Number	Permit Section	Question
1	S5.A	Attach a copy of any annexations, incorporations or boundary changes resulting in an increase or decrease in the Permittee's geographic area of permit coverage during the reporting period per S9.D.6. **Not Applicable**
2	S5.A	Attach updated annual Stormwater Management Program Plan (SWMP Plan). (S5.A.2) **Draft Attached**
3	S5.A	Implemented an ongoing program to gather, track, and maintain information per S5.A.3, including costs or estimated costs of implementing the SWMP. **Yes**
4	S5.A.5.b	Coordinated among departments within the jurisdiction to eliminate barriers to permit compliance. (S5.A.5.b) **Yes**
5	S5.C.1.	Have you convened an interdisciplinary team to inform and assist in the development, progress, and influence of the comprehensive stormwater planning program? (S.5.c.1). August 1, 2020 **Yes**
14	S5.C.1.b	Did you submit a report as described in S5.C.1.b.i(b)? (Required to submit no later than January 1, 2023) **Yes**
15	S5.C.1.c	Continue to design and implement local development-related codes, rules, standards, or other enforceable documents to minimize impervious surfaces, native vegetation loss, and stormwater runoff, where feasible? See S5.C.1.c.i. (Required annually) **Yes**
16	S5.C.1.c	From the assessment described in S5.C.1.c.i(a), did you identify any administrative or regulatory barriers to implementation of LID Principles or LID BMPs? (Required annually) **No**
20	S5.C.2	Did you choose to adopt one or more elements of a regional program? (S5.C.2) **Yes**
20a	S5.C.2	If yes, list the elements, and the regional program. **All 2023 Workplan elements of Regional Environmental Education Partnership (REEP) with Thurston County, Lacey and Tumwater. Participated (contributed $1.000) to Puget Sound Starts Here Month digital media campaign – Don't Wait to Inflate. All elements of the Regional Dumpster Lid Campaign. Co-Facilitated the Business Inspection Group (BIG) meetings with Laurie Larson-Pugh. STORM Steering Committee Member -Co-facilitated STORM Quarterly Meetings and STORM Annual Symposium.**

Number	Permit Section	Question
21	S5.C.2	Attach a description of general awareness efforts conducted, including your target audiences and subject areas, per S5.C.2.a.i. **Draft Attached**
24	S5.C.2	Began implementing strategy outlined in S.5.C.2.a.ii(c) (S5.C.2.a.ii(d) – Required by April 1, 2021) **Yes**
25	S5.C.2	Attach the report developed in accordance with S5.C.2.a.ii(e), which evaluated the changes in understanding and adoption of targeted behaviors resulting from the implementation of the strategy and any planned or recommended changes to the program in order to be more effective. (Required no later March 31, 2024) **In Development**
26	S5.C.2	Promoted stewardship opportunities (or partnered with others) to encourage resident participation in activities such as those described in S5.C.2.a.iii. **Yes**
26a	S5.C.2	Attach a list of stewardship opportunities provided. **Draft Attached**
27	S5.C.3.	Describe in Comments field the opportunities created for the public, including overburdened communities, to participate in the decision-making processes involving the development, implementation, and updates of the Permittee's SWMP and the SMAP. (S5.C.3.a) **The Stormwater Management Program Plan (SWMP) and National Pollutant Discharge Elimination System (NPDES) annual report are discussed, reviewed, and amended through a formal public review process that includes the Utility Advisory Committee (UAC) Work Plan and meetings. City staff has been participating in Environmental Justice meetings organized by Washington Storm Center in trying to determine 1) how to better meet permit compliance and identification of tools for jurisdictions, and 2) how to better inform the permit writing process through discussions with other stakeholders including Tribes, NGO's, environmental groups, and other agencies. Staff has also been communicating with the Diversity and Equity Committee Coordinator for ideas and feedback in our efforts to develop stormwater programs, especially for the development of the Stormwater Management Action Plan (SMAP). We have also worked closely with regional partners to develop an equity index to help identify overburdened communities throughout the City and consider outreach approaches.**
28	S5.C.3.	Posted the updated SWMP Plan and latest annual report on your website no later than May 31. (S5.C.3.b) **Yes**

28a	S5.C.3.	List the website address in Comments field. **https://www.olympiawa.gov/services/water_resources/water_plans,_regulations___reports/index.php**
29	S5.C.4.	Maintained a map of the MS4 including the requirements listed in S5.C.4.a.i-vii? **Yes**
30	S5.C.4.	Started mapping outfall size and material in accordance with S5.C.4.b.i? (Required no later than January 1, 2020) **Yes**
30a	S5.C.4.	Attach a spreadsheet that lists the known outfalls' size and material(s). **Draft Attached**
31	S5.C.4.	Completed mapping connections to private storm sewers in accordance with S5.C.4.b.ii? (Required no later than August 1, 2023) **Yes**
33	S5.C.5	Informed public employees, businesses, and the general public of hazards associated with illicit discharges and improper disposal of waste? (S5.C.5.b) **Yes**
33a	S5.C.5	Actions taken to inform public employees, businesses, and the general public of hazards associated with illicit discharges and improper disposal of waste. **Promoted Only Rain Down The Drain, the impacts of illicit discharges and improper disposal of hazardous wastes in the City utility bill insert, Stream Team Newsletter and emails, businesses participating in the Dumpster Lid Campaign, in the Water Resources Stewardship Calendar, staff training, City Hall monitors, Water Resources E-news, and during source control inspections.**
34	S5.C.5	Implemented an ordinance or other regulatory mechanism to effectively prohibit non-stormwater, illicit discharges as described in S5.C.5.c. **Yes**
35	S5.C.5	Implemented procedures for conducting illicit discharge investigations in accordance with S5.C.5.d.i. **Yes**
35a	S5.C.5	Cite field screening methodology in Comments field. **The methodology is pursuant to the City of Olympia Illicit Discharge Detection and Elimination (IDDE) Program Plan and the Illicit Connection/Illicit Discharge Field Screening and Source Tracing Guidance Manual - May 2020 Revision (Herrera)**
36	S5.C.5	Percentage of MS4 coverage area screened in the reporting year per S5.C.5.d.i. (Required to screen 12% on average each year.) **38**

36a	S5.C.5	Cite field screening techniques used to determine percent of MS4 screened. **Pipes = CCTV using GraniteNet software from CUES, Inc (Length televised and pipeline assessment certification program (PACP) rated). Catch Basins = ESRI's Field Maps App (vactor cleaned and condition reported). Maintenance Holes = ESRI's Field Maps App (condition reported and vactor cleaned if necessary) All percentages are derived from the total inspection count/total asset count.**
37	S5.C.5	Percentage of total MS4 screened from permit effective date through the end of the reporting year. (S5.C.5.d.i.) **94**
38	S5.C.5	Describe how you publicized a hotline telephone number for public reporting of spills and other illicit discharges in the Comments field. (S5.C.5.d.ii) **Olympia's Spills Hotline was publicized in the utility bill insert (Five Things), Stream Team Newsletter, social media and emails, businesses participating in the Dumpster Lid Campaign, Water Resources Stewardship Calendar, as one of the 4 BMPS promoted through the Puget Sound Starts Here Month coaster campaign, and the Water Resources E-news.**
39	S5.C.5	Implemented an ongoing illicit discharge training program for all municipal field staff per S5.C.5.d.iii. **Yes**
40	S5.C.5	Implemented an ongoing program to characterize, trace, and eliminate illicit discharges into the MS4 per S5.C.5.e. **Yes**
41	S5.C.5	Municipal illicit discharge detection staff are trained to conduct illicit discharge detection and elimination activities as described in S5.C.5.f. **Yes**
42	S5.C.5	Attach a report with data describing the actions taken to characterize, trace, and eliminate each illicit discharge reported to, or investigated by, the Permittee as described in S5.C.5.g. The submittal must include all of the applicable information and must follow the instructions, timelines, and format described in Appendix 12. **XML_F52E2B61-18A1-11d1-B105-00_42_01122024131346**
43	S5.C.6.	Implemented an ordinance or other enforceable mechanism to effectively address runoff from new development, redevelopment, and construction sites per the requirements of S5.C.6.b.i-iii. **Yes**
45	S5.C.6.	Number of adjustments granted to the minimum requirements in Appendix 1. (S5.C.6.b.i. and Section 5 of Appendix 1) **0**

46	S5.C.6.	Number of exceptions/variances granted to the minimum requirements in Appendix 1. (S5.C.6.b.i., and Section 6 of Appendix 1) **0**
47	S5.C.6.	Reviewed Stormwater Site Plans for all proposed development activities that meet the thresholds adopted pursuant to S5.C.6.b.i. (S5.C.6.c.i) **Yes**
47a	S5.C.6.	Number of site plans reviewed during the reporting period. **318**
48	S5.C.6.	Inspected, prior to clearing and construction, permitted development sites per S5.C.6.c.ii, that have a high potential for sediment transport as determined through plan review based on definitions and requirements in Appendix 7 – Determining Construction Site Sediment Damage Potential? **No**
48a	S5.C.6.	If no, inspected, prior to clearing and construction, all construction sites meeting the minimum thresholds (S5.C.6.c.ii)? **Yes**
49	S5.C.6.	Inspected permitted development sites during construction to verify proper installation and maintenance of required erosion and sediment controls per S5.C.6.c.iii. **Yes**
49a	S5.C.6.	Number of construction sites inspected per S5.C.6.c.iii. **181**
49b	S5.C.6.	Inspected stormwater treatment and flow control BMPs/facilities and catch basins in new residential developments every 6 months per S5.C.6.c.iv? **Yes**
50	S5.C.6.	Inspected all permitted development sites upon completion of construction and prior to final approval or occupancy to ensure proper installation of permanent stormwater facilities. (S5.C.6.c.v) **Yes**
51	S5.C.6.	Verified a maintenance plan is completed and responsibility for maintenance is assigned for projects prior to final approval and occupancy being granted. (S5.C.6.c.v) **Yes**
52	S5.C.6.	Number of enforcement actions taken during the reporting period (based on construction phase inspections at new development and redevelopment projects). (S5.C.6.c.ii-iv)(S5.C.7.c.viii) **114**

53	S5.C.6.	Achieved at least 80% of scheduled construction-related inspections. (S5.C.6.c.vi) **Yes**
54	S5.C.6.	Made Ecology's Notice of Intent for Construction Activity and Notice of Intent for Industrial Activity available to representatives of proposed new development and redevelopment? (S5.C.6.d) **Yes**
55	S5.C.6.	All staff whose primary job duties are implementing the program to control stormwater runoff from new development, redevelopment, and construction sites including permitting, plan review, construction site inspections, and enforcement are trained to conduct these activities? (S5.C.6.e) **Yes**
56	S5.C.7.	Implemented maintenance standards that are as protective, or more protective, of facility function than those specified in the Stormwater Management Manual for Western Washington, or a Phase I program approved by Ecology per S5.C.7.a.? **Yes**
58	S5.C.7.	Applied a maintenance standard for a facility or facilities which do not have maintenance standards specified in the Stormwater Management Manual for Western Washington? If so, note in the Comments field what kinds of facilities are covered by this alternative standard. (S5.C.7.a) **No**
59	S5.C.7.	Verified that maintenance was performed per the schedule in S5.C.7.a.ii when an inspection identified an exceedance of the maintenance standard. **Yes**
59a	S5.C.7.	Attach documentation of maintenance time frame exceedances that were beyond the Permittee's control. **Not Applicable**
60	S5.C.7.	Implemented an ordinance or other enforceable mechanisms to verify long-term operation and maintenance of stormwater treatment and flow control BMPs/facilities regulated by the permittee per (S5.C.7.b.i (a))? **Yes**
61	S5.C.7.	Annually inspected stormwater treatment and flow control BMPs/facilities regulated by the Permittee per S5.C.7.b.i(b) **Yes**
61a	S5.C.7.	If using reduced inspection frequency for the first time during this permit cycle, attach documentation per S5.C.7.b.i (b) **Not Applicable**

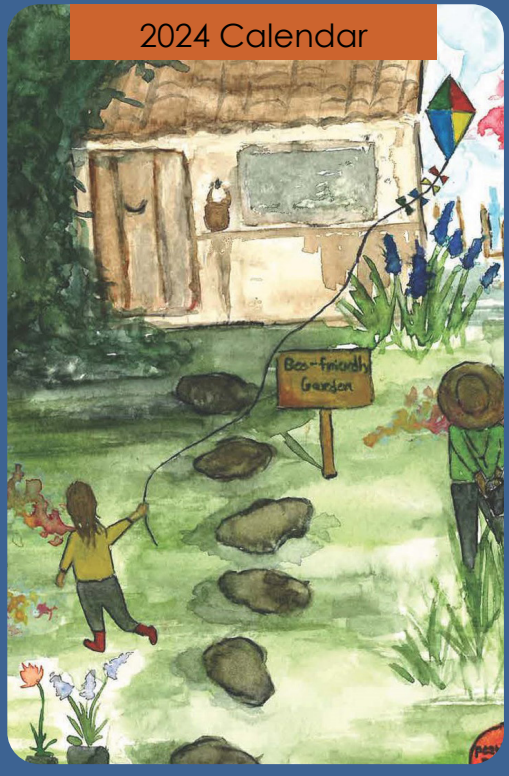
62	S5.C.7.	Achieved at least 80% of scheduled inspections to verify adequate long-term O&M. (S5.C.7.b.ii) **Yes**
63	S5.C.7.	Annually inspected all municipally owned or operated permanent stormwater treatment and flow control BMPs/facilities. (S5.C.7.c.i) **Yes**
63a	S5.C.7.	Number of known municipally owned or operated stormwater treatment and flow control BMPs/facilities. (S5.C.7.c.i) **438**
63b	S5.C.7.	Number of facilities inspected during the reporting period. **272**
63c	S5.C.7.	Number of facilities for which maintenance was performed during the reporting period. **124**
64	S5.C.7.	If using reduced inspection frequency for the first time during this permit cycle, attach documentation per S5.C.7.c.i. **Not Applicable**
65	S5.C.7.	Conducted spot checks and inspections (if necessary) of potentially damaged stormwater facilities after major storms as per S5.C.7.c.ii. **Yes**
66	S5.C.7.	Inspected municipally owned or operated catch basins and inlets every two years or used an alternative approach? Cleaned as needed? (S.5.C.7.c.iii) **Yes**
66a	S5.C.7.	Number of known catch basins? **7633**
66b	S5.C.7.	Number of catch basins inspected during the reporting period? **4580**
66c	S5.C.7.	Number of catch basins cleaned during the reporting period? **4137**
67	S5.C.7.	Attach documentation of alternative catch basin cleaning approach, if used. (S5.C.7.c.iii.(a)-(c)) **Not Applicable**

68	S5.C.7.	Implemented practices, policies and procedures to reduce stormwater impacts associated with runoff from all lands owned or maintained by the Permittee, and road maintenance activities under the functional control of the Permittee. (S5.C.7.d) **Yes**
70	S5.C.7.	Implemented an ongoing training program for Permittee employees whose primary construction, operations or maintenance job functions may impact stormwater quality. (S5.C.7.e) **Yes**
71	S5.C.7.	Implemented a Stormwater Pollution Prevention Plan (SWPPP) for all heavy equipment maintenance or storage yards, and material storage facilities owned or operated by the Permittee in areas subject to this Permit that are not required to have coverage under an NPDES permit that covers stormwater discharges associated with the activity. (S5.C.7.f) **Yes**
74	S5.C.8	Established an inventory per S5.C.8.b.ii. (Required by August 1, 2022.) **Yes**
74a	S5.C.8	Number of total sites identified for the inventory. **675**
75	S5.C.8	Implemented an inspection program S5.C.8.b.iii (Required by January 1, 2023). **Yes**
76	S5.C.8	Implemented a progressive enforcement policy per S5.C.8.b.iv (Required by January 1, 2023). **Yes**
77	S5.C.8	Attach a summary of actions taken to implement the source control program per S5.C.8.b.iii and S5.C.8.b.iv. **Draft Attached**
78	S5.C.8	Attach a list of inspections, per S5.C.8.b.iii, organized by the business category, noting the amount of times each business was inspected, and if enforcement actions were taken. **Draft Attached**
79	S5.C.8	Implemented an ongoing source control training program per S5.C.8.b.v? **Yes**
80	S7	Complied with the Total Maximum Daily Load (TMDL)-specific requirements identified in Appendix 2. (S7.A) **Yes**

81	S7	For TMDLs listed in Appendix 2: Attach a summary of relevant SWMP and Appendix 2 activities to address the applicable TMDL parameter(s). (S7.A) **Draft Attached**
82	S8	Submitted payment for cost-sharing for Stormwater Action Monitoring (SAM) status and trends monitoring no later than December 1, 2019 (S8.A.1); and no later than August 15 of each subsequent year? (S8.A.2.a.) **Yes**
84	S8	Submitted payment for cost-sharing for SAM effectiveness and source identification studies no later than December 1, 2019 (S8.B.1); and no later than August 15 of each subsequent year (S8.B.2.a or S8.B.2.c)? **Yes**
87	S8	If conducting stormwater discharge monitoring in accordance with S8.C.1, attach a data and analysis report per S8.C.1. and Appendix 9. (Due annually beginning March 31, 2021.) **Not Applicable**
88	G3	Notified Ecology in accordance with G3 of any discharge into or from the Permittees MS4 which could constitute a threat to human health, welfare or the environment. (G3) **Yes**
89	G3	Took appropriate action to correct or minimize the threat to human health, welfare, and/or the environment per G3.A. **Yes**
90	Compliance with standards	Notified Ecology within 30 days of becoming aware that a discharge from the Permittee's MS4 caused or contributed to a known or likely violation of water quality standards in the receiving water. (S4.F.1) **Not Applicable**
91	Compliance with standards	If requested, submitted an Adaptive Management Response report in accordance with S4.F.3.a. **Not Applicable**
92	Compliance with standards	Attach a summary of the status of implementation of any actions taken pursuant to S4.F.3 and the status of any monitoring, assessment, or evaluation efforts conducted during the reporting period. (S4.F.3.d) **Not Applicable**
93	G20	Notified Ecology of the failure to comply with the permit terms and conditions within 30 days of becoming aware of the non-compliance. (G20) **Not Applicable**

94	G20	Number of non-compliance notifications (G20) provided in reporting year. List permit conditions described in non-compliance notification(s) in Comments field. **0**

City of Olympia
2024 Stormwater Management Program Plan



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Introduction

Purpose of the Stormwater Management Program Plan (SWMP Plan)

All stormwater runoff flowing through Olympia's catch basins, pipes, ponds, and ditches is managed according to the requirements of a permit first issued by the Washington State Department of Ecology (Ecology) in January of 2007. The *Western Washington Phase II Municipal Stormwater Permit*; *National Pollutant Discharge Elimination System* (NPDES) *and State Waste Discharge General Permit for discharges from Small Municipal Separate Storm Sewers in Western Washington* (Permit) requires the City to take actions such as educate the public and encourage non-polluting behaviors, respond to spills, look for illegal dumping and cross-connections, enforce erosion and sediment control at construction sites, and use best practices for land management and stormwater system maintenance.

This Stormwater Management Program Plan (SWMP Plan) is designed to reduce the discharge of pollutants from Olympia's regulated MS4 (municipal separate storm sewer system) to the maximum extent practicable, meet state AKART (all known and reasonable technologies) requirements, and protect water quality and beneficial uses of local receiving waters.

Implementation Timing

The City of Olympia currently operates under the 2019-2024 NPDES Permit. The permit was re-issued July 1, 2019 and became effective August 1, 2019. This is the third generation of the NPDES Permit. The next five-year permit cycle is 2024-2029.

A Gantt Chart was created to help illustrate program task requirements and current schedule status. The Gantt Chart can be viewed at the end of this document in Appendix A.

Olympia Storm and Surface Water Utility – Other Activities

The Utility maintains over 157 miles of underground drainage pipe, over 7,700 storm drains, and 433 stormwater treatment and flow control BMPs/facilities which carry stormwater runoff from roads and rooftops to our streams and Budd Inlet. We work on many levels to prevent flooding and protect water quality and aquatic habitat. This involves working closely with residents, businesses, and other government agencies to maintain a safe and healthy environment for people and wildlife.

Relationship to Other Plans

The Storm and Surface Water Utility is guided by the 2018 Storm and Surface Water Plan (Plan). The Plan was adopted on April 10, 2018 by the Olympia City Council. This Plan aligns with Olympia's Comprehensive Plan and focuses on the programs and policies of the Utility. This SWMP Plan represents a subset of the activities performed and is coordinated by the Utility across the City organization specifically governed by the Permit.

The Permit as Document Map

This SWMP Plan follows section S5 of the Permit and is required to be updated each year. The tables below identify permit requirements on the left column with a description about how the City of Olympia is implementing those requirements on the right column. Permit requirements are shared between multiple lines of business at the City as part of ongoing programs.

Stormwater Planning (S5.C1.)

Table 1 summarizes the requirements of Permit Special Condition S5.C1 and outlines the corresponding activities.

