108040920:SR	Grab	Zinc, dissolved	7440-66-6	<1			N/A	ug/L	N/A	ug/L	200.8	Clackamas County-Water	AC20333
AC20333	2021/08/04	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20333:202108040920:SR	Grab	E. Coli	68583-22-2	96 MPN/100ml			N/A	MPN/100ml	N/A	MPN/100ml	COLILERT/2000	Clackamas County-Water	AC20333
AC20333	2021/08/04	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20333:202108040920:SR	Grab	Total Hardness	N/A	85 mg/l CaCO3			N/A	mg/l CaCO3	N/A	mg/l CaCO3	2340c	Clackamas County-Water	AC20333
AC20333	2021/08/04	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20333:202108040920:SR	Grab	Ammonia-nitrogen	N/A	0.032 mg/L			N/A	mg/L	N/A	mg/L	4500-NH3 G	Clackamas County-Water	AC20333
AC20333	2021/08/04	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20333:202108040920:SR	Grab	Nitrate/Nitrite as N	14797-55-8	0.38 mg/L			N/A	mg/L	N/A	mg/L	4500-NO3(F)	Clackamas County-Water	AC20333
AC20333	2021/08/04	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20333:202108040920:SR	Grab	Orthophosphate	14265-44-2	0.1 mg/L			N/A	mg/L	N/A	mg/L	4500-P-F	Clackamas County-Water	AC20333
AC20333	2021/08/04	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20333:202108040920:SR	Grab	Phosphorus	7723-14-0	0.1 mg/L			N/A	mg/L	N/A	mg/L	365.3	ALS Environmental Kelso	AC20333
AC20333	2021/08/04	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20333:202108040920:SR	Field Meter	Acidity, hydrogen ion (H+)	N/A	7.8 SU			N/A	SU	N/A	SU	4500-H+B	Clackamas County-Water	AC20333
AC20333	2021/08/04	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20333:202108040920:SR	Field Meter	Conductivity	N/A	191.2 uS/cm			N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC20333
AC20333	2021/08/04	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20333:202108040920:SR	Field Meter	Temperature, water	N/A	18.4 deg C			N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC20333
AC20333	2021/08/04	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20333:202108040920:SR	Grab	Total Dissolved Solids	N/A	136 mg/L			N/A	mg/L	N/A	mg/L	2540-C	Clackamas County-Water	AC20333
AC20333	2021/08/04	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20333:202108040920:SR	Grab	Total Suspended Solids	N/A	1 mg/L			N/A	mg/L	N/A	mg/L	2540-D	Clackamas County-Water	AC20333
AC20333	2021/08/04	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20333:202108040920:SR	Grab	Total Solids	N/A	153 mg/L			N/A	mg/L	N/A	mg/L	2540-B	Clackamas County-Water	AC20333
AC20333	2021/08/04	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20333:202108040920:SR	Grab	Dissolved Oxygen	N/A	8.3 mg/L			N/A	mg/L	N/A	mg/L	4500-O-C	Clackamas County-Water	AC20333
AC20334	2021/08/04	11:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20334:202108041100:SR	Grab	Copper	7440-50-8	0.7 ug/L			N/A	ug/L	N/A	ug/L	200.8	Clackamas County-Water	AC20334
AC20334	2021/08/04	11:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20334:202108041100:SR	Grab	Lead	7439-92-1	0.47 ug/L			N/A	ug/L	N/A	ug/L	200.8	Clackamas County-Water	AC20334
AC20334	2021/08/04	11:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20334:202108041100:SR	Grab	Zinc	7440-66-6	5 ug/L			N/A	ug/L	N/A	ug/L	200.8	Clackamas County-Water	AC20334
AC20334	2021/08/04	11:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20334:202108041100:SR	Grab	Copper, dissolved	7440-50-8	0.5 ug/L			N/A	ug/L	N/A	ug/L	200.8	Clackamas County-Water	AC20334
AC20334	2021/08/04	11:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20334:202108041100:SR	Grab	Lead, dissolved	7439-92-1	0.03 ug/L			N/A	ug/L	N/A	ug/L	200.8	Clackamas County-Water	AC20334
AC20334	2021/08/04	11:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20334:202108041100:SR	Grab	Zinc, dissolved	7440-66-6	2 ug/L			N/A	ug/L	N/A	ug/L	200.8	Clackamas County-Water	AC20334
AC20334	2021/08/04	11:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20334:202108041100:SR	Grab	E. Coli	68583-22-2	687 MPN/100ml			N/A	MPN/100ml	N/A	MPN/100ml	COLILERT/2000	Clackamas County-Water	AC20334
AC20334	2021/08/04	11:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20334:202108041100:SR	Grab	Total Hardness	N/A	92 mg/l CaCO3			N/A	mg/l CaCO3	N/A	mg/l CaCO3	2340c	Clackamas County-Water	AC20334
AC20334	2021/08/04	11:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20334:202108041100:SR	Grab	Ammonia-nitrogen	N/A	0.016 mg/L			N/A	mg/L	N/A	mg/L	4500-NH3 G	Clackamas County-Water	AC20334
AC20334	2021/08/04	11:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20334:202108041100:SR	Grab	Nitrate/Nitrite as N	14797-55-8	0.0625 mg/L			N/A	mg/L	N/A	mg/L	4500-NO3(F)	Clackamas County-Water	AC20334
AC20334	2021/08/04	11:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20334:202108041100:SR	Grab	Orthophosphate	14265-44-2	0.09 mg/L			N/A	mg/L	N/A	mg/L	4500-P-F	Clackamas County-Water	AC20334
AC20334	2021/08/04	11:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC20													

Monitoring Location ID	Activity Start Date	Activity Start Time	Activity Start/End Time Zone	Activity Media Subdivision Name	Activity Type	Activity ID (Locked)	Sample Collection Method	Characteristic Name	CAS Number	Result Value	Result Unit	Result Measure Qualifier	Detection Limit Value	Detection Limit Unit	Reporting Limit Value	Reporting Limit Unit	Result Analytical Method ID	Laboratory Name	Lab Sample ID
AC21418	2021/09/01	09:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21418:202109010900:SR	Grab	Phosphorus	7723-14-0	0.05 mg/L			N/A	mg/L	0.02 mg/L		365.3	ALS Environmental Kelso	AC21418
AC21418	2021/09/01	09:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21418:202109010900:SR	Field Meter	Acidity, hydrogen ion (H+)	N/A	7.4 SU			N/A	SU	N/A		4500-H+B	Clackamas County-Water	AC21418
AC21418	2021/09/01	09:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21418:202109010900:SR	Field Meter	Conductivity	N/A	322 uS/cm			N/A	uS/cm	N/A		2510	Clackamas County-Water	AC21418
AC21418	2021/09/01	09:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21418:202109010900:SR	Field Meter	Temperature, water	N/A	12.9 deg C			N/A	deg C	N/A		2550 B	Clackamas County-Water	AC21418
AC21418	2021/09/01	09:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21418:202109010900:SR	Grab	Total Dissolved Solids	N/A	196 mg/L			N/A	mg/L	5.6 mg/L		2540-C	Clackamas County-Water	AC21418
AC21418	2021/09/01	09:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21418:202109010900:SR	Grab	Total Suspended Solids	N/A	21 mg/L			N/A	mg/L	1.17 mg/L		2540-D	Clackamas County-Water	AC21418
AC21418	2021/09/01	09:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21418:202109010900:SR	Grab	Total Solids	N/A	233 mg/L			N/A	mg/L	5 mg/L		2540-B	Clackamas County-Water	AC21418
AC21418	2021/09/01	09:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21418:202109010900:SR	Grab	Dissolved Oxygen	N/A	6.7 mg/L			N/A	mg/L	0.02 mg/L		4500-O-C	Clackamas County-Water	AC21418
AC21419	2021/09/01	09:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21419:202109010940:SR	Grab	Copper	7440-50-8	1 ug/L			N/A	ug/L	0.1 ug/L		200.8	Clackamas County-Water	AC21419
AC21419	2021/09/01	09:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21419:202109010940:SR	Grab	Lead	7439-92-1	0.27 ug/L			N/A	ug/L	0.01 ug/L		200.8	Clackamas County-Water	AC21419
AC21419	2021/09/01	09:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21419:202109010940:SR	Grab	Zinc	7440-66-6	6 ug/L			N/A	ug/L	1 ug/L		200.8	Clackamas County-Water	AC21419
AC21419	2021/09/01	09:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21419:202109010940:SR	Grab	Copper, dissolved	7440-50-8	0.9 ug/L			N/A	ug/L	0.1 ug/L		200.8	Clackamas County-Water	AC21419
AC21419	2021/09/01	09:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21419:202109010940:SR	Grab	Lead, dissolved	7439-92-1	0.01 ug/L	<0.01		N/A	ug/L	0.01 ug/L		200.8	Clackamas County-Water	AC21419
AC21419	2021/09/01	09:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21419:202109010940:SR	Grab	Zinc, dissolved	7440-66-6	5 ug/L			N/A	ug/L	1 ug/L		200.8	Clackamas County-Water	AC21419
AC21419	2021/09/01	09:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21419:202109010940:SR	Grab	E. Coli	68583-22-2	166 MPN/100ml			N/A	MPN/100ml	1 MPN/100ml		COLILERT/2000	Clackamas County-Water	AC21419
AC21419	2021/09/01	09:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21419:202109010940:SR	Grab	Total Hardness	N/A	75 mg/l CaCO3			N/A	mg/l CaCO3	5.3 mg/l CaCO3		2340c	Clackamas County-Water	AC21419
AC21419	2021/09/01	09:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21419:202109010940:SR	Grab	Ammonia-nitrogen	N/A	0.0125 mg/L			N/A	mg/L	0.0205 mg/L		4500-NH3 G	Clackamas County-Water	AC21419
AC21419	2021/09/01	09:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21419:202109010940:SR	Grab	Nitrate/Nitrite as N	14797-55-8	1.3 mg/L			N/A	mg/L	0.0625 mg/L		4500-NO3(F)	Clackamas County-Water	AC21419
AC21419	2021/09/01	09:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21419:202109010940:SR	Grab	Orthophosphate	14265-44-2	0.07 mg/L			N/A	mg/L	0.025 mg/L		4500-P-F	Clackamas County-Water	AC21419
AC21419	2021/09/01	09:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21419:202109010940:SR	Grab	Phosphorus	7723-14-0	0.08 mg/L			N/A	mg/L	0.02 mg/L		365.3	ALS Environmental Kelso	AC21419
AC21419	2021/09/01	09:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21419:202109010940:SR	Field Meter	Acidity, hydrogen ion (H+)	N/A	7.9 SU			N/A	SU	N/A		4500-H+B	Clackamas County-Water	AC21419
AC21419	2021/09/01	09:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21419:202109010940:SR	Field Meter	Conductivity	N/A	183.8 uS/cm			N/A	uS/cm	N/A		2510	Clackamas County-Water	AC21419
AC21419	2021/09/01	09:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21419:202109010940:SR	Field Meter	Temperature, water	N/A	12.8 deg C			N/A	deg C	N/A		2550 B	Clackamas County-Water	AC21419
AC21419	2021/09/01	09:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21419:202109010940:SR	Grab	Total Dissolved Solids	N/A	132 mg/L			N/A	mg/L	5.6 mg/L		2540-C	Clackamas County-Water	AC21419
AC21419	2021/09/01	09:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21419:202109010940:SR	Grab	Total Suspended Solids	N/A	2 mg/L			N/A	mg/L	1.17 mg/L		2540-D	Clackamas County-Water	AC21419
AC21419	2021/09/01	09:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21419:202109010940:SR	Grab	Total Solids	N/A	150 mg/L			N/A	mg/L	5 mg/L		2540-B	Clackamas County-Water	AC21419
AC21419	2021/09/01	09:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21419:202109010940:SR	Grab	Dissolved Oxygen	N/A	9.8 mg/L			N/A	mg/L	0.02 mg/L		4500-O-C	Clackamas County-Water	AC21419
AC21420	2021/09/01	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21420:202109011030:SR	Grab	Copper	7440-50-8	1.2 ug/L			N/A	ug/L	0.1 ug/L		200.8	Clackamas County-Water	AC21420
AC21420	2021/09/01	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21420:202109011030:SR	Grab	Lead	7439-92-1	0.45 ug/L			N/A	ug/L	0.01 ug/L		200.8	Clackamas County-Water	AC21420
AC21420	2021/09/01	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21420:202109011030:SR	Grab	Zinc	7440-66-6	8 ug/L			N/A	ug/L	1 ug/L		200.8	Clackamas County-Water	AC21420
AC21420	2021/09/01	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21420:202109011030:SR	Grab	Copper, dissolved	7440-50-8	0.9 ug/L			N/A	ug/L	0.1 ug/L		200.8	Clackamas County-Water	AC21420
AC21420	2021/09/01	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21420:202109011030:SR	Grab	Lead, dissolved	7439-92-1	0.02 ug/L			N/A	ug/L	0.01 ug/L		200.8	Clackamas County-Water	AC21420
AC21420	2021/09/01	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21420:202109011030:SR	Grab	Zinc, dissolved	7440-66-6	5 ug/L			N/A	ug/L	1 ug/L		200.8	Clackamas County-Water	AC21420
AC21420	2021/09/01	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21420:202109011030:SR	Grab	E. Coli	68583-22-2	248 MPN/100ml			N/A	MPN/100ml	1 MPN/100ml		COLILERT/2000	Clackamas County-Water	AC21420
AC21420	2021/09/01	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21420:202109011030:SR	Grab	Total Hardness	N/A	77 mg/l CaCO3			N/A	mg/l CaCO3	5.3 mg/l CaCO3		2340c	Clackamas County-Water	AC21420
AC21420	2021/09/01	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21420:202109011030:SR	Grab	Ammonia-nitrogen	N/A	mg/L			N/A	mg/L	0.0205 mg/L		4500-NH3 G	Clackamas County-Water	AC21420
AC21420	2021/09/01	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21420:202109011030:SR	Grab	Nitrate/Nitrite as N	14797-55-8	0.74 mg/L		<0.03	N/A	mg/L	0.0625 mg/L		4500-NO3(F)	Clackamas County-Water	AC21420
AC21420	2021/09/01	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21420:202109011030:SR	Grab	Orthophosphate	14265-44-2	0.05 mg/L			N/A	mg/L	0.025 mg/L		4500-P-F	Clackamas County-Water	AC21420
AC21420	2021/09/01	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21420:202109011030:SR	Grab	Phosphorus	7723-14-0	0.07 mg/L			N/A	mg/L	0.02 mg/L		365.3	ALS Environmental Kelso	AC21420
AC21420	2021/09/01	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21420:202109011030:SR	Field Meter	Acidity, hydrogen ion (H+)	N/A	7.9 SU			N/A	SU	N/A		4500-H+B	Clackamas County-Water	AC21420
AC21420	2021/09/01	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21420:202109011030:SR	Field Meter	Conductivity	N/A	188.7 uS/cm			N/A	uS/cm	N/A		2510	Clackamas County-Water	AC21420
AC21420	2021/09/01	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21420:202109011030:SR	Field Meter	Temperature, water	N/A	14.9 deg C			N/A	deg C	N/A		2550 B	Clackamas County-Water	AC21420
AC21420	2021/09/01	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21420:202109011030:SR	Grab	Total Dissolved Solids	N/A	128 mg/L			N/A	mg/L	5.6 mg/L		2540-C	Clackamas County-Water	AC21420
AC21420	2021/09/01	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21420:202109011030:SR	Grab	Total Suspended Solids	N/A	2 mg/L			N/A	mg/L	1.17 mg/L		2540-D	Clackamas County-Water	AC21420
AC21420	2021/09/01	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21420:202109011030:SR	Grab	Total Solids	N/A	140 mg/L			N/A	mg/L	5 mg/L		2540-B	Clackamas County-Water	AC21420
AC21420	2021/09/01	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21420:202109011030:SR	Grab	Dissolved Oxygen	N/A	9 mg/L			N/A	mg/L	0.02 mg/L		4500-O-C	Clackamas County-Water	AC21420
AC21421	2021/09/01	11:02	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21421:202109011102:SR	Grab	Copper	7440-50-8	0.6 ug/L			N/A	ug/L	0.1 ug/L		200.8	Clackamas County-Water	AC21421
AC21421	2021/09/01	11:02	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21421:202109011102:SR	Grab	Lead	7439-92-1	0.48 ug/L			N/A	ug/L	0.01 ug/L		200.8	Clackamas County-Water	AC21421
AC21421	2021/09/01	11:02	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21421:202109011102:SR	Grab	Zinc	7440-66-6	6 ug/L			N/A	ug/L	1 ug/L		200.8	Clackamas County-Water	AC21421
AC21421	2021/09/01	11:02	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21421:202109011102:SR	Grab	Copper, dissolved	7440-50-8	0.3 ug/L			N/A	ug/L	0.1 ug/L		200.8	Clackamas County-Water	AC21421
AC21421	2021/09/01	11:02	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21421:202109011102:SR	Grab	Lead, dissolved	7439-92-1	0.05 ug/L			N/A	ug/L	0.01 ug/L		200.8	Clackamas County-Water	AC21421
AC21421	2021/09/01	11:02	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21421:202109011102:SR	Grab	Zinc, dissolved	7440-66-6	3 ug/L			N/A	ug/L	1 ug/L		200.8	Clackamas County-Water	AC21421
AC21421	2021/09/01	11:02	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21421:202109011102:SR	Grab	E. Coli	68583-22-2	517 MPN/100ml			N/A	MPN/100ml	1 MPN/100ml		COLILERT/2000	Clackamas County-Water	AC21421
AC21421	2021/09/01	11:02	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21421:202109011102:SR	Grab	Total Hardness	N/A	85 mg/l CaCO3			N/A	mg/l CaCO3	5.3 mg/l CaCO3		2340c	Clackamas County-Water	AC21421
AC21421	2021/09/01	11:02	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21421:202109011102:SR	Grab	Ammonia-nitrogen	N/A	0.049 mg/L			N/A	mg/L	0.0205 mg/L		4500-NH3 G	Clackamas County-Water	AC21421
AC21421	2021/09/01	11:02	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21421:202109011102:SR	Grab	Nitrate/Nitrite as N	14797-55-8	2 mg/L			N/A	mg/L	0.0625 mg/L		4500-NO3(F)	Clackamas County-Water	AC21421
AC21421	2021/09/01	11:0																	