Table 1. Stormwater Planning

Permit Requirements	Planned and Ongoing Activities
Each Permittee shall implement a Stormwater Planning program to inform and assist in the development of policies and strategies as water quality management tools to protect receiving waters. *a. By August 1, 2020, each Permittee shall convene an inter-disciplinary team to inform and assist in the development, progress, and influence of this program.*	City of Olympia has created *an interdisciplinary team* which includes staff from Parks, Arts and Recreation, Community Planning and Development, and Public Works departments. These departments worked together to develop a Charter which was completed in September 2020 to meet the NPDES stormwater planning requirements. This team continues to meet intermittently as needed for planning discussion items that arise. And has been tapped for discussion during the development of the Stormwater Management Action Plan (SMAP). On October 5, 2023, 40 staff associated with the interdisciplinary team as well as some field staff attended a Stormwater Workshop. The purpose of this workshop was to reinforce the significance of water quality protection among staff, provide essential training, acknowledge commendable successes, and gather valuable feedback through a survey. The keynote address included messages from Squaxin Island Tribe Vice Chair Jaimie Cruz and City Councilmember Dani Madrone.
b. Coordination with long-range plan updates. *i. Each Permittee shall describe how stormwater management needs and protection / improvement of receiving water health are (or are not) informing the planning update processes and influencing policies and implementation strategies in their jurisdiction. The reporting shall describe the water quality and watershed protection policies, strategies, codes, and other measures intended to protect and improve local receiving water health through planning or taking into account stormwater management needs or limitations.*	Multiple meetings and discussions by the interdisciplinary team have occurred. This team has been working to answer permit-related planning questions by reviewing existing long-range plans and are developing ideas on incorporating stormwater management goals into future planning processes and documents. Team members reviewed existing long-range plans to determine how stormwater management needs and protection and/or improvement of receiving water health are (or are not) informing the planning update processes and influencing policies and implementation strategies in Olympia. Plans reviewed by this team included the following: • Comprehensive Plan (adopted December 16, 2014, and current through an amendment passed November 2021) • Parks, Arts & Recreation Plan (2022-2028) • Transportation Master Plan (2021) • Wastewater Management Plan (2020) • Water System Plan (Draft 2022) This plan has no reference of stormwater impacts on water quality. • Waste Resources Management Plan (Draft 2023) • Adopted Capital Facilities Plan (2023-2028) • *Storm and Surface Water Plan* (2018) This plan sets strategic goals for the Storm and Surface Water Utility. The details are not provided in the tables below. View complete document here: *https://www.olympiawa.gov/services/water_resources/water_plans,_regulations___reports/storm___surface_water_plan.php* As required by the permit, a review and response to Stormwater Planning Annual Report questions was completed by March 31, 2021 and again by January 1, 2023.

c. Low impact development code-related requirements.	Olympia continues to require LID Principles and LID BMPs when updating, revising, and developing new municipal codes, rules, standards, or other enforceable documents, as needed. LID regulations were passed by Olympia's City Council on July 12, 2016. LID is designed to minimize impervious surfaces, native vegetation loss, and stormwater runoff in all types of development situations, where feasible is the preferred and commonly-used approach and method to site development. Annually, Olympia will assess and document any newly identified administrative or regulatory barriers to implementation of LID Principles or LID BMPs.
d. Stormwater Management Action Planning	Olympia has assessed existing information related to our local receiving waters and contributing area conditions to identify which receiving waters will most likely benefit from stormwater management planning. Based on this analysis a catchment within the Indian Creek basin was selected for development of a full Stormwater Management Action Plan.
Receiving Water Assessment *Due no later than March 31, 2022*	The assessment includes a watershed inventory with a brief description of the relative existing conditions of the receiving waters and the contributing areas. The inventory includes each receiving water name, its total watershed area, the percent of the total watershed area that is in Olympia's jurisdiction, and findings of stormwater management influence assessment for each basin. An updated map of the delineated basins is also included.
Receiving Water Prioritization *Due no later than June 30, 2022*	Olympia developed and implemented a prioritization method and process to determine which receiving waters will receive the most benefit from implementation of stormwater facility retrofits, tailored implementation of SWMP actions, and other land/development management actions. In addition to findings from the receiving waters assessment, prioritization was informed by a community-based process that includes input from other City departments, local natural resources and planning organizations, local tribes, the City of Olympia Utility Advisory Committee, and the public.
Stormwater Management Action Plan (SMAP) *Due no later than March 31, 2023*	Olympia's SMAP for Indian Creek catchment area identifies: a) A description of the stormwater facility retrofits needed for the area, including the BMP types and preferred locations. b) Land management/development strategies and/or actions identified for water quality management. c) Targeted, enhanced, or customized implementation of stormwater management actions related to permit sections within S5, including: • IDDE field screening, • Prioritization of Source Control inspections, • O&M inspections or enhanced maintenance, or • Public Education and Outreach behavior change programs Identified actions support other specifically identified stormwater management strategies and actions for the basin overall, or for the catchment area.

	d) If applicable, identification of changes needed to local long-range plans, to address SMAP priorities. e) A proposed implementation schedule and budget sources for: • Short-term actions (i.e., actions to be accomplished within six years), and • Long-term actions (i.e., actions to be accomplished within seven to 20 years). A process and schedule to provide future assessment and feedback to improve the planning process and implementation of procedures or projects.

Public Education and Outreach (S5.C2.)

Table 2 summarizes the requirements of Permit Special Condition S5.C2. and outlines the corresponding activities.

Table 2. Public Education and Outreach

Permit Requirements	Planned and Ongoing Activities
Include an education and outreach program designed to: • *Build general awareness about methods to address and reduce stormwater runoff.* • *Effect behavior change to reduce or eliminate behaviors and practices that cause or contribute to adverse stormwater impacts.* • *Create stewardship opportunities that encourages community engagement in addressing the impacts from stormwater runoff.*	The Olympia Storm and Surface Water Utility has a robust public outreach and education program. The Utility employs two dedicated full-time staff focused on developing and implementing general awareness, stewardship, and pollution prevention programs. Place-based programs and activities are designed to increase understanding and connection to the aquatic habitats and receiving waters that the Utility works to protect. These programs emphasize the effects of stormwater runoff on people, habitats, and wildlife that rely on healthy water sources. They include a range of pollution prevention engagement initiatives addressing multiple audiences. These programs offer information and resources to promote best management practices and stewardship actions that protect water quality.
The minimum performance measures: *a. Each Permittee shall implement an education and outreach program for the area served by the MS4.* *i.* ***General awareness.*** *To build general awareness, Permittees shall annually select at a minimum one target audience and one subject area*	Each year Olympia engages in the Puget Sound Starts Here Month campaign. Olympia participated in and contributed financially to the regional Don't Wait to Inflate digital media campaign. The 2023 campaign focused on reducing tire wear particles and 6PPD-Q. Additionally, staff distributed 2,500 BMP coffee sleeves to 17 Olympia bars and restaurants. . . Olympia holds an ILA with South Sound Green to deliver a high-quality K-12 environmental education program. The program focusses on water quality testing and analysis and near shore habitat ecosystems. Additionally, Olympia sponsors the *Water Resources Stewardship Through Art calendar* contest for middle-school students. In 2023, Olympia piloted Stormwater Week at Washington Middle School reaching 230 6th grade students. The pilot was extremely successful. Staff have plans to expand the curriculum to additional middle schools in 2024., In 2023, Olympia and REEP partners deepened their collaboration with CIELO, a community support organization dedicated to promoting community, self-sufficiency, and leadership among Latinos in the South Puget Sound region. Staff participated in three Cielo-sponsored events. Additionally, the partners collaborated with CIELO staff to co-create three events aimed at educating attendees about aquatic habitats and species, as well as actions to protect them. For each of these events, transportation, food, and translation services were provided to increase participation and accessibility to the Latin-X community.
a) Target Audiences: General public (including overburdened communities, or school age children) or businesses (including home-based and mobile businesses) *b) Target Audiences: Engineers, contractors, developers, or land use planners*	A newsletter called "Five Things" is inserted into all utility bills provided to utility customers. This insert provides education and outreach for all our programs. Illicit discharges and improper disposal of waste and stormwater pollution prevention practices are specifically addressed. Additional information is provided to city staff during onboarding, during trainings, and with signage in appropriate work locations. Staff continued work with regional partners to prioritize diversity, equity, and inclusion in our outreach and engagement programs. In the fall, partners implemented a one-day facilitated equity retreat to begin the development of a five-year equity plan. In 2023, outreach materials covering a range of topics were translated

c) Permittees shall provide subject area information to target audience on an ongoing or strategic schedule.	into Spanish. This effort included updating and translating the Temporary Erosion and Sediment Control (TESC) BMP Guidance flip book for contractors and developers into Spanish.
*ii. **Behavior change**. To affect behavior change, permittees shall select, at a minimum, one target audience and one BMP.* • *Target Audiences: Residents, landscapers, property manages/owners, developers, school age children, or businesses (including home-based or mobile businesses)* • *By February 1, 2021, each Permittee shall follow social marketing practices and methods, similar to community-based social marketing, and develop a campaign that is tailored to the community, including development of an evaluation plan.* • *Develop a strategy and schedule for a new target audience and BMP behavior change campaign. No later than April 1, 2021.* • *By March 31, 2024, evaluate and report on the changes in understanding and adoption of targeted behaviors resulting from the implementation strategy and any planned or recommended changes to the campaign in order to be more effective.*	To meet permit requirements, the City of Olympia partnered on a Regional *Dumpster Lid Social Marketing Campaign*. The regional group working on the dumpster lid campaign became known as the Dumpster Outreach Group (DOG). Internally, the team consisted of Olympia Water Resources and Waste Resources staff. The campaign is focused on commercial businesses using dumpsters. Elements of the program include the importance of 'Why' keeping dumpster lids closed is a water quality issue, as well as dumpster area best management practices, to keep pollutants out of stormwater. During 2022 staff sent outreach letters to 81 businesses with observed open lids. Additionally, staff conducted 60 on-site visits with business owners, managers, and staff. Site visits included delivering BMP outreach materials, placing stickers and signs in dumpster areas and placing window clings for businesses pledging to keep dumpster lids closed. In 2023, staff continue to move forward with this body of work. Dumpster lid data collection took place from July 2023 through January 2024. The data collected includes information on closed lids. A final evaluation report will be completed by March 31, 2024. This report will document changes in understanding and adoption of behaviors related to closed lids and recommend changes to the campaign to increase its effectiveness.
*iii. **Stewardship.** Each Permittee shall provide and advertise stewardship opportunities and/or partner with existing organizations (including non-permittees) to encourage residents to participate in activities or events planned and organized within the community.*	The City of Olympia partners with Thurston County and the Cities of Tumwater and Lacey in a Regional Environmental Education Partnership (REEP). The partnership has existed for over 30 years and is known as Stream Team of Thurston County. The partnership is formally acknowledged in an Interlocal Agreement with an annual work plan and budget. The partnership continues to provide exceptional outreach to residents of Thurston County. A quarterly newsletter, monthly emails, social media posts and website advertise stewardship events and activities and actions for clean water sponsored by the city and partners. *Home - Stream Team* Water Resources also continues to partner with Parks, Arts & Recreation on stewardship activities through vegetation, habitat, and restoration work such as volunteer invasive species removal and tree planting activities at city-managed greenspaces. In 2021, the City of Olympia became a certified Bee City USA affiliate, committed to reversing the trend in declining bee pollinator species by decreasing the amount of pesticides used, creating opportunities for pollinator habitat, and providing educational resources for the public. *Bee City (olympiawa.gov)*

Public Involvement and Participation (S5.C3.)

Table 3 summarizes the requirements of Permit Special Condition S5.C3. and outlines the corresponding activities.

Table 3. Public Involvement and Participation

Permit Requirements	Planned and Ongoing Activities
Permittees shall provide ongoing opportunities for public involvement and participation through advisory councils, public hearings, watershed committees, participation in developing rate-structures or other similar activities.	The Stormwater Management Program Plan (SWMP) and National Pollutant Discharge Elimination System (NPDES) annual report are discussed, reviewed, and amended through a formal public review process that includes the Utility Advisory Committee (UAC) Work Plan and meetings. Additional special recognition events are featured at City Council meetings as appropriate, to highlight local pollution prevention and stewardship events and campaigns.
The minimum performance measures: *a. Permittees shall create opportunities for the public, including overburdened communities, to participate in the decision-making process involving the development, implementation and update of the Permittee's SMAP and SWMP.*	City staff have been participating in Environmental Justice meetings organized by Washington Storm Center to determine 1) how to better meet permit compliance and identification of tools for jurisdictions, and 2) how to better improve the permit writing process through discussions with other stakeholders including Tribes, NGO's, Environmental Groups, and other agencies. Staff have also been communicating with the new Diversity and Equity committee coordinator for ideas and feedback in our efforts to develop stormwater programs, especially in the development of the Stormwater Management Action Plan (SMAP). Our local Regional Environmental Education Partnership (REEP) was tasked in their 2021 workplan to identify overburdened communities across the county and consider outreach approaches. This effort has led to the development of an equity index. A service equity analysis of education and outreach efforts over the past ten years was completed in 2022. This information guides outreach and engagement planning to ensure programs are inclusive, accessible and representative of the entire community and result in fair distribution of benefits in Olympia and county-wide.
b. Each permittee shall post on their website their SWMP Plan and the annual report required under S9.A, no later than May 31 each year.	The City of Olympia posts the SWMP Plan on the Water Plans, Regulations & Reports page no later than May 31 each year. The Annual update can be found under State regulations: Western Washington Phase II Municipal Stormwater Permit. Water Plans, Regulations & Reports (olympiawa.gov)

MS4 Mapping and Documentation (S5.C4.)

Table 4 summarizes the requirements of Permit Special Condition S5.C4. and outlines the corresponding activities.

Table 4. MS4 Mapping and Documentation

Permit Requirements	Planned and Ongoing Activities
Include an ongoing program for mapping and documenting the MS4. ***Minimum performance measures:*** *a. Ongoing Mapping. Each Permittee shall maintain mapping data for the features listed below.*	The City has mapped tributary conveyances to, and including, all known outfalls and discharge points within the City of Olympia. A map of these basins appears in Appendix A. Ongoing mapping continues within the City of Olympia to improve spatial coverage and overall data quality. The City also performs CCTV inspections as part of an asset management program to better understand the integrity of the MS4 system, prioritize repair work, and reduce related risks. New connections to the MS4 are identified through the Community Planning and Development review and building permit process. The permit review requires submittal of electronic copies of newly constructed drainage systems that will be turned over to Public Works for post-construction facility inspection and maintenance. As-built documentation is archived and available for all new development projects. Private connections allowed under new permits are manually added to the City's MS4 mapping data set by GIS personnel.
b. New Mapping. *i. No later than January 1, 2020, begin to collect size and material for all known MS4 outfalls during normal course of business (e.g. during field screening, inspection, or maintenance) and update records.* *ii. No later than August 1, 2023, complete mapping of all known connections from the MS4 to a privately-owned stormwater system.*	The City has been collecting size and material for all known MS4 outfalls prior to this permit requirement. A continued effort to update our data is an ongoing aspect of the program. Discharges to private systems have been and will continue to be identified while mapping of the MS4 All known connections from the MS4 to a privately-owned stormwater system have been identified and mapped.
c. No later than August 1, 2021, the required format for mapping is electronic with fully described mapping standards.	The City is mapping in the required electronic format and uses ArcGIS ESRI software and geodatabases housed on City servers.
d. To the extent consistent with national security laws and directives, each Permittee shall make available to Ecology, upon request, available maps *e. Upon request, and to the extent appropriate, Permittees shall provide mapping information to federally recognized Indian Tribes, municipalities, and other Permittees.*	The City is prepared to respond appropriately to any mapping requests.

Illicit Discharge Detection and Elimination (S5.C5.)

Table 5 summarizes the requirements of Permit Special Condition S5.C5. and outlines the corresponding activities.

Table 5. Illicit Discharge Detection and Elimination

Permit Requirements	Planned and Ongoing Activities
Include an ongoing program designed to prevent, detect, characterize, trace, and eliminate illicit connections and illicit discharges into the MS4. ***Minimum performance measures:***	The City of Olympia achieves compliance with S5.C.5 through implementation of the programs described in this section. Olympia has an ongoing program designed to prevent, detect, characterize, trace, and eliminate illicit connections and illicit discharges into the MS4.
a. The program shall include procedures for reporting and correcting or removing illicit connections, spills, and other illicit discharges when they are suspected or identified.	Olympia implements the *Illicit Connection and Illicit Discharge Field Screening and Source Tracing Guidance Manual – May 2020* Revision to meet these requirements. *https://www.wastormwatercenter.org/permit-assistance/municipal/permit-assistance-2/ic-id/*
b. Permittees shall inform public employees, businesses, and the general public of hazards associated with illicit discharges and improper disposal of waste.	Residents and businesses throughout Olympia receive information about hazards associated with illicit discharges and improper disposal of waste through the Utility Billing Insert *Five Things Newsletter and Stream team Newsletter and social media.* Additionally, businesses contacted through the Dumpster Lid Campaign received outreach materials on how to manage waste and hazardous waste, how to report and respond to spills and how to store and contain cooking oils and other hazardous liquids. All new employees to Olympia receive information on how to identify spills and illicit discharges and to contact Public Works dispatch at 360-753-8333 for proper response, containment and cleanup.
c. Each Permittee shall implement and ordinance or other regulatory mechanism to effectively prohibit non-stormwater, illicit discharges into the Permittee's MS4 to the maximum extent allowable under state and federal law.	The Olympia Municipal Code Chapter 13.16 *Storm and Surface Water Management* provides for the regulatory mechanism to effectively prohibit non-stormwater, illicit discharges into the City's MS4 to the maximum extent allowable under state and federal law. *Chapter 13.16 STORM AND SURFACE WATER MANAGEMENT (codepublishing.com)* Specific sections of the municipal code that meet this requirement are identified below: • Ch 13.16.030 Prohibited uses of the storm drainage system • Ch 13.16.040 Discharge or connection to storm drainage system • Ch 13.16.150 Right of entry for inspection, code enforcement and repair • Ch 13.16.180 Enforcement – Civil and criminal penalties – Public nuisance

Permit Requirements	Planned and Ongoing Activities
d. Each Permittee shall implement an ongoing program designed to detect and identify non-stormwater discharges and illicit connections into the Permittee's MS4. *The program shall include the following components: Procedures for conducting investigations of the Permittee's MS4, including field screening and methods for identifying potential sources. These procedures may also include source control inspections.* • *All Permittees shall complete field screening for an average of 12% of the MS4 each year.*	Each year the Stormwater Utility implements a Pipe Conveyance Screening Program to inspect storm sewer pipes for condition rating and maintenance needs. During these CCTV screenings, staff and/or contractors also investigate signs of illicit discharges and cross-connections. The Utility screens an average of 35 percent of the MS4 each year. This percentage includes inspections of conveyance pipes, catch basins, maintenance holes, and stormwater treatment and flow control devices. The calculation is based on total inspection and asset count data collected from various database management systems. For conveyance pipes, data is gathered using CCTV using GraniteNet software from CUES, Inc., which includes length televised and Pipeline Assessment Certification Program (PACP) related information. For catch basin, maintenance holes, treatment, and flow control devices, data is collected using ESRI's Field Maps Applicator, which includes condition reports and inspection work order asset tracking. During the last permit cycle, the Utility also screened all known stormwater outfalls and other locations where stormwater leaves the MS4, to check for any illicit discharge indicators, including dry weather flow and other evidence of non-permitted substances. Olympia publicly lists and publicizes the Public Works Dispatch telephone number (360-753-8333) for public reporting of spills and other illicit discharges. All municipal field staff, who as part of their normal job responsibilities, might encounter or otherwise observe an illicit discharge and/or illicit connection to the MS4, have been trained on the identification of an illicit discharge and/or connection, and on the proper procedures for reporting and responding to the illicit discharge and/or connection. Follow-up training is provided as needed to address changes in procedures, techniques, requirements, or staffing. The most recent training for all municipal field staff occurred in February 2021.
e. Each Permittee shall implement an ongoing program designed to address illicit discharges, including spills and illicit connections, into the Permittee's MS4.	Olympia's ongoing illicit discharge program includes the following: • Procedures for characterizing the nature of, and potential public or environmental threat posed by, any illicit discharges found by or reported to the City, as well as procedures to address the evaluation of whether the discharge must be immediately contained and steps to be taken for containment of the discharge. • Procedures for tracing the source of an illicit discharge; including visual inspections, and when necessary, opening maintenance holes, using mobile cameras, collecting and analyzing water samples, and/or other detailed inspection procedures. • Procedures for eliminating the discharge, including notification of appropriate authorities (including owners or operators of interconnected MS4s); notification of the property owner; technical assistance; follow-up inspections; and use of the compliance strategy developed pursuant to S5.C.5.c.iv, including escalating enforcement and legal actions if the discharge is not eliminated. • Compliance with above is achieved by meeting the following timelines: • Immediate response to, and reporting of, all illicit discharges including spills, which are determined to constitute a threat to human health, welfare, or the environment, consistent with General Condition G3.

Permit Requirements	Planned and Ongoing Activities
	• Investigate (or refer to the appropriate agency with the authority to act) within 7 days, on average, any complaints, reports, or monitoring information that indicates a potential illicit discharge. • Initiate an investigation within 21 days of any report or discovery of a suspected illicit connection, to determine the source of the connection, the nature and volume of discharge through the connection, and the party responsible for the connection. • Upon confirmation of an illicit connection, use of the compliance strategy in a documented effort to eliminate the illicit connection within 6 months. All known illicit connections to the MS4 are eliminated.
f. Permittees shall train staff who are responsible for identification, investigation, termination, cleanup, and reporting of illicit discharges, including spills, and illicit connections, to conduct these activities. Follow-up training shall be provided as needed to address changes in procedures, techniques, requirements, or staffing. Permittees shall document and maintain records of the training provided and the staff trained.	All municipal field staff who are responsible for identification, investigation, termination, cleanup, and reporting of illicit discharges, including spills and illicit connections, are trained to conduct these activities. Ongoing training occurs as needed and appropriate, to address changes in procedures, techniques, and requirement of staffing. The most recent training for all municipal field staff occurred in February 2021. On October 5, 2023, key staff responsible for stormwater management and programmatic elements of the permit received training. The training included a high-level overview of illicit discharge identification, spill prevention, and incident reporting.
g. Recordkeeping: Each Permittee shall track and maintain records of the activities conducted to meet the requirements of this Section.	Olympia tracks and maintains records of the activities conducted to meet the requirements of this section. All discharges that meet G3 notification requirements are submitted to WA Ecology's ERTS system. In the Annual Report, Olympia submits data for the illicit discharges, spills and illicit connections including those that were found by, reported to, or investigated by the Stormwater Utility during the previous calendar year. The data includes the information specified in Appendix 12 and WQWebIDDE. Spill related service requests and inspections are currently stored in the CityWorks work order and workflow tracking system

Controlling Runoff from New Development, Redevelopment, and Construction Sites (S5.C6.)