Monitoring Location ID	Activity Start Date	Activity Start Time	Activity Start/End Time Zone	Activity Media Subdivision Name	Activity Type	Activity ID (Locked)	Sample Collection Method	Characteristic Name	CAS Number	Result Value	Result Unit	Result Measure Qualifier	Detection Limit Value	Detection Limit Unit	Reporting Limit Value	Reporting Limit Unit	Result Analytical Method ID	Laboratory Name	Lab Sample ID
AC21423	2021/09/01	10:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21423-202109011000:SR	Grab	Phosphorus	7723-14-0	0.09 mg/L			N/A	mg/L	0.02 mg/L		365.3	ALS Environmental Kelso	AC21423
AC21423	2021/09/01	10:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21423-202109011000:SR	Field Meter	Acidity, hydrogen ion (H+)	N/A	7.8 SU			N/A	SU	N/A		4500-H+B	Clackamas County-Water	AC21423
AC21423	2021/09/01	10:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21423-202109011000:SR	Field Meter	Conductivity	N/A	193.6 uS/cm			N/A	uS/cm	N/A		2510	Clackamas County-Water	AC21423
AC21423	2021/09/01	10:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21423-202109011000:SR	Field Meter	Temperature, water	N/A	13.5 deg C			N/A	deg C	N/A		2550 B	Clackamas County-Water	AC21423
AC21423	2021/09/01	10:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21423-202109011000:SR	Grab	Total Dissolved Solids	N/A	121 mg/L				mg/L	5.6 mg/L	5.6 mg/L	2540-C	Clackamas County-Water	AC21423
AC21423	2021/09/01	10:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21423-202109011000:SR	Grab	Total Suspended Solids	N/A	1.17 mg/L		<1.0		mg/L	1.17 mg/L	1.17 mg/L	2540-D	Clackamas County-Water	AC21423
AC21423	2021/09/01	10:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21423-202109011000:SR	Grab	Total Solids	N/A	147 mg/L				mg/L	5 mg/L	5 mg/L	2540-B	Clackamas County-Water	AC21423
AC21423	2021/09/01	10:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21423-202109011000:SR	Grab	Dissolved Oxygen	N/A	9.3 mg/L				mg/L	0.02 mg/L	0.02 mg/L	4500-O-C	Clackamas County-Water	AC21423
AC21424	2021/09/01	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21424-202109011200:SR	Grab	Copper	7440-50-8	0.7 ug/L				ug/L	0.1 ug/L		200.8	Clackamas County-Water	AC21424
AC21424	2021/09/01	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21424-202109011200:SR	Grab	Lead	7439-92-1	0.36 ug/L				ug/L	0.01 ug/L		200.8	Clackamas County-Water	AC21424
AC21424	2021/09/01	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21424-202109011200:SR	Grab	Zinc	7440-66-6	5 ug/L				ug/L	1 ug/L		200.8	Clackamas County-Water	AC21424
AC21424	2021/09/01	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21424-202109011200:SR	Grab	Copper, dissolved	7440-50-8	0.5 ug/L				ug/L	0.1 ug/L		200.8	Clackamas County-Water	AC21424
AC21424	2021/09/01	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21424-202109011200:SR	Grab	Lead, dissolved	7439-92-1	0.03 ug/L				ug/L	0.01 ug/L		200.8	Clackamas County-Water	AC21424
AC21424	2021/09/01	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21424-202109011200:SR	Grab	Zinc, dissolved	7440-66-6	2 ug/L				ug/L	1 ug/L		200.8	Clackamas County-Water	AC21424
AC21424	2021/09/01	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21424-202109011200:SR	Grab	E. Coli	68583-22-2	411 MPN/100ml				MPN/100ml	1 MPN/100ml	1 MPN/100ml	COLILERT/2000	Clackamas County-Water	AC21424
AC21424	2021/09/01	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21424-202109011200:SR	Grab	Total Hardness	N/A	93 mg/l CaCO3				mg/l CaCO3	5.3 mg/l CaCO3	5.3 mg/l CaCO3	2340c	Clackamas County-Water	AC21424
AC21424	2021/09/01	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21424-202109011200:SR	Grab	Ammonia-nitrogen	N/A	0.13 mg/L				mg/L	0.0205 mg/L	0.0205 mg/L	4500-NH3 G	Clackamas County-Water	AC21424
AC21424	2021/09/01	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21424-202109011200:SR	Grab	Nitrate/Nitrite as N	14797-55-8	1.1 mg/L				mg/L	0.0625 mg/L	0.0625 mg/L	4500-NO3(F)	Clackamas County-Water	AC21424
AC21424	2021/09/01	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21424-202109011200:SR	Grab	Orthophosphate	14265-44-2	0.07 mg/L				mg/L	0.025 mg/L	0.025 mg/L	4500-P-F	Clackamas County-Water	AC21424
AC21424	2021/09/01	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21424-202109011200:SR	Grab	Phosphorus	7723-14-0	0.11 mg/L				mg/L	0.02 mg/L	0.02 mg/L	365.3	ALS Environmental Kelso	AC21424
AC21424	2021/09/01	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21424-202109011200:SR	Field Meter	Acidity, hydrogen ion (H+)	N/A	7.9 SU				SU	N/A		4500-H+B	Clackamas County-Water	AC21424
AC21424	2021/09/01	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21424-202109011200:SR	Field Meter	Conductivity	N/A	209 uS/cm				uS/cm	N/A		2510	Clackamas County-Water	AC21424
AC21424	2021/09/01	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21424-202109011200:SR	Field Meter	Temperature, water	N/A	15.5 deg C				deg C	N/A		2550 B	Clackamas County-Water	AC21424
AC21424	2021/09/01	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21424-202109011200:SR	Grab	Total Dissolved Solids	N/A	159 mg/L				mg/L	5.6 mg/L	5.6 mg/L	2540-C	Clackamas County-Water	AC21424
AC21424	2021/09/01	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21424-202109011200:SR	Grab	Total Suspended Solids	N/A	3 mg/L				mg/L	1.17 mg/L	1.17 mg/L	2540-D	Clackamas County-Water	AC21424
AC21424	2021/09/01	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21424-202109011200:SR	Grab	Total Solids	N/A	178 mg/L				mg/L	5 mg/L	5 mg/L	2540-B	Clackamas County-Water	AC21424
AC21424	2021/09/01	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC21424-202109011200:SR	Grab	Dissolved Oxygen	N/A	9.4 mg/L				mg/L	0.02 mg/L	0.02 mg/L	4500-O-C	Clackamas County-Water	AC21424
AC22922	2021/10/07	07:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22922-202110070755:SR	Grab	Copper	7440-50-8	2.5 ug/L				ug/L	0.1 ug/L		200.8	Clackamas County-Water	AC22922
AC22922	2021/10/07	07:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22922-202110070755:SR	Grab	Lead	7439-92-1	0.93 ug/L				ug/L	0.01 ug/L		200.8	Clackamas County-Water	AC22922
AC22922	2021/10/07	07:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22922-202110070755:SR	Grab	Zinc	7440-66-6	8 ug/L				ug/L	1 ug/L		200.8	Clackamas County-Water	AC22922
AC22922	2021/10/07	07:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22922-202110070755:SR	Grab	Copper, dissolved	7440-50-8	1 ug/L				ug/L	0.1 ug/L		200.8	Clackamas County-Water	AC22922
AC22922	2021/10/07	07:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22922-202110070755:SR	Grab	Lead, dissolved	7439-92-1	0.02 ug/L				ug/L	0.01 ug/L		200.8	Clackamas County-Water	AC22922
AC22922	2021/10/07	07:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22922-202110070755:SR	Grab	Zinc, dissolved	7440-66-6	2 ug/L				ug/L	1 ug/L		200.8	Clackamas County-Water	AC22922
AC22922	2021/10/07	07:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22922-202110070755:SR	Grab	E. Coli	68583-22-2	293 MPN/100ml				MPN/100ml	1 MPN/100ml	1 MPN/100ml	COLILERT/2000	Clackamas County-Water	AC22922
AC22922	2021/10/07	07:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22922-202110070755:SR	Grab	Total Hardness	N/A	46 mg/l CaCO3				mg/l CaCO3	5.3 mg/l CaCO3	5.3 mg/l CaCO3	2340c	Clackamas County-Water	AC22922
AC22922	2021/10/07	07:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22922-202110070755:SR	Grab	Ammonia-nitrogen	N/A	0.014 mg/L				mg/L	0.025 mg/L	0.025 mg/L	4500-NH3 G	Clackamas County-Water	AC22922
AC22922	2021/10/07	07:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22922-202110070755:SR	Grab	Nitrate/Nitrite as N	14797-55-8	0.68 mg/L				mg/L	0.0625 mg/L	0.0625 mg/L	4500-NO3(F)	Clackamas County-Water	AC22922
AC22922	2021/10/07	07:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22922-202110070755:SR	Grab	Orthophosphate	14265-44-2	0.06 mg/L				mg/L	0.006 mg/L	0.006 mg/L	4500-P-F	Clackamas County-Water	AC22922
AC22922	2021/10/07	07:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22922-202110070755:SR	Grab	Phosphorus	7723-14-0	0.08 mg/L				mg/L	0.02 mg/L	0.02 mg/L	365.3	ALS Environmental Kelso	AC22922
AC22922	2021/10/07	07:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22922-202110070755:SR	Field Meter	Acidity, hydrogen ion (H+)	N/A	7.4 SU				SU	N/A		4500-H+B	Clackamas County-Water	AC22922
AC22922	2021/10/07	07:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22922-202110070755:SR	Field Meter	Conductivity	N/A	131.2 uS/cm				uS/cm	N/A		2510	Clackamas County-Water	AC22922
AC22922	2021/10/07	07:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22922-202110070755:SR	Field Meter	Temperature, water	N/A	10 deg C				deg C	N/A		2550 B	Clackamas County-Water	AC22922
AC22922	2021/10/07	07:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22922-202110070755:SR	Grab	Total Dissolved Solids	N/A	95 mg/L				mg/L	5.6 mg/L	5.6 mg/L	2540-C	Clackamas County-Water	AC22922
AC22922	2021/10/07	07:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22922-202110070755:SR	Grab	Total Suspended Solids	N/A	22 mg/L				mg/L	1.17 mg/L	1.17 mg/L	2540-D	Clackamas County-Water	AC22922
AC22922	2021/10/07	07:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22922-202110070755:SR	Grab	Total Solids	N/A	120 mg/L				mg/L	5 mg/L	5 mg/L	2540-B	Clackamas County-Water	AC22922
AC22922	2021/10/07	07:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22922-202110070755:SR	Grab	Total volatile solids	N/A	31 mg/L				mg/L	5 mg/L	5 mg/L	2540-E	Clackamas County-Water	AC22922
AC22922	2021/10/07	07:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22922-202110070755:SR	Grab	Dissolved Oxygen	N/A	8.8 mg/L				mg/L	0.02 mg/L	0.02 mg/L	4500-O-C	Clackamas County-Water	AC22922
AC22923	2021/10/07	08:39	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22923-202110070839:SR	Grab	Copper	7440-50-8	0.9 ug/L				ug/L	0.1 ug/L		200.8	Clackamas County-Water	AC22923
AC22923	2021/10/07	08:39	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22923-202110070839:SR	Grab	Lead	7439-92-1	0.31 ug/L				ug/L	0.01 ug/L		200.8	Clackamas County-Water	AC22923
AC22923	2021/10/07	08:39	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22923-202110070839:SR	Grab	Zinc	7440-66-6	13 ug/L				ug/L	1 ug/L		200.8	Clackamas County-Water	AC22923
AC22923	2021/10/07	08:39	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22923-202110070839:SR	Grab	Copper, dissolved	7440-50-8	0.8 ug/L				ug/L	0.1 ug/L		200.8	Clackamas County-Water	AC22923
AC22923	2021/10/07	08:39	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22923-202110070839:SR	Grab	Lead, dissolved	7439-92-1	0.02 ug/L				ug/L	0.01 ug/L		200.8	Clackamas County-Water	AC22923
AC22923	2021/10/07	08:39	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22923-202110070839:SR	Grab	Zinc, dissolved	7440-66-6	11 ug/L				ug/L	1 ug/L		200.8	Clackamas County-Water	AC22923
AC22923	2021/10/07	08:39	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22923-202110070839:SR	Grab	E. Coli	68583-22-2	51 MPN/100ml				MPN/100ml	1 MPN/100ml	1 MPN/100ml	COLILERT/2000	Clackamas County-Water	AC22923
AC22923	2021/10/07	08:39	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22923-202110070839:SR	Grab	Total Hardness	N/A	124 mg/l CaCO3				mg/l CaCO3	5.3 mg/l CaCO3	5.3 mg/l CaCO3	2340c	Clackamas County-Water	AC22923
AC22923	2021/10/07	08:39	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22923-202110070839:SR	Grab	Ammonia-nitrogen	N/A	0.012 mg/L				mg/L	0.025 mg/L	0.025 mg/L	4500-NH3 G	Clackamas County-Water	AC22923
AC22923	2021/10/07	08:39	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22923-202110070839:SR	Grab	Nitrate/Nitrite as N	14797-55-8	1.1 mg/L				mg/L	0.0625 mg/L	0.0625 mg/L	4500-NO3(F)	Clackamas County-Water	AC22923
AC22923	2021/10/07	08:39	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22923-202110070839:SR	Grab	Orthophosphate	14265-44-2	0.04 mg/L				mg/L	0.025 mg/L	0.025 mg/L	4500-P-F	Clackamas County-Water	AC22923
AC22923	2021/10/07	08:39	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22923-202110070839:SR	Grab	Phosphorus	7723-14-0	0.06 mg/L				mg/L	0.02 mg/L	0.02 mg/L	365.3	ALS Environmental Kelso	AC22923
AC22923	2021/10/07	08:39	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22923-202110070839:SR	Grab	Acidity, hydrogen ion (H+)	N/A	7.4 SU				SU	N/A		4500-H+B	Clackamas County-Water	AC22923
AC22923	2021/10/07	08:39	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22923-202110070839:SR	Field Meter	Conductivity	N/A	282 uS/cm				uS/cm	N/A		2510	Clackamas County-Water	AC22923
AC22923	2021/10/07	08:39	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC22923-202110070839:SR	Field Meter	Temperature, water	N/A	10.6 deg C				deg C	N/A		2550 B	Clackamas County-Water	AC22923
AC22923	202																		

Monitoring Location ID	Activity Start Date	Activity Start Time	Activity Start/End Time Zone	Activity Media Subdivision Name	Activity Type	Activity ID (Locked)	Sample Collection Method	Characteristic Name	CAS Number	Result Value	Result Unit	Result Measure Qualifier	Detection Limit Value	Detection Limit Unit	Reporting Limit Value	Reporting Limit Unit	Result Analytical Method ID	Laboratory Name	Lab Sample ID	
AC24768	2021/11/16	08:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24768-202111160800:SR	Grab	Orthophosphate	14265-44-2	0.04 mg/L							4500-P-F	Clackamas County-Water	AC24768	
AC24768	2021/11/16	08:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24768-202111160800:SR	Grab	Phosphorus	7723-14-0	0.07 mg/L			N/A	mg/L	0.02 mg/L		365.3	ALS Environmental Kelso	AC24768	
AC24768	2021/11/16	08:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24768-202111160800:SR	Field Meter	Acidity, hydrogen ion (H+)	N/A	7.5 SU			N/A	SU	N/A	SU	4500-H+B	Clackamas County-Water	AC24768	
AC24768	2021/11/16	08:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24768-202111160800:SR	Field Meter	Conductivity	N/A	107.9 uS/cm			N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC24768	
AC24768	2021/11/16	08:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24768-202111160800:SR	Field Meter	Temperature, water	N/A	9 deg C			N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC24768	
AC24768	2021/11/16	08:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24768-202111160800:SR	Grab	Total Dissolved Solids	N/A	80 mg/L				5.6 mg/L	5.6 mg/L		2540-C	Clackamas County-Water	AC24768	
AC24768	2021/11/16	08:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24768-202111160800:SR	Grab	Total Suspended Solids	N/A	2 mg/L				1.17 mg/L	1.17 mg/L		2540-D	Clackamas County-Water	AC24768	
AC24768	2021/11/16	08:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24768-202111160800:SR	Grab	Total Solids	N/A	106 mg/L				5 mg/L	5 mg/L		2540-B	Clackamas County-Water	AC24768	
AC24768	2021/11/16	08:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24768-202111160800:SR	Grab	Total volatile solids	N/A	42 mg/L				5 mg/L	5 mg/L		2540-E	Clackamas County-Water	AC24768	
AC24768	2021/11/16	08:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24768-202111160800:SR	Grab	Dissolved Oxygen	N/A	10.8 mg/L				0.02 mg/L	0.02 mg/L		4500-O-C	Clackamas County-Water	AC24768	
AC24769	2021/11/16	09:15	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24769-202111160915:SR	Grab	Copper	7440-50-8	1 ug/L				0.1 ug/L	0.1 ug/L		200.8	Clackamas County-Water	AC24769	
AC24769	2021/11/16	09:15	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24769-202111160915:SR	Grab	Lead	7439-92-1	0.23 ug/L				0.01 ug/L	0.01 ug/L		200.8	Clackamas County-Water	AC24769	
AC24769	2021/11/16	09:15	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24769-202111160915:SR	Grab	Zinc	7440-66-6	27 ug/L				1 ug/L	1 ug/L		200.8	Clackamas County-Water	AC24769	
AC24769	2021/11/16	09:15	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24769-202111160915:SR	Grab	Copper, dissolved	7440-50-8	0.8 ug/L				0.1 ug/L	0.1 ug/L		200.8	Clackamas County-Water	AC24769	
AC24769	2021/11/16	09:15	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24769-202111160915:SR	Grab	Lead, dissolved	7439-92-1	0.02 ug/L				0.01 ug/L	0.01 ug/L		200.8	Clackamas County-Water	AC24769	
AC24769	2021/11/16	09:15	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24769-202111160915:SR	Grab	Zinc, dissolved	7440-66-6	22 ug/L				1 ug/L	1 ug/L		200.8	Clackamas County-Water	AC24769	
AC24769	2021/11/16	09:15	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24769-202111160915:SR	Grab	E. Coli	68583-22-2	1 MPN/100ml				1 MPN/100ml	1 MPN/100ml		COLILERT/2000	Clackamas County-Water	AC24769	
AC24769	2021/11/16	09:15	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24769-202111160915:SR	Grab	Total Hardness	N/A	90 mg/l CaCO3				5.3 mg/l CaCO3	5.3 mg/l CaCO3		2340c	Clackamas County-Water	AC24769	
AC24769	2021/11/16	09:15	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24769-202111160915:SR	Grab	Ammonia-nitrogen	N/A	mg/L	<0.03			0.01 mg/L	0.025 mg/L		4500-NH3 G	Clackamas County-Water	AC24769	
AC24769	2021/11/16	09:15	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24769-202111160915:SR	Grab	Nitrate/Nitrite as N	14797-55-8	1.6 mg/L				0.0625 mg/L	0.0625 mg/L		4500-NO3(F)	Clackamas County-Water	AC24769	
AC24769	2021/11/16	09:15	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24769-202111160915:SR	Grab	Orthophosphate	14265-44-2	mg/L	<0.025				0.025 mg/L	0.025 mg/L		4500-P-F	Clackamas County-Water	AC24769
AC24769	2021/11/16	09:15	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24769-202111160915:SR	Grab	Phosphorus	7723-14-0	0.03 mg/L			N/A	mg/L	0.02 mg/L		365.3	ALS Environmental Kelso	AC24769	
AC24769	2021/11/16	09:15	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24769-202111160915:SR	Grab	Acidity, hydrogen ion (H+)	N/A	7.3 SU			N/A	SU	N/A	SU	4500-H+B	Clackamas County-Water	AC24769	
AC24769	2021/11/16	09:15	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24769-202111160915:SR	Field Meter	Conductivity	N/A	233 uS/cm			N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC24769	
AC24769	2021/11/16	09:15	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24769-202111160915:SR	Field Meter	Temperature, water	N/A	11.5 deg C			N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC24769	
AC24769	2021/11/16	09:15	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24769-202111160915:SR	Field Meter	Total Dissolved Solids	N/A	143 mg/L				5.6 mg/L	5.6 mg/L		2540-C	Clackamas County-Water	AC24769	
AC24769	2021/11/16	09:15	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24769-202111160915:SR	Grab	Total Suspended Solids	N/A	mg/L	<1.0			1.17 mg/L	1.17 mg/L		2540-D	Clackamas County-Water	AC24769	
AC24769	2021/11/16	09:15	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24769-202111160915:SR	Grab	Total Solids	N/A	163 mg/L				5 mg/L	5 mg/L		2540-B	Clackamas County-Water	AC24769	
AC24769	2021/11/16	09:15	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24769-202111160915:SR	Grab	Dissolved Oxygen	N/A	9.1 mg/L				0.02 mg/L	0.02 mg/L		4500-O-C	Clackamas County-Water	AC24769	
AC24770	2021/11/16	09:35	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24770-202111160935:SR	Grab	Copper	7440-50-8	1.5 ug/L				0.1 ug/L	0.1 ug/L		200.8	Clackamas County-Water	AC24770	
AC24770	2021/11/16	09:35	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24770-202111160935:SR	Grab	Lead	7439-92-1	0.32 ug/L				0.01 ug/L	0.01 ug/L		200.8	Clackamas County-Water	AC24770	
AC24770	2021/11/16	09:35	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24770-202111160935:SR	Grab	Zinc	7440-66-6	26 ug/L				1 ug/L	1 ug/L		200.8	Clackamas County-Water	AC24770	
AC24770	2021/11/16	09:35	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24770-202111160935:SR	Grab	Copper, dissolved	7440-50-8	1.3 ug/L				0.1 ug/L	0.1 ug/L		200.8	Clackamas County-Water	AC24770	
AC24770	2021/11/16	09:35	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24770-202111160935:SR	Grab	Lead, dissolved	7439-92-1	0.03 ug/L				0.01 ug/L	0.01 ug/L		200.8	Clackamas County-Water	AC24770	
AC24770	2021/11/16	09:35	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24770-202111160935:SR	Grab	Zinc, dissolved	7440-66-6	22 ug/L				1 ug/L	1 ug/L		200.8	Clackamas County-Water	AC24770	
AC24770	2021/11/16	09:35	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24770-202111160935:SR	Grab	E. Coli	68583-22-2	145 MPN/100ml				1 MPN/100ml	1 MPN/100ml		COLILERT/2000	Clackamas County-Water	AC24770	
AC24770	2021/11/16	09:35	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24770-202111160935:SR	Grab	Total Hardness	N/A	51 mg/l CaCO3				5.3 mg/l CaCO3	5.3 mg/l CaCO3		2340c	Clackamas County-Water	AC24770	
AC24770	2021/11/16	09:35	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24770-202111160935:SR	Grab	Ammonia-nitrogen	N/A	mg/L	<0.03			0.01 mg/L	0.025 mg/L		4500-NH3 G	Clackamas County-Water	AC24770	
AC24770	2021/11/16	09:35	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24770-202111160935:SR	Grab	Nitrate/Nitrite as N	14797-55-8	1.6 mg/L				0.0625 mg/L	0.0625 mg/L		4500-NO3(F)	Clackamas County-Water	AC24770	
AC24770	2021/11/16	09:35	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24770-202111160935:SR	Grab	Orthophosphate	14265-44-2	0.03 mg/L				0.025 mg/L	0.025 mg/L		4500-P-F	Clackamas County-Water	AC24770	
AC24770	2021/11/16	09:35	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24770-202111160935:SR	Grab	Phosphorus	7723-14-0	0.05 mg/L			N/A	mg/L	0.02 mg/L		365.3	ALS Environmental Kelso	AC24770	
AC24770	2021/11/16	09:35	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24770-202111160935:SR	Grab	Acidity, hydrogen ion (H+)	N/A	7.7 SU			N/A	SU	N/A	SU	4500-H+B	Clackamas County-Water	AC24770	
AC24770	2021/11/16	09:35	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24770-202111160935:SR	Field Meter	Conductivity	N/A	134.9 uS/cm			N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC24770	
AC24770	2021/11/16	09:35	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24770-202111160935:SR	Field Meter	Temperature, water	N/A	10.4 deg C			N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC24770	
AC24770	2021/11/16	09:35	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24770-202111160935:SR	Field Meter	Total Dissolved Solids	N/A	95 mg/L				5.6 mg/L	5.6 mg/L		2540-C	Clackamas County-Water	AC24770	
AC24770	2021/11/16	09:35	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24770-202111160935:SR	Grab	Total Suspended Solids	N/A	1 mg/L				1.17 mg/L	1.17 mg/L		2540-D	Clackamas County-Water	AC24770	
AC24770	2021/11/16	09:35	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24770-202111160935:SR	Grab	Total Solids	N/A	116 mg/L				5 mg/L	5 mg/L		2540-B	Clackamas County-Water	AC24770	
AC24770	2021/11/16	09:35	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24770-202111160935:SR	Grab	Dissolved Oxygen	N/A	10.5 mg/L				0.02 mg/L	0.02 mg/L		4500-O-C	Clackamas County-Water	AC24770	
AC24771	2021/11/16	10:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24771-202111161040:SR	Grab	Copper	7440-50-8	2.1 ug/L				0.1 ug/L	0.1 ug/L		200.8	Clackamas County-Water	AC24771	
AC24771	2021/11/16	10:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24771-202111161040:SR	Grab	Lead	7439-92-1	0.36 ug/L				0.01 ug/L	0.01 ug/L		200.8	Clackamas County-Water	AC24771	
AC24771	2021/11/16	10:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24771-202111161040:SR	Grab	Zinc	7440-66-6	20 ug/L				1 ug/L	1 ug/L		200.8	Clackamas County-Water	AC24771	
AC24771	2021/11/16	10:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24771-202111161040:SR	Grab	Copper, dissolved	7440-50-8	1.6 ug/L				0.1 ug/L	0.1 ug/L		200.8	Clackamas County-Water	AC24771	
AC24771	2021/11/16	10:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24771-202111161040:SR	Grab	Lead, dissolved	7439-92-1	0.06 ug/L				0.01 ug/L	0.01 ug/L		200.8	Clackamas County-Water	AC24771	
AC24771	2021/11/16	10:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24771-202111161040:SR	Grab	Zinc, dissolved	7440-66-6	17 ug/L				1 ug/L	1 ug/L		200.8	Clackamas County-Water	AC24771	
AC24771	2021/11/16	10:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24771-202111161040:SR	Grab	E. Coli	68583-22-2	91 MPN/100ml				1 MPN/100ml	1 MPN/100ml		COLILERT/2000	Clackamas County-Water	AC24771	
AC24771	2021/11/16	10:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24771-202111161040:SR	Grab	Total Hardness	N/A	60 mg/l CaCO3				5.3 mg/l CaCO3	5.3 mg/l CaCO3		2340c	Clackamas County-Water	AC24771	
AC24771	2021/11/16	10:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24771-202111161040:SR	Grab	Ammonia-nitrogen	N/A	0.02 mg/L				0.01 mg/L	0.025 mg/L		4500-NH3 G	Clackamas County-Water	AC24771	
AC24771	2021/11/16	10:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24771-202111161040:SR	Grab	Nitrate/Nitrite as N	14797-55-8	0.95 mg/L				0.0625 mg/L	0.0625 mg/L		4500-NO3(F)	Clackamas County-Water	AC24771	
AC24771	2021/11/16	10:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24771-202111161040:SR	Grab	Orthophosphate	14265-44-2	0.03 mg/L				0.025 mg/L	0.025 mg/L		4500-P-F	Clackamas County-Water	AC24771	
AC24771	2021/11/16	10:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24771-202111161040:SR	Grab	Phosphorus	7723-14-0	0.05 mg/L			N/A	mg/L	0.02 mg/L		365.3	ALS Environmental Kelso	AC24771	
AC24771	2021/11/16	10:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24771-202111161040:SR	Grab	Acidity, hydrogen ion (H+)	N/A	7.6 SU			N/A	SU	N/A	SU	4500-H+B	Clackamas County-Water	AC24771	
AC24771	2021/11/16	10:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC24771-202111161040:SR	Field Meter	Conductivity	N/A	172.5 uS/cm			N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC24771	
AC24771	2021/11/16	10:40																		

Monitoring Location ID	Activity Start Date	Activity Start Time	Activity Start/End Time Zone	Activity Media Subdivision Name	Activity Type	Activity ID (Locked)	Sample Collection Method	Characteristic Name	CAS Number	Result Value	Result Unit	Result Measure Qualifier	Detection Limit Value	Detection Limit Unit	Reporting Limit Value	Reporting Limit Unit	Result Analytical Method ID	Laboratory Name	Lab Sample ID
AC26172	2021/12/16	09:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26172:202112160900:SR	Grab	Ammonia-nitrogen	N/A	<0.03	mg/L		0.01 mg/L		0.03 mg/L		4500-NH3 G	Clackamas County-Water	AC26172
AC26172	2021/12/16	09:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26172:202112160900:SR	Grab	Nitrate/Nitrite as N	14797-55-8	1.3 mg/L			0.0625 mg/L		0.0625 mg/L		4500-NO3(F)	Clackamas County-Water	AC26172
AC26172	2021/12/16	09:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26172:202112160900:SR	Grab	Orthophosphate	14265-44-2	<0.025	mg/L		0.025 mg/L		0.025 mg/L		4500-P-F	Clackamas County-Water	AC26172
AC26172	2021/12/16	09:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26172:202112160900:SR	Grab	Phosphorus	7723-14-0	0.02 mg/L			N/A mg/L		0.02 mg/L		365.3	ALS Environmental Kelo	AC26172
AC26172	2021/12/16	09:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26172:202112160900:SR	Grab	Acidity, hydrogen ion (H+)	N/A	7.2 SU			N/A SU		N/A SU		4500-H+B	Clackamas County-Water	AC26172
AC26172	2021/12/16	09:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26172:202112160900:SR	Field Meter	Conductivity	N/A	186 uS/cm			N/A uS/cm		N/A uS/cm		2510	Clackamas County-Water	AC26172
AC26172	2021/12/16	09:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26172:202112160900:SR	Field Meter	Temperature, water	N/A	9.7 deg C			N/A deg C		N/A deg C		2550 B	Clackamas County-Water	AC26172
AC26172	2021/12/16	09:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26172:202112160900:SR	Field Meter	Total Dissolved Solids	N/A	124 mg/L			5.6 mg/L		5.6 mg/L		2540-C	Clackamas County-Water	AC26172
AC26172	2021/12/16	09:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26172:202112160900:SR	Grab	Total Suspended Solids	N/A	1.5 mg/L			1.17 mg/L		1.17 mg/L		2540-D	Clackamas County-Water	AC26172
AC26172	2021/12/16	09:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26172:202112160900:SR	Grab	Total Solids	N/A	178 mg/L			5 mg/L		5 mg/L		2540-B	Clackamas County-Water	AC26172
AC26172	2021/12/16	09:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26172:202112160900:SR	Grab	Dissolved Oxygen	N/A	8.7 mg/L			0.02 mg/L		0.02 mg/L		4500-O-C	Clackamas County-Water	AC26172
AC26173	2021/12/16	09:20	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26173:202112160920:SR	Grab	Copper	7440-50-8	1.57 ug/L			0.1 ug/L		0.1 ug/L		200.8	ALS Environmental Kelo	AC26173
AC26173	2021/12/16	09:20	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26173:202112160920:SR	Grab	Lead	7439-92-1	0.205 ug/L			0.01 ug/L		0.01 ug/L		200.8	ALS Environmental Kelo	AC26173
AC26173	2021/12/16	09:20	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26173:202112160920:SR	Grab	Zinc	7440-66-6	34.8 ug/L			1 ug/L		1 ug/L		200.8	ALS Environmental Kelo	AC26173
AC26173	2021/12/16	09:20	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26173:202112160920:SR	Grab	Copper, dissolved	7440-50-8	0.1 ug/L			0.1 ug/L		0.1 ug/L		200.8	ALS Environmental Kelo	AC26173
AC26173	2021/12/16	09:20	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26173:202112160920:SR	Grab	Lead, dissolved	7439-92-1	0.072 ug/L			0.02 ug/L		0.02 ug/L		200.8	ALS Environmental Kelo	AC26173
AC26173	2021/12/16	09:20	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26173:202112160920:SR	Grab	Zinc, dissolved	7440-66-6	26.6 ug/L			1 ug/L		1 ug/L		200.8	ALS Environmental Kelo	AC26173
AC26173	2021/12/16	09:20	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26173:202112160920:SR	Grab	E. Coli	68583-22-2	91 MPN/100ml			1 MPN/100ml		1 MPN/100ml		COLILERT/2000	Clackamas County-Water	AC26173
AC26173	2021/12/16	09:20	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26173:202112160920:SR	Grab	Total Hardness	N/A	44 mg/l CaCO3			5.3 mg/l CaCO3		5.3 mg/l CaCO3		2340c	Clackamas County-Water	AC26173
AC26173	2021/12/16	09:20	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26173:202112160920:SR	Grab	Ammonia-nitrogen	N/A	<0.03	mg/L		0.01 mg/L		0.03 mg/L		4500-NH3 G	Clackamas County-Water	AC26173
AC26173	2021/12/16	09:20	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26173:202112160920:SR	Grab	Nitrate/Nitrite as N	14797-55-8	1.5 mg/L			0.0625 mg/L		0.0625 mg/L		4500-NO3(F)	Clackamas County-Water	AC26173
AC26173	2021/12/16	09:20	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26173:202112160920:SR	Grab	Orthophosphate	14265-44-2	<0.025	mg/L		0.025 mg/L		0.025 mg/L		4500-P-F	Clackamas County-Water	AC26173
AC26173	2021/12/16	09:20	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26173:202112160920:SR	Grab	Phosphorus	7723-14-0	0.05 mg/L			N/A mg/L		0.02 mg/L		365.3	ALS Environmental Kelo	AC26173
AC26173	2021/12/16	09:20	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26173:202112160920:SR	Grab	Acidity, hydrogen ion (H+)	N/A	7.2 SU			N/A SU		N/A SU		4500-H+B	Clackamas County-Water	AC26173
AC26173	2021/12/16	09:20	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26173:202112160920:SR	Field Meter	Conductivity	N/A	113.5 uS/cm			N/A uS/cm		N/A uS/cm		2510	Clackamas County-Water	AC26173
AC26173	2021/12/16	09:20	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26173:202112160920:SR	Field Meter	Temperature, water	N/A	8.6 deg C			N/A deg C		N/A deg C		2550 B	Clackamas County-Water	AC26173
AC26173	2021/12/16	09:20	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26173:202112160920:SR	Field Meter	Total Dissolved Solids	N/A	88 mg/L			5.6 mg/L		5.6 mg/L		2540-C	Clackamas County-Water	AC26173
AC26173	2021/12/16	09:20	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26173:202112160920:SR	Grab	Total Suspended Solids	N/A	4.5 mg/L			1.17 mg/L		1.17 mg/L		2540-D	Clackamas County-Water	AC26173
AC26173	2021/12/16	09:20	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26173:202112160920:SR	Grab	Total Solids	N/A	129 mg/L			5 mg/L		5 mg/L		2540-B	Clackamas County-Water	AC26173
AC26173	2021/12/16	09:20	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26173:202112160920:SR	Grab	Dissolved Oxygen	N/A	11.1 mg/L			0.02 mg/L		0.02 mg/L		4500-O-C	Clackamas County-Water	AC26173
AC26174	2021/12/16	10:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26174:202112161000:SR	Grab	Copper	7440-50-8	2.21 ug/L			0.1 ug/L		0.1 ug/L		200.8	ALS Environmental Kelo	AC26174
AC26174	2021/12/16	10:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26174:202112161000:SR	Grab	Lead	7439-92-1	0.428 ug/L			0.01 ug/L		0.01 ug/L		200.8	ALS Environmental Kelo	AC26174
AC26174	2021/12/16	10:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26174:202112161000:SR	Grab	Zinc	7440-66-6	35.5 ug/L			1 ug/L		1 ug/L		200.8	ALS Environmental Kelo	AC26174
AC26174	2021/12/16	10:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26174:202112161000:SR	Grab	Copper, dissolved	7440-50-8	1.45 ug/L			0.1 ug/L		0.1 ug/L		200.8	ALS Environmental Kelo	AC26174
AC26174	2021/12/16	10:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26174:202112161000:SR	Grab	Lead, dissolved	7439-92-1	0.109 ug/L			0.02 ug/L		0.02 ug/L		200.8	ALS Environmental Kelo	AC26174
AC26174	2021/12/16	10:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26174:202112161000:SR	Grab	Zinc, dissolved	7440-66-6	22.5 ug/L			1 ug/L		1 ug/L		200.8	ALS Environmental Kelo	AC26174
AC26174	2021/12/16	10:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26174:202112161000:SR	Grab	E. Coli	68583-22-2	236 MPN/100ml			1 MPN/100ml		1 MPN/100ml		COLILERT/2000	Clackamas County-Water	AC26174
AC26174	2021/12/16	10:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26174:202112161000:SR	Grab	Total Hardness	N/A	52 mg/l CaCO3			5.3 mg/l CaCO3		5.3 mg/l CaCO3		2340c	Clackamas County-Water	AC26174
AC26174	2021/12/16	10:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26174:202112161000:SR	Grab	Ammonia-nitrogen	N/A	<0.03	mg/L		0.01 mg/L		0.025 mg/L		4500-NH3 G	Clackamas County-Water	AC26174
AC26174	2021/12/16	10:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26174:202112161000:SR	Grab	Nitrate/Nitrite as N	14797-55-8	1 mg/L			0.0625 mg/L		0.0625 mg/L		4500-NO3(F)	Clackamas County-Water	AC26174
AC26174	2021/12/16	10:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26174:202112161000:SR	Grab	Orthophosphate	14265-44-2	<0.025	mg/L		0.025 mg/L		0.025 mg/L		4500-P-F	Clackamas County-Water	AC26174
AC26174	2021/12/16	10:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26174:202112161000:SR	Grab	Phosphorus	7723-14-0	0.05 mg/L			N/A mg/L		0.02 mg/L		365.3	ALS Environmental Kelo	AC26174
AC26174	2021/12/16	10:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26174:202112161000:SR	Field Meter	Acidity, hydrogen ion (H+)	N/A	7.5 SU			N/A SU		N/A SU		4500-H+B	Clackamas County-Water	AC26174
AC26174	2021/12/16	10:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26174:202112161000:SR	Field Meter	Conductivity	N/A	126.9 uS/cm			N/A uS/cm		N/A uS/cm		2510	Clackamas County-Water	AC26174
AC26174	2021/12/16	10:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26174:202112161000:SR	Field Meter	Temperature, water	N/A	9.1 deg C			N/A deg C		N/A deg C		2550 B	Clackamas County-Water	AC26174
AC26174	2021/12/16	10:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26174:202112161000:SR	Field Meter	Total Dissolved Solids	N/A	99 mg/L			5.6 mg/L		5.6 mg/L		2540-C	Clackamas County-Water	AC26174
AC26174	2021/12/16	10:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26174:202112161000:SR	Grab	Total Suspended Solids	N/A	4 mg/L			1.17 mg/L		1.17 mg/L		2540-D	Clackamas County-Water	AC26174
AC26174	2021/12/16	10:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26174:202112161000:SR	Grab	Total Solids	N/A	137 mg/L			5 mg/L		5 mg/L		2540-B	Clackamas County-Water	AC26174
AC26174	2021/12/16	10:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26174:202112161000:SR	Grab	Dissolved Oxygen	N/A	11 mg/L			0.02 mg/L		0.02 mg/L		4500-O-C	Clackamas County-Water	AC26174
AC26175	2021/12/16	10:28	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26175:202112161028:SR	Grab	Copper	7440-50-8	1.74 ug/L			0.1 ug/L		0.1 ug/L		200.8	ALS Environmental Kelo	AC26175
AC26175	2021/12/16	10:28	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26175:202112161028:SR	Grab	Lead	7439-92-1	0.314 ug/L			0.01 ug/L		0.01 ug/L		200.8	ALS Environmental Kelo	AC26175
AC26175	2021/12/16	10:28	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26175:202112161028:SR	Grab	Zinc	7440-66-6	23.5 ug/L			1 ug/L		1 ug/L		200.8	ALS Environmental Kelo	AC26175
AC26175	2021/12/16	10:28	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26175:202112161028:SR	Grab	Copper, dissolved	7440-50-8	1.4 ug/L			0.1 ug/L		0.1 ug/L		200.8	ALS Environmental Kelo	AC26175
AC26175	2021/12/16	10:28	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26175:202112161028:SR	Grab	Lead, dissolved	7439-92-1	0.096 ug/L			0.02 ug/L		0.02 ug/L		200.8	ALS Environmental Kelo	AC26175
AC26175	2021/12/16	10:28	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26175:202112161028:SR	Grab	Zinc, dissolved	7440-66-6	19.8 ug/L			1 ug/L		1 ug/L		200.8	ALS Environmental Kelo	AC26175
AC26175	2021/12/16	10:28	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26175:202112161028:SR	Grab	E. Coli	68583-22-2	142 MPN/100ml			1 MPN/100ml		1 MPN/100ml		COLILERT/2000	Clackamas County-W	

Monitoring Location ID	Activity Start Date	Activity Start Time	Activity Start/End Time Zone	Activity Media Subdivision Name	Activity Type	Activity ID (Locked)	Sample Collection Method	Characteristic Name	CAS Number	Result Value	Result Unit	Result Measure Qualifier	Detection Limit Value	Detection Limit Unit	Reporting Limit Value	Reporting Limit Unit	Result Analytical Method ID	Laboratory Name	Lab Sample ID
AC26177	2021/12/16	09:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26177:202112160940:SR	Grab	Ammonia-nitrogen	N/A	<0.03	mg/L		0.01 mg/L		0.025 mg/L		4500-NH3 G	Clackamas County-Water	AC26177
AC26177	2021/12/16	09:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26177:202112160940:SR	Grab	Nitrate/Nitrite as N	14797-55-8	1.7 mg/L			0.0625 mg/L		0.0625 mg/L		4500-NO3(F)	Clackamas County-Water	AC26177
AC26177	2021/12/16	09:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26177:202112160940:SR	Grab	Orthophosphate	14265-44-2	<0.025	mg/L		0.025 mg/L		0.025 mg/L		4500-P-F	Clackamas County-Water	AC26177
AC26177	2021/12/16	09:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26177:202112160940:SR	Grab	Phosphorus	7723-14-0	0.06 mg/L			N/A	mg/L		0.02 mg/L		365.3 ALS Environmental Kelo	AC26177
AC26177	2021/12/16	09:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26177:202112160940:SR	Grab	Acidity, hydrogen ion (H+)	N/A	7.6 SU			N/A	SU	N/A	SU	4500-H+B	Clackamas County-Water	AC26177
AC26177	2021/12/16	09:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26177:202112160940:SR	Field Meter	Conductivity	N/A	100.2 uS/cm			N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC26177
AC26177	2021/12/16	09:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26177:202112160940:SR	Field Meter	Temperature, water	N/A	7.6 deg C			N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC26177
AC26177	2021/12/16	09:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26177:202112160940:SR	Field Meter	Total Dissolved Solids	N/A	66 mg/L			5.6 mg/L		5.6 mg/L		2540-C	Clackamas County-Water	AC26177
AC26177	2021/12/16	09:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26177:202112160940:SR	Grab	Total Suspended Solids	N/A	4.5 mg/L			1.17 mg/L		1.17 mg/L		2540-D	Clackamas County-Water	AC26177
AC26177	2021/12/16	09:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26177:202112160940:SR	Grab	Total Solids	N/A	115 mg/L			5 mg/L		5 mg/L		2540-B	Clackamas County-Water	AC26177
AC26177	2021/12/16	09:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26177:202112160940:SR	Grab	Dissolved Oxygen	N/A	11.1 mg/L			0.02 mg/L		0.02 mg/L		4500-O-C	Clackamas County-Water	AC26177
AC26178	2021/12/16	08:37	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26178:202112160837:SR	Grab	Copper	7440-50-8	1.99 ug/L			0.1 ug/L		0.1 ug/L		200.8 ALS Environmental Kelo	AC26178	
AC26178	2021/12/16	08:37	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26178:202112160837:SR	Grab	Lead	7439-92-1	0.267 ug/L			0.01 ug/L		0.01 ug/L		200.8 ALS Environmental Kelo	AC26178	
AC26178	2021/12/16	08:37	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26178:202112160837:SR	Grab	Zinc	7440-66-6	50.2 ug/L			1 ug/L		1 ug/L		200.8 ALS Environmental Kelo	AC26178	
AC26178	2021/12/16	08:37	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26178:202112160837:SR	Grab	Copper, dissolved	7440-50-8	1.45 ug/L			0.1 ug/L		0.1 ug/L		200.8 ALS Environmental Kelo	AC26178	
AC26178	2021/12/16	08:37	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26178:202112160837:SR	Grab	Lead, dissolved	7439-92-1	0.058 ug/L			0.02 ug/L		0.02 ug/L		200.8 ALS Environmental Kelo	AC26178	
AC26178	2021/12/16	08:37	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26178:202112160837:SR	Grab	Zinc, dissolved	7440-66-6	1 ug/L			0.02 ug/L		0.02 ug/L		200.8 ALS Environmental Kelo	AC26178	
AC26178	2021/12/16	08:37	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26178:202112160837:SR	Grab	E. Coli	68583-22-2	199 MPN/100ml			1 MPN/100ml		1 MPN/100ml		COLILERT/2000	Clackamas County-Water	AC26178
AC26178	2021/12/16	08:37	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26178:202112160837:SR	Grab	Total Hardness	N/A	52 mg/l CaCO3			5.3 mg/l CaCO3		5.3 mg/l CaCO3		2340c	Clackamas County-Water	AC26178
AC26178	2021/12/16	08:37	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26178:202112160837:SR	Grab	Ammonia-nitrogen	N/A	0.11 mg/L			0.01 mg/L		0.025 mg/L		4500-NH3 G	Clackamas County-Water	AC26178
AC26178	2021/12/16	08:37	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26178:202112160837:SR	Grab	Nitrate/Nitrite as N	14797-55-8	0.42 mg/L			0.0625 mg/L		0.0625 mg/L		4500-NO3(F)	Clackamas County-Water	AC26178
AC26178	2021/12/16	08:37	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26178:202112160837:SR	Grab	Orthophosphate	14265-44-2	<0.025	mg/L		0.025 mg/L		0.025 mg/L		4500-P-F	Clackamas County-Water	AC26178
AC26178	2021/12/16	08:37	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26178:202112160837:SR	Grab	Phosphorus	7723-14-0	0.04 mg/L			N/A	mg/L		0.02 mg/L		365.3 ALS Environmental Kelo	AC26178
AC26178	2021/12/16	08:37	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26178:202112160837:SR	Grab	Acidity, hydrogen ion (H+)	N/A	7.2 SU			N/A	SU	N/A	SU	4500-H+B	Clackamas County-Water	AC26178
AC26178	2021/12/16	08:37	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26178:202112160837:SR	Field Meter	Conductivity	N/A	122.5 uS/cm			N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC26178
AC26178	2021/12/16	08:37	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26178:202112160837:SR	Field Meter	Temperature, water	N/A	7.2 deg C			N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC26178
AC26178	2021/12/16	08:37	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26178:202112160837:SR	Field Meter	Total Dissolved Solids	N/A	72 mg/L			5.6 mg/L		5.6 mg/L		2540-C	Clackamas County-Water	AC26178
AC26178	2021/12/16	08:37	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26178:202112160837:SR	Grab	Total Suspended Solids	N/A	1.5 mg/L			1.17 mg/L		1.17 mg/L		2540-D	Clackamas County-Water	AC26178
AC26178	2021/12/16	08:37	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26178:202112160837:SR	Grab	Total Solids	N/A	130 mg/L			5 mg/L		5 mg/L		2540-B	Clackamas County-Water	AC26178
AC26178	2021/12/16	08:37	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26178:202112160837:SR	Grab	Dissolved Oxygen	N/A	9.2 mg/L			0.02 mg/L		0.02 mg/L		4500-O-C	Clackamas County-Water	AC26178
AC26179	2021/12/16	11:13	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26179:202112161113:SR	Grab	Copper	7440-50-8	2.3 ug/L			0.1 ug/L		0.1 ug/L		200.8 ALS Environmental Kelo	AC26179	
AC26179	2021/12/16	11:13	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26179:202112161113:SR	Grab	Lead	7439-92-1	0.49 ug/L			0.01 ug/L		0.01 ug/L		200.8 ALS Environmental Kelo	AC26179	
AC26179	2021/12/16	11:13	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26179:202112161113:SR	Grab	Zinc	7440-66-6	24.1 ug/L			0.1 ug/L		0.1 ug/L		200.8 ALS Environmental Kelo	AC26179	
AC26179	2021/12/16	11:13	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26179:202112161113:SR	Grab	Copper, dissolved	7440-50-8	1.45 ug/L			0.1 ug/L		0.1 ug/L		200.8 ALS Environmental Kelo	AC26179	
AC26179	2021/12/16	11:13	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26179:202112161113:SR	Grab	Lead, dissolved	7439-92-1	0.105 ug/L			0.02 ug/L		0.02 ug/L		200.8 ALS Environmental Kelo	AC26179	
AC26179	2021/12/16	11:13	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26179:202112161113:SR	Grab	Zinc, dissolved	7440-66-6	15.2 ug/L			1 ug/L		1 ug/L		200.8 ALS Environmental Kelo	AC26179	
AC26179	2021/12/16	11:13	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26179:202112161113:SR	Grab	E. Coli	68583-22-2	112 MPN/100ml			1 MPN/100ml		1 MPN/100ml		COLILERT/2000	Clackamas County-Water	AC26179
AC26179	2021/12/16	11:13	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26179:202112161113:SR	Grab	Total Hardness	N/A	48 mg/l CaCO3			5.3 mg/l CaCO3		5.3 mg/l CaCO3		2340c	Clackamas County-Water	AC26179
AC26179	2021/12/16	11:13	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26179:202112161113:SR	Grab	Ammonia-nitrogen	N/A	0.01 mg/L		<0.03	0.01 mg/L		0.025 mg/L		4500-NH3 G	Clackamas County-Water	AC26179
AC26179	2021/12/16	11:13	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26179:202112161113:SR	Grab	Nitrate/Nitrite as N	14797-55-8	0.84 mg/L			0.0625 mg/L		0.0625 mg/L		4500-NO3(F)	Clackamas County-Water	AC26179
AC26179	2021/12/16	11:13	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26179:202112161113:SR	Grab	Orthophosphate	14265-44-2	<0.025	mg/L		0.025 mg/L		0.025 mg/L		4500-P-F	Clackamas County-Water	AC26179
AC26179	2021/12/16	11:13	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26179:202112161113:SR	Grab	Phosphorus	7723-14-0	0.07 mg/L			N/A	mg/L		0.02 mg/L		365.3 ALS Environmental Kelo	AC26179
AC26179	2021/12/16	11:13	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26179:202112161113:SR	Field Meter	Acidity, hydrogen ion (H+)	N/A	7.1 SU			N/A	SU	N/A	SU	4500-H+B	Clackamas County-Water	AC26179
AC26179	2021/12/16	11:13	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26179:202112161113:SR	Field Meter	Conductivity	N/A	116.1 uS/cm			N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC26179
AC26179	2021/12/16	11:13	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26179:202112161113:SR	Field Meter	Temperature, water	N/A	7.6 deg C			N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC26179
AC26179	2021/12/16	11:13	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26179:202112161113:SR	Field Meter	Total Dissolved Solids	N/A	57 mg/L			5.6 mg/L		5.6 mg/L		2540-C	Clackamas County-Water	AC26179
AC26179	2021/12/16	11:13	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26179:202112161113:SR	Grab	Total Suspended Solids	N/A	8 mg/L			1.17 mg/L		1.17 mg/L		2540-D	Clackamas County-Water	AC26179
AC26179	2021/12/16	11:13	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26179:202112161113:SR	Grab	Total Solids	N/A	136 mg/L			5 mg/L		5 mg/L		2540-B	Clackamas County-Water	AC26179
AC26179	2021/12/16	11:13	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC26179:202112161113:SR	Grab	Dissolved Oxygen	N/A	10.7 mg/L			0.02 mg/L		0.02 mg/L		4500-O-C	Clackamas County-Water	AC26179
AC27470	2022/01/13	07:55	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27470:202201130755:SR	Grab	Copper	7440-50-8	0.96 ug/L			0.1 ug/L		0.1 ug/L		200.8 ALS Environmental Kelo	AC27470	
AC27470	2022/01/13	07:55	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27470:202201130755:SR	Grab	Lead	7439-92-1	0.222 ug/L			0.01 ug/L		0.01 ug/L		200.8 ALS Environmental Kelo	AC27470	
AC27470	2022/01/13	07:55	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27470:202201130755:SR	Grab	Zinc	7440-66-6	3.6 ug/L			1 ug/L		1 ug/L		200.8 ALS Environmental Kelo	AC27470	
AC27470	2022/01/13	07:55	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27470:202201130755:SR	Grab	Copper, dissolved	7440-50-8	0.68 ug/L			0.1 ug/L		0.1 ug/L		200.8 ALS Environmental Kelo	AC27470	
AC27470	2022/01/13	07:55	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27470:202201130755:SR	Grab	Lead, dissolved	7439-92-1	0.057 ug/L			0.02 ug/L		0.02 ug/L		200.8 ALS Environmental Kelo	AC27470	
AC27470	2022/01/13	07:55	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27470:202201130755:SR	Grab	Zinc, dissolved	7440-66-6	2.8 ug/L			1 ug/L		1 ug/L		200.8 ALS Environmental Kelo	AC27470	
AC27470	2022/01/13	07:55	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27470:202201130755:SR	Grab	E. Coli	68583-22-2	16 MPN/100ml			1 MPN/100ml		1 MPN/100ml		COLILERT/2000	Clackamas County-Water	AC27470
AC27470	2022/01/13	07:55	PST (~Nov-Feb)																