Table 6 summarizes the requirements of Permit Special Condition S5.C6. and outlines the corresponding activities.

Table 6. Controlling Runoff from New Development, Redevelopment, and Construction Sites

Permit Requirements	Planned and Ongoing Activities
Implement and enforce a program to reduce pollutants in stormwater runoff to a regulated small MS4 from new development, redevelopment and construction site activities. The program shall apply to private and public development, including transportation projects. ***Minimum performance measures:*** *a. Implement an ordinance or enforceable mechanism that addresses runoff from new development, redevelopment, and construction site projects.* *Each Permittee shall adopt and make effective a local program, no later than June 30, 2022, that meets the requirements of S5.C.6.b(i) through (iii), below…*	Current codes and rules are set forth in the following list: OMC Title 13 Public Services Chapter 13.16 Storm and Surface Water Management *City of Olympia (codepublishing.com)* 13.16.017 Drainage Design and Erosion Control Manual – Adopted 2022 *https://www.codepublishing.com/WA/Olympia/?Olympia13/Olympia1316.html#13.16.017* 2021 Engineering Design and Development Standards Chapter 5 Stormwater, Effective February 9, 2022 *https://www.codepublishing.com/WA/Olympia/?edds/OlympiaEDDS05.html#5.010* To meet the requirements of the 2019 Permit, modifications were made to Olympia's Drainage Design and Erosion Control Manual. This enforceable ordinance and manual meet the equivalent to the Stormwater Management Manuals for Western Washington by Ecology. Olympia will continue the implementation of existing programs as required in S5.C.6.

b. The ordinance or other enforceable mechanism shall include the Minimum Requirements, thresholds, and definitions in Appendix 1…	The City of Olympia updated the Drainage Design and Erosion Control Manual effective November 28, 2022. This is the enforceable mechanism that includes at a minimum:
	
	• The minimum requirements, thresholds, and definitions in Appendix 1 for new development, redevelopment, and construction sites.
	• Requirements that include the following limitations and criteria that, when used to implement the minimum requirements in Appendix 1 will protect water quality, reduce the discharge of pollutants to the Maximum Extent Practicable (MEP), and satisfy the State requirement under Chapter 90.48 RCW to apply AKART prior to discharge:
	  ○ Site planning requirements
	  ○ BMP selection criteria
	  ○ BMP design criteria
	  ○ BMP infeasibility criteria
	  ○ LID competing needs criteria
	  ○ BMP limitations
	• Legal authority through the approval process for new development and redevelopment, to inspect and enforce maintenance standards for private stormwater facilities, approved under the provisions of this section that discharge to the Permittee's MS4.
	
	Drainage Design and Erosion Control Manual (olympiawa.gov)

Permit Requirements	Planned and Ongoing Activities
c. The program shall include a permitting process with site plan review, inspection and enforcement capability to meet the standards listed in (i) through (iv) below, for both private and public projects, using qualified personnel…	Planning, Building, Engineering, and Water Resources Lines of Business work together to ensure compliance with permitting, site plan review, inspection, and enforcement capabilities. This includes ongoing meetings of an interdepartmental workgroup, plan review, work by building inspectors, a TESC inspector and documentation in the City's permit tracking database. At a minimum, this program is applied to all sites that meet the minimum thresholds adopted pursuant to S5.C.6.b.i, above. • Review of all stormwater site plans for proposed development activities. • Inspect all construction sites that meet the minimum thresholds. • Inspect all permitted development sites during construction to verify proper installation and maintenance of required erosion and sediment controls. Enforce as necessary based on the inspection. • Inspect all stormwater and flow control BMPs/facilities, and catch basins, in new residential developments every six months, until 90% of the lots are constructed (or when construction has stopped and the site is fully stabilized), to identify maintenance needs and enforce compliance with the maintenance standards as needed. • Inspect all permitted development sites upon completion of construction and prior to final approval or occupancy, to ensure proper installation of permanent stormwater facilities. Verify that a maintenance plan is completed and responsibility for maintenance is assigned for stormwater treatment and flow control BMPs/facilities. Enforce as necessary based on the inspection. • Compliance with the inspection requirements, above, is determined by the presence and records of an established inspection program designed to inspect all sites. Compliance during this permit term is determined by achieving at least 80% of required inspections. These inspections may be combined with other inspections, provided they are performed using qualified personnel. • The program includes a procedure for keeping records of inspections and enforcement actions by staff, including inspection reports, warning letters, notice of violations, and other enforcement records. Records of maintenance inspections and maintenance activities are maintained. • An enforcement strategy is implemented to respond to issues of non-compliance.
d. The program shall make available, as applicable, the link to the electronic Construction Stormwater General Permit Notice of Intent (NOI) form for construction activity and, as applicable, a link to the electronic Industrial Stormwater General Permit NOI form for industrial activity to representatives of proposed new development and redevelopment.	This requirement is covered in the SmartGov community permitting portal. *https://ci-olympia-wa.smartgovcommunity.com/Public/DocumentsView/Download/653c57fe-b4ea-4d6d-a5e9-aa02015e9800*

Permit Requirements	Planned and Ongoing Activities
e. Each Permittee shall ensure that all staff whose primary job duties are implementing the program to control stormwater runoff from the new development, redevelopment, and construction sites, including permitting, plan review, construction site inspections and enforcement, are trained…	Staff with primary job duties implementing the program to control stormwater runoff from new development, redevelopment, and construction sites, including permitting, plan review, construction site inspections and enforcement have received training through means of Certified Erosion Sediment Control Lead (CESCL), Low Impact Development (LID), on the job training, and other ongoing training activities. Staff positions with these primary job duties include the following: • Current Planners • Plans Examiners • Building and Engineering Inspectors • Code Enforcement • Stormwater Engineer • Construction Stormwater Inspector

Operations and Maintenance (S5.C7.)

Table 7 summarizes the requirements of Permit Special Condition S5.C7. and outlines the corresponding activities.

Table 7. Operations and Maintenance

Permit Requirements	Planned and Ongoing Activities
Implement and document a program to regulate maintenance activities and to conduct maintenance activities by the Permittee to prevent or reduce stormwater impacts. ***Minimum performance measures:***	The purpose of the maintenance standard is to determine if maintenance is required. The maintenance standard is not a measure of the facility's required condition at all times between inspections. Exceeding the maintenance standard between inspections and/or maintenance activities is not a permit violation. Unless there are circumstances beyond Olympia's control, when an inspection identifies an exceedance of the maintenance standard, maintenance shall be performed: • Within 1 year for typical maintenance of facilities, except catch basins. • Within 6 months for catch basins. • Within 2 years for maintenance that requires capital construction of less than $25,000. Circumstances beyond Olympia's control include denial or delay of access by property owners, denial or delay of necessary permit approvals, and unexpected reallocation of maintenance staff to perform emergency work.
a. Implement maintenance standards that are as protective, or more protective, of facility function than those specified in the Stormwater Management Manual for Western Washington. For facilities which do not have maintenance standard the Permittee shall develop a maintenance standard. No later than June 30, 2022, the Permittees shall update their maintenance standards as necessary to meet the requirements of this section.	The Stormwater Utility currently inspects and maintains all catch basins on a two-year cycle. Every catch basin is cleaned during the time of inspection. Any structural issues are recorded and issued a work order for maintenance within six months.
b. Maintenance of stormwater facilities regulated by the Permittee • *The program shall include provisions to verify adequate long-term O&M of stormwater treatment and flow control BMPs/facilities that are permitted and constructed pursuant to S.5.C.6.c and shall be maintained in accordance with S5.C.7.a*	The Utility operates a stormwater facility inspection program for multi-family residential, commercial, and HOAs. The Utility provides a resources page for property owners to meet inspection and maintenance requirements, including a free online stormwater facility inspection and maintenance training *course* for property owners, contractors and property managers. *Private Stormwater System Maintenance (olympiawa.gov)* Maintenance agreements that clearly identify the party responsible for maintenance in accordance with the maintenance standards established under S5.C.7.a, requires inspection of facilities in accordance with the requirements below, and establishes enforcement procedures. These agreements are filed and recorded with the Thurston County Auditor. Annual inspections of all stormwater treatment and flow control BMPS/facilities that discharge to the MS4 and were permitted by Olympia according to S5.C.6.c, including those permitted in accordance with requirements adopted pursuant to the 2007-2019 Ecology municipal stormwater permits.

Permit Requirements	Planned and Ongoing Activities
• *Compliance with the inspection requirements in (b), above, shall be determined by the presence and records of an established inspection program designed to inspect all facilities, and achieving at least 80% of required inspections*	The City has required maintenance agreements since the late 1980's, though not all agreements have been recorded. For parcels without a recorded agreement, the City also requires inspection and maintenance of facilities in accordance with the Drainage Manual so facilities function as designed. The code reference is OMC 13.16.170 Stormwater facility maintenance. *https://www.codepublishing.com/WA/Olympia/?Olympia13/Olympia1316.html#13.16.170* The program inspects 100% of facilities adopted pursuant to the 2007-2024 Ecology municipal stormwater permits annually.
• *The program shall include a procedure for keeping records of inspections and enforcement actions by staff…*	The program keeps records of inspections, technical assistance, and enforcement actions by staff, including inspection reports, warning letters, notices of violations, and other enforcement records.
c. Maintenance of stormwater facilities owned and operated by the Permittee. • *Each Permittee shall implement a program to annually inspect all municipally owned or operated stormwater treatment and flow control BMPS/facilities and taking appropriate maintenance actions in accordance with the adopted maintenance standards.* • *Each Permittee shall spot check potentially damaged stormwater treatment and flow control BMPs/facilities after major storm events (24 hour storm event with a 10 year or greater recurrence interval.)* • *Each Permittee shall inspect all catch basins and inlets owned or operated by the Permittee every two years. Clean catch basins if the inspection indicates cleaning is needed…* • *The catch basin inspection schedule of every two years may be changed as appropriate to meet the maintenance standards based on maintenance records of double the length of time of the proposed inspection frequency.* • *Compliance with the inspection requirements above, shall be determined by the presence of an established inspection program achieving at least 95% of required inspections.*	The Vegetation & Habitat Operations and Stormwater/Wastewater Operations work groups operate programs to inspect and maintain all City of Olympia stormwater facilities. Stormwater and treatment flow control BMPs/facilities receive annual inspections and maintenance in accordance with maintenance standards defined in the adopted Olympia Drainage Design and Erosion Control Manual. The body of this work is documented and recorded using ArcGIS ESRI Field Maps technology and work order management systems (currently CityWorks). An important mission of the Utility is to provide public and environmental safety through reduced flooding potential. A "hot spots" list and inventory of potentially vulnerable stormwater infrastructure receives inspection and maintenance during most rain events. This list and inventory are cataloged and maintained using ArcGIS mapping. Spot checks for potentially damaged stormwater treatment and flow control BMPs/facilities occurs during and after all major storm events required after a 24-hour storm event with a 10 year or greater recurrence interval. Spot checks frequently occur after many lower-intensity storms than is required by the permit. The Utility currently inspects and maintains all catch basins on a two-year cycle. Every catch basin receives cleaning maintenance at the time of inspection. The body of this work is documented and recorded using ArcGIS ESRI Field Maps technology and a work order management system. Analyzing catch basin inspection and cleaning records spanning from 2015-2022, City staff utilized ArcGIS to identify a more efficient approach to examining and maintaining catch basins. Based on this analysis, an updated route protocol and ground-truthing pilot could enhance the catch basin inspection schedule, potentially increasing staff capacity. The freed-up resources could then be redirected towards addressing other essential infrastructure maintenance needs. The Utility continues to remain in compliance with inspection requirements.

Permit Requirements	Planned and Ongoing Activities
d. Implement practices, policies, and procedures to reduce stormwater impacts associated with runoff from all lands owned or maintained by the Permittee, and road maintenance activities under the functional control of the Permittee. *No later than December 31, 2022, document the practices, policies, and procedures.*	Practices and policies to reduce stormwater impacts from all lands owned or maintained by the City are routinely implemented across City operations, including the categories listed below. Collecting and documenting these procedures was completed by December 31, 2022. Ongoing documentation of activities will be completed as procedures change. The Utility maintains documentation of practices, policies, and procedures to reduce stormwater impacts associated with runoff from all lands owned or maintained by City of Olympia. Activities addressed: • Pipe cleaning • Cleaning of culverts that convey stormwater in ditch systems • Ditch maintenance • Street cleaning • Road repair and resurfacing, including pavement grinding • Snow and ice control • Utility installation • Pavement striping maintenance • Maintaining roadside areas, including vegetation management • Dust control • Application of fertilizers, pesticides, and herbicides • Sediment and erosion control • Landscape maintenance and vegetation disposal • Trash and recycling waste removal • Trash, graffiti, and pet/human waste management • Exterior building cleaning and maintenance • Equipment Maintenance
e. Implement an ongoing training program for employees of the Permittee whose primary construction, operations, or maintenance job functions may impact stormwater quality.	Operations and maintenance field staff have received training addressing the importance of protecting water quality, operation and maintenance standards, inspection procedures, relevant SWPPPs, selecting appropriate BMPs, ways to perform their job activities to prevent or minimize impacts to water quality, and procedures for reporting water quality concerns. All maintenance leads have completed Certified Erosion and Sediment Control Lead (CESCL) training. An abbreviated Erosion Control Plan is used for ground disturbing work when affecting more than 100 square feet of earth and any saw cutting or ditching activities occur.

Permit Requirements	Planned and Ongoing Activities
f. Implement a Stormwater Pollution Prevention Plan (SWPPP) for all heavy equipment maintenance or storage yards… *As necessary, update SWPPPs no later than December 31, 2022*	The City of Olympia's Maintenance Center and Squaxin Park Maintenance Facility have site specific SWPPPs which receive monthly site inspections. Corrective actions are taken when an inspection identifies a violation of the SPPP standards. These SWPPPs are updated on an as-needed basis, to reflect current city operations and conditions. At a minimum, these SWPPPS include: • A detailed description of the operational and structural BMPs in use at each facility and a schedule for implementation of additional BMPs when needed. • Annual inspections of the facility, including visual observations of discharges, to evaluate the effectiveness of the BMPs, identify maintenance needs, and determine if additional or different BMPs are needed. The results of these inspections must be documented in an inspection report or checklist. • An inventory of the materials and equipment stored on site, and the activities conducted at the facility, which may be exposed to precipitation or runoff and could result in stormwater pollution. • A site map showing the facility's stormwater drainage, discharge points, and areas of potential pollutant exposure. • A plan for preventing and responding to spills at the facility which could result in an illicit discharge.
g. Maintain records of the activities conducted to meet the requirements of this section.	Records are collected and maintained on site in a SWPPP site binder as well as electronically for all employees to access.

Source Control Program for Existing Development (S5.C8.)

Table 8 summarizes the requirements of Permit Special Condition S5.C8. and outlines the corresponding activities.

Table 8. Source Control Program for Existing Development

Permit Requirements	Planned and Ongoing Activities
Implement a program to prevent and reduce pollutants in runoff from areas that discharge to the MS4.	City of Olympia staff have developed a Business Source Control program with a focus on pollution prevention. The program requires the following: • Application of operational source control BMPs, and if necessary, structural source control BMPS or treatment BMPs/facilities, or both, to pollution generating sources associated with existing land uses and activities. • Inspections of pollutant generating sources at publicly and privately owned institutional, commercial, and industrial sites to enforce implementation of required BMPs to control pollution discharging into the MS4. • Application and enforcement of local ordinances at sites, identified pursuant to S5.C.8.b.ii, including sites with discharges authorized by a separate NPDES permit. • Practices to reduce polluted runoff from the application of pesticides, herbicides, and fertilizers from the sites identified in the inventory. City staff currently co-facilitate the regional Business Inspection Group (BIG) in collaboration with the Washington Storm Center. This group receives participation by more than fifty municipalities in Washington State. The Business Inspection Program Report was published in January 2020. *BIG (Business Inspection Group) – Washington Stormwater Center (wastormwatercenter.org)* BIG secured $280k in funding from the Stormwater Action Monitoring Effectiveness studies to develop the *Source Control Inspection Program Guidance Manual – Washington Stormwater Center (wastormwatercenter.org)*. This eight-chapter manual was completed in December 2022. Training to municipalities throughout Western Washington was also completed in December 2022. Olympia inspection staff attended these in person trainings in late 2022 and early 2023.
b. Minimum performance measures: *i. No later than August 1, 2022, permittees shall adopt and make effective an ordinance(s), or other enforceable documents, requiring the application of source control BMPs for pollutant generating sources associated with existing land uses and activities.*	A team of staff reviewed Olympia's municipal code Chapter 13.16 Storm and Surface Water Management in preparation of meeting this permit requirement. As a result, the code was updated to include the following new sections: OMC 13.16.010 T. Definitions for "Source Control BMP" OMC 13.16.015 Water quality standards. OMC 13.16.045 Pollution prevention requirements. OMC 13.16.175 Conflicts

Permit Requirements	Planned and Ongoing Activities
ii. No later than August 1, 2022, the Permittees shall establish an inventory that identifies publicly and privately owned institutional, commercial, and industrial sites which have the potential to generate pollutants to the MS4. *iii. No later than January 1, 2023, Permittees shall implement and inspection program for sites identified pursuant to S5.C.8.b.ii, above.* *iv. No later than January 1, 2023, each Permittee shall implement a progressive enforcement policy that requires sites to comply with stormwater requirements within a reasonable time period…* *v. Permittees shall train staff who are responsible for implementing the source control program to conduct these activities.*	Staff developed an inventory using business licenses obtained through the Department of Revenue and City business licenses applying the North American Industry Classification System (NAICS) codes as required by the municipal stormwater permit Appendix 8. Other environmental considerations, including proximity to critical resources and presence of hazardous materials, were also used to develop the list. The inventory includes: • Businesses and/or sites identified based on the presence of activities that are pollutant generating. • Other pollutant generating sources, based on complaint response, such as home-based businesses and multi-family sites. The inspection program for sites identified pursuant to S5.C.8.b.ii, above include: • All identified sites with a business address shall be provided information about activities that may generate pollutants and the source control requirements applicable to those activities. • Annual inspections equal to 20% of the businesses and/or sites listed in the source control inventory to assess BMP effectiveness and compliance with source control requirements. Follow-up compliance inspections at the same site may count toward the 20% inspection rate. • Inspection of 100% of sites identified through credible complaints. • Inspections based on complaints, or when the property owner denies entry, may be included for 20% inspection rate. Implementation of a progressive enforcement policy requiring sites to comply with stormwater requirements within a reasonable time period includes: • If determined, through inspections or otherwise, that a site has failed to adequately implement required BMPs, Olympia shall take appropriate follow-up action(s), which may include phone calls, reminder letters, emails, or follow-up inspections. • When determined that a site has failed to adequately implement BMPs after a follow-up inspection(s), Olympia shall take enforcement action as established through authority in OMC 13.16, or through the judicial system. • Records, including documentation of each site visit, inspection report, warning letters, notices of violations, and other enforcement records, demonstrating an effort to bring sites into compliance will be maintained. Records of sites that are not inspected because the property owner denies entry will also be maintained. • Non-emergency violations of OMC 13.16 may be referred to Ecology. *Business Pollution Prevention - City of Olympia* An online e-training curriculum covering the legal authority for source control, source control BMPs and their proper application, inspection protocols, lessons learned, typical cases, and enforcement procedures was developed by Washington Stormwater Center technical advisory committee, which included representation by Olympia Staff. This free online resource was launched in April 2023, providing necessary training for municipal inspection staff. *Source Control Inspection Online Training (thinkific.com)*

Compliance with Total Maximum Daily Load (TMDLs) Requirements (S7.)

Table 9 summarizes the requirements of Permit section S7. Compliance with TMDLs and outlines the corresponding activities.

Table 9. Compliance with TMDLs

Permit Requirements	Planned and Ongoing Activities
The following requirements apply if an applicable TMDL is approved for stormwater discharges from MS4s owned or operated by the Permittee. *A. For applicable TMDLs listed in Appendix 2, affected Permittees shall comply with the specific requirements identified in Appendix 2. Each Permittee shall keep records of all actions …* *B. For applicable TMDLs not listed in Appendix 2, compliance with this Permit shall constitute compliance with those TMDLs.*	The City of Olympia S7. Compliance with TMDLs Program will implement this section by: A. Olympia has kept and continues to keep records of all actions required by this Permit that are relevant to applicable TMDLs within their jurisdiction. The status of the TMDL implementation shall be included as part of the Annual Report submitted to Ecology. Each Annual Report shall include a summary of relevant SWMP, and Appendix 2 activities conducted in the TMDL area to address the applicable TMDL parameter(s). See Specific Actions below for a summary of actions. B. For applicable TMDLs not listed in Appendix 2, compliance with this Permit shall constitute compliance with those TMDLs. See Specific Actions below for a summary of actions.
Specific Actions	
WRIA 13 – Henderson Inlet Watershed Fecal Coliform Bacteria Water Quality Improvement Project *1. Annually implement the following BMPs in areas discharging to the Henderson Inlet via the MS4 in accordance with S5.C.6 of the Western Washington Phase II Permit:* • *Require phosphorus control for new and redevelopment projects that discharge via MS4 to Woodard Creek and meet the project thresholds in Appendix 1, MR #6: Runoff Treatment of the Western Washington Phase II Permit.* *2. Revise the City's coordinated plan with the City of Lacey to monitor and reduce fecal coliform bacteria discharges from the Fones/Taylor wetland treatment facilities by December 31, 2019 in accordance with S5.C.5 Illicit Discharge and Elimination of the Western Washington Phase II Permit.*	Through site plan review and permitting, development occurring within the Woodard Creek basin requires phosphorus control water quality treatment. It should be recognized that the TMDL study was conducted prior to the construction of the Fones Road Ditch Stormwater Facility by the Cities of Olympia and Lacey in 2004. This joint facility consists of an upper facility (Lacey's) that flows to a lower facility (Olympia's). Lacey's stormwater facility is located North of 14th Avenue east of Fones Road in Olympia and consists of a two-cell treatment/infiltration pond to treat Lacey's stormwater originating from South Sound Center, portions of Pacific Avenue, and residential areas south of Pacific Avenue, prior to flowing into a stormwater conveyance under Fones Road to combine with Olympia's Stormwater System. The combined discharge flows to Olympia's stormwater facility that is located behind Home Depot on Fones Road and consists of two ponds; an upper wet pond, and a large lower pond that was designed as an infiltration pond. The facility has a very large capacity, with discharges to Woodard Creek occurring after major storm events.