Monitoring Location ID	Activity Start Date	Activity Start Time	Activity Start/End Time Zone	Activity Media Subdivision Name	Activity Type	Activity ID (Locked)	Sample Collection Method	Characteristic Name	CAS Number	Result Value	Result Unit	Result Measure Qualifier	Detection Limit Value	Detection Limit Unit	Reporting Limit Value	Reporting Limit Unit	Result Analytical Method ID	Laboratory Name	Lab Sample ID
AC27472	2022/01/13	09:18	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27472:202201130918:SR	Grab	Total Hardness	N/A	51 mg/l CaCO3			5.3 mg/l CaCO3		5.3 mg/l CaCO3		2340c	Clackamas County-Water	AC27472
AC27472	2022/01/13	09:18	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27472:202201130918:SR	Grab	Ammonia-nitrogen	N/A	<0.03 mg/L			0.01 mg/L		0.03 mg/L		4500-NH3 G	Clackamas County-Water	AC27472
AC27472	2022/01/13	09:18	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27472:202201130918:SR	Grab	Nitrate/Nitrite as N	14797-55-8	1.7 mg/L			0.0625 mg/L		0.0625 mg/L		4500-NO3(F)	Clackamas County-Water	AC27472
AC27472	2022/01/13	09:18	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27472:202201130918:SR	Grab	Orthophosphate	14265-44-2	<0.025 mg/L			0.025 mg/L		0.025 mg/L		4500-P-F	Clackamas County-Water	AC27472
AC27472	2022/01/13	09:18	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27472:202201130918:SR	Grab	Phosphorus	7723-14-0	0.04 mg/L			N/A mg/L		0.02 mg/L		365.3	ALS Environmental Kelo	AC27472
AC27472	2022/01/13	09:18	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27472:202201130918:SR	Grab	Acidity, hydrogen ion (H+)	N/A	7.5 SU			N/A SU		N/A SU		4500-H+B	Clackamas County-Water	AC27472
AC27472	2022/01/13	09:18	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27472:202201130918:SR	Field Meter	Conductivity	N/A	126.4 uS/cm			N/A uS/cm		N/A uS/cm		2510	Clackamas County-Water	AC27472
AC27472	2022/01/13	09:18	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27472:202201130918:SR	Field Meter	Temperature, water	N/A	9.3 deg C			N/A deg C		N/A deg C		2550 B	Clackamas County-Water	AC27472
AC27472	2022/01/13	09:18	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27472:202201130918:SR	Field Meter	Total Dissolved Solids	N/A	88 mg/L			N/A mg/L		5.6 mg/L		2540-C	Clackamas County-Water	AC27472
AC27472	2022/01/13	09:18	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27472:202201130918:SR	Grab	Total Suspended Solids	N/A	3 mg/L			1.17 mg/L		1.17 mg/L		2540-D	Clackamas County-Water	AC27472
AC27472	2022/01/13	09:18	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27472:202201130918:SR	Grab	Total Solids	N/A	133 mg/L			5 mg/L		5 mg/L		2540-B	Clackamas County-Water	AC27472
AC27472	2022/01/13	09:18	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27472:202201130918:SR	Grab	Dissolved Oxygen	N/A	10.6 mg/L			0.02 mg/L		0.02 mg/L		4500-O-C	Clackamas County-Water	AC27472
AC27473	2022/01/13	10:03	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27473:202201131003:SR	Grab	Copper	7440-50-8	1.91 ug/L			0.1 ug/L		0.1 ug/L		200.8	ALS Environmental Kelo	AC27473
AC27473	2022/01/13	10:03	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27473:202201131003:SR	Grab	Lead	7439-92-1	0.299 ug/L			0.01 ug/L		0.01 ug/L		200.8	ALS Environmental Kelo	AC27473
AC27473	2022/01/13	10:03	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27473:202201131003:SR	Grab	Zinc	7440-66-6	33.2 ug/L			0.01 ug/L		1 ug/L		200.8	ALS Environmental Kelo	AC27473
AC27473	2022/01/13	10:03	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27473:202201131003:SR	Grab	Copper, dissolved	7440-50-8	1.22 ug/L			0.1 ug/L		0.1 ug/L		200.8	ALS Environmental Kelo	AC27473
AC27473	2022/01/13	10:03	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27473:202201131003:SR	Grab	Lead, dissolved	7439-92-1	0.038 ug/L			0.02 ug/L		0.02 ug/L		200.8	ALS Environmental Kelo	AC27473
AC27473	2022/01/13	10:03	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27473:202201131003:SR	Grab	Zinc, dissolved	7440-66-6	21.1 ug/L			1 ug/L		1 ug/L		200.8	ALS Environmental Kelo	AC27473
AC27473	2022/01/13	10:03	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27473:202201131003:SR	Grab	E. Coli	68583-22-2	162 MPN/100ml			1 MPN/100ml		1 MPN/100ml		COLILERT/2000	Clackamas County-Water	AC27473
AC27473	2022/01/13	10:03	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27473:202201131003:SR	Grab	Total Hardness	N/A	64 mg/l CaCO3			5.3 mg/l CaCO3		5.3 mg/l CaCO3		2340c	Clackamas County-Water	AC27473
AC27473	2022/01/13	10:03	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27473:202201131003:SR	Grab	Ammonia-nitrogen	N/A	0.014 mg/L			0.01 mg/L		0.025 mg/L		4500-NH3 G	Clackamas County-Water	AC27473
AC27473	2022/01/13	10:03	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27473:202201131003:SR	Grab	Nitrate/Nitrite as N	14797-55-8	1 mg/L			0.0625 mg/L		0.0625 mg/L		4500-NO3(F)	Clackamas County-Water	AC27473
AC27473	2022/01/13	10:03	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27473:202201131003:SR	Grab	Orthophosphate	14265-44-2	<0.025 mg/L			0.025 mg/L		0.025 mg/L		4500-P-F	Clackamas County-Water	AC27473
AC27473	2022/01/13	10:03	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27473:202201131003:SR	Grab	Phosphorus	7723-14-0	0.03 mg/L			N/A mg/L		0.02 mg/L		365.3	ALS Environmental Kelo	AC27473
AC27473	2022/01/13	10:03	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27473:202201131003:SR	Grab	Acidity, hydrogen ion (H+)	N/A	7.5 SU			N/A SU		N/A SU		4500-H+B	Clackamas County-Water	AC27473
AC27473	2022/01/13	10:03	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27473:202201131003:SR	Field Meter	Conductivity	N/A	159.4 uS/cm			N/A uS/cm		N/A uS/cm		2510	Clackamas County-Water	AC27473
AC27473	2022/01/13	10:03	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27473:202201131003:SR	Field Meter	Temperature, water	N/A	10 deg C			N/A deg C		N/A deg C		2550 B	Clackamas County-Water	AC27473
AC27473	2022/01/13	10:03	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27473:202201131003:SR	Field Meter	Total Dissolved Solids	N/A	105 mg/L			5.6 mg/L		5.6 mg/L		2540-C	Clackamas County-Water	AC27473
AC27473	2022/01/13	10:03	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27473:202201131003:SR	Grab	Total Suspended Solids	N/A	6 mg/L			1.17 mg/L		1.17 mg/L		2540-D	Clackamas County-Water	AC27473
AC27473	2022/01/13	10:03	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27473:202201131003:SR	Grab	Total Solids	N/A	154 mg/L			5 mg/L		5 mg/L		2540-B	Clackamas County-Water	AC27473
AC27473	2022/01/13	10:03	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27473:202201131003:SR	Grab	Dissolved Oxygen	N/A	10.4 mg/L			0.02 mg/L		0.02 mg/L		4500-O-C	Clackamas County-Water	AC27473
AC27474	2022/01/13	10:28	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27474:202201131028:SR	Grab	Copper	7440-50-8	1.11 ug/L			0.1 ug/L		0.1 ug/L		200.8	ALS Environmental Kelo	AC27474
AC27474	2022/01/13	10:28	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27474:202201131028:SR	Grab	Lead	7439-92-1	0.361 ug/L			0.01 ug/L		0.01 ug/L		200.8	ALS Environmental Kelo	AC27474
AC27474	2022/01/13	10:28	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27474:202201131028:SR	Grab	Zinc	7440-66-6	16.7 ug/L			1 ug/L		1 ug/L		200.8	ALS Environmental Kelo	AC27474
AC27474	2022/01/13	10:28	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27474:202201131028:SR	Grab	Copper, dissolved	7440-50-8	0.81 ug/L			0.1 ug/L		0.1 ug/L		200.8	ALS Environmental Kelo	AC27474
AC27474	2022/01/13	10:28	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27474:202201131028:SR	Grab	Lead, dissolved	7439-92-1	0.073 ug/L			0.02 ug/L		0.02 ug/L		200.8	ALS Environmental Kelo	AC27474
AC27474	2022/01/13	10:28	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27474:202201131028:SR	Grab	Zinc, dissolved	7440-66-6	12.4 ug/L			1 ug/L		1 ug/L		200.8	ALS Environmental Kelo	AC27474
AC27474	2022/01/13	10:28	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27474:202201131028:SR	Grab	E. Coli	68583-22-2	36 MPN/100ml			1 MPN/100ml		1 MPN/100ml		COLILERT/2000	Clackamas County-Water	AC27474
AC27474	2022/01/13	10:28	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27474:202201131028:SR	Grab	Total Hardness	N/A	70 mg/l CaCO3			5.3 mg/l CaCO3		5.3 mg/l CaCO3		2340c	Clackamas County-Water	AC27474
AC27474	2022/01/13	10:28	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27474:202201131028:SR	Grab	Ammonia-nitrogen	N/A	0.048 mg/L			0.03 mg/L		0.03 mg/L		4500-NH3 G	Clackamas County-Water	AC27474
AC27474	2022/01/13	10:28	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27474:202201131028:SR	Grab	Nitrate/Nitrite as N	14797-55-8	2.2 mg/L			0.0625 mg/L		0.0625 mg/L		4500-NO3(F)	Clackamas County-Water	AC27474
AC27474	2022/01/13	10:28	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27474:202201131028:SR	Grab	Orthophosphate	14265-44-2	0.07 mg/L			0.025 mg/L		0.025 mg/L		4500-P-F	Clackamas County-Water	AC27474
AC27474	2022/01/13	10:28	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27474:202201131028:SR	Grab	Phosphorus	7723-14-0	0.12 mg/L			N/A mg/L		0.02 mg/L		365.3	ALS Environmental Kelo	AC27474
AC27474	2022/01/13	10:28	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27474:202201131028:SR	Grab	Acidity, hydrogen ion (H+)	N/A	7 SU			N/A SU		N/A SU		4500-H+B	Clackamas County-Water	AC27474
AC27474	2022/01/13	10:28	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27474:202201131028:SR	Field Meter	Conductivity	N/A	160.4 uS/cm			N/A uS/cm		N/A uS/cm		2510	Clackamas County-Water	AC27474
AC27474	2022/01/13	10:28	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27474:202201131028:SR	Field Meter	Temperature, water	N/A	9.7 deg C			N/A deg C		N/A deg C		2550 B	Clackamas County-Water	AC27474
AC27474	2022/01/13	10:28	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27474:202201131028:SR	Field Meter	Total Dissolved Solids	N/A	123 mg/L			5.6 mg/L		5.6 mg/L		2540-C	Clackamas County-Water	AC27474
AC27474	2022/01/13	10:28	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27474:202201131028:SR	Grab	Total Suspended Solids	N/A	8 mg/L			1.17 mg/L		1.17 mg/L		2540-D	Clackamas County-Water	AC27474
AC27474	2022/01/13	10:28	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27474:202201131028:SR	Grab	Total Solids	N/A	183 mg/L			5 mg/L		5 mg/L		2540-B	Clackamas County-Water	AC27474
AC27474	2022/01/13	10:28	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27474:202201131028:SR	Grab	Dissolved Oxygen	N/A	9.1 mg/L			0.02 mg/L		0.02 mg/L		4500-O-C	Clackamas County-Water	AC27474
AC27475	2022/01/13	10:47	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27475:202201131047:SR	Grab	Copper	7440-50-8	1.78 ug/L			0.1 ug/L		0.1 ug/L		200.8	ALS Environmental Kelo	AC27475
AC27475	2022/01/13	10:47	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27475:202201131047:SR	Grab	Lead	7439-92-1	0.337 ug/L			0.01 ug/L		0.01 ug/L		200.8	ALS Environmental Kelo	AC27475
AC27475	2022/01/13	10:47	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27475:202201131047:SR	Grab	Zinc	7440-66-6	20.2 ug/L			1 ug/L		1 ug/L		200.8	ALS Environmental Kelo	AC27475
AC27475	2022/01/13	10:47	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27475:202201131047:SR	Grab	Copper, dissolved	7440-50-8	1.17 ug/L			0.1 ug/L		0.1 ug/L		200.8	ALS Environmental Kelo	AC27475
AC27475	2022/01/13	10:47	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27475:202201131047:SR	Grab	Lead, dissolved	7439-92-1	0.045 ug/L			0.02 ug/L		0.02 ug/L		200.8	ALS Environmental Kelo	AC27475
AC27475	2022/01/13	10:47	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27475:202201131047:SR	Grab	Zinc, dissolved	7440-66-6	10.4 ug/L			1 ug/L		1 ug/L		200.8	ALS Environmental Kelo	AC27475
AC27475	2022/01/13	10:47	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27475:202201131047:SR	Grab	E. Coli	68583-22-2	727 MPN/100ml			1 MPN/100ml		1 MPN/100ml		COLILERT/2000	Clackamas County-Water	AC27475
AC27475	2022/01/13	10:47	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27475:202201131047:SR	Grab	Total Hardness	N/A	69 mg/l CaCO3			5.3 mg/l CaCO3		5.3 mg/l CaCO3		2340c	Clackamas County-Water	AC27475
AC27475	2022/01/13	10:47	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27475:202201131047:SR	Grab	Ammonia-nitrogen	N/A	0.14 mg/L			0.01 mg/L		0.025 mg/L		4500-NH3 G	Clackamas County-Water	AC27475
AC27475	2022/01/13	10:47	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27475:202201131047:SR	Grab	Nitrate/Nitrite as N	14797-55-8	0.88 mg/L			0.0625 mg/L		0.0625 mg/L		4500-NO3(F)	Clackamas County-Water	AC27475
AC27475	2022/01/13	10:47	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27475:202201131047:SR	Grab	Orthophosphate	14265-44-2	<0.025 mg/L			0.025 mg/L		0.025 mg/L		4500-P-F	Clackamas County-Water	AC27475
AC27475	2022/01/13	10:47	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27475:202201131047:SR	Grab	Phosphorus	7723-14-0	0.06 mg/L			N/A mg/L		0.02 mg/L		365.3	ALS Environmental Kelo	AC27475
AC27475	20																		

Monitoring Location ID	Activity Start Date	Activity Start Time	Activity Start/End Time Zone	Activity Media Subdivision Name	Activity Type	Activity ID (Locked)	Sample Collection Method	Characteristic Name	CAS Number	Result Value	Result Unit	Result Measure Qualifier	Detection Limit Value	Detection Limit Unit	Reporting Limit Value	Reporting Limit Unit	Result Analytical Method ID	Laboratory Name	Lab Sample ID
AC27477	2022/01/13	08:32	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27477:202201130832:SR	Grab	Total Hardness	N/A	81 mg/l CaCO3			5.3 mg/l CaCO3		5.3 mg/l CaCO3		2340c	Clackamas County-Water	AC27477
AC27477	2022/01/13	08:32	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27477:202201130832:SR	Grab	Ammonia-nitrogen	N/A	0.032 mg/L			0.01 mg/L		0.025 mg/L		4500-NH3 G	Clackamas County-Water	AC27477
AC27477	2022/01/13	08:32	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27477:202201130832:SR	Grab	Nitrate/Nitrite as N	14797-55-8	0.45 mg/L			0.0625 mg/L		0.0625 mg/L		4500-NO3(F)	Clackamas County-Water	AC27477
AC27477	2022/01/13	08:32	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27477:202201130832:SR	Grab	Orthophosphate	14265-44-2	<0.025 mg/L			0.025 mg/L		0.025 mg/L		4500-P-F	Clackamas County-Water	AC27477
AC27477	2022/01/13	08:32	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27477:202201130832:SR	Grab	Phosphorus	7723-14-0	0.04 mg/L			N/A	mg/L	0.02 mg/L		365.3	ALS Environmental Kelo	AC27477
AC27477	2022/01/13	08:32	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27477:202201130832:SR	Grab	Acidity, hydrogen ion (H+)	N/A	7 SU			N/A	SU	SU		4500-H+B	Clackamas County-Water	AC27477
AC27477	2022/01/13	08:32	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27477:202201130832:SR	Field Meter	Conductivity	N/A	173.2 uS/cm			N/A	uS/cm	uS/cm		2510	Clackamas County-Water	AC27477
AC27477	2022/01/13	08:32	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27477:202201130832:SR	Field Meter	Temperature, water	N/A	9.3 deg C			N/A	deg C	deg C		2550 B	Clackamas County-Water	AC27477
AC27477	2022/01/13	08:32	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27477:202201130832:SR	Field Meter	Total Dissolved Solids	N/A	110 mg/L			N/A	mg/L	mg/L		2540-C	Clackamas County-Water	AC27477
AC27477	2022/01/13	08:32	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27477:202201130832:SR	Grab	Total Suspended Solids	N/A	3 mg/L			5.6 mg/L		5.6 mg/L		2540-D	Clackamas County-Water	AC27477
AC27477	2022/01/13	08:32	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27477:202201130832:SR	Grab	Total Solids	N/A	155 mg/L			1.17 mg/L		1.17 mg/L		2540-B	Clackamas County-Water	AC27477
AC27477	2022/01/13	08:32	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27477:202201130832:SR	Grab	Dissolved Oxygen	N/A	7.9 mg/L			5 mg/L		5 mg/L		2540-C	Clackamas County-Water	AC27477
AC27478	2022/01/13	11:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27478:202201131110:SR	Grab	Copper	7440-50-8	0.1 ug/L			0.02 mg/L		0.02 mg/L		4500-O-C	Clackamas County-Water	AC27478
AC27478	2022/01/13	11:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27478:202201131110:SR	Grab	Lead	7439-92-1	0.162 ug/L			0.1 ug/L		0.1 ug/L		200.8	ALS Environmental Kelo	AC27478
AC27478	2022/01/13	11:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27478:202201131110:SR	Grab	Zinc	7440-66-6	1 ug/L			0.01 ug/L		0.01 ug/L		200.8	ALS Environmental Kelo	AC27478
AC27478	2022/01/13	11:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27478:202201131110:SR	Grab	Copper, dissolved	7440-50-8	1.13 ug/L			0.1 ug/L		0.1 ug/L		200.8	ALS Environmental Kelo	AC27478
AC27478	2022/01/13	11:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27478:202201131110:SR	Grab	Lead, dissolved	7439-92-1	0.039 ug/L			0.02 ug/L		0.02 ug/L		200.8	ALS Environmental Kelo	AC27478
AC27478	2022/01/13	11:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27478:202201131110:SR	Grab	Zinc, dissolved	7440-66-6	13 ug/L			1 ug/L		1 ug/L		200.8	ALS Environmental Kelo	AC27478
AC27478	2022/01/13	11:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27478:202201131110:SR	Grab	E. Coli	68583-22-2	866 MPN/100ml			1 MPN/100ml		1 MPN/100ml		COLILERT/2000	Clackamas County-Water	AC27478
AC27478	2022/01/13	11:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27478:202201131110:SR	Grab	Total Hardness	N/A	70 mg/l CaCO3			5.3 mg/l CaCO3		5.3 mg/l CaCO3		2340c	Clackamas County-Water	AC27478
AC27478	2022/01/13	11:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27478:202201131110:SR	Grab	Ammonia-nitrogen	N/A	0.031 mg/L			0.01 mg/L		0.025 mg/L		4500-NH3 G	Clackamas County-Water	AC27478
AC27478	2022/01/13	11:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27478:202201131110:SR	Grab	Nitrate/Nitrite as N	14797-55-8	1.3 mg/L			0.0625 mg/L		0.0625 mg/L		4500-NO3(F)	Clackamas County-Water	AC27478
AC27478	2022/01/13	11:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27478:202201131110:SR	Grab	Orthophosphate	14265-44-2	0.04 mg/L			0.025 mg/L		0.025 mg/L		4500-P-F	Clackamas County-Water	AC27478
AC27478	2022/01/13	11:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27478:202201131110:SR	Grab	Phosphorus	7723-14-0	0.08 mg/L			N/A	mg/L	0.02 mg/L		365.3	ALS Environmental Kelo	AC27478
AC27478	2022/01/13	11:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27478:202201131110:SR	Field Meter	Acidity, hydrogen ion (H+)	N/A	7.4 SU			N/A	SU	SU		4500-H+B	Clackamas County-Water	AC27478
AC27478	2022/01/13	11:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27478:202201131110:SR	Field Meter	Conductivity	N/A	164.7 uS/cm			N/A	uS/cm	uS/cm		2510	Clackamas County-Water	AC27478
AC27478	2022/01/13	11:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27478:202201131110:SR	Field Meter	Temperature, water	N/A	9.3 deg C			N/A	deg C	deg C		2550 B	Clackamas County-Water	AC27478
AC27478	2022/01/13	11:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27478:202201131110:SR	Field Meter	Total Dissolved Solids	N/A	119 mg/L			5.6 mg/L		5.6 mg/L		2540-C	Clackamas County-Water	AC27478
AC27478	2022/01/13	11:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27478:202201131110:SR	Grab	Total Suspended Solids	N/A	3 mg/L			1.17 mg/L		1.17 mg/L		2540-D	Clackamas County-Water	AC27478
AC27478	2022/01/13	11:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27478:202201131110:SR	Grab	Total Solids	N/A	166 mg/L			5 mg/L		5 mg/L		2540-B	Clackamas County-Water	AC27478
AC27478	2022/01/13	11:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC27478:202201131110:SR	Grab	Dissolved Oxygen	N/A	10.1 mg/L			0.02 mg/L		0.02 mg/L		4500-O-C	Clackamas County-Water	AC27478
AC28970	2022/02/15	07:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28970:202202150740:SR	Grab	Copper	7440-50-8	0.89 ug/L			0.1 ug/L		0.1 ug/L		200.8	ALS Environmental Kelo	AC28970
AC28970	2022/02/15	07:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28970:202202150740:SR	Grab	Lead	7439-92-1	0.126 ug/L			0.01 ug/L		0.01 ug/L		200.8	ALS Environmental Kelo	AC28970
AC28970	2022/02/15	07:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28970:202202150740:SR	Grab	Zinc	7440-66-6	2.3 ug/L			1 ug/L		1 ug/L		200.8	ALS Environmental Kelo	AC28970
AC28970	2022/02/15	07:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28970:202202150740:SR	Grab	Copper, dissolved	7440-50-8	0.7 ug/L			0.1 ug/L		0.1 ug/L		200.8	ALS Environmental Kelo	AC28970
AC28970	2022/02/15	07:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28970:202202150740:SR	Grab	Lead, dissolved	7439-92-1	0.037 ug/L			0.02 ug/L		0.02 ug/L		200.8	ALS Environmental Kelo	AC28970
AC28970	2022/02/15	07:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28970:202202150740:SR	Grab	Zinc, dissolved	7440-66-6	3.8 ug/L			1 ug/L		1 ug/L		200.8	ALS Environmental Kelo	AC28970
AC28970	2022/02/15	07:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28970:202202150740:SR	Grab	E. Coli	68583-22-2	11 MPN/100ml			1 MPN/100ml		1 MPN/100ml		COLILERT/2000	Clackamas County-Water	AC28970
AC28970	2022/02/15	07:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28970:202202150740:SR	Grab	Total Hardness	N/A	37 mg/l CaCO3			5.3 mg/l CaCO3		5.3 mg/l CaCO3		2340c	Clackamas County-Water	AC28970
AC28970	2022/02/15	07:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28970:202202150740:SR	Grab	Ammonia-nitrogen	N/A	mg/L			0.01 mg/L		0.03 mg/L		4500-NH3 G	Clackamas County-Water	AC28970
AC28970	2022/02/15	07:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28970:202202150740:SR	Grab	Nitrate/Nitrite as N	14797-55-8	1.1 mg/L			0.0625 mg/L		0.0625 mg/L		4500-NO3(F)	Clackamas County-Water	AC28970
AC28970	2022/02/15	07:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28970:202202150740:SR	Grab	Orthophosphate	14265-44-2	0.03 mg/L			0.006 mg/L		0.006 mg/L		4500-P-F	Clackamas County-Water	AC28970
AC28970	2022/02/15	07:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28970:202202150740:SR	Grab	Phosphorus	7723-14-0	0.05 mg/L			N/A	mg/L	0.02 mg/L		365.3	ALS Environmental Kelo	AC28970
AC28970	2022/02/15	07:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28970:202202150740:SR	Field Meter	Acidity, hydrogen ion (H+)	N/A	7.1 SU			N/A	SU	SU		4500-H+B	Clackamas County-Water	AC28970
AC28970	2022/02/15	07:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28970:202202150740:SR	Field Meter	Conductivity	N/A	113.7 uS/cm			N/A	uS/cm	uS/cm		2510	Clackamas County-Water	AC28970
AC28970	2022/02/15	07:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28970:202202150740:SR	Field Meter	Temperature, water	N/A	6.5 deg C			N/A	deg C	deg C		2550 B	Clackamas County-Water	AC28970
AC28970	2022/02/15	07:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28970:202202150740:SR	Grab	Total Dissolved Solids	N/A	88 mg/L			5.6 mg/L		5.6 mg/L		2540-C	Clackamas County-Water	AC28970
AC28970	2022/02/15	07:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28970:202202150740:SR	Grab	Total Suspended Solids	N/A	2.2 mg/L			1.17 mg/L		1.17 mg/L		2540-D	Clackamas County-Water	AC28970
AC28970	2022/02/15	07:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28970:202202150740:SR	Grab	Total Solids	N/A	94 mg/L			5 mg/L		5 mg/L		2540-B	Clackamas County-Water	AC28970
AC28970	2022/02/15	07:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28970:202202150740:SR	Grab	Total volatile solids	N/A	28 mg/L			5 mg/L		5 mg/L		2540-E	Clackamas County-Water	AC28970
AC28970	2022/02/15	07:40	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28970:202202150740:SR	Grab	Dissolved Oxygen	N/A	11.5 mg/L			0.02 mg/L		0.02 mg/L		4500-O-C	Clackamas County-Water	AC28970
AC28971	2022/02/15	08:50	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28971:202202150850:SR	Grab	Copper	7440-50-8	1.12 ug/L			0.1 ug/L		0.1 ug/L		200.8	ALS Environmental Kelo	AC28971
AC28971	2022/02/15	08:50	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28971:202202150850:SR	Grab	Lead	7439-92-1	0.09 ug/L			0.01 ug/L		0.01 ug/L		200.8	ALS Environmental Kelo	AC28971
AC28971	2022/02/15	08:50	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28971:202202150850:SR	Grab	Zinc	7440-66-6	21.4 ug/L			1 ug/L		1 ug/L		200.8	ALS Environmental Kelo	AC28971
AC28971	2022/02/15	08:50	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28971:202202150850:SR	Grab	Copper, dissolved	7440-50-8	0.86 ug/L			0.1 ug/L		0.1 ug/L		200.8	ALS Environmental Kelo	AC28971
AC28971	2022/02/15	08:50	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28971:202202150850:SR	Grab	Lead, dissolved	7439-92-1	0.021 ug/L			0.02 ug/L		0.02 ug/L		200.8	ALS Environmental Kelo	AC28971
AC28971	2022/0																		

Monitoring Location ID	Activity Start Date	Activity Start Time	Activity Start/End Time Zone	Activity Media Subdivision Name	Activity Type	Activity ID (Locked)	Sample Collection Method	Characteristic Name	CAS Number	Result Value	Result Unit	Result Measure Qualifier	Detection Limit Value	Detection Limit Unit	Reporting Limit Value	Reporting Limit Unit	Result Analytical Method ID	Laboratory Name	Lab Sample ID
AC28973	2022/02/15	10:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28973:202202151000:SR	Grab	E. Coli	68583-22-2	68 MPN/100ml			1	MPN/100ml	1	MPN/100ml	COLILERT/2000	Clackamas County-Water	AC28973
AC28973	2022/02/15	10:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28973:202202151000:SR	Grab	Total Hardness	N/A	56 mg/l CaCO3			5.3	mg/l CaCO3	5.3	mg/l CaCO3	2340c	Clackamas County-Water	AC28973
AC28973	2022/02/15	10:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28973:202202151000:SR	Grab	Ammonia-nitrogen	N/A		<0.03		0.01	mg/L	0.025	mg/L	4500-NH3 G	Clackamas County-Water	AC28973
AC28973	2022/02/15	10:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28973:202202151000:SR	Grab	Nitrate/Nitrite as N	14797-55-8	0.91 mg/L			0.0625	mg/L	0.0625	mg/L	4500-NO3(F)	Clackamas County-Water	AC28973
AC28973	2022/02/15	10:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28973:202202151000:SR	Grab	Orthophosphate	14265-44-2		<0.025		0.025	mg/L	0.025	mg/L	4500-P-F	Clackamas County-Water	AC28973
AC28973	2022/02/15	10:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28973:202202151000:SR	Grab	Phosphorus	7723-14-0	0.04 mg/L			N/A	mg/L	0.02	mg/L	365.3	ALS Environmental Kelso	AC28973
AC28973	2022/02/15	10:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28973:202202151000:SR	Grab	Acidity, hydrogen ion (H+)	N/A	7.6 SU			N/A	SU	N/A	SU	4500-H+B	Clackamas County-Water	AC28973
AC28973	2022/02/15	10:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28973:202202151000:SR	Field Meter	Conductivity	N/A	169.3 uS/cm			N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC28973
AC28973	2022/02/15	10:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28973:202202151000:SR	Field Meter	Temperature, water	N/A	9.3 deg C			N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC28973
AC28973	2022/02/15	10:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28973:202202151000:SR	Field Meter	Total Dissolved Solids	N/A	100 mg/L			5.6	mg/L	5.6	mg/L	2540-C	Clackamas County-Water	AC28973
AC28973	2022/02/15	10:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28973:202202151000:SR	Grab	Total Suspended Solids	N/A	2.2 mg/L			1.17	mg/L	1.17	mg/L	2540-D	Clackamas County-Water	AC28973
AC28973	2022/02/15	10:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28973:202202151000:SR	Grab	Total Solids	N/A	114 mg/L			5	mg/L	5	mg/L	2540-B	Clackamas County-Water	AC28973
AC28973	2022/02/15	10:00	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28973:202202151000:SR	Grab	Dissolved Oxygen	N/A	11.2 mg/L			0.02	mg/L	0.02	mg/L	4500-O-C	Clackamas County-Water	AC28973
AC28974	2022/02/15	10:30	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28974:202202151030:SR	Grab	Copper	7440-50-8	1.67 ug/L			0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC28974
AC28974	2022/02/15	10:30	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28974:202202151030:SR	Grab	Lead	7439-92-1	0.897 ug/L			0.01	ug/L	0.01	ug/L	200.8	ALS Environmental Kelso	AC28974
AC28974	2022/02/15	10:30	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28974:202202151030:SR	Grab	Zinc	7440-66-6	18.6 ug/L			1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC28974
AC28974	2022/02/15	10:30	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28974:202202151030:SR	Grab	Copper, dissolved	7440-50-8	0.86 ug/L			0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC28974
AC28974	2022/02/15	10:30	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28974:202202151030:SR	Grab	Lead, dissolved	7439-92-1	0.081 ug/L			0.02	ug/L	0.02	ug/L	200.8	ALS Environmental Kelso	AC28974
AC28974	2022/02/15	10:30	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28974:202202151030:SR	Grab	Zinc, dissolved	7440-66-6	11.3 ug/L			1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC28974
AC28974	2022/02/15	10:30	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28974:202202151030:SR	Grab	E. Coli	68583-22-2	248 MPN/100ml			1	MPN/100ml	1	MPN/100ml	COLILERT/2000	Clackamas County-Water	AC28974
AC28974	2022/02/15	10:30	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28974:202202151030:SR	Grab	Total Hardness	N/A	73 mg/l CaCO3			5.3	mg/l CaCO3	5.3	mg/l CaCO3	2340c	Clackamas County-Water	AC28974
AC28974	2022/02/15	10:30	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28974:202202151030:SR	Grab	Ammonia-nitrogen	N/A		<0.03		0.03	mg/L	0.03	mg/L	4500-NH3 G	Clackamas County-Water	AC28974
AC28974	2022/02/15	10:30	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28974:202202151030:SR	Grab	Nitrate/Nitrite as N	14797-55-8	1.9 mg/L			0.0625	mg/L	0.0625	mg/L	4500-NO3(F)	Clackamas County-Water	AC28974
AC28974	2022/02/15	10:30	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28974:202202151030:SR	Grab	Orthophosphate	14265-44-2	0.07 mg/L			0.025	mg/L	0.025	mg/L	4500-P-F	Clackamas County-Water	AC28974
AC28974	2022/02/15	10:30	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28974:202202151030:SR	Grab	Phosphorus	7723-14-0	0.16 mg/L			N/A	mg/L	0.02	mg/L	365.3	ALS Environmental Kelso	AC28974
AC28974	2022/02/15	10:30	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28974:202202151030:SR	Grab	Acidity, hydrogen ion (H+)	N/A	7 SU			N/A	SU	N/A	SU	4500-H+B	Clackamas County-Water	AC28974
AC28974	2022/02/15	10:30	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28974:202202151030:SR	Field Meter	Conductivity	N/A	187.8 uS/cm			N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC28974
AC28974	2022/02/15	10:30	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28974:202202151030:SR	Field Meter	Temperature, water	N/A	9.7 deg C			N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC28974
AC28974	2022/02/15	10:30	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28974:202202151030:SR	Field Meter	Total Dissolved Solids	N/A	133 mg/L			5.6	mg/L	5.6	mg/L	2540-C	Clackamas County-Water	AC28974
AC28974	2022/02/15	10:30	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28974:202202151030:SR	Grab	Total Suspended Solids	N/A	22.5 mg/L			1.17	mg/L	1.17	mg/L	2540-D	Clackamas County-Water	AC28974
AC28974	2022/02/15	10:30	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28974:202202151030:SR	Grab	Total Solids	N/A	167 mg/L			5	mg/L	5	mg/L	2540-B	Clackamas County-Water	AC28974
AC28974	2022/02/15	10:30	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28974:202202151030:SR	Grab	Dissolved Oxygen	N/A	9.1 mg/L			0.02	mg/L	0.02	mg/L	4500-O-C	Clackamas County-Water	AC28974
AC28975	2022/02/15	10:50	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28975:202202151050:SR	Grab	Copper	7440-50-8	2.52 ug/L			0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC28975
AC28975	2022/02/15	10:50	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28975:202202151050:SR	Grab	Lead	7439-92-1	0.36 ug/L			0.01	ug/L	0.01	ug/L	200.8	ALS Environmental Kelso	AC28975
AC28975	2022/02/15	10:50	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28975:202202151050:SR	Grab	Zinc	7440-66-6	278 ug/L			1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC28975
AC28975	2022/02/15	10:50	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28975:202202151050:SR	Grab	Copper, dissolved	7440-50-8	1.66 ug/L			0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC28975
AC28975	2022/02/15	10:50	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28975:202202151050:SR	Grab	Lead, dissolved	7439-92-1	0.103 ug/L			0.02	ug/L	0.02	ug/L	200.8	ALS Environmental Kelso	AC28975
AC28975	2022/02/15	10:50	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28975:202202151050:SR	Grab	Zinc, dissolved	7440-66-6	239 ug/L			1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC28975
AC28975	2022/02/15	10:50	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28975:202202151050:SR	Grab	E. Coli	68583-22-2	1410 MPN/100ml			1	MPN/100ml	1	MPN/100ml	COLILERT/2000	Clackamas County-Water	AC28975
AC28975	2022/02/15	10:50	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28975:202202151050:SR	Grab	Total Hardness	N/A	58 mg/l CaCO3			5.3	mg/l CaCO3	5.3	mg/l CaCO3	2340c	Clackamas County-Water	AC28975
AC28975	2022/02/15	10:50	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28975:202202151050:SR	Grab	Ammonia-nitrogen	N/A		<0.03		0.01	mg/L	0.025	mg/L	4500-NH3 G	Clackamas County-Water	AC28975
AC28975	2022/02/15	10:50	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28975:202202151050:SR	Grab	Nitrate/Nitrite as N	14797-55-8	0.53 mg/L			0.0625	mg/L	0.0625	mg/L	4500-NO3(F)	Clackamas County-Water	AC28975
AC28975	2022/02/15	10:50	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28975:202202151050:SR	Grab	Orthophosphate	14265-44-2		<0.025		0.025	mg/L	0.025	mg/L	4500-P-F	Clackamas County-Water	AC28975
AC28975	2022/02/15	10:50	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28975:202202151050:SR	Grab	Phosphorus	7723-14-0	0.08 mg/L			N/A	mg/L	0.02	mg/L	365.3	ALS Environmental Kelso	AC28975
AC28975	2022/02/15	10:50	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28975:202202151050:SR	Grab	Acidity, hydrogen ion (H+)	N/A	7.2 SU			N/A	SU	N/A	SU	4500-H+B	Clackamas County-Water	AC28975
AC28975	2022/02/15	10:50	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28975:202202151050:SR	Field Meter	Conductivity	N/A	216 uS/cm			N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC28975
AC28975	2022/02/15	10:50	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28975:202202151050:SR	Field Meter	Temperature, water	N/A	8.8 deg C			N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC28975
AC28975	2022/02/15	10:50	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28975:202202151050:SR	Field Meter	Total Dissolved Solids	N/A	90 mg/L			5.6	mg/L	5.6	mg/L	2540-C	Clackamas County-Water	AC28975
AC28975	2022/02/15	10:50	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28975:202202151050:SR	Grab	Total Suspended Solids	N/A	6.8 mg/L			1.17	mg/L	1.17	mg/L	2540-D	Clackamas County-Water	AC28975
AC28975	2022/02/15	10:50	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28975:202202151050:SR	Grab	Total Solids	N/A	118 mg/L			5	mg/L	5	mg/L	2540-B	Clackamas County-Water	AC28975
AC28975	2022/02/15	10:50	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28975:202202151050:SR	Grab	Dissolved Oxygen	N/A	9.8 mg/L			0.02	mg/L	0.02	mg/L	4500-O-C	Clackamas County-Water	AC28975
AC28976	2022/02/15	09:35	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28976:202202150935:SR	Grab	Copper	7440-50-8	1.12 ug/L			0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC28976
AC28976	2022/02/15	09:35	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28976:202202150935:SR	Grab	Lead	7439-92-1	0.195 ug/L			0.01	ug/L	0.01	ug/L	200.8	ALS Environmental Kelso	AC28976
AC28976	2022/02/15	09:35	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28976:202202150935:SR	Grab	Zinc	7440-66-6	3.8 ug/L			1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC28976
AC28976	2022/02/15	09:35	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28976:202202150935:SR	Grab	Copper, dissolved	7440-50-8	0.85 ug/L			0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC28976
AC28976	2022/02/15	09:35	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28976:202202150935:SR	Grab												

Monitoring Location ID	Activity Start Date	Activity Start Time	Activity Start/End Time Zone	Activity Media Subdivision Name	Activity Type	Activity ID (Locked)	Sample Collection Method	Characteristic Name	CAS Number	Result Value	Result Unit	Result Measure Qualifier	Detection Limit Value	Detection Limit Unit	Reporting Limit Value	Reporting Limit Unit	Result Analytical Method ID	Laboratory Name	Lab Sample ID
AC28978	2022/02/15	11:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28978:202202151110:SR	Grab	E. Coli	68583-22-2	1730	MPN/100ml						COLILERT/2000	Clackamas County-Water	AC28978
AC28978	2022/02/15	11:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28978:202202151110:SR	Grab	Total Hardness	N/A	61	mg/l CaCO3		5.3	mg/l CaCO3	5.3	mg/l CaCO3	2340c	Clackamas County-Water	AC28978
AC28978	2022/02/15	11:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28978:202202151110:SR	Grab	Ammonia-nitrogen	N/A		mg/L	<0.03	0.01	mg/L	0.025	mg/L	4500-NH3 G	Clackamas County-Water	AC28978
AC28978	2022/02/15	11:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28978:202202151110:SR	Grab	Nitrate/Nitrite as N	14797-55-8	0.91	mg/L		0.0625	mg/L	0.0625	mg/L	4500-NO3(F)	Clackamas County-Water	AC28978
AC28978	2022/02/15	11:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28978:202202151110:SR	Grab	Orthophosphate	14265-44-2	0.03	mg/L		0.025	mg/L	0.025	mg/L	4500-P-F	Clackamas County-Water	AC28978
AC28978	2022/02/15	11:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28978:202202151110:SR	Grab	Phosphorus	7723-14-0	0.09	mg/L		0.025	mg/L	0.025	mg/L	365.3	ALS Environmental Kelso	AC28978
AC28978	2022/02/15	11:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28978:202202151110:SR	Grab	Acidity, hydrogen ion (H+)	N/A	7.6	SU		N/A	SU	N/A	SU	4500-H+B	Clackamas County-Water	AC28978
AC28978	2022/02/15	11:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28978:202202151110:SR	Field Meter	Conductivity	N/A	158.4	uS/cm		N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC28978
AC28978	2022/02/15	11:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28978:202202151110:SR	Field Meter	Temperature, water	N/A	9.2	deg C		N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC28978
AC28978	2022/02/15	11:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28978:202202151110:SR	Field Meter	Total Dissolved Solids	N/A	106	mg/L		5.6	mg/L	5.6	mg/L	2540-C	Clackamas County-Water	AC28978
AC28978	2022/02/15	11:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28978:202202151110:SR	Grab	Total Suspended Solids	N/A	3.8	mg/L		1.17	mg/L	1.17	mg/L	2540-D	Clackamas County-Water	AC28978
AC28978	2022/02/15	11:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28978:202202151110:SR	Grab	Total Solids	N/A	128	mg/L		5	mg/L	5	mg/L	2540-B	Clackamas County-Water	AC28978
AC28978	2022/02/15	11:10	PST (~Nov-Feb)	Surface Water	Sample-Routine	AC28978:202202151110:SR	Grab	Dissolved Oxygen	N/A	11.4	mg/L		0.02	mg/L	0.02	mg/L	4500-O-C	Clackamas County-Water	AC28978
AC30258	2022/03/15	08:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30258:202203150840:SR	Grab	Copper	7440-50-8	1.49	ug/L		0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC30258
AC30258	2022/03/15	08:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30258:202203150840:SR	Grab	Lead	7439-92-1	0.361	ug/L		0.01	ug/L	0.01	ug/L	200.8	ALS Environmental Kelso	AC30258
AC30258	2022/03/15	08:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30258:202203150840:SR	Grab	Zinc	7440-66-6	5.6	ug/L		1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC30258
AC30258	2022/03/15	08:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30258:202203150840:SR	Grab	Copper, dissolved	7440-50-8	1.02	ug/L		0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC30258
AC30258	2022/03/15	08:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30258:202203150840:SR	Grab	Lead, dissolved	7439-92-1	0.113	ug/L		0.02	ug/L	0.02	ug/L	200.8	ALS Environmental Kelso	AC30258
AC30258	2022/03/15	08:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30258:202203150840:SR	Grab	Zinc, dissolved	7440-66-6	5.5	ug/L		1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC30258
AC30258	2022/03/15	08:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30258:202203150840:SR	Grab	E. Coli	68583-22-2	39	MPN/100ml		1	MPN/100ml	1	MPN/100ml	COLILERT/2000	Clackamas County-Water	AC30258
AC30258	2022/03/15	08:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30258:202203150840:SR	Grab	Total Hardness	N/A	32	mg/l CaCO3		5.3	mg/l CaCO3	5.3	mg/l CaCO3	2340c	Clackamas County-Water	AC30258
AC30258	2022/03/15	08:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30258:202203150840:SR	Grab	Ammonia-nitrogen	N/A		mg/L	<0.0205	0.01	mg/L	0.03	mg/L	4500-NH3 G	Clackamas County-Water	AC30258
AC30258	2022/03/15	08:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30258:202203150840:SR	Grab	Nitrate/Nitrite as N	14797-55-8	0.82	mg/L		0.0625	mg/L	0.0625	mg/L	4500-NO3(F)	Clackamas County-Water	AC30258
AC30258	2022/03/15	08:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30258:202203150840:SR	Grab	Orthophosphate	14265-44-2	0.03	mg/L		0.006	mg/L	0.006	mg/L	4500-P-F	Clackamas County-Water	AC30258
AC30258	2022/03/15	08:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30258:202203150840:SR	Grab	Phosphorus	7723-14-0	0.07	mg/L		0.02	mg/L	0.02	mg/L	365.3	ALS Environmental Kelso	AC30258
AC30258	2022/03/15	08:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30258:202203150840:SR	Field Meter	Acidity, hydrogen ion (H+)	N/A	7	SU		N/A	SU	N/A	SU	4500-H+B	Clackamas County-Water	AC30258
AC30258	2022/03/15	08:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30258:202203150840:SR	Field Meter	Conductivity	N/A	96.4	uS/cm		N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC30258
AC30258	2022/03/15	08:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30258:202203150840:SR	Field Meter	Temperature, water	N/A	9.6	deg C		N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC30258
AC30258	2022/03/15	08:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30258:202203150840:SR	Grab	Total Dissolved Solids	N/A	75	mg/L		5.6	mg/L	5.6	mg/L	2540-C	Clackamas County-Water	AC30258
AC30258	2022/03/15	08:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30258:202203150840:SR	Grab	Total Suspended Solids	N/A	7.5	mg/L		1.17	mg/L	1.17	mg/L	2540-D	Clackamas County-Water	AC30258
AC30258	2022/03/15	08:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30258:202203150840:SR	Grab	Total Solids	N/A	111	mg/L		5	mg/L	5	mg/L	2540-B	Clackamas County-Water	AC30258
AC30258	2022/03/15	08:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30258:202203150840:SR	Grab	Total volatile solids	N/A	49	mg/L		5	mg/L	5	mg/L	2540-E	Clackamas County-Water	AC30258
AC30258	2022/03/15	08:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30258:202203150840:SR	Grab	Dissolved Oxygen	N/A	11.3	mg/L		0.02	mg/L	0.02	mg/L	4500-O-C	Clackamas County-Water	AC30258
AC30259	2022/03/15	09:22	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30259:202203150922:SR	Grab	Copper	7440-50-8	1.38	ug/L		0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC30259
AC30259	2022/03/15	09:22	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30259:202203150922:SR	Grab	Lead	7439-92-1	0.163	ug/L		0.01	ug/L	0.01	ug/L	200.8	ALS Environmental Kelso	AC30259
AC30259	2022/03/15	09:22	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30259:202203150922:SR	Grab	Zinc	7440-66-6	30.3	ug/L		1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC30259
AC30259	2022/03/15	09:22	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30259:202203150922:SR	Grab	Copper, dissolved	7440-50-8	1.05	ug/L		0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC30259
AC30259	2022/03/15	09:22	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30259:202203150922:SR	Grab	Lead, dissolved	7439-92-1	0.037	ug/L		0.02	ug/L	0.02	ug/L	200.8	ALS Environmental Kelso	AC30259
AC30259	2022/03/15	09:22	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30259:202203150922:SR	Grab	Zinc, dissolved	7440-66-6	27.1	ug/L		1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC30259
AC30259	2022/03/15	09:22	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30259:202203150922:SR	Grab	E. Coli	68583-22-2	179	MPN/100ml		1	MPN/100ml	1	MPN/100ml	COLILERT/2000	Clackamas County-Water	AC30259
AC30259	2022/03/15	09:22	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30259:202203150922:SR	Grab	Total Hardness	N/A	78	mg/l CaCO3		5.3	mg/l CaCO3	5.3	mg/l CaCO3	2340c	Clackamas County-Water	AC30259
AC30259	2022/03/15	09:22	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30259:202203150922:SR	Grab	Ammonia-nitrogen	N/A		mg/L	<0.0205	0.01	mg/L	0.03	mg/L	4500-NH3 G	Clackamas County-Water	AC30259
AC30259	2022/03/15	09:22	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30259:202203150922:SR	Grab	Nitrate/Nitrite as N	14797-55-8	0.82	mg/L		0.0625	mg/L	0.0625	mg/L	4500-NO3(F)	Clackamas County-Water	AC30259
AC30259	2022/03/15	09:22	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30259:202203150922:SR	Grab	Orthophosphate	14265-44-2		mg/L	<0.025	0.025	mg/L	0.025	mg/L	4500-P-F	Clackamas County-Water	AC30259
AC30259	2022/03/15	09:22	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30259:202203150922:SR	Grab	Phosphorus	7723-14-0	0.03	mg/L		0.02	mg/L	0.02	mg/L	365.3	ALS Environmental Kelso	AC30259
AC30259	2022/03/15	09:22	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30259:202203150922:SR	Field Meter	Acidity, hydrogen ion (H+)	N/A	6.5	SU		N/A	SU	N/A	SU	4500-H+B	Clackamas County-Water	AC30259
AC30259	2022/03/15	09:22	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30259:202203150922:SR	Field Meter	Conductivity	N/A	167.1	uS/cm		N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC30259
AC30259	2022/03/15	09:22	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30259:202203150922:SR	Field Meter	Temperature, water	N/A	10.8	deg C		N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC30259
AC30259	2022/03/15	09:22	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30259:202203150922:SR	Field Meter	Total Dissolved Solids	N/A	122	mg/L		5.6	mg/L	5.6	mg/L	2540-C	Clackamas County-Water	AC30259
AC30259	2022/03/15	09:22	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30259:202203150922:SR	Grab	Total Suspended Solids	N/A	2.4	mg/L		1.17	mg/L	1.17	mg/L	2540-D	Clackamas County-Water	AC30259
AC30259	2022/03/15	09:22	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30259:202203150922:SR	Grab	Total Solids	N/A	160	mg/L		5	mg/L	5	mg/L	2540-B	Clackamas County-Water	AC30259
AC30259	2022/03/15	09:22	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30259:202203150922:SR	Grab	Dissolved Oxygen	N/A	10.5	mg/L		0.02	mg/L	0.02	mg/L	4500-O-C	Clackamas County-Water	AC30259
AC30260	2022/03/15	09:48	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30260:202203150948:SR	Grab	Copper	7440-50-8	1.91	ug/L		0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC30260
AC30260	2022/03/15	09:48	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30260:202203150948:SR	Grab	Lead	7439-92-1	0.188	ug/L		0.01	ug/L	0.01	ug/L	200.8	ALS Environmental Kelso	AC30260
AC30260	2022/03/15	09:48	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30260:202203150948:SR	Grab	Zinc	7440-66-6	28.3	ug/L		1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC30260
AC30260	2022/03/15	09:48	PDT (~Mar-Oct)</																