Permit Requirements	Planned and Ongoing Activities
• *Submit a revised program plan to Ecology that includes a timeline for implementation, sampling frequencies, and identifies, at the minimum, who will be responsible for sampling, investigations, and enforcement by December 31, 2019.* • *If sampling results indicate potential illicit discharges, conduct an investigation in accordance with S5.C.5. of the Western Washington Phase II Permit* • *Submit a summary of the coordinated efforts with sampling, investigation and enforcement actions taken with each annual report.*	The Water Quality Implementation Plan for the Henderson Inlet TMDL (Hempleman, 2008) identified two main actions for the headwater of Woodard Creek: stormwater treatment for the Taylor wetland stormwater discharge, and monitoring discharge, if any, for bacteria. In Table 7 of the Implementation Plan, the stormwater facility is noted as being constructed, and implementation status was "completed." The discharge monitoring for bacteria was first coordinated between the Cities of Lacey and Olympia in 2013. Since then, there have been two revisions to this plan, with the latest occurring on December 30, 2019. Compliance with the plan continues annually through coordinated sampling efforts. During 2022, the third-party lab identified in the coordinated monitoring plan ceased operation. In 2023, representatives from the Cities of Olympia and Lacey held discussions with Ecology TMDL and Permit writing teams to outline necessary actions for staying compliant with the existing coordinated monitoring plan as well as potential changes for the 2024-2029 NPDES Permit. A summary of coordinated sampling efforts and results are submitted with the Annual NPDES Report. Though not directly related to the TMDL, the City of Olympia and LOTT Clean Water Alliance currently have a limited term interlocal agreement to help fund wastewater pumping of occupied RV's throughout LOTTs service area. The City has been working diligently to ensure protection of surface waters in areas with individuals living in RVs that drain to our MS4 or receiving waters.
WRIA 13 – Deschutes River Watershed *Annually report on temperature reduction measures in the watershed.*	The City of Olympia met this requirement through the following actions: • Applying the City's Drainage Design and Erosion Control Manual (DDECM) for new and redevelopment, including the DDESM's low impact development (LID) requirements. • City of Olympia's code and Engineering Development and Design Standards (EDDS) limits the amount of impervious (hard) surfaces and promotes the use of LID approaches. • Implementing the City's Shoreline Master Program and Critical Area Ordinance which requires stream buffers for new development. • Stewardship activities through Water Resources Habitat Program and Parks, Arts and Recreation program, where tree planting and restoration activities take place in critical areas which buffer wetlands and streams.

Monitoring and Assessment (S8.)

Table 10 summarizes the requirements of Permit section S8. Monitoring and Assessment and outlines the corresponding activities for the Program.

Table 10. Monitoring and Assessment

Permit Requirements	Planned and Ongoing Activities
A. Regional Status and Trends Monitoring *B. Stormwater Management Program Effectiveness and Source Identification Studies*	City of Olympia selected option A for compliance with Phase I Permit requirement S8. Monitoring and Assessment due no later than December 1, 2019. Options chosen: • **Regional Status and Trends Monitoring** - Option #a. (S8.A.2.a) *a. Make annual payments into a collective fund to implement regional receiving water status and trends monitoring of small streams and marine nearshore areas in Puget Sound. The annual payments into the collective fund are due on or before August 15 each year beginning in 2020. Submit payments according to Section S8.D.* • **Stormwater Management Program Effectiveness and Source Identification Studies –** Option # a. (S8.B.2.a) *a. Make annual payments into a collective fund to implement effectiveness and source identification studies. The annual payments into the collective fund are due on or before August 15 each year beginning in 2020. Submit payments according to Section S8.D.* The City of Olympia participates in a collective Stormwater Action Monitoring (SAM) program to implement the above programs. These studies help provide more detailed water quality analysis and can be helpful in identifying effective pollution prevention and treatment strategies and tools based on land use and intensity analogs in other urban watersheds. *Stormwater Action Monitoring - Washington State Department of Ecology*

Reporting Requirements (S9.)

Table 11 summarizes the requirements of this Permit section and outlines the corresponding activities.

Table 11. Reporting Requirements

Permit Requirements	Planned and Ongoing Activities
A. *No later than March 31 of each year, each Permittee shall submit an Annual Report. The* *reporting period for the Annual Report will be the previous calendar year unless otherwise specified.*	Please find the current *City of Olympia's Annual Report* at Water Plans, Regulations & Reports: State regulations – Western Washington Phase II Municipal Stormwater Permit - *https://www.olympiawa.gov/services/water_resources/water_plans,_regulations___reports/index.php*

Conclusion and Contact Information

The 2024 SWMP Plan describes the actions and activities that Olympia plans to implement over the coming year to manage stormwater and protect the land and waterscapes it affects. Central to that effort is internal coordination among all Olympia departments and lines of business, subject to Permit requirements. This coordination mechanism successfully engages staff across the organization, minimizing barriers to achieving Permit compliance.

Olympia is committed to implementing the programs described herein and recognizes that doing so contributes to two very important objectives:

1. Protection of Olympia's waters and lands so its community members can enjoy them safely today and for generations to come; and,
2. Compliance with the City's NPDES Phase II Municipal Stormwater Permit.

The SWMP Plan is a living document that will be updated continually as circumstances change. The SWMP plan will be updated annually throughout the Permit term to reflect changes in the City's approach to stormwater management and Permit compliance. Olympia will continue to invite the public to participate in decision-making processes regarding the City's SWMP. For more information on participation opportunities, see Table 3 - Public Involvement and Participation (S5.C3.) of this plan.

Questions about the City's SWMP should be directed to:

Jeremy Graham
NPDES Coordinator
Phone 360.753.8097
Email *jgraham@ci.olympia.wa.us*

Western WA Municipal Stormwater Permit (olympiawa.gov)

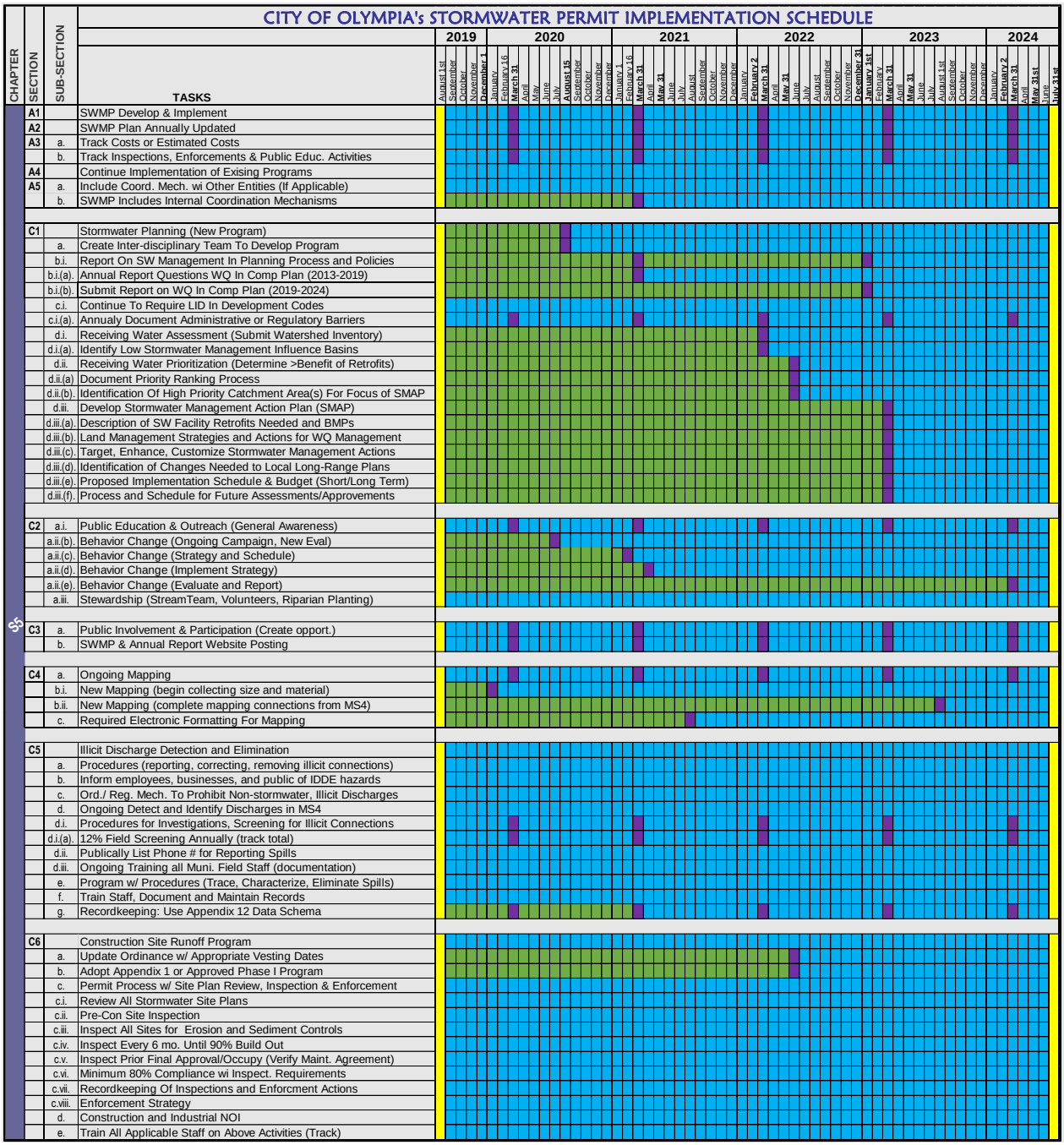
https://www.olympiawa.gov/services/water_resources/water_plans,_regulations___reports/western_wa_municipal_stormwater_permit.php

Glossary

Glossary Term	Definition
All known, available and reasonable methods of prevention, control and treatment (AKART)	All known, available, and reasonable methods of prevention, control and treatment. See also State Water Pollution Control Act, chapter 90.48.010 RCW and chapter 90.48.520 RCW. Refers to the State Water Pollution Control Act, chapter 90.48.010 RCW and chapter 90.48.520 RCW.
Best Management Practices (BMP)	The schedules of activities, prohibitions of practices, maintenance procedures, and structural and/or managerial practices approved by Ecology that, when used singly or in combination, prevent or reduce the release of pollutants and other adverse impacts to waters of Washington State.
Business Inspection Group (BIG)	A regional business inspection group that meets via Web-Ex to share information and collaborate on topics surrounding source control business inspections and new permit requirements.
Illicit discharge	Any discharge to a MS4 that is not composed entirely of stormwater or of non-stormwater discharges allowed as specified in this permit (S5.C.3 and S6.D.3).
Illicit Discharge Detection and Elimination (IDDE)	An ongoing program designed to prevent, detect, characterize, trace, and eliminate illicit connections and illicit discharges into the MS4.
Maximum Extent Practicable (MEP)	Refers to paragraph 402(p)(3)(B)(iii) of the federal Clean Water Act which reads as follows: "Permits for discharges from municipal storm sewers shall require controls to reduce the discharge of pollutants to the maximum extent practicable, including management practices, control techniques, and system, design, and engineering methods, and other such provisions as the Administrator or the State determines appropriate for the control of such pollutants."
Municipal Separate Storm Sewer System (MS4)	A conveyance, or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, manmade channels or storm drains): (i) Owned or operated by a state, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to state law) having jurisdiction over disposal of wastes, stormwater, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under section 208 of the CWA that discharges to waters of Washington State. (ii) Designed or used for collecting or conveying stormwater. (iii) Which is not a combined sewer; (iv) Which is not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR 122.2.; and (v) Which is defined as "large" or "medium" or "small" or otherwise designated by Ecology pursuant to 40 CFR 122.26.
Secure Access Washington (SAW)	A central login that lets you access the online services of multiple state agencies. A server provided by Washington's Consolidated Technology Services.

Stormwater Action Monitoring (SAM)	A collaborative, Western Washington regional stormwater monitoring program that is funded by more than 90 cities and counties, the ports of Seattle and Tacoma, and the Washington State Department of Transportation under the general municipal stormwater permits.
Stormwater Management Action Plan	The document required by Ecology to assess and complete a receiving water assessment and prioritization of at least one priority catchment area located within the City's jurisdiction.
Stormwater Management Program (SWMP)	A set of actions and activities designed to reduce the discharge of pollutants from the MS4 to the MEP and to protect water quality, and comprising the components listed in S5 (for cities, towns, and counties) or S6 (for Secondary Permittees) of this Permit and any additional actions necessary to meet the requirements of applicable TMDLs pursuant to S7 *Compliance with TMDL Requirements,* and S8 *Monitoring and Assessment*.
Stormwater Treatment and Flow Control BMPs/Facilities	Detention facilities, permanent treatment BMPs/facilities; and bioretention, vegetated roofs, and permeable pavements that help meet Appendix 1 Minimum Requirements #6 (treatment), #7 (flow control), or both.
Stormwater Work Group (SWG)	Group who prioritizes and selects stormwater-related studies and monitoring activities and oversees SAM.
Total Maximum Daily Load (TMDL	A water cleanup plan. A TMDL is a calculation of the maximum amount of a pollutant that a water body can receive and still meet water quality standards, and an allocation of that amount to the pollutant's sources. A TMDL is the sum of the allowable loads of a single pollutant from all contributing point and nonpoint sources. The calculation must include a margin of safety to ensure that the water body can be used for the purposes the state has designated. The calculation must also account for seasonable variation in water quality. Water quality standards are set by states, territories, and tribes. They identify the uses for each water body, for example, drinking water supply, contact recreation (swimming), and aquatic life support (fishing), and the scientific criteria to support that use. The Clean Water Act, section 303, establishes the water quality standards and TMDL programs.
WQWebIDDE	Short for water quality website illicit discharge detection and elimination, is the name given to Ecology's database for municipalities to submit spill/incident reporting and response data. The WQwebIDDE's database platform is located online in Ecology's WQwebPortal, hosted through Secure Access Washington (SAW).

Appendix A
Permit Task Requirements and Schedules



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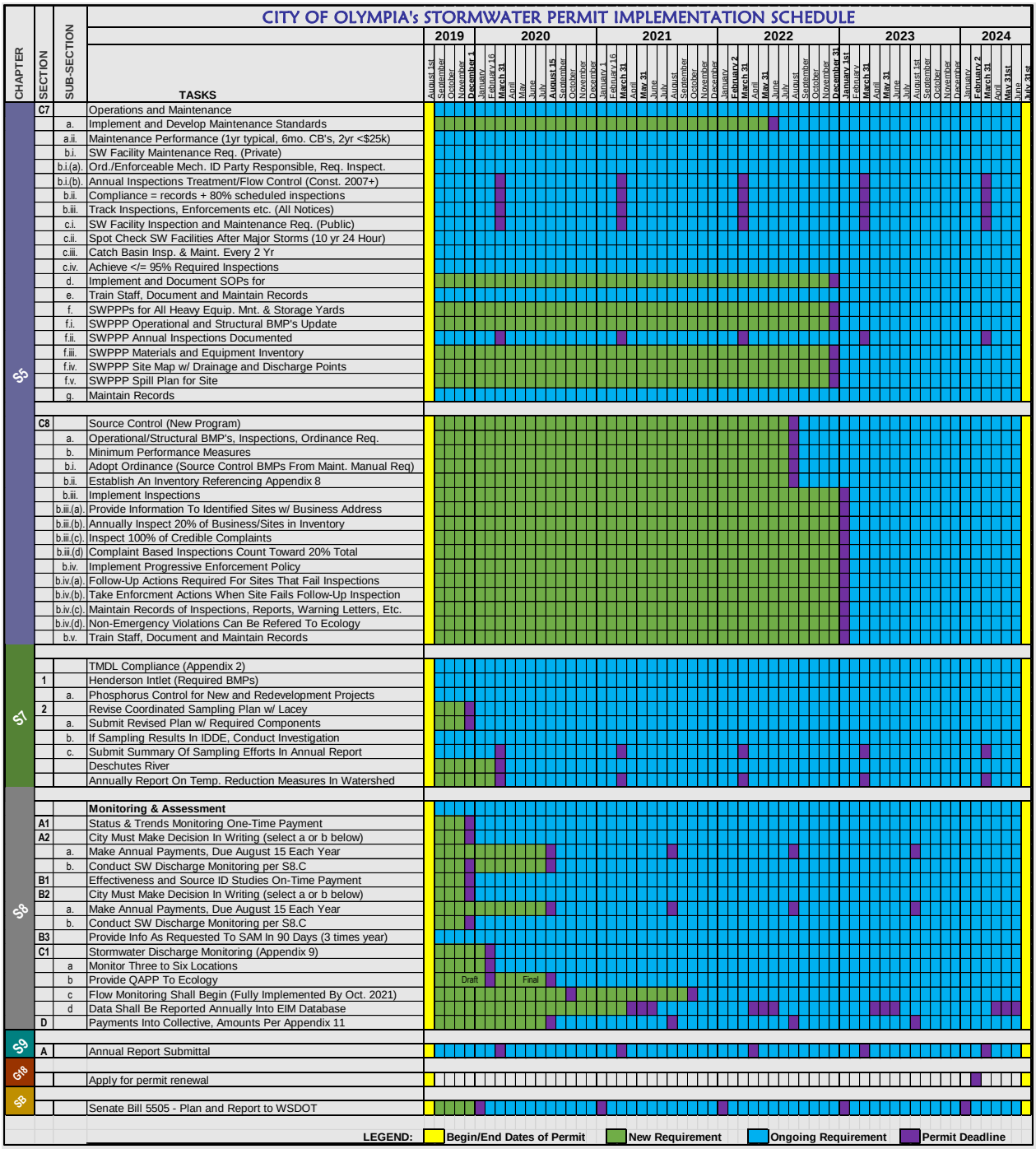

CITY OF OLYMPIA's STORMWATER PERMIT IMPLEMENTATION SCHEDULE
CHAPTER
SECTION
SUB-SECTION
TASKS
2019
2020
2021
2022
2023
2024
August 1st
September
October
November
December 1
January
February 16
March 31
April
May
June
July
August 15
September
October
November
December 1
January
February 16
March 31
April
May 31
June
July
August
September
October
November
December
January
February 2
March 31
April
May 31
June
July
August
September
October
November
December 31
January 1st
February
March 31
April
May 31
June
July
August 1st
September
October
November
December
January
February 2
March 31
April
May 31st
June
July 31st
S5
C7 Operations and Maintenance
a. Implement and Develop Maintenance Standards
a.ii. Maintenance Performance (1yr typical, 6mo. CB's, 2yr <$25k)
b.i. SW Facility Maintenance Req. (Private)
b.i.(a). Ord./Enforceable Mech. ID Party Responsible, Req. Inspect.
b.i.(b). Annual Inspections Treatment/Flow Control (Const. 2007+)
b.ii. Compliance = records + 80% scheduled inspections
b.iii. Track Inspections, Enforcements etc. (All Notices)
c.i. SW Facility Inspection and Maintenance Req. (Public)
c.ii. Spot Check SW Facilities After Major Storms (10 yr 24 Hour)
c.iii. Catch Basin Insp. & Maint. Every 2 Yr
c.iv. Achieve </= 95% Required Inspections
d. Implement and Document SOPs for
e. Train Staff, Document and Maintain Records
f. SWPPPs for All Heavy Equip. Mnt. & Storage Yards
f.i. SWPPP Operational and Structural BMP's Update
f.ii. SWPPP Annual Inspections Documented
f.iii. SWPPP Materials and Equipment Inventory
f.iv. SWPPP Site Map w/ Drainage and Discharge Points
f.v. SWPPP Spill Plan for Site
g. Maintain Records
C8 Source Control (New Program)
a. Operational/Structural BMP's, Inspections, Ordinance Req.
b. Minimum Performance Measures
b.i. Adopt Ordinance (Source Control BMPs From Maint. Manual Req)
b.ii. Establish An Inventory Referencing Appendix 8
b.iii. Implement Inspections
b.iii.(a). Provide Information To Identified Sites w/ Business Address
b.iii.(b). Annually Inspect 20% of Business/Sites in Inventory
b.iii.(c). Inspect 100% of Credible Complaints
b.iii.(d) Complaint Based Inspections Count Toward 20% Total
b.iv. Implement Progressive Enforcement Policy
b.iv.(a). Follow-Up Actions Required For Sites That Fail Inspections
b.iv.(b). Take Enforcment Actions When Site Fails Follow-Up Inspection
b.iv.(c). Maintain Records of Inspections, Reports, Warning Letters, Etc.
b.iv.(d). Non-Emergency Violations Can Be Refered To Ecology
b.v. Train Staff, Document and Maintain Records
S7
TMDL Compliance (Appendix 2)
1 Henderson Intlet (Required BMPs)
a. Phosphorus Control for New and Redevelopment Projects
2 Revise Coordinated Sampling Plan w/ Lacey
a. Submit Revised Plan w/ Required Components
b. If Sampling Results In IDDE, Conduct Investigation
c. Submit Summary Of Sampling Efforts In Annual Report
Deschutes River
Annually Report On Temp. Reduction Measures In Watershed
S8
Monitoring & Assessment
A1 Status & Trends Monitoring One-Time Payment
A2 City Must Make Decision In Writing (select a or b below)
a. Make Annual Payments, Due August 15 Each Year
b. Conduct SW Discharge Monitoring per S8.C
B1 Effectiveness and Source ID Studies On-Time Payment
B2 City Must Make Decision In Writing (select a or b below)
a. Make Annual Payments, Due August 15 Each Year
b. Conduct SW Discharge Monitoring per S8.C
B3 Provide Info As Requested To SAM In 90 Days (3 times year)
C1 Stormwater Discharge Monitoring (Appendix 9)
a Monitor Three to Six Locations
b Provide QAPP To Ecology
Draft
Final
c Flow Monitoring Shall Begin (Fully Implemented By Oct. 2021)
d Data Shall Be Reported Annually Into EIM Database
D Payments Into Collective, Amounts Per Appendix 11
S9
A Annual Report Submittal
G18
Apply for permit renewal
S8
Senate Bill 5505 - Plan and Report to WSDOT
LEGEND:
Begin/End Dates of Permit
New Requirement
Ongoing Requirement
Permit Deadline

Appendix B
Underground Injection Control Program

Ecology has added requirements for Underground Injection Control (UIC) wells. This appendix lays out the reference material for installation, maintenance & operation, education & outreach, illicit discharge & elimination, and annual reporting of changes.