Monitoring Location ID	Activity Start Date	Activity Start Time	Activity Start/End Time Zone	Activity Media Subdivision Name	Activity Type	Activity ID (Locked)	Sample Collection Method	Characteristic Name	CAS Number	Result Value	Result Unit	Result Measure Qualifier	Detection Limit Value	Detection Limit Unit	Reporting Limit Value	Reporting Limit Unit	Result Analytical Method ID	Laboratory Name	Lab Sample ID
AC30262	2022/03/15	11:03	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30262:202203151103:SR	Grab	Zinc, dissolved	7440-66-6	23.3	ug/L		1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC30262
AC30262	2022/03/15	11:03	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30262:202203151103:SR	Grab	E. Coli	68583-22-2	260	MPN/100ml		1	MPN/100ml	1	MPN/100ml	COLILERT/2000	Clackamas County-Water	AC30262
AC30262	2022/03/15	11:03	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30262:202203151103:SR	Grab	Total Hardness	N/A	58	mg/l CaCO3		5.3	mg/l CaCO3	5.3	mg/l CaCO3	2340c	Clackamas County-Water	AC30262
AC30262	2022/03/15	11:03	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30262:202203151103:SR	Grab	Ammonia-nitrogen	N/A	0.03	mg/L		0.03	mg/L	0.03	mg/L	4500-NH3 G	Clackamas County-Water	AC30262
AC30262	2022/03/15	11:03	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30262:202203151103:SR	Grab	Nitrate/Nitrite as N	14797-55-8	1.7	mg/L		0.0625	mg/L	0.0625	mg/L	4500-NO3(F)	Clackamas County-Water	AC30262
AC30262	2022/03/15	11:03	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30262:202203151103:SR	Grab	Orthophosphate	14265-44-2	0.05	mg/L		0.025	mg/L	0.025	mg/L	4500-P-F	Clackamas County-Water	AC30262
AC30262	2022/03/15	11:03	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30262:202203151103:SR	Grab	Phosphorus	7723-14-0	0.1	mg/L		N/A	mg/L	0.02	mg/L	365.3	ALS Environmental Kelso	AC30262
AC30262	2022/03/15	11:03	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30262:202203151103:SR	Grab	Acidity, hydrogen ion (H+)	N/A	6.5	SU		N/A	SU	N/A	SU	4500-H+B	Clackamas County-Water	AC30262
AC30262	2022/03/15	11:03	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30262:202203151103:SR	Field Meter	Conductivity	N/A	137.7	uS/cm		N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC30262
AC30262	2022/03/15	11:03	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30262:202203151103:SR	Field Meter	Temperature, water	N/A	11	deg C		N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC30262
AC30262	2022/03/15	11:03	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30262:202203151103:SR	Field Meter	Total Dissolved Solids	N/A	85	mg/L		N/A	mg/L	N/A	mg/L	2540-C	Clackamas County-Water	AC30262
AC30262	2022/03/15	11:03	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30262:202203151103:SR	Grab	Total Suspended Solids	N/A	4.8	mg/L		5.6	mg/L	5.6	mg/L	2540-D	Clackamas County-Water	AC30262
AC30262	2022/03/15	11:03	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30262:202203151103:SR	Grab	Total Solids	N/A	149	mg/L		1.17	mg/L	1.17	mg/L	2540-B	Clackamas County-Water	AC30262
AC30262	2022/03/15	11:03	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30262:202203151103:SR	Grab	Dissolved Oxygen	N/A	9.7	mg/L		0.02	mg/L	0.02	mg/L	4500-O-C	Clackamas County-Water	AC30262
AC30263	2022/03/15	11:18	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30263:202203151118:SR	Grab	Copper	7440-50-8	2.42	ug/L		0.02	mg/L	0.02	mg/L	200.8	ALS Environmental Kelso	AC30263
AC30263	2022/03/15	11:18	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30263:202203151118:SR	Grab	Lead	7439-92-1	0.347	ug/L		0.01	ug/L	0.01	ug/L	200.8	ALS Environmental Kelso	AC30263
AC30263	2022/03/15	11:18	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30263:202203151118:SR	Grab	Zinc	7440-66-6	28.9	ug/L		0.01	ug/L	0.01	ug/L	200.8	ALS Environmental Kelso	AC30263
AC30263	2022/03/15	11:18	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30263:202203151118:SR	Grab	Copper, dissolved	7440-50-8	1.63	ug/L		0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC30263
AC30263	2022/03/15	11:18	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30263:202203151118:SR	Grab	Lead, dissolved	7439-92-1	0.104	ug/L		0.02	ug/L	0.02	ug/L	200.8	ALS Environmental Kelso	AC30263
AC30263	2022/03/15	11:18	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30263:202203151118:SR	Grab	Zinc, dissolved	7440-66-6	22	ug/L		1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC30263
AC30263	2022/03/15	11:18	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30263:202203151118:SR	Grab	E. Coli	68583-22-2	1730	MPN/100ml		1	MPN/100ml	1	MPN/100ml	COLILERT/2000	Clackamas County-Water	AC30263
AC30263	2022/03/15	11:18	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30263:202203151118:SR	Grab	Total Hardness	N/A	47	mg/l CaCO3		5.3	mg/l CaCO3	5.3	mg/l CaCO3	2340c	Clackamas County-Water	AC30263
AC30263	2022/03/15	11:18	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30263:202203151118:SR	Grab	Ammonia-nitrogen	N/A		mg/L	<0.0205	0.01	mg/L	0.025	mg/L	4500-NH3 G	Clackamas County-Water	AC30263
AC30263	2022/03/15	11:18	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30263:202203151118:SR	Grab	Nitrate/Nitrite as N	14797-55-8	0.48	mg/L		0.0625	mg/L	0.0625	mg/L	4500-NO3(F)	Clackamas County-Water	AC30263
AC30263	2022/03/15	11:18	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30263:202203151118:SR	Grab	Orthophosphate	14265-44-2		mg/L	<0.025	0.025	mg/L	0.025	mg/L	4500-P-F	Clackamas County-Water	AC30263
AC30263	2022/03/15	11:18	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30263:202203151118:SR	Grab	Phosphorus	7723-14-0	0.05	mg/L		N/A	mg/L	0.02	mg/L	365.3	ALS Environmental Kelso	AC30263
AC30263	2022/03/15	11:18	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30263:202203151118:SR	Grab	Acidity, hydrogen ion (H+)	N/A	6.6	SU		N/A	SU	N/A	SU	4500-H+B	Clackamas County-Water	AC30263
AC30263	2022/03/15	11:18	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30263:202203151118:SR	Field Meter	Conductivity	N/A	114.7	uS/cm		N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC30263
AC30263	2022/03/15	11:18	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30263:202203151118:SR	Field Meter	Temperature, water	N/A	10.5	deg C		N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC30263
AC30263	2022/03/15	11:18	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30263:202203151118:SR	Field Meter	Total Dissolved Solids	N/A	106	mg/L		N/A	mg/L	N/A	mg/L	2540-C	Clackamas County-Water	AC30263
AC30263	2022/03/15	11:18	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30263:202203151118:SR	Grab	Total Suspended Solids	N/A	6.4	mg/L		5.6	mg/L	5.6	mg/L	2540-D	Clackamas County-Water	AC30263
AC30263	2022/03/15	11:18	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30263:202203151118:SR	Grab	Total Solids	N/A	117	mg/L		1.17	mg/L	1.17	mg/L	2540-B	Clackamas County-Water	AC30263
AC30263	2022/03/15	11:18	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30263:202203151118:SR	Grab	Dissolved Oxygen	N/A	10.3	mg/L		0.02	mg/L	0.02	mg/L	4500-O-C	Clackamas County-Water	AC30263
AC30264	2022/03/15	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30264:202203151010:SR	Grab	Copper	7440-50-8	1.41	ug/L		0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC30264
AC30264	2022/03/15	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30264:202203151010:SR	Grab	Lead	7439-92-1	0.26	ug/L		0.01	ug/L	0.01	ug/L	200.8	ALS Environmental Kelso	AC30264
AC30264	2022/03/15	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30264:202203151010:SR	Grab	Zinc	7440-66-6	7.4	ug/L		1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC30264
AC30264	2022/03/15	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30264:202203151010:SR	Grab	Copper, dissolved	7440-50-8	0.92	ug/L		0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC30264
AC30264	2022/03/15	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30264:202203151010:SR	Grab	Lead, dissolved	7439-92-1	0.066	ug/L		0.02	ug/L	0.02	ug/L	200.8	ALS Environmental Kelso	AC30264
AC30264	2022/03/15	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30264:202203151010:SR	Grab	Zinc, dissolved	7440-66-6	4	ug/L		1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC30264
AC30264	2022/03/15	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30264:202203151010:SR	Grab	E. Coli	68583-22-2	80	MPN/100ml		1	MPN/100ml	1	MPN/100ml	COLILERT/2000	Clackamas County-Water	AC30264
AC30264	2022/03/15	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30264:202203151010:SR	Grab	Total Hardness	N/A	35	mg/l CaCO3		5.3	mg/l CaCO3	5.3	mg/l CaCO3	2340c	Clackamas County-Water	AC30264
AC30264	2022/03/15	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30264:202203151010:SR	Grab	Ammonia-nitrogen	N/A		mg/L	<0.0205	0.01	mg/L	0.025	mg/L	4500-NH3 G	Clackamas County-Water	AC30264
AC30264	2022/03/15	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30264:202203151010:SR	Grab	Nitrate/Nitrite as N	14797-55-8	0.99	mg/L		0.0625	mg/L	0.0625	mg/L	4500-NO3(F)	Clackamas County-Water	AC30264
AC30264	2022/03/15	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30264:202203151010:SR	Grab	Orthophosphate	14265-44-2		mg/L	<0.025	0.025	mg/L	0.025	mg/L	4500-P-F	Clackamas County-Water	AC30264
AC30264	2022/03/15	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30264:202203151010:SR	Grab	Phosphorus	7723-14-0	0.06	mg/L		N/A	mg/L	0.02	mg/L	365.3	ALS Environmental Kelso	AC30264
AC30264	2022/03/15	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30264:202203151010:SR	Grab	Acidity, hydrogen ion (H+)	N/A	7	SU		N/A	SU	N/A	SU	4500-H+B	Clackamas County-Water	AC30264
AC30264	2022/03/15	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30264:202203151010:SR	Field Meter	Conductivity	N/A	95.3	uS/cm		N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC30264
AC30264	2022/03/15	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30264:202203151010:SR	Field Meter	Temperature, water	N/A	9.5	deg C		N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC30264
AC30264	2022/03/15	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30264:202203151010:SR	Field Meter	Total Dissolved Solids	N/A	66	mg/L		N/A	mg/L	N/A	mg/L	2540-C	Clackamas County-Water	AC30264
AC30264	2022/03/15	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30264:202203151010:SR	Grab	Total Suspended Solids	N/A	41	mg/L		1.17	mg/L	1.17	mg/L	2540-D	Clackamas County-Water	AC30264
AC30264	2022/03/15	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30264:202203151010:SR	Grab	Total Solids	N/A	128	mg/L		5	mg/L	5	mg/L	2540-B	Clackamas County-Water	AC30264
AC30264	2022/03/15	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30264:202203151010:SR	Grab	Dissolved Oxygen	N/A	11.3	mg/L		0.02	mg/L	0.02	mg/L	4500-O-C	Clackamas County-Water	AC30264
AC30265	2022/03/15	09:08	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30265:202203150908:SR	Grab	Copper	7440-50-8	2.35	ug/L		0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC30265
AC30265	2022/03/15	09:08	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30265:202203150908:SR	Grab	Lead	7439-92-1	0.312	ug/L		0.01	ug/L	0.01	ug/L	200.8	ALS Environmental Kelso	AC30265
AC30265	2022/03/15	09:08	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC30265:202203150908:SR	Grab	Zinc	7440-66-6	47.8	ug/L		1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC30265
AC30265	2022/03/15	09:0																	

Monitoring Location ID	Activity Start Date	Activity Start Time	Activity Start/End Time Zone	Activity Media Subdivision Name	Activity Type	Activity ID (Locked)	Sample Collection Method	Characteristic Name	CAS Number	Result Value	Result Unit	Result Measure Qualifier	Detection Limit Value	Detection Limit Unit	Reporting Limit Value	Reporting Limit Unit	Result Analytical Method ID	Laboratory Name	Lab Sample ID
AC31379	2022/04/07	08:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31379-202204070820:SR	Grab	Zinc, dissolved	7440-66-6	<2.0	ug/L		1 ug/L		1 ug/L		200.8	ALS Environmental Kelso	AC31379
AC31379	2022/04/07	08:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31379-202204070820:SR	Grab	E. Coli	68583-22-2		52 MPN/100ml		1 MPN/100ml		1 MPN/100ml		COLILERT/2000	Clackamas County-Water	AC31379
AC31379	2022/04/07	08:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31379-202204070820:SR	Grab	Total Hardness	N/A		38 mg/l CaCO3		5.3 mg/l CaCO3		5.3 mg/l CaCO3		2340c	Clackamas County-Water	AC31379
AC31379	2022/04/07	08:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31379-202204070820:SR	Grab	Ammonia-nitrogen	N/A	<0.0205	mg/L		0.01 mg/L		0.03 mg/L		4500-NH3 G	Clackamas County-Water	AC31379
AC31379	2022/04/07	08:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31379-202204070820:SR	Grab	Nitrate/Nitrite as N	14797-55-8		0.86 mg/L		0.0625 mg/L		0.0625 mg/L		4500-NO3(F)	Clackamas County-Water	AC31379
AC31379	2022/04/07	08:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31379-202204070820:SR	Grab	Orthophosphate	14265-44-2	<0.025	mg/L		0.006 mg/L		0.006 mg/L		4500-P-F	Clackamas County-Water	AC31379
AC31379	2022/04/07	08:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31379-202204070820:SR	Grab	Phosphorus	7723-14-0		0.05 mg/L		N/A		0.02 mg/L		365.3	ALS Environmental Kelso	AC31379
AC31379	2022/04/07	08:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31379-202204070820:SR	Field Meter	Acidity, hydrogen ion (H+)	N/A		7.1 SU		N/A		SU		4500-H+B	Clackamas County-Water	AC31379
AC31379	2022/04/07	08:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31379-202204070820:SR	Field Meter	Conductivity	N/A		110.4 uS/cm		N/A		uS/cm		2510	Clackamas County-Water	AC31379
AC31379	2022/04/07	08:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31379-202204070820:SR	Field Meter	Temperature, water	N/A		8.3 deg C		N/A		deg C		2550 B	Clackamas County-Water	AC31379
AC31379	2022/04/07	08:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31379-202204070820:SR	Grab	Total Dissolved Solids	N/A		79 mg/L		N/A		deg C		2540-C	Clackamas County-Water	AC31379
AC31379	2022/04/07	08:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31379-202204070820:SR	Grab	Total Suspended Solids	N/A		2.7 mg/L		N/A		mg/L		2540-D	Clackamas County-Water	AC31379
AC31379	2022/04/07	08:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31379-202204070820:SR	Grab	Total Solids	N/A		108 mg/L		N/A		5 mg/L		2540-B	Clackamas County-Water	AC31379
AC31379	2022/04/07	08:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31379-202204070820:SR	Grab	Total volatile solids	N/A		49 mg/L		N/A		5 mg/L		2540-E	Clackamas County-Water	AC31379
AC31379	2022/04/07	08:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31379-202204070820:SR	Grab	Dissolved Oxygen	N/A		10.9 mg/L		N/A		0.02 mg/L		4500-O-C	Clackamas County-Water	AC31379
AC31380	2022/04/07	09:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31380-202204070930:SR	Grab	Copper	7440-50-8		0.61 ug/L		N/A		0.1 ug/L		200.8	ALS Environmental Kelso	AC31380
AC31380	2022/04/07	09:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31380-202204070930:SR	Grab	Lead	7439-92-1	<0.0205	0.053 ug/L		0.01 ug/L		0.01 ug/L		200.8	ALS Environmental Kelso	AC31380
AC31380	2022/04/07	09:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31380-202204070930:SR	Grab	Zinc	7440-66-6		13.7 ug/L		N/A		1 ug/L		200.8	ALS Environmental Kelso	AC31380
AC31380	2022/04/07	09:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31380-202204070930:SR	Grab	Copper, dissolved	7440-50-8		0.65 ug/L		N/A		0.1 ug/L		200.8	ALS Environmental Kelso	AC31380
AC31380	2022/04/07	09:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31380-202204070930:SR	Grab	Lead, dissolved	7439-92-1	<0.020	ug/L		0.02 ug/L		0.02 ug/L		200.8	ALS Environmental Kelso	AC31380
AC31380	2022/04/07	09:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31380-202204070930:SR	Grab	Zinc, dissolved	7440-66-6		12.7 ug/L		N/A		1 ug/L		200.8	ALS Environmental Kelso	AC31380
AC31380	2022/04/07	09:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31380-202204070930:SR	Grab	E. Coli	68583-22-2		18 MPN/100ml		1 MPN/100ml		1 MPN/100ml		COLILERT/2000	Clackamas County-Water	AC31380
AC31380	2022/04/07	09:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31380-202204070930:SR	Grab	Total Hardness	N/A		110 mg/l CaCO3		5.3 mg/l CaCO3		5.3 mg/l CaCO3		2340c	Clackamas County-Water	AC31380
AC31380	2022/04/07	09:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31380-202204070930:SR	Grab	Ammonia-nitrogen	N/A	<0.0205	mg/L		0.01 mg/L		0.03 mg/L		4500-NH3 G	Clackamas County-Water	AC31380
AC31380	2022/04/07	09:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31380-202204070930:SR	Grab	Nitrate/Nitrite as N	14797-55-8		0.92 mg/L		0.0625 mg/L		0.0625 mg/L		4500-NO3(F)	Clackamas County-Water	AC31380
AC31380	2022/04/07	09:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31380-202204070930:SR	Grab	Orthophosphate	14265-44-2	<0.025	mg/L		0.025 mg/L		0.025 mg/L		4500-P-F	Clackamas County-Water	AC31380
AC31380	2022/04/07	09:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31380-202204070930:SR	Grab	Phosphorus	7723-14-0		0.02 mg/L		N/A		0.02 mg/L		365.3	ALS Environmental Kelso	AC31380
AC31380	2022/04/07	09:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31380-202204070930:SR	Grab	Acidity, hydrogen ion (H+)	N/A		7.4 SU		N/A		SU		4500-H+B	Clackamas County-Water	AC31380
AC31380	2022/04/07	09:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31380-202204070930:SR	Field Meter	Conductivity	N/A		270 uS/cm		N/A		uS/cm		2510	Clackamas County-Water	AC31380
AC31380	2022/04/07	09:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31380-202204070930:SR	Field Meter	Temperature, water	N/A		11.2 deg C		N/A		deg C		2550 B	Clackamas County-Water	AC31380
AC31380	2022/04/07	09:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31380-202204070930:SR	Field Meter	Total Dissolved Solids	N/A		154 mg/L		N/A		5.6 mg/L		2540-C	Clackamas County-Water	AC31380
AC31380	2022/04/07	09:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31380-202204070930:SR	Grab	Total Suspended Solids	N/A		2.3 mg/L		N/A		1.17 mg/L		2540-D	Clackamas County-Water	AC31380
AC31380	2022/04/07	09:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31380-202204070930:SR	Grab	Total Solids	N/A		199 mg/L		N/A		5 mg/L		2540-B	Clackamas County-Water	AC31380
AC31380	2022/04/07	09:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31380-202204070930:SR	Grab	Dissolved Oxygen	N/A		11.2 mg/L		N/A		0.02 mg/L		4500-O-C	Clackamas County-Water	AC31380
AC31381	2022/04/07	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31381-202204071010:SR	Grab	Copper	7440-50-8		1.09 ug/L		N/A		0.1 ug/L		200.8	ALS Environmental Kelso	AC31381
AC31381	2022/04/07	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31381-202204071010:SR	Grab	Lead	7439-92-1	<0.0205	0.071 ug/L		0.01 ug/L		0.01 ug/L		200.8	ALS Environmental Kelso	AC31381
AC31381	2022/04/07	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31381-202204071010:SR	Grab	Zinc	7440-66-6		24.8 ug/L		N/A		1 ug/L		200.8	ALS Environmental Kelso	AC31381
AC31381	2022/04/07	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31381-202204071010:SR	Grab	Copper, dissolved	7440-50-8		0.79 ug/L		N/A		0.1 ug/L		200.8	ALS Environmental Kelso	AC31381
AC31381	2022/04/07	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31381-202204071010:SR	Grab	Lead, dissolved	7439-92-1	<0.020	ug/L		0.02 ug/L		0.02 ug/L		200.8	ALS Environmental Kelso	AC31381
AC31381	2022/04/07	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31381-202204071010:SR	Grab	Zinc, dissolved	7440-66-6		17.8 ug/L		N/A		1 ug/L		200.8	ALS Environmental Kelso	AC31381
AC31381	2022/04/07	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31381-202204071010:SR	Grab	E. Coli	68583-22-2		49 MPN/100ml		1 MPN/100ml		1 MPN/100ml		COLILERT/2000	Clackamas County-Water	AC31381
AC31381	2022/04/07	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31381-202204071010:SR	Grab	Total Hardness	N/A		59 mg/l CaCO3		5.3 mg/l CaCO3		5.3 mg/l CaCO3		2340c	Clackamas County-Water	AC31381
AC31381	2022/04/07	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31381-202204071010:SR	Grab	Ammonia-nitrogen	N/A	<0.0205	mg/L		0.01 mg/L		0.03 mg/L		4500-NH3 G	Clackamas County-Water	AC31381
AC31381	2022/04/07	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31381-202204071010:SR	Grab	Nitrate/Nitrite as N	14797-55-8		1.5 mg/L		0.0625 mg/L		0.0625 mg/L		4500-NO3(F)	Clackamas County-Water	AC31381
AC31381	2022/04/07	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31381-202204071010:SR	Grab	Orthophosphate	14265-44-2	<0.025	mg/L		0.025 mg/L		0.025 mg/L		4500-P-F	Clackamas County-Water	AC31381
AC31381	2022/04/07	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31381-202204071010:SR	Grab	Phosphorus	7723-14-0		0.03 mg/L		N/A		0.02 mg/L		365.3	ALS Environmental Kelso	AC31381
AC31381	2022/04/07	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31381-202204071010:SR	Grab	Acidity, hydrogen ion (H+)	N/A		7.8 SU		N/A		SU		4500-H+B	Clackamas County-Water	AC31381
AC31381	2022/04/07	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31381-202204071010:SR	Field Meter	Conductivity	N/A		149.1 uS/cm		N/A		uS/cm		2510	Clackamas County-Water	AC31381
AC31381	2022/04/07	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31381-202204071010:SR	Field Meter	Temperature, water	N/A		11.2 deg C		N/A		deg C		2550 B	Clackamas County-Water	AC31381
AC31381	2022/04/07	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31381-202204071010:SR	Field Meter	Total Dissolved Solids	N/A		96 mg/L		N/A		5.6 mg/L		2540-C	Clackamas County-Water	AC31381
AC31381	2022/04/07	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31381-202204071010:SR	Grab	Total Suspended Solids	N/A		3.3 mg/L		N/A		1.17 mg/L		2540-D	Clackamas County-Water	AC31381
AC31381	2022/04/07	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31381-202204071010:SR	Grab	Total Solids	N/A		132 mg/L		N/A		5 mg/L		2540-B	Clackamas County-Water	AC31381
AC31381	2022/04/07	10:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31381-202204071010:SR	Grab	Dissolved Oxygen	N/A		10.9 mg/L		N/A		0.02 mg/L		4500-O-C	Clackamas County-Water	AC31381
AC31382	2022/04/07	11:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31382-202204071110:SR	Grab	Copper	7440-50-8		1.2 ug/L		N/A		0.1 ug/L		200.8	ALS Environmental Kelso	AC31382
AC31382	2022/04/07	11:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31382-202204071110:SR	Grab	Lead	7439-92-1	<0.0205	0.073 ug/L		0.01 ug/L		0.01 ug/L		200.8	ALS Environmental Kelso	AC31382
AC31382	2022/04/07	11:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31382-202204071110:SR	Grab	Zinc	7440-66-6		59.9 ug/L		N/A		1 ug/L		200.8	ALS Environmental Kelso	AC31382
AC31382	2022/04/07	11:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine														

Monitoring Location ID	Activity Start Date	Activity Start Time	Activity Start/End Time Zone	Activity Media Subdivision Name	Activity Type	Activity ID (Locked)	Sample Collection Method	Characteristic Name	CAS Number	Result Value	Result Unit	Result Measure Qualifier	Detection Limit Value	Detection Limit Unit	Reporting Limit Value	Reporting Limit Unit	Result Analytical Method ID	Laboratory Name	Lab Sample ID
AC31384	2022/04/07	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31384-202204071200:SR	Grab	Lead, dissolved	7439-92-1	<0.020	ug/L		0.02	ug/L	0.02	ug/L	200.8	ALS Environmental Kelso	AC31384
AC31384	2022/04/07	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31384-202204071200:SR	Grab	Zinc, dissolved	7440-66-6		13.2	ug/L	1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC31384
AC31384	2022/04/07	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31384-202204071200:SR	Grab	E. Coli	68583-22-2		219	MPN/100ml	1	MPN/100ml	1	MPN/100ml	COLILERT/2000	Clackamas County-Water	AC31384
AC31384	2022/04/07	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31384-202204071200:SR	Grab	Total Hardness	N/A		76	mg/l CaCO3	5.3	mg/l CaCO3	5.3	mg/l CaCO3	2340c	Clackamas County-Water	AC31384
AC31384	2022/04/07	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31384-202204071200:SR	Grab	Ammonia-nitrogen	N/A		0.034	mg/L	0.01	mg/L	0.025	mg/L	4500-NH3 G	Clackamas County-Water	AC31384
AC31384	2022/04/07	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31384-202204071200:SR	Grab	Nitrate/Nitrite as N	14797-55-8		0.46	mg/L	0.0625	mg/L	0.0625	mg/L	4500-NO3(F)	Clackamas County-Water	AC31384
AC31384	2022/04/07	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31384-202204071200:SR	Grab	Orthophosphate	14265-44-2			mg/L	0.025	mg/L	0.025	mg/L	4500-P-F	Clackamas County-Water	AC31384
AC31384	2022/04/07	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31384-202204071200:SR	Grab	Phosphorus	7723-14-0	<0.025	0.07	mg/L	0.07	mg/L	0.02	mg/L	365.3	ALS Environmental Kelso	AC31384
AC31384	2022/04/07	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31384-202204071200:SR	Grab	Acidity, hydrogen ion (H+)	N/A		7.5	SU	N/A	SU	N/A	SU	4500-H+B	Clackamas County-Water	AC31384
AC31384	2022/04/07	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31384-202204071200:SR	Field Meter	Conductivity	N/A		201	uS/cm	N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC31384
AC31384	2022/04/07	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31384-202204071200:SR	Field Meter	Temperature, water	N/A		12.6	deg C	N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC31384
AC31384	2022/04/07	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31384-202204071200:SR	Field Meter	Total Dissolved Solids	N/A		115	mg/L	5.6	mg/L	5.6	mg/L	2540-C	Clackamas County-Water	AC31384
AC31384	2022/04/07	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31384-202204071200:SR	Grab	Total Suspended Solids	N/A		5	mg/L	1.17	mg/L	1.17	mg/L	2540-D	Clackamas County-Water	AC31384
AC31384	2022/04/07	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31384-202204071200:SR	Grab	Total Solids	N/A		163	mg/L	5	mg/L	5	mg/L	2540-B	Clackamas County-Water	AC31384
AC31384	2022/04/07	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31384-202204071200:SR	Grab	Dissolved Oxygen	N/A		9.3	mg/L	0.02	mg/L	0.02	mg/L	4500-O-C	Clackamas County-Water	AC31384
AC31385	2022/04/07	10:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31385-202204071040:SR	Grab	Copper	7440-50-8		0.66	ug/L	0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC31385
AC31385	2022/04/07	10:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31385-202204071040:SR	Grab	Lead	7439-92-1		0.059	ug/L	0.01	ug/L	0.01	ug/L	200.8	ALS Environmental Kelso	AC31385
AC31385	2022/04/07	10:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31385-202204071040:SR	Grab	Zinc	7440-66-6	<2.0		ug/L	1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC31385
AC31385	2022/04/07	10:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31385-202204071040:SR	Grab	Copper, dissolved	7440-50-8		0.48	ug/L	0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC31385
AC31385	2022/04/07	10:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31385-202204071040:SR	Grab	Lead, dissolved	7439-92-1	<0.020		ug/L	0.02	ug/L	0.02	ug/L	200.8	ALS Environmental Kelso	AC31385
AC31385	2022/04/07	10:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31385-202204071040:SR	Grab	Zinc, dissolved	7440-66-6		2.1	ug/L	1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC31385
AC31385	2022/04/07	10:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31385-202204071040:SR	Grab	E. Coli	68583-22-2		16	MPN/100ml	1	MPN/100ml	1	MPN/100ml	COLILERT/2000	Clackamas County-Water	AC31385
AC31385	2022/04/07	10:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31385-202204071040:SR	Grab	Total Hardness	N/A		46	mg/l CaCO3	5.3	mg/l CaCO3	5.3	mg/l CaCO3	2340c	Clackamas County-Water	AC31385
AC31385	2022/04/07	10:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31385-202204071040:SR	Grab	Ammonia-nitrogen	N/A	<0.0205		mg/L	0.01	mg/L	0.025	mg/L	4500-NH3 G	Clackamas County-Water	AC31385
AC31385	2022/04/07	10:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31385-202204071040:SR	Grab	Nitrate/Nitrite as N	14797-55-8		0.92	mg/L	0.0625	mg/L	0.0625	mg/L	4500-NO3(F)	Clackamas County-Water	AC31385
AC31385	2022/04/07	10:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31385-202204071040:SR	Grab	Orthophosphate	14265-44-2	<0.025		mg/L	0.025	mg/L	0.025	mg/L	4500-P-F	Clackamas County-Water	AC31385
AC31385	2022/04/07	10:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31385-202204071040:SR	Grab	Phosphorus	7723-14-0		0.03	mg/L	0.02	mg/L	0.02	mg/L	365.3	ALS Environmental Kelso	AC31385
AC31385	2022/04/07	10:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31385-202204071040:SR	Grab	Acidity, hydrogen ion (H+)	N/A		7.7	SU	N/A	SU	N/A	SU	4500-H+B	Clackamas County-Water	AC31385
AC31385	2022/04/07	10:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31385-202204071040:SR	Field Meter	Conductivity	N/A		154.2	uS/cm	N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC31385
AC31385	2022/04/07	10:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31385-202204071040:SR	Field Meter	Temperature, water	N/A		11.2	deg C	N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC31385
AC31385	2022/04/07	10:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31385-202204071040:SR	Field Meter	Total Dissolved Solids	N/A		79	mg/L	5.6	mg/L	5.6	mg/L	2540-C	Clackamas County-Water	AC31385
AC31385	2022/04/07	10:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31385-202204071040:SR	Grab	Total Suspended Solids	N/A		2	mg/L	1.17	mg/L	1.17	mg/L	2540-D	Clackamas County-Water	AC31385
AC31385	2022/04/07	10:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31385-202204071040:SR	Grab	Total Solids	N/A		99	mg/L	5	mg/L	5	mg/L	2540-B	Clackamas County-Water	AC31385
AC31385	2022/04/07	10:40	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31385-202204071040:SR	Grab	Dissolved Oxygen	N/A		10.7	mg/L	0.02	mg/L	0.02	mg/L	4500-O-C	Clackamas County-Water	AC31385
AC31386	2022/04/07	09:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31386-202204070905:SR	Grab	Copper	7440-50-8		1.47	ug/L	0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC31386
AC31386	2022/04/07	09:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31386-202204070905:SR	Grab	Lead	7439-92-1		0.086	ug/L	0.01	ug/L	0.01	ug/L	200.8	ALS Environmental Kelso	AC31386
AC31386	2022/04/07	09:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31386-202204070905:SR	Grab	Zinc	7440-66-6		14.9	ug/L	1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC31386
AC31386	2022/04/07	09:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31386-202204070905:SR	Grab	Copper, dissolved	7440-50-8		0.92	ug/L	0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC31386
AC31386	2022/04/07	09:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31386-202204070905:SR	Grab	Lead, dissolved	7439-92-1	<0.020		ug/L	0.02	ug/L	0.02	ug/L	200.8	ALS Environmental Kelso	AC31386
AC31386	2022/04/07	09:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31386-202204070905:SR	Grab	Zinc, dissolved	7440-66-6		12.8	ug/L	1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC31386
AC31386	2022/04/07	09:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31386-202204070905:SR	Grab	E. Coli	68583-22-2		60	MPN/100ml	1	MPN/100ml	1	MPN/100ml	COLILERT/2000	Clackamas County-Water	AC31386
AC31386	2022/04/07	09:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31386-202204070905:SR	Grab	Total Hardness	N/A		88	mg/l CaCO3	5.3	mg/l CaCO3	5.3	mg/l CaCO3	2340c	Clackamas County-Water	AC31386
AC31386	2022/04/07	09:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31386-202204070905:SR	Grab	Ammonia-nitrogen	N/A	<0.0205		mg/L	0.01	mg/L	0.025	mg/L	4500-NH3 G	Clackamas County-Water	AC31386
AC31386	2022/04/07	09:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31386-202204070905:SR	Grab	Nitrate/Nitrite as N	14797-55-8		0.11	mg/L	0.0625	mg/L	0.0625	mg/L	4500-NO3(F)	Clackamas County-Water	AC31386
AC31386	2022/04/07	09:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31386-202204070905:SR	Grab	Orthophosphate	14265-44-2	<0.025		mg/L	0.025	mg/L	0.025	mg/L	4500-P-F	Clackamas County-Water	AC31386
AC31386	2022/04/07	09:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31386-202204070905:SR	Grab	Phosphorus	7723-14-0		0.06	mg/L	0.02	mg/L	0.02	mg/L	365.3	ALS Environmental Kelso	AC31386
AC31386	2022/04/07	09:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31386-202204070905:SR	Grab	Acidity, hydrogen ion (H+)	N/A		7.1	SU	N/A	SU	N/A	SU	4500-H+B	Clackamas County-Water	AC31386
AC31386	2022/04/07	09:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31386-202204070905:SR	Field Meter	Conductivity	N/A		223	uS/cm	N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC31386
AC31386	2022/04/07	09:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31386-202204070905:SR	Field Meter	Temperature, water	N/A		11.1	deg C	N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC31386
AC31386	2022/04/07	09:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31386-202204070905:SR	Field Meter	Total Dissolved Solids	N/A		118	mg/L	5.6	mg/L	5.6	mg/L	2540-C	Clackamas County-Water	AC31386
AC31386	2022/04/07	09:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31386-202204070905:SR	Grab	Total Suspended Solids	N/A		4.6	mg/L	1.17	mg/L	1.17	mg/L	2540-D	Clackamas County-Water	AC31386
AC31386	2022/04/07	09:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31386-202204070905:SR	Grab	Total Solids	N/A		148	mg/L	5	mg/L	5	mg/L	2540-B	Clackamas County-Water	AC31386
AC31386	2022/04/07	09:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31386-202204070905:SR	Grab	Dissolved Oxygen	N/A		8.1	mg/L	0.02	mg/L	0.02	mg/L	4500-O-C	Clackamas County-Water	AC31386
AC31387	2022/04/07	12:25	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31387-202204071225:SR	Grab	Copper	7440-50-8		1.19	ug/L	0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC31387
AC31387	2022/04/07	12:25	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC31387-202204071225:SR	Grab	Lead	7439-92-1		0.153	ug/L	0.01	ug/L	0.01	ug/L	200.8	ALS Environmental Kelso	AC31387
AC3																			

Monitoring Location ID	Activity Start Date	Activity Start Time	Activity Start/End Time Zone	Activity Media Subdivision Name	Activity Type	Activity ID (Locked)	Sample Collection Method	Characteristic Name	CAS Number	Result Value	Result Unit	Result Measure Qualifier	Detection Limit Value	Detection Limit Unit	Reporting Limit Value	Reporting Limit Unit	Result Analytical Method ID	Laboratory Name	Lab Sample ID	
AC32848	2022/05/10	08:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32848:202205100855:SR	Grab	Copper, dissolved	7440-50-8	0.52	ug/L		0.1	ug/L			200.8	ALS Environmental Kelso	AC32848	
AC32848	2022/05/10	08:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32848:202205100855:SR	Grab	Lead, dissolved	7439-92-1	<0.020	ug/L		0.02	ug/L			200.8	ALS Environmental Kelso	AC32848	
AC32848	2022/05/10	08:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32848:202205100855:SR	Grab	Zinc, dissolved	7440-66-6		16.1	ug/L		1	ug/L		200.8	ALS Environmental Kelso	AC32848	
AC32848	2022/05/10	08:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32848:202205100855:SR	Grab	E. Coli	68583-22-2	>2420	MPN/100ml		1	MPN/100ml			COLILERT/2000	Clackamas County-Water	AC32848	
AC32848	2022/05/10	08:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32848:202205100855:SR	Grab	Total Hardness	N/A		97	mg/l CaCO3		5.3	mg/l CaCO3		2340c	Clackamas County-Water	AC32848	
AC32848	2022/05/10	08:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32848:202205100855:SR	Grab	Ammonia-nitrogen	N/A	<0.0205	mg/L		0.01	mg/L			4500-NH3 G	Clackamas County-Water	AC32848	
AC32848	2022/05/10	08:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32848:202205100855:SR	Grab	Nitrate/Nitrite as N	14797-55-8		1.1	mg/L		0.0625	mg/L			4500-NO3(F)	Clackamas County-Water	AC32848
AC32848	2022/05/10	08:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32848:202205100855:SR	Grab	Orthophosphate	14265-44-2	<0.025	mg/L		0.025	mg/L				4500-P-F	Clackamas County-Water	AC32848
AC32848	2022/05/10	08:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32848:202205100855:SR	Grab	Phosphorus	7723-14-0		0.02	mg/L		0.02	mg/L			365.3	ALS Environmental Kelso	AC32848
AC32848	2022/05/10	08:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32848:202205100855:SR	Grab	Acidity, hydrogen ion (H+)	N/A		7.1	SU		N/A	SU			4500-H+B	Clackamas County-Water	AC32848
AC32848	2022/05/10	08:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32848:202205100855:SR	Field Meter	Conductivity	N/A		278	uS/cm		N/A	uS/cm			2510	Clackamas County-Water	AC32848
AC32848	2022/05/10	08:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32848:202205100855:SR	Field Meter	Temperature, water	N/A		11	deg C		N/A	deg C			2550 B	Clackamas County-Water	AC32848
AC32848	2022/05/10	08:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32848:202205100855:SR	Field Meter	Total Dissolved Solids	N/A		145	mg/L		N/A	deg C			2540-C	Clackamas County-Water	AC32848
AC32848	2022/05/10	08:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32848:202205100855:SR	Grab	Total Suspended Solids	N/A	<1.2	mg/L		1.17	mg/L				2540-D	Clackamas County-Water	AC32848
AC32848	2022/05/10	08:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32848:202205100855:SR	Grab	Total Solids	N/A		153	mg/L		5	mg/L			2540-B	Clackamas County-Water	AC32848
AC32848	2022/05/10	08:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32848:202205100855:SR	Grab	Dissolved Oxygen	N/A		8.8	mg/L		0.02	mg/L			4500-O-C	Clackamas County-Water	AC32848
AC32849	2022/05/10	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32849:202205100920:SR	Grab	Copper	7440-50-8		1.26	ug/L		0.1	ug/L			200.8	ALS Environmental Kelso	AC32849
AC32849	2022/05/10	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32849:202205100920:SR	Grab	Lead	7439-92-1		0.13	ug/L		0.01	ug/L			200.8	ALS Environmental Kelso	AC32849
AC32849	2022/05/10	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32849:202205100920:SR	Grab	Zinc	7440-66-6		25.7	ug/L		1	ug/L			200.8	ALS Environmental Kelso	AC32849
AC32849	2022/05/10	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32849:202205100920:SR	Grab	Copper, dissolved	7440-50-8		0.8	ug/L		0.1	ug/L			200.8	ALS Environmental Kelso	AC32849
AC32849	2022/05/10	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32849:202205100920:SR	Grab	Lead, dissolved	7439-92-1	<0.020	ug/L		0.02	ug/L				200.8	ALS Environmental Kelso	AC32849
AC32849	2022/05/10	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32849:202205100920:SR	Grab	Zinc, dissolved	7440-66-6		18.9	ug/L		1	ug/L			200.8	ALS Environmental Kelso	AC32849
AC32849	2022/05/10	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32849:202205100920:SR	Grab	E. Coli	68583-22-2		99	MPN/100ml		1	MPN/100ml			COLILERT/2000	Clackamas County-Water	AC32849
AC32849	2022/05/10	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32849:202205100920:SR	Grab	Total Hardness	N/A		49	mg/l CaCO3		5.3	mg/l CaCO3		2340c	Clackamas County-Water	AC32849	
AC32849	2022/05/10	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32849:202205100920:SR	Grab	Ammonia-nitrogen	N/A	<0.0205	mg/L		0.01	mg/L				4500-NH3 G	Clackamas County-Water	AC32849
AC32849	2022/05/10	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32849:202205100920:SR	Grab	Nitrate/Nitrite as N	14797-55-8		1.4	mg/L		0.0625	mg/L			4500-NO3(F)	Clackamas County-Water	AC32849
AC32849	2022/05/10	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32849:202205100920:SR	Grab	Orthophosphate	14265-44-2	<0.025	mg/L		0.025	mg/L				4500-P-F	Clackamas County-Water	AC32849
AC32849	2022/05/10	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32849:202205100920:SR	Grab	Phosphorus	7723-14-0		0.04	mg/L		0.02	mg/L			365.3	ALS Environmental Kelso	AC32849
AC32849	2022/05/10	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32849:202205100920:SR	Grab	Acidity, hydrogen ion (H+)	N/A		7.6	SU		N/A	SU			4500-H+B	Clackamas County-Water	AC32849
AC32849	2022/05/10	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32849:202205100920:SR	Field Meter	Conductivity	N/A		147.3	uS/cm		N/A	uS/cm			2510	Clackamas County-Water	AC32849
AC32849	2022/05/10	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32849:202205100920:SR	Field Meter	Temperature, water	N/A		10.1	deg C		N/A	deg C			2550 B	Clackamas County-Water	AC32849
AC32849	2022/05/10	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32849:202205100920:SR	Field Meter	Total Dissolved Solids	N/A		96	mg/L		N/A	deg C			2540-C	Clackamas County-Water	AC32849
AC32849	2022/05/10	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32849:202205100920:SR	Grab	Total Suspended Solids	N/A	<1.2	mg/L		1.17	mg/L				2540-D	Clackamas County-Water	AC32849
AC32849	2022/05/10	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32849:202205100920:SR	Grab	Total Solids	N/A		101	mg/L		5	mg/L			2540-B	Clackamas County-Water	AC32849
AC32849	2022/05/10	09:20	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32849:202205100920:SR	Grab	Dissolved Oxygen	N/A		10.5	mg/L		0.02	mg/L			4500-O-C	Clackamas County-Water	AC32849
AC32850	2022/05/10	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32850:202205101030:SR	Grab	Copper	7440-50-8		1.26	ug/L		0.1	ug/L			200.8	ALS Environmental Kelso	AC32850
AC32850	2022/05/10	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32850:202205101030:SR	Grab	Lead	7439-92-1		0.142	ug/L		0.01	ug/L			200.8	ALS Environmental Kelso	AC32850
AC32850	2022/05/10	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32850:202205101030:SR	Grab	Zinc	7440-66-6		24.4	ug/L		1	ug/L			200.8	ALS Environmental Kelso	AC32850
AC32850	2022/05/10	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32850:202205101030:SR	Grab	Copper, dissolved	7440-50-8		0.96	ug/L		0.1	ug/L			200.8	ALS Environmental Kelso	AC32850
AC32850	2022/05/10	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32850:202205101030:SR	Grab	Lead, dissolved	7439-92-1		0.029	ug/L		0.02	ug/L			200.8	ALS Environmental Kelso	AC32850
AC32850	2022/05/10	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32850:202205101030:SR	Grab	Zinc, dissolved	7440-66-6		22	ug/L		1	ug/L			200.8	ALS Environmental Kelso	AC32850
AC32850	2022/05/10	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32850:202205101030:SR	Grab	E. Coli	68583-22-2		40	MPN/100ml		1	MPN/100ml			COLILERT/2000	Clackamas County-Water	AC32850
AC32850	2022/05/10	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32850:202205101030:SR	Grab	Total Hardness	N/A		59	mg/l CaCO3		5.3	mg/l CaCO3		2340c	Clackamas County-Water	AC32850	
AC32850	2022/05/10	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32850:202205101030:SR	Grab	Ammonia-nitrogen	N/A	<0.0205	mg/L		0.01	mg/L				4500-NH3 G	Clackamas County-Water	AC32850
AC32850	2022/05/10	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32850:202205101030:SR	Grab	Nitrate/Nitrite as N	14797-55-8		0.82	mg/L		0.0625	mg/L			4500-NO3(F)	Clackamas County-Water	AC32850
AC32850	2022/05/10	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32850:202205101030:SR	Grab	Orthophosphate	14265-44-2	<0.025	mg/L		0.025	mg/L				4500-P-F	Clackamas County-Water	AC32850
AC32850	2022/05/10	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32850:202205101030:SR	Grab	Phosphorus	7723-14-0		0.04	mg/L		0.02	mg/L			365.3	ALS Environmental Kelso	AC32850
AC32850	2022/05/10	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32850:202205101030:SR	Grab	Acidity, hydrogen ion (H+)	N/A		7.6	SU		N/A	SU			4500-H+B	Clackamas County-Water	AC32850
AC32850	2022/05/10	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32850:202205101030:SR	Field Meter	Conductivity	N/A		187.7	uS/cm		N/A	uS/cm			2510	Clackamas County-Water	AC32850
AC32850	2022/05/10	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32850:202205101030:SR	Field Meter	Temperature, water	N/A		11.2	deg C		N/A	deg C			2550 B	Clackamas County-Water	AC32850
AC32850	2022/05/10	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32850:202205101030:SR	Field Meter	Total Dissolved Solids	N/A		100	mg/L		N/A	deg C			2540-C	Clackamas County-Water	AC32850
AC32850	2022/05/10	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32850:202205101030:SR	Grab	Total Suspended Solids	N/A	<1.2	mg/L		1.17	mg/L				2540-D	Clackamas County-Water	AC32850
AC32850	2022/05/10	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32850:202205101030:SR	Grab	Total Solids	N/A		109	mg/L		5	mg/L			2540-B	Clackamas County-Water	AC32850
AC32850	2022/05/10	10:30	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32850:202205101030:SR	Grab	Dissolved Oxygen	N/A		10.6	mg/L		0.02	mg/L			4500-O-C	Clackamas County-Water	AC32850
AC32851	2022/05/10	11:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32851:202205101110:SR	Grab	Copper	7440-50-8		0.98	ug/L		0.1	ug/L			200.8	ALS Environmental Kelso	AC32851
AC32851	2022/05/10	11:10	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32851:202205101110:SR	Grab	Lead	7439-92-1		0.16	ug/L		0.01	ug/L	</				