Permit Requirements	Planned and Ongoing Activities
S2.A.1 Discharges to groundwaters of the State through facilities regulated under the Underground Injection Control (UIC) program, Chapter 173-218 WAC, are not authorized under this permit.	The Underground Injection Control Program (UIC) administered by WA Ecology protects groundwater quality by regulating discharges to UIC wells. UIC wells are fabricated structures used to discharge fluids into the subsurface. Examples are drywells, infiltration trenches with perforated pipe, and any structure deeper than the widest surface dimension (see Reference 6 or Chapter I-4 UIC Program in the 2019 Stormwater Management Manual for Western Washington (SWMMWW) 2019SWMMWW (wa.gov). For single family projects, drywells that are located immediately adjacent to buildings and infiltrate roof runoff directly from the gutters and downspouts do not need Ecology registration. Open ponds are not considered injection wells. Olympia uses the presumptive approach to meet UIC Program rule authorization as allowed by Ecology. The City has a single jurisdiction wide Stormwater Management Program (SWMP) that combines requirements for both the municipal UIC wells and the municipal separate storm sewer system (MS4). City of Olympia Drainage Design and Erosion Control Manual requires permit applicants to provide proof of UIC registration if it is required by Ecology prior to plan approval or permit issuance (see Volume I Section I-2.14 pg 35 and I-4 pp 90-106). The City of Olympia Design Manual is an equivalent to the SWMMWW. Note that existing UIC wells that are unable to obtain Ecology rule authorization and UIC site ID number without modification may require design review and permit approval per City of Olympia requirements for such. See *Drainage Design and Erosion Control Manual (olympiawa.gov)* for a program description that addresses UIC well registration.

2023 Public Education and Outreach Summary

	TOTAL	Action / Stewardship	Education Classes Workshops	Education Schools	TCD-Education/ Partnership	Salmon Stewards
Number of events	**190**	46	22	10	69	53
Number of attendees	**4,218**	256	2188	429	1345	
Number of volunteers	**398**	137			234	27
Number of volunteer hours	**1,380**	487			455	438
Number reached on social, newsletter, emails	**108,396**	105,624			2772	

Definitions

Action/stewardship	The Stream Team program builds a sense of place and encourages water quality protection through individual actions and involvement in hands-on monitoring activities and ecological learning events. Events and activities include macroinvertebrate, amphibian, Purple Martin, and phytoplankton monitoring, oyster seed planting, Salmon Stewards, invasive plant removal and restoration planting of native trees and plants.
Education / Classes / Workshops	Adult/family workshops and events raise awareness of the impacts from stormwater runoff on aquatic resources and wildlife. Lectures, events, and workshops include Marine Creature Monday events, natural yard care workshops, beach seining, bat lectures, stormwater facility maintenance workshop, Salmon Steward training, amphibian life talk, and Nature Sleuths scavenger hunt.
Education/Schools	Water Quality and Habitat-focused environmental education for Olympia School District incorporating South Sound GREEN water quality testing and near shore programs. Stormwater Week curriculum for sixth graders at Washington Middle School. Stormwater day for 6th graders at Reeves Middle School. Middle school student participation in the Water Resources Stewardship Calendar Contest and habitat restoration events with Marshall Middle School students.

Other Outreach

Thurston Regional environment Education Partnership (REEP): ▪ Stream Team Newsletters ▪ Website ▪ Emails ▪ Facebook ▪ Instagram ▪ YouTube	Co-produced and managed Stream Team quarterly newsletter, Stream team website, Facebook page, Instagram, YouTube and monthly Stream Team emails. • 17, 069 Electronic newsletters distributed • 2,375 Paper copies distributed in Olympia • 26.758 Website visitors (12,620 new users) • 56,580 Emails sent with 42% open rate • 2,696 Facebook followers • 1,101 Instagram followers • 149,706 YouTube video views
Natural Yard Care	Promoted natural lawn and yard care videos on City and Stream Team websites, social media, Water Resources E-news, Stream Team Newsletter articles, City Hall monitors, and at tabling events.

Other Outreach (continued)

Rain Garden Incentive	Provide cost share incentives to Olympia residents to encourage the installation of rain gardens. Advertised the benefits of rain gardens and the incentive program in the utility bill insert and on the Stream Team website.
Pet Waste	Distributed six neighborhood pet waste stations. Distributed 612 on-leash pet waste bag dispensers to Olympia residents through Olympia City Hall front counter. Collected 260 pledges to pick up pet waste. Distributed 9,200 pet waste brochure inserts through Joint Animal Services to licensed pet owners in partnership with REEP. Distributed 500 Water Resources Stewardship Through Art 2022 Calendars with pet waste messaging. Promoted pet waste BMPs in Stream Team's Reels platform. Distributed 2,500 coasters to local bars and restaurants with pet waste messaging during September and October for Puget Sound Starts Here Month.
Construction Stormwater Pollution	Updated Temporary Erosion and Sediment Control Pocket Guide. Transcreation of guide into Spanish.
Puget Sound Start Here Month Campaign – Don't Wait to Inflate! Don't Drip and Drive, Car Washing and Tire Maintenance	Contributed financially to regional-wide digital media campaign. Promoted car care BMPs on Stream Team webpage. This page was adopted from fixleaks.org and features BMPs for car washing, vehicle leaks and tire maintenance. Car care BMPs are also promoted through the City utility bill insert, Water Resources E-news, Stream Team Newsletter and social media platforms and in the Water Resource Stewardship Through Art Calendar.
Storm Drains	Created Rake-A-Drain Campaign for October that included a banner for State Avenue (displayed for 4 weeks) Rake-A-Drain articles for Stream Team Newsletter and Olympia's "5 Things" utility bill inserts, City Hall monitors, and Water Resources' E-News. Distributed storm drain markers to all new development sites.
Utility Bill Insert (Five Things)	Articles regarding pet waste, car washing, using deicers safely, Rake-A-Drain, reporting spills, pressure washing, Water Resources Calendar Contest, natural lawn care, Stream Team activities and Only Rain Down the Drain.
Puget Sound Starts Here Month	Distributed 2,500 stormwater pollution prevention BMP coasters to local restaurants and bars. Promoted PSSH month on City and Stream Team social media, newsletters, and websites. Participated in STORM Puget Sound Starts Here - Don't Wait to Inflate digital media campaign, Olympia zip codes had 24,325 video starts with 20,291 video completions.
Water Resources Through Art Calendar Contest	Developed and distributed 500 Water Resources Stewardship Through Art 2022 calendars. The calendar raises awareness of Stormwater Pollution Prevention and Water Conservation best practices. We identified 12 key messages to convey best practices and invited Olympia middle school students to submit art depicting one of these messages. Artwork was selected and used for the calendar (one for each month of the year) which is accompanied by the key message it depicts. Students, joined by their families, received City Council recognition and gift cards.

Other Outreach (continued)

World Oceans Day	Each June, World Oceans Day is celebrated to amplify the vital importance of our oceans and the actions we can all take to help protect them. This community cultural event was held at Heritage Park on June 10 from 11 a.m.-3 p.m. Activities included: • Guest Speakers Kris Peters Chairman of the Squaxin Island Tribe, State Representative Beth Doglio, and County Commissioner Tye Menser. *Watch Chairman Peter's speech here*. • Live music from Artesian Rumble, kids activities, exhibitor booths, food trucks and raffle prizes.
Regional Environmental Education Partnership (REEP) Equity Work	Audience expansion and closing service equity gaps was a focus of our 2023 work. We met with Cielo staff several times over the course of the year to co-create and implement events that would benefit the Hispanic community in Thurston County. Showing up and supporting Cielo's events was an important part of our effort to develop a partnership built on trust between our organizations which will continue into the future. Through this experience we learned that partnering with community-based organizations takes additional time and resources. We are exploring ways to build our capacity to sustain and expand this important work. Lastly, we held a facilitated equity retreat to begin prioritizing our efforts and set the foundation for the development of a five-year equity plan.
Stormwater Week - Middle School Stormwater Curriculum	Stormwater Week curriculum is geared to 6th grade students and centered on developing students' sense of place and connection to the natural world. It builds their capacity to analyze and solve complex and challenging environmental issues which impact our well-being now and in the future. Each student engages in activities to understand what stormwater is, how stormwater gets polluted, and what individual and collective actions can be taken to keep stormwater clean. See attached summary document.

Stormwater Week Middle School Curriculum

2023 Pilot

Summary

Why Stormwater Week?

As our city grows and develops, we replace forests, meadows and wetlands with buildings and pavement. And now when it rains, the water (often called runoff or stormwater) flows off hard surfaces creating problems for our community. The negative impacts of stormwater runoff include property damage due to flooding, water pollution, beach and shellfish closures and degraded habitat for salmon, Orca, and other wildlife that depend on cool, clean water to survive.

Stormwater runoff eventually makes its way to our waterways and groundwater. Runoff picks up fertilizer, oil, pesticides, dirt, bacteria, tire particles, metals and other pollutants as it makes its way through storm drains and ditches to our streams, rivers, lakes and Puget Sound.

Stormwater Week curriculum is centered on developing students' sense of place and connection to the natural world. It builds their capacity to analyze and solve complex and challenging environmental issues that impact our well-being now and in the future.

Key Curriculum Outcomes

Each student engages in activities to understand what stormwater is, how stormwater gets polluted, and what individual and collective actions we can take to keep stormwater clean.

- **Building Sense of Place:** Students learn about what a watershed is, what watershed their school is in and the water quality of streams in their watershed.
- **Stormwater Pollution:** Students explore what types of pollution can get into storm drains and make our water unhealthy. They learn how our everyday activities and the choices we make can have a positive or negative impact on water quality.
- **Managing Stormwater at School and at Home:** Students tour school grounds to explore how stormwater moves through and is managed at their school. They learn about different types of facilities that are designed to replace natural hydrological processes. They explore possible solutions to improve the quality of stormwater runoff. Stormwater activity sheets engage their math and analytical skills to gain a deeper understanding of engineering calculations that are used in stormwater management design.
- **Making Connections Between Land Use and Runoff:** Presentations and hands-on field activities help students understand the movement of water in developed and non-developed landscapes. They learn that how we develop our city matters, and the importance of preserving natural areas and using green stormwater infrastructure in our urban design.

- **Hands-on Learning and Problem Solving:** Field day hands-on learning stations allow students to engage with a variety of activities related to stormwater management and watershed protection. They explore ideas and learn concepts that build their capacity to problem-solve stormwater issues.
- **Exploring Environmental Solutions:** The Water Stewardship Through Art Calendar Contest incorporates art into environmental education. It promotes a learning process of inquiry, contemplation, innovation and action while allowing students to apply their own creative ideas.

Field Day Implementation

Implementation Team:

The Implementation Team includes City of Olympia staff, middle school teachers and community partners. Team members lead and assist with activity stations, timing rotations, and giving station assignments to students. Each station can accommodate about 12 students and each rotation is 12 minutes long.

Field day agenda: Each student will rotate through four 12-minute activity stations, followed by a 5-minute group presentation of water quality sampling.

Station 1 - Soil Sleuthing: Healthy soil is filled with living creatures, helps plants grow, filters and purifies water, and plays a key role in the carbon and nitrogen cycles of Earth. At this station, students will use soil corers to collect soil samples from both forested and open space areas to observe differences in soil composition and identify different soil types such as clay, sand or silt, and conduct a ribbon test to estimate soil texture. We will talk about the benefits of healthy soil, explore the critters that live in soil, and learn about how different soil types absorb rain. Students will be able to see different soil types suspended in a water column, and will learn how sediment in streams can impact aquatic habitat and aquatic species.

Station 2 - Soaking up the Rain: Green stormwater infrastructure mimics nature by absorbing stormwater and filtering pollutants. At this station, students will learn how bio-filtration, plants and pervious paving can help manage rain runoff in areas like our cities and neighborhoods where the natural water cycle has been altered by impervious surfaces. Students will get to pour water over different green stormwater models and observe results and compare it to natural processes.

Station 3 - People and Water: Our local “neighborhood” watershed is part of the larger Puget Sound and Salish Sea watershed. At this station, Students will participate in the Enviroscape model or felt display learning how human actions and development impact stormwater and stormwater pollution. Students will use the models to understand how pollutants cause water quality problems downstream of the pollution source, and learn how this pollution can affect salmon, Orca, shellfish and other aquatic wildlife.

Station 4 - Stream Bug Study: There are bugs lurking on the bottom of the creek! Not only do these amazing invertebrates have unique adaptations to help them survive in their aquatic habitat, they also can be excellent indicators of stream health. At this station, Students will learn how to identify real living stream "bugs" and what they mean for the health of the Deschutes River Watershed.

Water Quality Sampling Presentation: Students will come together to learn sampling techniques and the different water quality parameters that will be tested.

Stormwater Week Schedule

Day 1 - City of Olympia staff lead a 25-minute PowerPoint presentation followed by a 25 minute school grounds walking tour with discussion centered around stormwater features and how stormwater is managed at WMS. Students will observe roof drains, storm drains, the infiltration gallery, the storm pond and kettle, and discuss the significance of forested and natural areas in relation to habitat, stream health and water quality.

Day 2 - (Teachers): Using worksheet(s) provided, teachers cover information related to precipitation, rain gauge data, infiltration, transpiration and calculating runoff from school impervious surfaces and impervious surfaces at home.

Day 3 - (ALL & SSG): City of Olympia staff, Pacific shellfish Institute and South Sound Green staff will coordinate field day with hands-on learning stations. Students rotate through 4 hands-on stations/ activities (listed on page 2).

Day 4 - Optional:

- Teachers provide time for students to work on their artwork for the calendar contest.
- Nature Sleuths Scavenger Hunt – School grounds or nearby park.
- Additional activity sheets

Day 5 - (Teachers): Use chemical water quality testing kits; students will test the water from school storm drains to see if the water quality is optimal for Pacific salmon and other aquatic animals. Students will brainstorm things they can do to help prevent stormwater pollution and manage stormwater and identify something they can act on at school and at home.

Stream Team Communications

2023 Summary Report

Stream Team's Communication Approach

As our jurisdictions grow and change, so does the way people get information. Multimedia communication is essential in today's world. Sharing content in various ways can capture and maintain audience attention and increase engagement more effectively than relying solely on print-based communications. It's also an effective way to promote the Stream Team brand.

Stream Team communication is centered on developing community sense of place and connection to the natural world while offering everyday stewardship actions that people can engage in. To be effective storytellers and engage our entire community, we share Stream Team messaging on multiple platforms. We do this through Facebook and Insta posts, Reels, videos, monthly emails, our website, and our amazing seasonal newsletter!

Key Outcomes for 2023

Changes in metrics between 2022 and 2023:

We saw a small decline in website visitors and social media engagement in 2023 compared to 2022. This is most likely due to fewer events held in 2023, and no contests or giveaways done via social media. The upside to this is we filled all our event spots, and we were able to offer waiting lists or additional events to accommodate those who wanted to participate. We brainstormed ideas to gain traction in 2024 without offering new events. One change we are making is moving BIBI monitoring to the spring and adding spring oyster planting events. This will help round out our seasonal volunteer offerings and improve our workflow. Summer is busy with Marine Creature Mondays, gearing up for Salmon Stewards, and planning salmon related events in the fall.
In 2023, we increased newsletter distribution by tabling various community events (including Cielo events) throughout the year. We identified community events for 2024 that will broaden our audience and geographical reach.

What's going well:

Events - Still our big driver in web and social media traffic. Our social media posts in the fall surrounding salmon are our most popular and drive a lot of web traffic to our home and events web pages.

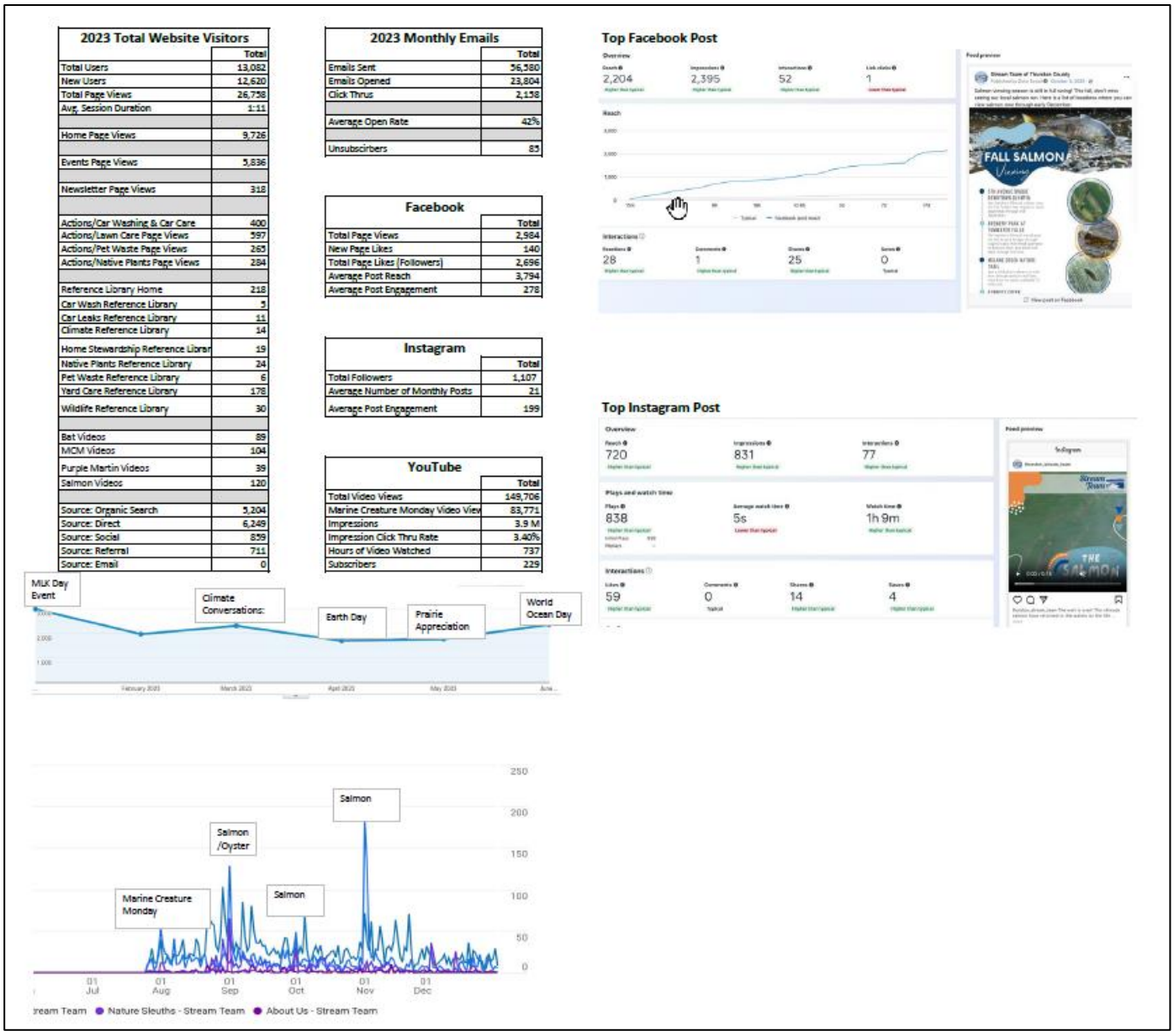
Newsletter - The events page sees a big hit of users at the beginning of each quarter and/or each month when the newsletter/monthly emails are sent out! However, social media is not affected directly by the newsletter or monthly emails as we don't usually direct traffic to social media from those sources. The new 2023 newsletter redesign is very popular! With less text, captivating images and graphics and four-part articles it's had a very positive impact on newsletter readership and engagement.

What could be improved:

Social Media - New/interesting educational components to enhance BMP posts would be ideal. We have been stating the same facts in different ways for the last few years. Bringing in some fresh facts, news stories, etc. to support current best management practices could gain us more traction. This could also mean doing more work in Canva, creating Canva videos, carousel style or static posts. This could also mean reducing our posting frequency from 5/week to 3/week due to the additional hours required.

Website - It's been a few years since the website was revamped. Consider updating each page with new language, links and photos. The Reference Library could use a major overhaul in organization and visual aesthetics - a ton of great information, it just can be very difficult to find. Also, creating the much-discussed Kids' Corner and Business pages will be a great way to provide content and resources to new audiences.

Stream Team Website, Social Media, and Email Analytics



2023 Total Website Visitors

	Total
Total Users	13,082
New Users	12,620
Total Page Views	26,758
Avg. Session Duration	1:11
Home Page Views	9,726
Events Page Views	5,836
Newsletter Page Views	318
Actions/Car Washing & Car Care	400
Actions/Lawn Care Page Views	597
Actions/Pet Waste Page Views	263
Actions/Native Plants Page Views	284
Reference Library Home	218
Car Wash Reference Library	5
Car Leaks Reference Library	11
Climate Reference Library	14
Home Stewardship Reference Librar	19
Native Plants Reference Library	24
Pet Waste Reference Library	6
Yard Care Reference Library	178
Wildlife Reference Library	30
Bat Videos	89
MCM Videos	104
Purple Martin Videos	39
Salmon Videos	120
Source: Organic Search	5,204
Source: Direct	6,249
Source: Social	859
Source: Referral	711
Source: Email	0

2023 Monthly Emails

	Total
Emails Sent	56,580
Emails Opened	23,804
Click Thrus	2,158
Average Open Rate	42%
Unsubscribers	83

Facebook

	Total
Total Page Views	2,984
New Page Likes	140
Total Page Likes (Followers)	2,696
Average Post Reach	3,794
Average Post Engagement	278

Instagram

	Total
Total Followers	1,107
Average Number of Monthly Posts	21
Average Post Engagement	199

YouTube

	Total
Total Video Views	149,706
Marine Creature Monday Video Viev	83,771
Impressions	3.9 M
Impression Click Thru Rate	3.40%
Hours of Video Watched	737
Subscribers	229

South Sound GREEN

Intergovernmental Services Contract for South Sound GREEN

2023 Final Report: City of Olympia

2023 Report
City of Olympia

Event	Number of Students	Number of Teachers	Schools
Student GREEN Congress	94	10	Pioneer Elementary School; Marshall Middle School; ORLA; Lincoln Elementary School; Roosevelt Elementary School; Reeves Middle School
Eye on Nature	91	2	Garfield Elementary School
Nearshore	416	7	Reeves Middle School, Washington Middle School, Jefferson Middle School, Olympia Regional Learning Academy
Restoration	238	9	Roosevelt Elementary School, Olympia Regional Learning Academy, Olympia High School, Marshall Middle School
Salmon Trips	251	10	Marshall Middle School, Roosevelt Elementary School, Olympia Regional Learning Academy, Garfield Elementary School
Teacher PD	0	65	Jefferson Middle School, Washington Middle School, Roosevelt Elementary School, Hansen Elementary School, McKenny Elementary School, Centennial Elementary School, McLane Elementary School, Marshall, Pioneer Elementary School, Lincoln Elementary School, Olympia High School; NOVA Middle School; Avanti High School; Olympia Regional Learning Academy; Reeves Middle School
Water Quality Testing	1345	45	Reeves Middle School, Marshall Middle School, NOVA Middle School, Pioneer Elementary School, Avanti High School, Lincoln Elementary School, Olympia Regional Learning Academy, Roosevelt Elementary School, Centennial Elementary School, Olympia High School, Washington Middle School, Avanti High School, Capital High School, McLane Elementary School

# of Events	Volunteers Engaged	Volunteer Hours	# Web Views
69	234	455.5	2772

South Sound GREEN
Final Report 2023

Program Highlights

Water quality testing

The South Sound GREEN team was kept busy all year responding to requests for watershed education. This demand was driven by a desire to provide field-based experiences for students who may not have had the opportunity since before the pandemic. Overall, **45 teachers and 1345 students** from City of Olympia learned about their watershed and how land use can affect water quality. All water quality studies began with the question, "Is our stream healthy for salmon?" Students learn that water quality parameters are the pieces of a puzzle that give us an overall picture of how water quality in any given water body. Review of the testing parameters (pH, nitrates, turbidity, dissolved oxygen, temperature, and fecal coliform bacteria) includes human and natural sources that can affect these results, a discussion about how the parameters are related to each other (i.e. temperature and dissolved oxygen), and an overview of what conditions are optimal for salmon.

Figure 1: Water quality monitoring day!

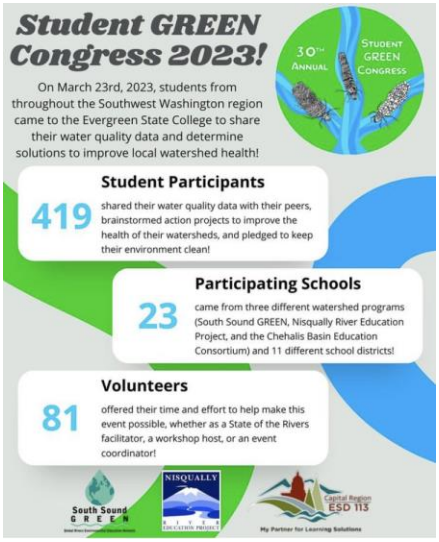


Figure 2: 2023 Congress Infographic

2023 Student GREEN Congress

After months of water quality testing and preparation, students from three different watershed programs (South Sound GREEN, Nisqually River Education Project, and Chehalis Basin Education Consortium) came together at the Evergreen State College campus to share their water quality data and participate in a wide variety of community partner-hosted workshops. And to kick off our 30th Student GREEN Congress event, we had an original water quality themed keynote performance by local clowns and puppeteers! All in all, over **400 (94 from City of Olympia)** students and over 80 volunteers participated in Student GREEN Congress and we couldn't have been happier with how the day went!

Nearshore

Nearshore trips, focused on the marine environment and human impacts to this system were back in full force in 2023. Held at the Meyer's Point Environmental Field Station, Squaxin Park and the Nisqually Reach Nature Center, these trips engaged middle and high school students in exploring the beach while learning about climate impacts to the marine environment and careers in aquaculture, forestry, and wildlife management. **To improve equitable access to this opportunity, every 8th grade science student in the district (416 middle school students in total)** participated in these hands-on lessons that deepened their classroom studies around the nearshore habitat.

Figure 3: Students measure diameter at breast height (DBH)

Figure 4: Summer Institute for Teachers included a visit to the Squaxin Island Tribe's food sovereignty garden

Teacher Professional Development

South Sound GREEN is committed to supporting teachers and providing them with the supplies, materials, and knowledge to be successful. In 2023, South Sound GREEN led professional development opportunities s water quality testing training, Summer Institute for Teachers, a program Assessment and Networking retreat and an Action Summit. Overall, **65 teachers** from City of Olympia participated in these opportunities.

Report compiled and submitted by
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South Sound GREEN (Global Rivers Environmental Education Network) is funded in part through an Interlocal Agreement between Thurston Conservation District, City of Olympia, City of Olympia, City of Tumwater, and Thurston County.

2023 Plankton Monitoring & Community Outreach Final Report

Pacific Shellfish Institute
120 State Avenue NE #1056
Olympia, WA 98501
Tel: (360) 754-2741
E-mail: psi@pacshell.org

2023 Goals & Results

Stream Team partnered with Pacific Shellfish Institute (PSI) to perform its 12th year of the "What's Blooming?" plankton monitoring and community outreach program! The goal of this program is to offer engaging activities that educate the public about local water quality issues and encourage environmental stewardship. Monitoring connects the community to their watershed and inspires participants to take evidence-based actions that reduce stormwater pollution, particularly related to nutrients, bacteria and litter. This year, PSI hosted 12 events – 5 "What's Blooming in Budd?" plankton monitoring events and 7 community events spread between the Olympia (1), Lacey (2), Tumwater (2), and Thurston County (2) jurisdictions.

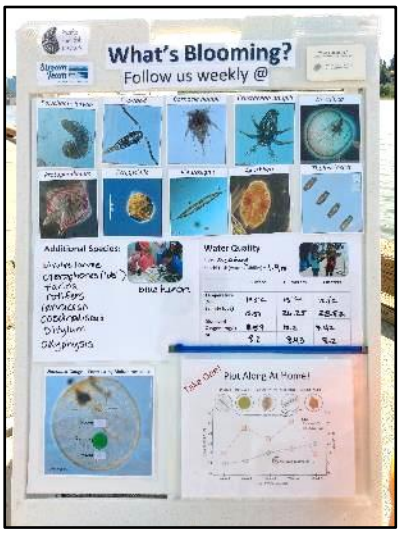
PSI shared information about the "What's Blooming?" and community events on PSI's website (Appendix A), Facebook (Appendix B) and Instagram pages. The 2023 Task Summary includes the number of Contacts (in-person and social media) for the 12 events supported under this contract. PSI also hosted additional "What's Blooming in Budd?" events weekly throughout the year using alternative funding sources. This water quality and plankton summary data are also included in this report.

2023 Task Summary

Task	Date	In-Person	# FB Reach	# IG Reach
World Ocean Day Festival	6/10/23	175	269	377
What's Blooming in Budd? #1	6/22/23	76	999	257
What's Blooming in Budd? #2	7/13/23	82	499	132
What's Blooming in Budd? #3	7/27/23	55	324	123
What's Blooming in Budd? #4	8/3/23	112	244	87
What's Blooming in Budd? #5	9/1/23	108	301	241
TOTAL OLYMPIA		608	2636	1217
Lacey Fish-In	4/15/23	450		
Discover Plankton Workshop - Lacey Timberland Library	9/25/23	28	202	139
TOTAL LACEY		478	202	139
Tumwater Middle School STREAMS Summer Program	7/12 & 7/21	50		
Tumwater Falls Festival	9/30/23	500		
TOTAL TUMWATER		550	0	0
STEM KAMP Family Day - Yelm Middle School	8/12/23	200		
McLane Salmon & Cider Celebration	11/13/23	175	114	105
TOTAL THURSTON COUNTY		375	114	105
GRAND TOTAL	**12 EVENTS**	**2011**	**2952**	**1461**

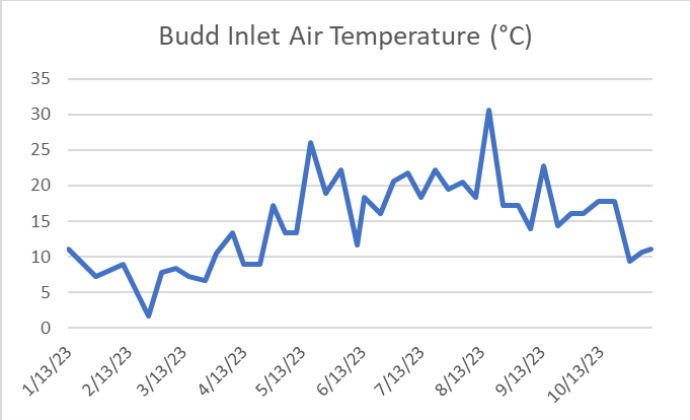
PSI completed a total of 5 “What’s Blooming in Budd?” monitoring events and 7 community outreach events reaching 6,424 individuals – 69% of those being contacts via social media, and 31% (or 2,011) being in-person. PSI posted 12 Facebook and 12 Instagram entries resulting in 4,413 people reached via Facebook (2,952) and Instagram (1,461). PSI also maintained the 4 Discover Plankton Lendable Kits housed at the Lacey, Olympia, and Tumwater Timberland Libraries as part of the Library of Things collection. PSI partnered with StreamTeam to host 2 Discover Plankton workshops at the Tumwater and Lacey Timberland Library branches, 1 of which was funded under this contract (Lacey). Other events supported under this contract included the Lacey Family Fish-In, World Ocean Day Festival, Tumwater Middle School STREAMS Summer Program (2 camp days), Tumwater Falls Festival, STEMKAMP Family Day at Yelm Middle School, and the McLane Salmon & Cider Celebration.

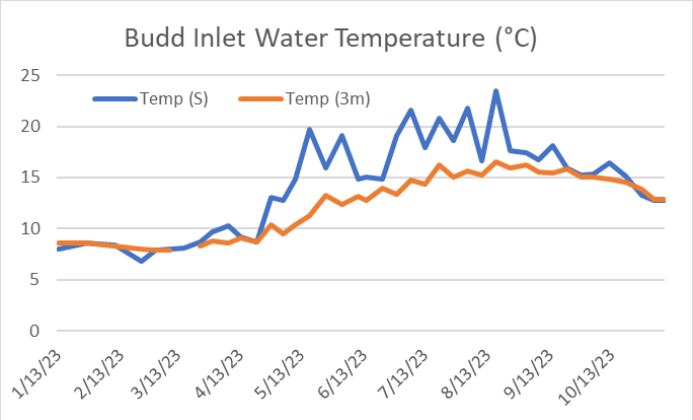
For the “What’s Blooming?” monitoring events, PSI collected water quality and phytoplankton data every Thursday (10-12 AM) between June 22nd and September 1st. The public, in addition to Olympia Community Sailing campers, assisted with plankton and water quality data collection. The plankton were viewed under field microscopes and the results were displayed on an A-frame board left on-site until dusk. Plankton samples were further analyzed in the lab to determine species richness and harmful algal bloom (HAB) concentrations using SoundToxins protocols. SoundToxins is a phytoplankton monitoring program designed to provide early warning of HABs to minimize human health risk and losses to fisheries. Data was entered into NOAA’s SoundToxins phytoplankton monitoring database. The connection between stormwater pollution, downstream water quality, and stewardship was highlighted throughout all events.



Budd Inlet Water Quality Data

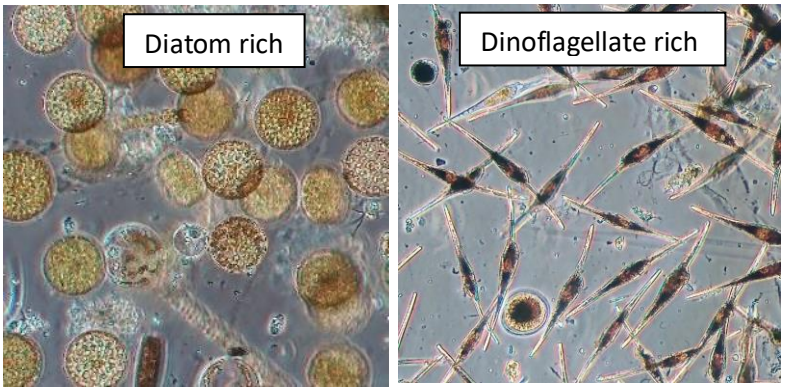
The “What’s Blooming?” program continues to contribute to a long-term data set for Budd Inlet. Thank you, Olympia High School intern, Mia Widrow, for entering/graphing the 2023 data. Air and water temperatures followed the same trend. Air temperatures ranged from 1.7°C (35°F) on 2/23 to 30.55°C (87°F) on 8/17. Water temperatures ranged from 6.8°C (44°F) to



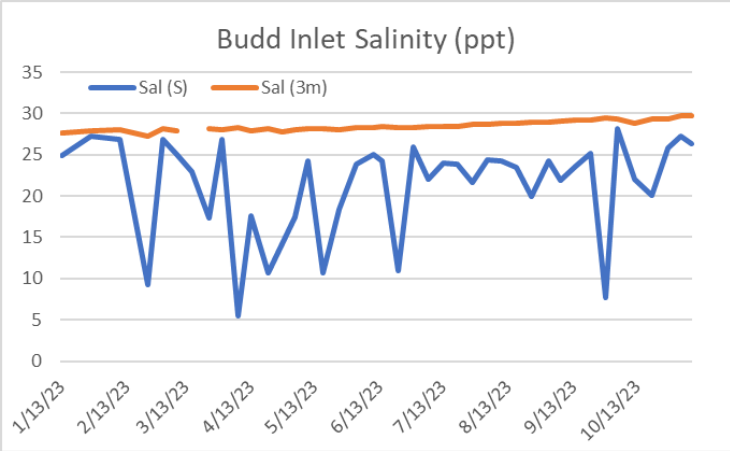


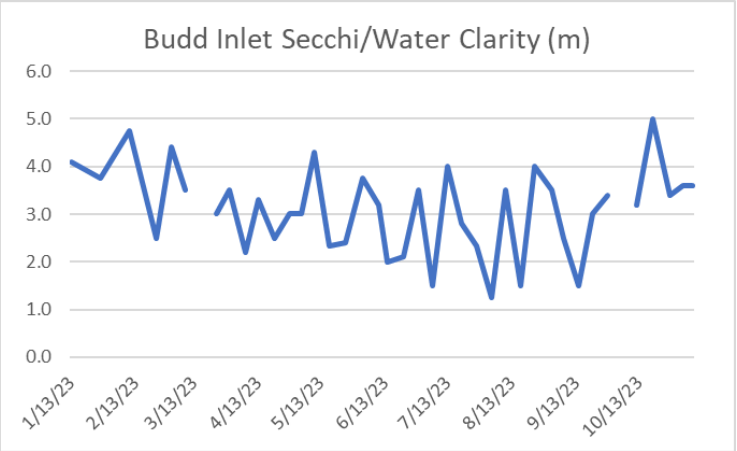
23.5°C (74°F). The Water Temperature chart illustrates how stratified, or layered, Budd Inlet is during the summer months. During this time – when there is a large difference in temperature between the surface and 3m depth – dinoflagellate species dominate the plankton community. Under stratified conditions, diatoms dissipate once they have depleted essential nutrients at the surface. At that time, dinoflagellates begin to flourish since they can migrate to depth (thanks to their flagellas!) to obtain nutrients. In contrast, diatoms dominate the composition during early-spring and late-fall when mixing provides adequate nutrients.

True to form, diatoms dominated the phytoplankton until early-May when the dinoflagellate, *Noctiluca*, appeared. By July, the assemblages shifted to *Akashiwo, Dinophysis*, and *Ceratium*. In October, diatoms increased once more (i.e. *Chaetoceros, Cylindrotheca*) as the water column "turned over" due to dropping temperatures and storms which replenished key nutrients.



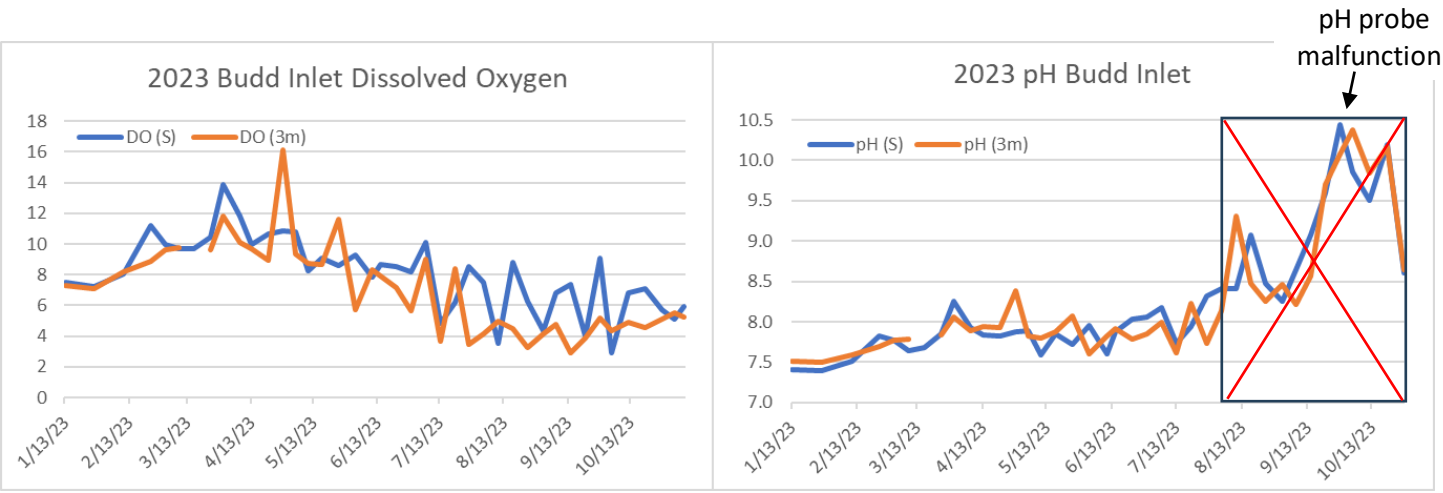
Typical spring (left) and summer (right) phytoplankton assemblages for lower Budd Inlet.





In Budd Inlet, salinity at depth remained stable, increasing slightly throughout the year between 28 and 29 ppt. Surface salinity, on the other hand, fluctuated significantly due to the influence of the Deschutes River dropping as low as 5.5 ppt on 4/7.

Water clarity (m) was highest during winter and late fall and decreased overall (while fluctuating) throughout the summer reaching less than 1.5-meter visibility on several occasions in July, August, and September. During these times, plankton was dominated by *Ceratium*, *Akashiwo*, and to a lesser extent, *Dinophysis* and *Protoceratium*.

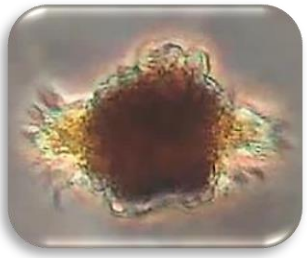


Phytoplankton have a significant influence on dissolved oxygen (DO) and pH levels as they bloom and photosynthesize in the spring (increasing DO and pH) and are decomposed during late summer and early-fall (decreasing DO and pH, particularly at depth). This decrease in DO from spring to fall was clearly observed with DO and pH values peaking on 4/28 at 16.10 mg/L and 8.39 respectively during a *Thalassiosira/Concinodiscus* bloom. DO values reached their lowest on 9/14 at 2.90 mg/L (2.96 mg/l in 2022). Levels below 4 mg/l are stressful to marine life; below 2 mg/l have been shown to cause mortality.

Budd Inlet has long suffered from low oxygen levels in late-summer due to excess nutrients that fuel rich phytoplankton blooms. Preventing nutrient sources such as animal waste and fertilizer – to name a few – from entering the Inlet is a key step in protecting water quality. Unfortunately, the pH probe began malfunctioning in late-July. Beyond that time, the data is not accurate! Don't always believe your instruments!

Harmful Algal Blooms (HABs)

Plankton samples were screened for HAB species including *Dinophysis, Pseudo-nitzschia*, and *Alexandrium*. Additional species including *Akashiwo sanguinea, Protoceratium reticulatum, Noctiluca scintillans* and *Mesodinium rubrum* were also screened as "Species of Concern" or "Interest." *Akashiwo* and *Protoceratium* have been associated with shellfish mortality events; *Noctiluca* is a voracious predator influencing community composition; and *Mesodinium* is an important food source for *Dinophysis*.