Monitoring Location ID	Activity Start Date	Activity Start Time	Activity Start/End Time Zone	Activity Media Subdivision Name	Activity Type	Activity ID (Locked)	Sample Collection Method	Characteristic Name	CAS Number	Result Value	Result Unit	Result Measure Qualifier	Detection Limit Value	Detection Limit Unit	Reporting Limit Value	Reporting Limit Unit	Result Analytical Method ID	Laboratory Name	Lab Sample ID
AC32853	2022/05/10	10:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32853-202205101005:SR	Grab	Copper, dissolved	7440-50-8	0.57 ug/L			0.1 ug/L		0.1 ug/L		200.8	ALS Environmental Kelso	AC32853
AC32853	2022/05/10	10:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32853-202205101005:SR	Grab	Lead, dissolved	7439-92-1	0.023 ug/L			0.02 ug/L		0.02 ug/L		200.8	ALS Environmental Kelso	AC32853
AC32853	2022/05/10	10:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32853-202205101005:SR	Grab	Zinc, dissolved	7440-66-6	2.6 ug/L			1 ug/L		1 ug/L		200.8	ALS Environmental Kelso	AC32853
AC32853	2022/05/10	10:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32853-202205101005:SR	Grab	E. Coli	68583-22-2	153 MPN/100ml			1 MPN/100ml		1 MPN/100ml	COLILERT/2000	Clackamas County-Water	AC32853	
AC32853	2022/05/10	10:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32853-202205101005:SR	Grab	Total Hardness	N/A	35 mg/l CaCO3			5.3 mg/l CaCO3		5.3 mg/l CaCO3	2340c	Clackamas County-Water	AC32853	
AC32853	2022/05/10	10:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32853-202205101005:SR	Grab	Ammonia-nitrogen	N/A	0.01 mg/L	<0.0205		0.01 mg/L		0.025 mg/L	4500-NH3 G	Clackamas County-Water	AC32853	
AC32853	2022/05/10	10:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32853-202205101005:SR	Grab	Nitrate/Nitrite as N	14797-55-8	0.86 mg/L			0.0625 mg/L		0.0625 mg/L	4500-NO3(F)	Clackamas County-Water	AC32853	
AC32853	2022/05/10	10:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32853-202205101005:SR	Grab	Orthophosphate	14265-44-2	0.025 mg/L	<0.025		0.025 mg/L		0.025 mg/L	4500-P-F	Clackamas County-Water	AC32853	
AC32853	2022/05/10	10:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32853-202205101005:SR	Grab	Phosphorus	7723-14-0	0.04 mg/L			0.02 mg/L		0.02 mg/L	365.3	ALS Environmental Kelso	AC32853	
AC32853	2022/05/10	10:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32853-202205101005:SR	Grab	Acidity, hydrogen ion (H+)	N/A	7.7 SU			N/A		SU	4500-H+B	Clackamas County-Water	AC32853	
AC32853	2022/05/10	10:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32853-202205101005:SR	Field Meter	Conductivity	N/A	135.4 uS/cm			N/A		uS/cm	2510	Clackamas County-Water	AC32853	
AC32853	2022/05/10	10:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32853-202205101005:SR	Field Meter	Temperature, water	N/A	10 deg C			N/A		deg C	2550 B	Clackamas County-Water	AC32853	
AC32853	2022/05/10	10:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32853-202205101005:SR	Field Meter	Total Dissolved Solids	N/A	63 mg/L			5.6 mg/L		5.6 mg/L	2540-C	Clackamas County-Water	AC32853	
AC32853	2022/05/10	10:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32853-202205101005:SR	Grab	Total Suspended Solids	N/A	2 mg/L			1.17 mg/L		1.17 mg/L	2540-D	Clackamas County-Water	AC32853	
AC32853	2022/05/10	10:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32853-202205101005:SR	Grab	Total Solids	N/A	5 mg/L			5 mg/L		5 mg/L	2540-B	Clackamas County-Water	AC32853	
AC32853	2022/05/10	10:05	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32853-202205101005:SR	Grab	Dissolved Oxygen	N/A	10.7 mg/L			0.02 mg/L		0.02 mg/L	4500-O-C	Clackamas County-Water	AC32853	
AC32854	2022/05/10	09:38	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32854-202205100938:SR	Grab	Copper	7440-50-8	1.46 ug/L			0.1 ug/L		0.1 ug/L	200.8	ALS Environmental Kelso	AC32854	
AC32854	2022/05/10	09:38	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32854-202205100938:SR	Grab	Lead	7439-92-1	0.091 ug/L			0.01 ug/L		0.01 ug/L	200.8	ALS Environmental Kelso	AC32854	
AC32854	2022/05/10	09:38	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32854-202205100938:SR	Grab	Zinc	7440-66-6	31.7 ug/L			1 ug/L		1 ug/L	200.8	ALS Environmental Kelso	AC32854	
AC32854	2022/05/10	09:38	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32854-202205100938:SR	Grab	Copper, dissolved	7440-50-8	1.13 ug/L			0.1 ug/L		0.1 ug/L	200.8	ALS Environmental Kelso	AC32854	
AC32854	2022/05/10	09:38	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32854-202205100938:SR	Grab	Lead, dissolved	7439-92-1	0.02 ug/L	<0.020		0.02 ug/L		0.02 ug/L	200.8	ALS Environmental Kelso	AC32854	
AC32854	2022/05/10	09:38	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32854-202205100938:SR	Grab	Zinc, dissolved	7440-66-6	27.7 ug/L			1 ug/L		1 ug/L	200.8	ALS Environmental Kelso	AC32854	
AC32854	2022/05/10	09:38	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32854-202205100938:SR	Grab	E. Coli	68583-22-2	24 MPN/100ml			1 MPN/100ml		1 MPN/100ml	COLILERT/2000	Clackamas County-Water	AC32854	
AC32854	2022/05/10	09:38	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32854-202205100938:SR	Grab	Total Hardness	N/A	78 mg/l CaCO3			5.3 mg/l CaCO3		5.3 mg/l CaCO3	2340c	Clackamas County-Water	AC32854	
AC32854	2022/05/10	09:38	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32854-202205100938:SR	Grab	Ammonia-nitrogen	N/A	0.01 mg/L	<0.0205		0.01 mg/L		0.025 mg/L	4500-NH3 G	Clackamas County-Water	AC32854	
AC32854	2022/05/10	09:38	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32854-202205100938:SR	Grab	Nitrate/Nitrite as N	14797-55-8	0.23 mg/L			0.0625 mg/L		0.0625 mg/L	4500-NO3(F)	Clackamas County-Water	AC32854	
AC32854	2022/05/10	09:38	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32854-202205100938:SR	Grab	Orthophosphate	14265-44-2	0.025 mg/L	<0.025		0.025 mg/L		0.025 mg/L	4500-P-F	Clackamas County-Water	AC32854	
AC32854	2022/05/10	09:38	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32854-202205100938:SR	Grab	Phosphorus	7723-14-0	0.04 mg/L			0.04 mg/L		0.02 mg/L	365.3	ALS Environmental Kelso	AC32854	
AC32854	2022/05/10	09:38	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32854-202205100938:SR	Grab	Acidity, hydrogen ion (H+)	N/A	7.4 SU			N/A		SU	4500-H+B	Clackamas County-Water	AC32854	
AC32854	2022/05/10	09:38	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32854-202205100938:SR	Field Meter	Conductivity	N/A	209 uS/cm			N/A		uS/cm	2510	Clackamas County-Water	AC32854	
AC32854	2022/05/10	09:38	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32854-202205100938:SR	Field Meter	Temperature, water	N/A	11.5 deg C			N/A		deg C	2550 B	Clackamas County-Water	AC32854	
AC32854	2022/05/10	09:38	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32854-202205100938:SR	Field Meter	Total Dissolved Solids	N/A	115 mg/L			5.6 mg/L		5.6 mg/L	2540-C	Clackamas County-Water	AC32854	
AC32854	2022/05/10	09:38	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32854-202205100938:SR	Grab	Total Suspended Solids	N/A	1.17 mg/L			1.17 mg/L		1.17 mg/L	2540-D	Clackamas County-Water	AC32854	
AC32854	2022/05/10	09:38	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32854-202205100938:SR	Grab	Total Solids	N/A	124 mg/L			5 mg/L		5 mg/L	2540-B	Clackamas County-Water	AC32854	
AC32854	2022/05/10	09:38	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32854-202205100938:SR	Grab	Dissolved Oxygen	N/A	10 mg/L			0.02 mg/L		0.02 mg/L	4500-O-C	Clackamas County-Water	AC32854	
AC32855	2022/05/10	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32855-202205101200:SR	Grab	Copper	7440-50-8	1.46 ug/L			0.1 ug/L		0.1 ug/L	200.8	ALS Environmental Kelso	AC32855	
AC32855	2022/05/10	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32855-202205101200:SR	Grab	Lead	7439-92-1	0.28 ug/L			0.01 ug/L		0.01 ug/L	200.8	ALS Environmental Kelso	AC32855	
AC32855	2022/05/10	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32855-202205101200:SR	Grab	Zinc	7440-66-6	16.4 ug/L			1 ug/L		1 ug/L	200.8	ALS Environmental Kelso	AC32855	
AC32855	2022/05/10	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32855-202205101200:SR	Grab	Copper, dissolved	7440-50-8	0.92 ug/L			0.1 ug/L		0.1 ug/L	200.8	ALS Environmental Kelso	AC32855	
AC32855	2022/05/10	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32855-202205101200:SR	Grab	Lead, dissolved	7439-92-1	0.02 ug/L	<0.020		0.02 ug/L		0.02 ug/L	200.8	ALS Environmental Kelso	AC32855	
AC32855	2022/05/10	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32855-202205101200:SR	Grab	Zinc, dissolved	7440-66-6	10.6 ug/L			1 ug/L		1 ug/L	200.8	ALS Environmental Kelso	AC32855	
AC32855	2022/05/10	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32855-202205101200:SR	Grab	E. Coli	68583-22-2	179 MPN/100ml			1 MPN/100ml		1 MPN/100ml	COLILERT/2000	Clackamas County-Water	AC32855	
AC32855	2022/05/10	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32855-202205101200:SR	Grab	Total Hardness	N/A	65 mg/l CaCO3			5.3 mg/l CaCO3		5.3 mg/l CaCO3	2340c	Clackamas County-Water	AC32855	
AC32855	2022/05/10	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32855-202205101200:SR	Grab	Ammonia-nitrogen	N/A	0.028 mg/L			0.01 mg/L		0.025 mg/L	4500-NH3 G	Clackamas County-Water	AC32855	
AC32855	2022/05/10	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32855-202205101200:SR	Grab	Nitrate/Nitrite as N	14797-55-8	0.88 mg/L			0.0625 mg/L		0.0625 mg/L	4500-NO3(F)	Clackamas County-Water	AC32855	
AC32855	2022/05/10	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32855-202205101200:SR	Grab	Orthophosphate	14265-44-2	0.03 mg/L			0.025 mg/L		0.025 mg/L	4500-P-F	Clackamas County-Water	AC32855	
AC32855	2022/05/10	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32855-202205101200:SR	Grab	Phosphorus	7723-14-0	0.08 mg/L			0.02 mg/L		0.02 mg/L	365.3	ALS Environmental Kelso	AC32855	
AC32855	2022/05/10	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32855-202205101200:SR	Grab	Acidity, hydrogen ion (H+)	N/A	7.4 SU			N/A		SU	4500-H+B	Clackamas County-Water	AC32855	
AC32855	2022/05/10	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32855-202205101200:SR	Field Meter	Conductivity	N/A	170.5 uS/cm			N/A		uS/cm	2510	Clackamas County-Water	AC32855	
AC32855	2022/05/10	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32855-202205101200:SR	Field Meter	Temperature, water	N/A	12.1 deg C			N/A		deg C	2550 B	Clackamas County-Water	AC32855	
AC32855	2022/05/10	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32855-202205101200:SR	Field Meter	Total Dissolved Solids	N/A	105 mg/L			5.6 mg/L		5.6 mg/L	2540-C	Clackamas County-Water	AC32855	
AC32855	2022/05/10	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32855-202205101200:SR	Grab	Total Suspended Solids	N/A	5 mg/L			1.17 mg/L		1.17 mg/L	2540-D	Clackamas County-Water	AC32855	
AC32855	2022/05/10	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32855-202205101200:SR	Grab	Total Solids	N/A	124 mg/L			5 mg/L		5 mg/L	2540-B	Clackamas County-Water	AC32855	
AC32855	2022/05/10	12:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC32855-202205101200:SR	Grab	Dissolved Oxygen	N/A	10 mg/L			0.02 mg/L		0.02 mg/L	4500-O-C	Clackamas County-Water	AC32855	
AC34527	2022/06/15	08:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34527-202206150800:SR	Grab	Copper	7440-50-8	1.12 ug/L			0.1 ug/L		0.1 ug/L	200.8	ALS Environmental Kelso	AC34527	
AC34527	2022/06/15	08:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34527-202206150800:SR	Grab	Lead	7439-92-1	0.234 ug/L			0.01 ug/L		0.01 ug/L	200.8	ALS Environmental Kelso	AC34527	
AC34527	2022/06/15	08:00	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34527-202206150800:SR	Grab	Zinc	7440-66-6	3.7 ug/L			1 ug/L		1 ug/L	200.8	ALS Environmental Kelso	AC34527	
AC34527																			

Monitoring Location ID	Activity Start Date	Activity Start Time	Activity Start/End Time Zone	Activity Media Subdivision Name	Activity Type	Activity ID (Locked)	Sample Collection Method	Characteristic Name	CAS Number	Result Value	Result Unit	Result Measure Qualifier	Detection Limit Value	Detection Limit Unit	Reporting Limit Value	Reporting Limit Unit	Result Analytical Method ID	Laboratory Name	Lab Sample ID
AC34534	2022/06/15	08:51	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34534:202206150851:SR	Grab	Zinc	7440-66-6	24.5	ug/L		1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC34534
AC34534	2022/06/15	08:51	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34534:202206150851:SR	Grab	Copper, dissolved	7440-50-8	1.18	ug/L		0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC34534
AC34534	2022/06/15	08:51	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34534:202206150851:SR	Grab	Lead, dissolved	7439-92-1	<0.020	ug/L		0.02	ug/L	0.02	ug/L	200.8	ALS Environmental Kelso	AC34534
AC34534	2022/06/15	08:51	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34534:202206150851:SR	Grab	Zinc, dissolved	7440-66-6	22.1	ug/L		1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC34534
AC34534	2022/06/15	08:51	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34534:202206150851:SR	Grab	E. Coli	68583-22-2	112	MPN/100ml		1	MPN/100ml	1	MPN/100ml	COLILERT/2000	Clackamas County-Water	AC34534
AC34534	2022/06/15	08:51	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34534:202206150851:SR	Grab	Total Hardness	N/A	81	mg/l CaCO3		5.3	mg/l CaCO3	5.3	mg/l CaCO3	2340c	Clackamas County-Water	AC34534
AC34534	2022/06/15	08:51	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34534:202206150851:SR	Grab	Ammonia-nitrogen	N/A		mg/L	<0.0205	0.01	mg/L	0.025	mg/L	4500-NH3 G	Clackamas County-Water	AC34534
AC34534	2022/06/15	08:51	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34534:202206150851:SR	Grab	Nitrate/Nitrite as N	14797-55-8	0.24	mg/L		0.0625	mg/L	0.0625	mg/L	4500-NO3(F)	Clackamas County-Water	AC34534
AC34534	2022/06/15	08:51	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34534:202206150851:SR	Grab	Orthophosphate	14265-44-2	0.01	mg/L		0.025	mg/L	0.025	mg/L	4500-P-F	Clackamas County-Water	AC34534
AC34534	2022/06/15	08:51	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34534:202206150851:SR	Grab	Phosphorus	7723-14-0	0.05	mg/L		N/A	mg/L	0.02	mg/L	365.3	ALS Environmental Kelso	AC34534
AC34534	2022/06/15	08:51	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34534:202206150851:SR	Grab	Acidity, hydrogen ion (H+)	N/A	7.2	SU		N/A	SU	N/A	SU	4500-H+B	Clackamas County-Water	AC34534
AC34534	2022/06/15	08:51	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34534:202206150851:SR	Field Meter	Conductivity	N/A	202	uS/cm		N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC34534
AC34534	2022/06/15	08:51	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34534:202206150851:SR	Field Meter	Temperature, water	N/A	14.6	deg C		N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC34534
AC34534	2022/06/15	08:51	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34534:202206150851:SR	Field Meter	Total Dissolved Solids	N/A	123	mg/L		5.6	mg/L	5.6	mg/L	2540-C	Clackamas County-Water	AC34534
AC34534	2022/06/15	08:51	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34534:202206150851:SR	Grab	Total Suspended Solids	N/A	1.4	mg/L		1.17	mg/L	1.17	mg/L	2540-D	Clackamas County-Water	AC34534
AC34534	2022/06/15	08:51	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34534:202206150851:SR	Grab	Total Solids	N/A	132	mg/L		5	mg/L	5	mg/L	2540-B	Clackamas County-Water	AC34534
AC34534	2022/06/15	08:51	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34534:202206150851:SR	Grab	Dissolved Oxygen	N/A	8.5	mg/L		0.02	mg/L	0.02	mg/L	4500-O-C	Clackamas County-Water	AC34534
AC34535	2022/06/15	11:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34535:202206151155:SR	Grab	Copper	7440-50-8	1.35	ug/L		0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC34535
AC34535	2022/06/15	11:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34535:202206151155:SR	Grab	Lead	7439-92-1	0.221	ug/L		0.01	ug/L	0.01	ug/L	200.8	ALS Environmental Kelso	AC34535
AC34535	2022/06/15	11:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34535:202206151155:SR	Grab	Zinc	7440-66-6	10.2	ug/L		1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC34535
AC34535	2022/06/15	11:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34535:202206151155:SR	Grab	Copper, dissolved	7440-50-8	0.97	ug/L		0.1	ug/L	0.1	ug/L	200.8	ALS Environmental Kelso	AC34535
AC34535	2022/06/15	11:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34535:202206151155:SR	Grab	Lead, dissolved	7439-92-1	<0.020	ug/L		0.02	ug/L	0.02	ug/L	200.8	ALS Environmental Kelso	AC34535
AC34535	2022/06/15	11:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34535:202206151155:SR	Grab	Zinc, dissolved	7440-66-6	6.3	ug/L		1	ug/L	1	ug/L	200.8	ALS Environmental Kelso	AC34535
AC34535	2022/06/15	11:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34535:202206151155:SR	Grab	E. Coli	68583-22-2	179	MPN/100ml		1	MPN/100ml	1	MPN/100ml	COLILERT/2000	Clackamas County-Water	AC34535
AC34535	2022/06/15	11:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34535:202206151155:SR	Grab	Total Hardness	N/A	72	mg/l CaCO3		5.3	mg/l CaCO3	5.3	mg/l CaCO3	2340c	Clackamas County-Water	AC34535
AC34535	2022/06/15	11:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34535:202206151155:SR	Grab	Ammonia-nitrogen	N/A		mg/L	<0.0205	0.01	mg/L	0.025	mg/L	4500-NH3 G	Clackamas County-Water	AC34535
AC34535	2022/06/15	11:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34535:202206151155:SR	Grab	Nitrate/Nitrite as N	14797-55-8	0.85	mg/L		0.0625	mg/L	0.0625	mg/L	4500-NO3(F)	Clackamas County-Water	AC34535
AC34535	2022/06/15	11:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34535:202206151155:SR	Grab	Orthophosphate	14265-44-2	0.03	mg/L		0.025	mg/L	0.025	mg/L	4500-P-F	Clackamas County-Water	AC34535
AC34535	2022/06/15	11:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34535:202206151155:SR	Grab	Phosphorus	7723-14-0	0.1	mg/L		N/A	mg/L	0.02	mg/L	365.3	ALS Environmental Kelso	AC34535
AC34535	2022/06/15	11:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34535:202206151155:SR	Grab	Acidity, hydrogen ion (H+)	N/A	7.5	SU		N/A	SU	N/A	SU	4500-H+B	Clackamas County-Water	AC34535
AC34535	2022/06/15	11:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34535:202206151155:SR	Field Meter	Conductivity	N/A	181.8	uS/cm		N/A	uS/cm	N/A	uS/cm	2510	Clackamas County-Water	AC34535
AC34535	2022/06/15	11:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34535:202206151155:SR	Field Meter	Temperature, water	N/A	14.5	deg C		N/A	deg C	N/A	deg C	2550 B	Clackamas County-Water	AC34535
AC34535	2022/06/15	11:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34535:202206151155:SR	Field Meter	Total Dissolved Solids	N/A	129	mg/L		5.6	mg/L	5.6	mg/L	2540-C	Clackamas County-Water	AC34535
AC34535	2022/06/15	11:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34535:202206151155:SR	Grab	Total Suspended Solids	N/A	4	mg/L		1.17	mg/L	1.17	mg/L	2540-D	Clackamas County-Water	AC34535
AC34535	2022/06/15	11:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34535:202206151155:SR	Grab	Total Solids	N/A	141	mg/L		5	mg/L	5	mg/L	2540-B	Clackamas County-Water	AC34535
AC34535	2022/06/15	11:55	PDT (~Mar-Oct)	Surface Water	Sample-Routine	AC34535:202206151155:SR	Grab	Dissolved Oxygen	N/A	9.4	mg/L		0.02	mg/L	0.02	mg/L	4500-O-C	Clackamas County-Water	AC34535