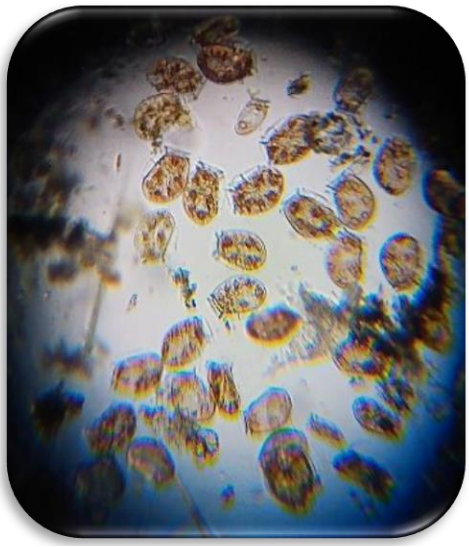


Mesodinium rubrum

Pseudo-nitzschia, the species responsible for Amnesic Shellfish Poisoning (ASP) bloomed on June 14th reaching concentrations that were "too dense to count" using the net tow. Instead, whole water samples (concentrated 10X) were processed yielding 1,356,000 cells/L! The highest concentration detected over the past decade via the "What's Blooming?" program was 22,000 cells/L in 2016. While it is not uncommon for *Pseudo-nitzschia* to bloom in Budd Inlet,

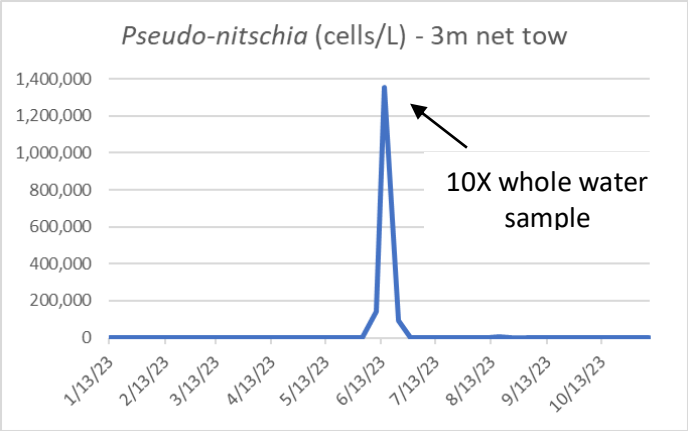
ASP closures are rare in South Sound. In fact, while cells are often present, or even common, they remain non-toxic in this region.

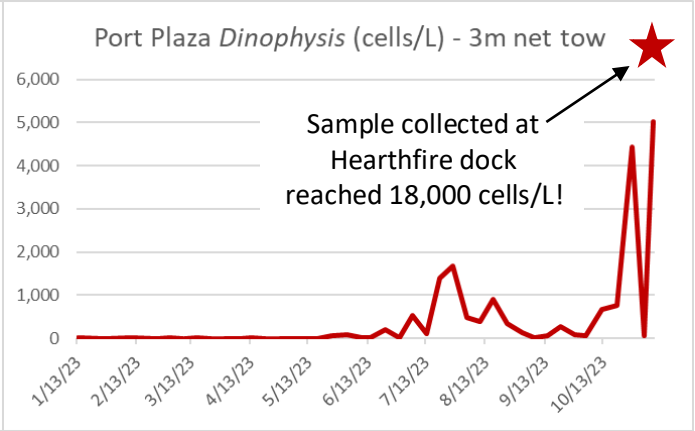
Dinophysis, the species responsible for Diarrhetic Shellfish Poisoning (DSP), bloomed on July 27th at a concentration of 1,667 cells/L. This bloom did not result in a shellfish bed closure. However, a larger bloom on October 30th at 4,400 cells/L reached the closure limit of 16 µg/100 g DSTs (Diarrhetic Shellfish Toxins) in blue mussel tissue. Samples collected the following week reached 5,000 cells/L at Port Plaza and 18,000 cells/L (~60% *D. fortii*, ~40% *D. acuminata*) at the nearby Hearthfire Restaurant dock! As a result, WDOH collected additional mussels which, as of this publication, are being diluted and retested due DST levels exceeding 100 µg/100 g tissue!!!



Halloween Dinophysis bloom captured at the Tumwater Library "Discover Plankton!" workshop!

As we continue to collect information from Budd Inlet, this long-term data provides clues to help answer important questions. For example, 1) When are DSP closures most likely to occur and 2) What species of *Dinophysis* are responsible for toxin production? This summer's *Dinophysis* data contributes to this discussion.





Alexandrium, the species responsible for Paralytic Shellfish Poisoning (PSP) was not found in notable concentrations throughout the entire summer which is consistent with previous years.

Please refer to Appendices A ("What's Blooming?" summaries) and B (Facebook posts) for photos and a detailed description of each week's sampling adventures.

Community Events

In 2023, PSI attended 7 Community events in partnership with StreamTeam. At each of these events, PSI provided fun and education hands on activities related to local water quality, field

monitoring, and environmental stewardship. Activities included mussel filtration and feeding demonstrations, viewing live plankton under microscopes, a “beach cleanup” recycling game, and number of engaging crafts. All events were well attended.

During the summer, PSI hosted 3 days (3 classes) of middle school students from Tumwater’s STREAMS summer school program – 2 of which were funded under this contract. The program was a success and was showcased in several small video clips: https://tinyurl.com/STREAMScamp.

PSI also maintained the Discover Plankton Lendable Kits housed at the Lacey, Tumwater, and Olympia Timberland Library branches as part of the Library of Things collection. PSI partnered with StreamTeam to host 2 Discover Plankton workshops at the Tumwater and Lacey Timberland Library branches, 1 of which was funded under this contract.

Plankton art at the “Discover Plankton!” workshop, Lacey Timberland Library.

Plankton viewing, Lacey Library.

Checking out the Dinophysis bloom, Tumwater Library

Hundreds of people gathered to fish & check out the plankton at the Family Fish-In, Longs Pond, Woodland Creek Park.

World Ocean Day festivities at Heritage Park, Olympia.

Kiddos cleaning up our ocean – trash, recycle or re-use?

The community created an upcycled octopus, discovered "What's Blooming in Budd?", fed plankton to live mussels and learned about recycling, nutrients, & Puget Sound stewardship at World Ocean Day!

STEMKAMP Family Day at Yelm Middle School. Photo on right: Nisqually Valley News.

Tumwater Falls Festival! Approximately 500 folks stopped by to view plankton under microscopes, learn about recycling & nutrients, feed mussels plankton, and learn about the Discover Plankton lendable kits at the Library.

Salmon and Cider at McLane Creek Nature Trail! PSI supported the fun event with plankton viewing, mussel feeding, & stormwater-related crafts.

Acknowledgements

PSI is incredibly grateful to Stream Team for your financial support over the past 13 years! The "What's Blooming in Budd?" data set is now revealing its true colors and being used by researchers and students to better understand water quality and HABs in our local region and promote environmental stewardship. Thank you to the Port of Olympia for supporting research and education at Port Plaza and to Washington SeaGrant for managing the SoundToxins program. Thank you to our student interns, Mia & Shriya, volunteers, Roberta & Jeanne, and all of the plankton enthusiasts that join us each year. See you on the dock!

Quite the plankton bloom at Port Plaza! August 3rd, Budd Inlet.

World Ocean Day festivities at Heritage Park, Olympia.

Mia and Jeanne preparing for the "What's Blooming in Budd?" kickoff event, June 22nd.

Long time volunteer, Roberta, joined us for another fun year of sampling. Thank you, Roberta!

2023 SW Outfalls

IDN	Ownership	LocationDescription	Diameter	Downstream	IsNPDS
556	City of Olympia	East Bay	18"	Budd Inlet	No
560	City of Olympia	East Bay	6"	Budd Inlet	No
561	City of Olympia	East Bay	8"	Budd Inlet	No
579	City of Olympia	Budd	4"	Budd Inlet	No
613	Washington State	Capitol Lake	8"	Lake	No
618	LOTT	Capitol Lake	3"	Lake	No
620	Washington State	Capitol Lake	Unk	Lake	No
621	Washington State	Capitol Lake	12"	Lake	No
622	Washington State	Capitol Lake	Unk	Lake	No
625	Washington State	Capitol Lake	12"	Lake	No
644	City of Olympia	Ken Lake	8"	Lake	No
645	City of Olympia	Ken Lake	8"	Lake	No
646	City of Olympia	Ken Lake	10"	Lake	No
647	City of Olympia	Ken Lake	10"	Lake	No
650	City of Olympia	Ken Lake	12"	Lake	No
651	City of Olympia	Ken Lake	10"	Lake	No
659	Washington State	Capitol Lake	12"	Lake	No
673	City of Olympia	Trillium Park	6"	Kettle	No
675	City of Olympia	Briggs Kettle	12"	Kettle	No
698	City of Olympia	Moxlie Creek	8"	Stream	No
717	City of Olympia	Ellis Creek	12"	Stream	No
718	City of Olympia	Indian Creek	8"	Stream	No
719	Private	Indian Creek	12"	Stream	No
728	Olympia School District	Mission Creek	10"	Stream	No
732	City of Olympia	Mission Creek	12"	Stream	No
735	City of Olympia	Mission Creek	8"	Stream	No
736	Washington State	Capitol Lake	12"	Lake	No
14	City of Olympia	Moxlie Creek	24"	Stream	Yes
546	Private	Percival Creek	36"	Stream	No
573	City of Olympia	East Bay	24"	Budd Inlet	Yes
623	Washington State	Capitol Lake	24"	Lake	Yes
676	City of Olympia	Briggs Kettle	24"	Kettle	Yes
1744	Thurston County	Chambers Ditch	30"	Stream	No
2190	City of Olympia	East Bay	10"	Stream	No
2212	City of Olympia	Moxlie Creek	8"	Stream	No
2215	City of Olympia	Moxlie Creek	8"	Stream	No
2217	City of Olympia	Moxlie Creek	8"	Stream	No
2218	City of Olympia	Cain Rd and Forest Hill Kettle	8"	Kettle	No
2220	City of Olympia	Burnaby Park Lp Kettle	18"	Kettle	No
2223	City of Olympia	Eskridge Blvd Kettle	12"	Kettle	No
2388	City of Olympia	East Bay	30"	Budd Inlet	Yes
2389	City of Olympia	Capitol Lake	24"	Lake	Yes
2472	City of Olympia	Green Cove Creek	24"	Stream	Yes
2478	City of Olympia	Green Cove Creek	8"	Stream	No
2482	City of Olympia	Green Cove Creek	8"	Stream	No
2637	City of Olympia	Percival Creek	10"	Stream	No
3498	City of Olympia Maintained	Moxlie Creek	8"	Stream	No
2379	City of Olympia	Gov Stevens and Mango Kettle	8"	Kettle	No
592	Private	Budd	4"	Budd Inlet	No
583	Private	Budd	8"	Budd Inlet	No
663	Washington State	Capitol Lake	Unk	Lake	No
665	Washington State	Capitol Lake	12"	Lake	No
666	Washington State	Capitol Lake	12"	Lake	No
664	Washington State	Capitol Lake	12"	Lake	No
667	Washington State	Capitol Lake	8"	Lake	No

IDN	Ownership	LocationDescription	Diameter	Downstream	IsNPDS
2680	Washington State	Capitol Lake	Unk	Lake	No
739	Washington State	Percival Creek	24"	Stream	No
726	City of Olympia	Mission Creek	12"	Stream	No
568	City of Olympia	East Bay	10"	Budd Inlet	No
569	City of Olympia	East Bay	6"	Budd Inlet	No
3493	City of Olympia Maintained	Cedars Kettle	6"	Kettle	No
2197	City of Olympia	Indian Creek	10"	Stream	No
724	City of Olympia	Indian Creek	18"	Stream	No
598	City of Olympia	Budd	8"	Budd Inlet	No
611	Washington State	Capitol Lake	8"	Lake	No
648	City of Olympia	Ken Lake	8"	Lake	No
4	Private	Indian Creek	6"	Stream	No
5	Private	Indian Creek	6"	Stream	No
581	City of Olympia	Budd	8"	Budd Inlet	No
582	Private	Budd	8"	Budd Inlet	No
716	City of Olympia	Woodard Creek	8"	Stream	No
639	City of Olympia	Schneider Creek	18"	Stream	No
725	City of Olympia	Indian Creek	12"	Stream	No
658	Washington State	Capitol Lake	6"	Lake	No
668	Washington State	Capitol Lake	16"	Lake	No
626	Washington State	Capitol Lake	12"	Lake	No
627	City of Olympia	West Bay	30"	Budd Inlet	Yes
669	City of Olympia	Capitol Lake	36"	Lake	Yes
595	City of Olympia	West Bay	24"	Budd Inlet	Yes
737	City of Olympia	Percival Creek	10"	Stream	No
1330	City of Olympia	Mission Creek	12"	Stream	No
1738	City of Olympia	Garfield Creek	12"	Stream	No
1745	Thurston County	Chambers Ditch	12"	Stream	No
1746	Thurston County	Chambers Ditch	18"	Stream	No
1747	Thurston County	Chambers Creek	18"	Stream	No
1755	City of Olympia	Indian Creek	8"	Stream	No
2194	City of Olympia	Indian Creek	4"	Stream	No
6699	Private	Schneider Creek	10"	Stream	No
6700	Private	Schneider Creek	6"	Stream	No
6701	Private	Schneider Creek	6"	Stream	No
2227	City of Olympia	Cain Rd and Vista Ave	12"	Kettle	No
2242	City of Olympia	Ward Lake	12"	Lake	No
2273	City within ROW	Briar Lea	18"	Kettle	No
2276	City within ROW	Briar Lea	8"	Kettle	No
2335	Washington State	Woodard Creek	Unk	Kettle	No
2336	Washington State	Woodard Creek	Unk	Kettle	No
2647	Railroad	Percival Creek	24"	Stream	Yes
2667	City of Olympia	Black Lake Ditch	12"	Stream	No
2669	City of Olympia	Black Lake Ditch	12"	Stream	No
3494	City of Olympia	Cedars Kettle	30"	Kettle	Yes
2471	Private	Green Cove Creek	24"	Stream	No
2668	City of Tumwater	Black Lake Ditch	12"	Stream	No
2407	City of Olympia	West Bay	Unk	Stream	
604	Washington State	Capitol Lake	8"	Lake	No
597	City of Olympia	Budd	18"	Budd Inlet	No
2200	City of Olympia	Indian Creek	8"	Stream	No
672	City of Olympia		6"	Unknown	No
653	City of Olympia	Ken Lake	8"	Lake	No
662	Washington State	Capitol Lake	4"	Lake	No
2412	City of Olympia	Garfield Creek	8"	Stream	No
731	Private	Mission Creek	15"	Stream	No
536	City of Olympia	Mission Creek	8"	Stream	No

IDN	Ownership	LocationDescription	Diameter	Downstream	IsNPDS
699	City of Olympia	Moxlie Creek	8"	Stream	No
16347	Port of Olympia	Budd	12"	Budd Inlet	No
16348	Port of Olympia	Budd	12"	Budd Inlet	No
16349	Port of Olympia	Budd	12"	Budd Inlet	No
16350	Port of Olympia	Budd	12"	Budd Inlet	No
16351	Port of Olympia	Budd	Unk	Budd Inlet	
555	Port of Olympia	Budd	12"	Budd Inlet	No
577	Port of Olympia	Budd	30"	Budd Inlet	Yes
15950	Private	Black Lake Ditch	10"	Stream	No
15953	City within ROW	Black Lake Ditch	12"	Stream	No
17153	City of Olympia	Moxlie Creek	6"	Stream	No
17155	City of Olympia	Moxlie Creek	8"	Stream	No
674	Private	Briggs kettle	24"	Kettle	Yes
17159	City of Olympia	Ward Lake	6"	Lake	No
17560	Private	Mission Creek	12"	Stream	No
721	City of Olympia	Indian Creek	36"	Stream	Yes
130	City of Olympia	Budd	24"	Budd Inlet	Yes
635	City of Olympia	Schneider Creek	18"	Stream	No
541	City of Olympia	Percival Creek	8"	Stream	No
2679	City of Olympia	Capitol Lake	24"	Lake	Yes
19963	Private		Unk	Budd Inlet	
23684	Private	West Bay	6"	Stream	No
21168	OPARD	Budd	4"	Budd Inlet	No
586	City of Olympia	Budd	12"	Budd Inlet	No
615	Washington State	Capitol Lake	8"	Lake	No
617	Washington State	Capitol Lake	12"	Lake	No
21970	Washington State	Capitol Lake	6"	Lake	No
614	Washington State	Capitol Lake	36"	Lake	Yes
642	City of Olympia	Schneider Creek	6"	Stream	No
633	City of Olympia	West Bay	Unk	Budd Inlet	
631	City of Olympia	West Bay	15"	Budd Inlet	No
3505	City of Olympia	West Bay	36"	Budd Inlet	Yes
628	City of Olympia	West Bay	6"	Budd Inlet	No
22372	Private	West Bay	24"	Budd Inlet	No
19163	City of Olympia	Budd	6"	Budd Inlet	No
23171	Private	Budd	Other	Budd Inlet	No
2403	City of Olympia	West Bay	18"	Budd Inlet	No
660	City of Olympia	Capitol Lake	24"	Lake	Yes
24773	Washington State	Capitol Lake	12"	Lake	No
1751	City of Olympia	Moxlie Creek	6"	Stream	No
25573	Washington State	Capitol Lake	24"	Lake	Yes
2375	City of Olympia	Trillium Park	6"	Kettle	No
92	City of Olympia	Hazard Lake	8"	Lake	No
671	City of Olympia	Hazard Lake	6"	Lake	No
2405	City of Olympia	West Bay	Unk	Stream	
2234	City of Olympia	Holiday Dr	18"	Kettle	No
636	City of Olympia	Schneider Creek	10"	Stream	No
637	City of Olympia	Schneider Creek	18"	Stream	No
730	City of Olympia	Indian Creek	24"	Stream	Yes
3895	City of Olympia	Indian Creek	8"	Stream	No
2221	City of Olympia	Edskridge Blvd Kettle	12"	Kettle	Yes
27982	City of Olympia	West Bay	12"	Budd Inlet	No
567	City of Olympia	East Bay	12"	Budd Inlet	No
700	City of Olympia	Woodard Creek	8"	Stream	No
702	City of Olympia	Woodard Creek	8"	Stream	No
703	City of Olympia	Woodard Creek	8"	Stream	No
29179	Private	West Bay		Budd Inlet	

IDN	Ownership	LocationDescription	Diameter	Downstream	IsNPDS
29180	Private	West Bay	6"	Budd Inlet	No
29181	City of Olympia	Green Cove Creek	18"	Lake	No
51	City of Olympia	Ward Lake	8"	Lake	No
2216	City of Olympia	Moxlie Creek	30"	Stream	Yes
32404	City of Olympia	Percival Creek	12"	Stream	No
35604	Private	Green Cove Creek	18"	Stream	No
41222	Olympia School District		18"	Kettle	No
41225	Olympia School District	Captiol HS Kettle	6"	Kettle	No
42029	Olympia School District	Captiol HS Kettle	Unk	Kettle	No
554	Port of Olympia	Budd	24"	Budd Inlet	No
44832	Private	Green Cove Creek	8"	Stream	No
655	City of Olympia	Ken Lake	8"	Lake	No
2224	City of Olympia	Burnaby and Cain	10"	Kettle	No
50070	City of Olympia	Cedars Kettle	15"	Disp	No
50471	Olympia School District	Mission Creek	4"	Stream	No
54079	City of Olympia	Green Cove Creek	18"	Stream	No
54080	Private	Percival Creek	12"	Stream	No
2396	City of Olympia	Moxlie Creek	12"	Stream	No
710	City within ROW	Woodard Creek	12"	Stream	No
711	City within ROW	Woodard Creek	12"	Stream	No
712	City within ROW	Woodard Creek	12"	Stream	No
713	City within ROW	Woodard Creek	12"	Stream	No
2450	City of Olympia	Green Cove Creek	18"	Stream	No
722	City of Olympia	Indian Creek	12"	Stream	No
32003	Private	Green Cove Creek	12"	Stream	No
41224	Olympia School District	Captiol HS Kettle	6"	Kettle	No
60562	City of Olympia	Indian Creek	8"	Stream	No
29986	City of Olympia	Indian Creek	12"	Stream	No
61764	Washington State	Capitol Lake	4"	Lake	No
51678	City of Olympia	Indian Creek	12"	Stream	No
22848	Private	Schneider Creek	8"	Stream	No
27983	Thurston County			Budd Inlet	
65010	OPARD	Garfield Creek	36"	Budd Inlet	Yes
27178	City of Olympia	CP32	15"	Budd Inlet	No
535	City of Olympia	Mission Creek	15"	Stream	No
534	City of Olympia	Mission Creek	8"	Stream	No
65818	City of Olympia	Trillium Park	10"	Kettle	No
2179	City of Olympia	Mission Creek	15"	Stream	No
67420	Washington State	Capitol Lake	6"	Lake	No
657	Washington State	Capitol Lake	12"	Lake	No
67822	City within ROW	West Bay	12"	Stream	No
2202	City of Olympia	Indian Creek	8"	Stream	No
69026	City of Olympia	Schneider Creek	18"	Stream	No
69027	City of Olympia	Schneider Creek	12"	Stream	No
69426	City of Olympia	Schneider Creek	8"	Stream	No
69427	City of Olympia	Schneider Creek	8"	Stream	No
69428	City of Olympia	Schneider Creek	10"	Stream	No
69429	City of Olympia	Schneider Creek	10"	Stream	No
69430	City of Olympia	Schneider Creek	Unk	Stream	
69432	City of Olympia	Schneider Creek	10"	Stream	No
69434	City of Olympia	Schneider Creek	8"	Stream	No
69437	City of Olympia	Schneider Creek	6"	Stream	No
69439	City of Olympia	Schneider Creek	6"	Stream	No
69438	City of Olympia	Schneider Creek	6"	Stream	No
69440	City of Olympia	Schneider Creek	6"	Stream	No
52074	City of Olympia	Schneider Creek	24"	Stream	Yes
69441	City of Olympia	Schneider Creek	6"	Stream	No

IDN	Ownership	LocationDescription	Diameter	Downstream	IsNPDS
69442	City of Olympia	Schneider Creek	8"	Stream	No
69443	City of Olympia	Schneider Creek	8"	Stream	No
69449	City of Olympia	Schneider Creek	6"	Stream	No
69451	City of Olympia	Schneider Creek	Unk	Stream	
69452	City of Olympia	Schneider Creek	6"	Stream	No
69454	City of Olympia	Schneider Creek	Unk	Stream	
69455	City of Olympia	Schneider Creek	6"	Stream	No
69456	City of Olympia	Schneider Creek	6"	Stream	No
69457	City of Olympia	Schneider Creek	6"	Stream	No
69458	City of Olympia	Schneider Creek	8"	Stream	No
69459	City of Olympia	Schneider Creek	8"	Stream	No
69460	City of Olympia	Schneider Creek	6"	Stream	No
69461	City of Olympia	Schneider Creek	12"	Stream	No
13528	City of Olympia	Moxlie Creek	6"	Stream	No
26373	City of Olympia	Ellis Creek	12"	Stream	No
72637	Private	Indian Creek	12"	Stream	No
72638	Washington State	Indian Creek		Stream	
2394	City of Olympia	Moxlie Creek	8"	Stream	No
73039	Unknown		12"	Budd Inlet	No
3896	City of Olympia	Mission Creek	4"	Stream	No
73849	City of Olympia	Mission Creek	12"	Stream	No
73850	City of Olympia	Ellis Creek	10"	Stream	No
73851	City of Olympia	Ellis Creek	18"	Stream	No
74250	City of Olympia	Ellis Creek	12"	Stream	No
2682	City of Olympia	Chambers Lake	Other	Lake	No
75049	City of Olympia	Mission Creek	Unk	Stream	
2477	City of Olympia	Green Cove Creek	8"	Stream	No
2473	City of Olympia	Green Cove Creek	12"	Stream	No
695	City of Olympia	Moxlie Creek	8"	Stream	No
690	City of Olympia	Moxlie Creek	Unk	Stream	
684	City of Olympia	Moxlie Creek	6"	Stream	No
692	City of Olympia	Moxlie Creek	12"	Stream	No
7107	Unknown	Moxlie Creek	6"	Stream	No
7108	Unknown	Moxlie Creek	Unk	Stream	
7109	Unknown	Moxlie Creek	Unk	Stream	
691	City of Olympia	Moxlie Creek	6"	Stream	No
7113	Unknown	Moxlie Creek	6"	Stream	No
7110	Unknown	Moxlie Creek	8"	Stream	No
7114	Unknown	Moxlie Creek	10"	Stream	No
7116	Unknown	Moxlie Creek	8"	Stream	No
7117	Unknown	Moxlie Creek	6"	Stream	No
7120	Unknown	Moxlie Creek	6"	Stream	No
7121	Unknown	Moxlie Creek	6"	Stream	No
693	City of Olympia	Moxlie Creek	36"	Stream	Yes
8313	Unknown	Moxlie Creek	6"	Stream	No
8314	City of Olympia	Moxlie Creek	8"	Stream	No
8315	City of Olympia	Moxlie Creek	Unk	Stream	
7919	Unknown	Moxlie Creek	12"	Stream	No
8714	Unknown	Moxlie Creek	8"	Stream	No
8715	Unknown	Moxlie Creek	6"	Stream	No
8316	Unknown	Moxlie Creek	8"	Stream	No
7912	Unknown	Moxlie Creek	6"	Stream	No
682	City of Olympia	Moxlie Creek	12"	Stream	No
688	City of Olympia	Moxlie Creek	10"	Stream	No
687	City of Olympia	Moxlie Creek	6"	Stream	No
689	City of Olympia	Moxlie Creek	6"	Stream	No
8713	City of Olympia	Moxlie Creek	8"	Stream	No

IDN	Ownership	LocationDescription	Diameter	Downstream	IsNPDS
71034	City of Olympia	Indian Creek Bypass	15"	Stream	No
71030	Private	Indian Creek Bypass	8"	Stream	No
71031	Private	Indian Creek Bypass	4"	Stream	No
13527	City of Olympia Maintained	Moxlie Creek	12"	Stream	No
685	City of Olympia	Moxlie Creek	6"	Stream	No
547	City of Olympia	Moxlie Creek	42"	Stream	Yes
22771	City of Olympia	Moxlie Creek	72"	Budd Inlet	Yes
754	City of Olympia	Moxlie Creek	8"	Stream	No
75866	Washington State	Gruen Swale	Unk	Stream	No
76265	Washington State	Gruen Swale	Unk	Stream	No
76267	Washington State	Indian Creek	12"	Stream	No
19563	Port of Olympia	Budd	36"	Budd Inlet	No
76679	City of Olympia	Green Cove Creek	12"	Stream	No
77082	City of Olympia	Moxlie Creek	8"	Stream	No
589	City of Olympia	Budd	30"	Budd Inlet	Yes
69431	City of Olympia	Schneider Creek	10"	Stream	No
69450	City of Olympia	Schneider Creek	6"	Stream	No
69453	City of Olympia	Schneider Creek	6"	Stream	No
48058	Private	Indian Creek	12"	Stream	No
2193	City of Olympia	Indian Creek	18"	Stream	No
750	Private	Indian Creek	12"	Stream	No
78682	Private	Indian Creek	12"	Stream	No
78683	City of Olympia	Indian Creek	Unk	Stream	
748	City of Olympia	Indian Creek	15"	Stream	No
78684	City of Olympia	Indian Creek	12"	Stream	No
749	City of Olympia	Indian Creek	24"	Stream	Yes
78685	City of Olympia	Woodard Creek	12"	Stream	No
78686	Private	Woodard Creek	8"	Stream	No
670	City of Olympia	Hazard Lake	8"	Lake	No
548	City of Olympia	Moxlie Creek	6"	Stream	No
550	City of Olympia	Moxlie Creek	8"	Stream	No
551	City of Olympia	Moxlie Creek	6"	Stream	No
552	City of Olympia	Moxlie Creek	10"	Stream	No
7916	City of Olympia	Moxlie Creek	Unk	Stream	
7915	City of Olympia	Moxlie Creek	12"	Stream	No
7914	City of Olympia	Moxlie Creek	6"	Stream	No
79085	City of Olympia	Moxlie Creek	6"	Stream	No
2413	City of Olympia	Garfield Creek	6"	Stream	No
79485	Private	Percival Creek	6"	Stream	No
1730	Private	Indian Summer Clubhouse	Other	Lake	No
79889	City of Olympia	Indian Summer Golf Course	12"	Lake	No
2399	City of Olympia	Budd	48"	Budd Inlet	Yes
27979	Port of Olympia	Budd	8"	Budd Inlet	No
81885	Private	Budd	4"	Budd Inlet	No
77078	City of Olympia	Capitol Lake	12"	Lake	No
68226	Private	Indian Creek	6"	Stream	No
2174	City of Olympia	Mission Creek	8"	Stream	No
751		Indian Creek	Other	Stream	No
86690	Private	Percival Creek	8"	Stream	No
76678	City of Olympia	Green Cove Creek	18"	Stream	No
88291	City of Tumwater	Deschutes		Stream	No
88292	City of Tumwater	Deschutes		Stream	No
77079	City of Olympia	Capitol Lake	10"	Lake	No
89490	City of Tumwater		Unk	Kettle	No
89491	City of Tumwater		Unk	Kettle	No
89498	City of Tumwater	Percival Creek	Unk	Stream	No
744	City of Tumwater	Percival Creek	8"	Stream	No

IDN	Ownership	LocationDescription	Diameter	Downstream	IsNPDS
89890	City of Olympia	Meridian Reservoir	18"	Stream	No
25173	Washington State	Capitol Lake	24"	Lake	Yes
25174	Washington State	Capitol Lake	Unk	Lake	No
21169	OPARD	Budd	6"	Budd Inlet	No
91493	City of Tumwater	Briggs Kettle		Kettle	No
91494	City of Tumwater	Briggs Kettle		Kettle	No
2409	City of Olympia	CP32	6"	Stream	No
727	Olympia School District	Mission Creek	15"	Stream	No
532	City of Olympia	Mission Creek	12"	Stream	No
48057	Private	Indian Creek	12"	Stream	No
95900	City of Olympia	Moxlie Creek	8"	Stream	No
2201	City of Olympia	Indian Creek	12"	Stream	No
681	City of Olympia	Moxlie Creek	15"	Stream	No
608	City of Olympia	Capitol Lake	36"	Lake	Yes
97505	City of Olympia	Ellis Creek	10"	Stream	No
2378	City of Olympia		6"	Kettle	No
2436	City of Olympia	Schneider Creek	8"	Stream	No
98305	Washington State	West Bay Log Yard	Other	Budd Inlet	No
98306	Washington State	West Bay Log Yard	Other	Budd Inlet	No
2421	City of Olympia	West Bay	12"	Stream	No
2404	City of Olympia	Schneider Creek	8"	Stream	No
72232	Private	Percival Creek	12"	Stream	No
99505	Washington State	Capitol	Other	Lake	No
2414	City of Olympia	Garfield Creek	18"	Stream	No
2488	City of Olympia	Green Cove Creek	12"	Stream	No
654	City of Olympia	Ken Lake	8"	Lake	No
652	City of Olympia	Ken Lake	24"	Lake	Yes
729	City of Olympia	Ellis Creek	12"	Stream	No
57322	Private	Ellis Creek	18"	Stream	No
99906	Washington State	Woodard Creek	Other	Budd Inlet	No
99907	City of Olympia	Ellis Creek	10"	Stream	No
69433	City of Olympia	Schneider Creek	8"	Stream	No
69448	City of Olympia	Schneider Creek	6"	Stream	No
69447	City of Olympia	Schneider Creek	6"	Stream	No
69445	City of Olympia	Schneider Creek	6"	Stream	No
69444	City of Olympia	Schneider Creek	6"	Stream	No
69435	City of Olympia	Schneider Creek	6"	Stream	No
69436	City of Olympia	Schneider Creek	6"	Stream	No
643	City of Olympia	Ken Lake	8"	Lake	No
100707	City of Olympia		12"	Stream	No
1737	City of Olympia	Garfield Creek	12"	Stream	No
2199	City of Olympia	Indian Creek	6"	Stream	No
55701	City of Olympia	Indian Creek	12"	Stream	No
2198	City of Olympia	Indian Creek	12"	Stream	No
1754	City of Olympia	Indian Creek	6"	Stream	No
2653	City of Olympia	Black Lake Ditch	8"	Stream	No
15947	City of Olympia	Black Lake Ditch	12"	Stream	No
103114	Private		8"	Kettle	No
2328	City of Olympia	Woodard Creek	24"	Stream	Yes
2327	City of Olympia	Woodard Creek	24"	Stream	Yes
2192	City of Olympia	Indian Creek	8"	Stream	No
2376	City of Olympia	Trillium Park	6"	Kettle	No
105122	City of Olympia	Woodard Creek	6"	Stream	No
2416	City of Olympia	West Bay	12"	Stream	No
106723	Washington State	Capitol Lake	18"	Lake	No
14737	City of Olympia	Budd	12"	Budd Inlet	No
1749	City of Olympia	Moxlie Creek	10"	Stream	No

IDN	Ownership	LocationDescription	Diameter	Downstream	IsNPDS
95901	City of Olympia	Moxlie Creek	12"	Stream	No
76266	City of Olympia	Indian Creek	24"	Stream	Yes
98309	City of Olympia	Schneider Outfall	27"	Budd Inlet	Yes
77083	City of Olympia	Moxlie Creek	18"	Stream	No
2395	City of Olympia	Moxlie Creek	6"	Stream	No
2366	City of Olympia		18"	Kettle	No
107526	City within ROW		8"	Kettle	No
58540	City within ROW	Green Cove Creek	8"	Lake	No
71033	City of Olympia	Indian Creek Bypass	10"	Stream	No
5896	City of Olympia	Ken Lake	21"	Lake	No
649	City of Olympia	Ken Lake	36"	Lake	Yes
106327	City of Olympia	Capitol Lake	Unk	Lake	
77084	City of Olympia	Moxlie Creek	18"	Stream	No
77085	Washington State	Moxlie Creek	18"	Stream	No
77087	Washington State	Moxlie Creek	12"	Stream	No
77086	Washington State	Moxlie Creek	12"	Stream	No
106326	Washington State	Capitol Lake	6"	Lake	No
106325	Washington State	Capitol Lake	12"	Lake	No
106332	City of Tumwater	Capitol		Lake	No
106333	City of Tumwater	Capitol		Lake	No
106334	City of Tumwater	Capitol		Lake	No
106331	City of Tumwater	Deschutes		Stream	No
106330	City of Tumwater	Deschutes		Stream	No
106328	City of Tumwater	Deschutes		Stream	No
106329	City of Tumwater	Deschutes		Stream	No
69463	Private	Schneider Creek	8"	Stream	No
64572	City of Olympia	West Bay	6"	Stream	No
638	City of Olympia	Schneider Creek	24"	Stream	Yes
2434	City of Olympia	Schneider Creek	12"	Stream	No
640	City of Olympia	Schneider Creek	18"	Stream	No
108328		Schneider Creek	12"	Stream	No
2661		Black Lake Ditch	24"	Stream	Yes
108329	City of Olympia	Black Lake Ditch	8"	Stream	No
71432	Thurston County	Green Cove Creek	12"	Stream	No
17154	Thurston County	Green Cove Creek	18"	Stream	No
694	City of Olympia	Moxlie Creek	42"	Stream	Yes
680	City of Olympia	Moxlie Creek - 5th & Chestnut	12"	Stream	No
683	City of Olympia	Moxlie Creek	12"	Stream	No
563	City of Olympia	East Bay	8"	Budd Inlet	No
564	City of Olympia	East Bay	6"	Budd Inlet	No
109127	City of Olympia	East Bay	18"	Budd Inlet	No
565	City of Olympia	East Bay	10"	Budd Inlet	No
571	City of Olympia	East Bay	6"	Budd Inlet	No
607	Washington State	Capitol Lake	12"	Lake	No
21569	Washington State	Capitol Lake	6"	Lake	No
21969	Washington State	Capitol Lake	Unk	Lake	No
600	City of Olympia	Capitol Lake	12"	Lake	No
599	Washington State	Capitol Lake	8"	Lake	No
601	City of Olympia	Capitol Lake	8"	Lake	No
602	Washington State	Capitol Lake	6"	Lake	No
603	Washington State	Capitol Lake	12"	Lake	No
606	Washington State	Capitol Lake	12"	Lake	No
609	Washington State	Capitol Lake	12"	Lake	No
612	Washington State	Capitol Lake	12"	Lake	No
109527		Ellis	Other	Stream	No
593	City of Olympia	Budd	8"	Budd Inlet	No
2397	City of Olympia	Budd	12"	Budd Inlet	No

IDN	Ownership	LocationDescription	Diameter	Downstream	IsNPDS
720	City of Olympia	Indian Creek	8"	Stream	No
3500	City of Olympia Maintained	Moxlie Creek	8"	Stream	No
71032	Private	Indian Creek Bypass	12"	Stream	No
594	Private	Budd	8"	Budd Inlet	No
590	City of Olympia	Budd	6"	Budd Inlet	No
2400	City of Olympia	Budd	6"	Budd Inlet	No
584	City of Olympia	Budd	8"	Budd Inlet	No
591	City of Olympia	Budd	12"	Budd Inlet	No
110727	Private	Percival Creek	Unk	Stream	
111127	City of Olympia		6"	Kettle	No
111128	City of Olympia	Mango Kettle	6"	Kettle	No
111927	Washington State		18"	Lake	No
111928	Washington State		48"	Lake	Yes
111930	Thurston County		10"	Stream	No
111929			18"	Stream	No
112727	Washington State	Indian Creek	Unk	Stream	No
533	City of Olympia	Mission Creek	18"	Stream	No
580	City of Olympia	Budd	8"	Budd Inlet	No
115128	City of Olympia	Moxlie	8"	Stream	No
562	City of Olympia	East Bay	18"	Budd Inlet	No
566	City of Olympia	East Bay	6"	Budd Inlet	No
570	City of Olympia	East Bay	12"	Budd Inlet	No
572	City of Olympia	East Bay	15"	Budd Inlet	No
574	City of Olympia	East Bay	24"	Budd Inlet	Yes
559	City of Olympia	East Bay	6"	Budd Inlet	No
27984	City of Olympia	Mission Creek	18"	Budd Inlet	No
2191	City of Olympia	East Bay	6"	Stream	No
65012	Washington State	Indian Creek	Unk	Stream	Yes
115928	City of Olympia	Briggs West	12"	Kettle	No
115930	Private		8"	Stream	No
115931	Private		4"	Stream	No
1748	Private	Moxlie Creek	8"	Stream	Yes
610	City of Olympia	Capitol Lake	24"	Lake	Yes
116333	Private		8"	Stream	No
115932	City of Olympia	Schneider Creek	4"	Stream	No
116736	City of Olympia	Moxlie Creek	6"	Stream	No
746	City of Olympia	Moxlie Creek	6"	Stream	No
75865	City of Olympia	Garfield Creek	8"	Stream	No
753	City within ROW	Moxlie Creek	8"	Stream	No
116738	City of Olympia	Moxlie Creek	6"	Stream	No
117136	City of Olympia	Indian Creek	6"	Stream	No
71833	Private	Green Cove Creek	10"	Stream	No
117941	Private		12"		
117942	City of Olympia		8"		
2341	City of Olympia	Woodard Creek	10"	Stream	No
118341	Washington State	Moxlie Creek	24"	Stream	Yes
118343	City of Olympia	Moxlie Creek	18"	Stream	No
118346	City of Olympia	Indian Creek	12"	Stream	No
118741	City of Olympia	Holiday Dr	6"	Kettle	No
118742	City of Olympia	Holiday Dr	6"	Kettle	No
119141	Washington State	Moxlie Creek	Unk	Stream	No
119541	Private		12"		
121541	Washington State	Indian Creek	Unk	Stream	No
121941	Private	Indian Creek	6"	Stream	No
121942	City of Olympia				
121943	City of Olympia				
41223	Olympia School District	Captiol HS Kettle	24"	Kettle	No

IDN	Ownership	LocationDescription	Diameter	Downstream	IsNPDS
41226	Olympia School District	Captiol HS Kettle	15"	Kettle	No
605	City of Olympia	Capitol Lake	6"	Lake	No
2196	City of Olympia	Indian Creek	8"	Stream	No
697	City of Olympia	Moxlie Creek	10"	Stream	No
2195	City of Olympia	Indian Creek	6"	Stream	No
18363	City of Olympia	Ken Lake	8"	Lake	No
596	City of Olympia	Budd	6"	Budd Inlet	No
124348	City of Olympia	Schneider Creek	8"	Stream	No
124748	City of Olympia	Frederick Street SE	Other	Stream	
125148	City of Olympia		12"		

2023 Spills

Incident discovered	Beginning response	End response	How Discovered or reported	Discharge to MS4	Address or Intersection	Pollutants Identified	Source or Cause	Source tracing approach(es) used	Correction/elimination methods used
7/10/2023	7/10/2023	7/10/2023	Pollution hotline (phone, web, app)	No, None Found	1902 Wilson	Fuel and/or vehicle related fluids	Other accident/spill	Observation (color/sheen/turbidity/floatables/odor)	Education/technical assistance
4/13/2023	4/13/2023	4/13/2023	Other agency referral	No, Cleaned Up	Harrison/Cooper Pt Road Intersection	Fuel and/or vehicle related fluids	Other accident/spill	Observation (color/sheen/turbidity/floatables/odor)	Clean-up
8/18/2023	8/18/2023	8/18/2023	Direct report to your staff	No, Cleaned Up	Cambridge Ct	Fuel and/or vehicle related fluids	Other accident/spill	Observation (color/sheen/turbidity/floatables/odor)	Clean-up
2/16/2023	2/16/2023	2/16/2023	Pollution hotline (phone, web, app)	Other: No - Non-Recoverable	Pacific Avenue @ NB I-5 on ramp	Fuel and/or vehicle related fluids	Vehicle collision	Not applicable	Other: Non-recoverable
3/7/2023	3/7/2023	3/7/2023	Pollution hotline (phone, web, app)	Other: No - Nonrecoverable	2710 10th Ct SE	Fuel and/or vehicle related fluids	Unconfirmed, unspecified, or not identified	Observation (color/sheen/turbidity/floatables/odor), Other: Drips from a Vehicle	Other: None recoverable
5/25/2023	5/25/2023	5/25/2023	Pollution hotline (phone, web, app)	No, None Found	822 Olympia Ave NE	Fuel and/or vehicle related fluids	Other accident/spill	Observation (color/sheen/turbidity/floatables/odor)	Other: Non-recoverable
2/24/2023	2/24/2023	2/24/2023	Pollution hotline (phone, web, app)	No, Cleaned Up	Wheeler Avenue Southeast & Eastside Street Southeast,	Fuel and/or vehicle related fluids	Intentional dumping	Observation (color/sheen/turbidity/floatables/odor)	Clean-up
4/21/2023	4/21/2023	4/21/2023	Pollution hotline (phone, web, app)	Yes, Notified Ecology	Ken Lake	Fuel and/or vehicle related fluids	Unconfirmed, unspecified, or not identified	Observation (color/sheen/turbidity/floatables/odor)	Other: Non-recoverable, installed booms around catch basins.
2/17/2023	2/17/2023	2/17/2023	Pollution hotline (phone, web, app), Staff referral	No, Cleaned Up	2200 Boulevard RD	Other: Dry Concrete Mix	Other accident/spill	Observation (color/sheen/turbidity/floatables/odor)	Clean-up
5/21/2023	5/21/2023	5/21/2023	Other agency referral	No, Cleaned Up	1111 copper point rd sw	Fuel and/or vehicle related fluids	Vehicle collision	Observation (color/sheen/turbidity/floatables/odor)	Clean-up
4/18/2023	4/18/2023	4/18/2023	Other agency referral, Other: NRC Spill Report	No, None Found	1022 Marine Dr NE	Other: Sheen in Budd Inlet	Unconfirmed, unspecified, or not identified	Observation (color/sheen/turbidity/floatables/odor)	Other: Nothing discharging from MS4, No Action to Clean-up taken
2/15/2023	2/15/2022	2/15/2022	Pollution hotline (phone, web, app)	No, Cleaned Up	304 Olympia Ave NE	Fuel and/or vehicle related fluids	Unconfirmed, unspecified, or not identified, Other: broken down leaking vehicle	Observation (color/sheen/turbidity/floatables/odor)	Clean-up, Other: Put pads down. Worked with Homeless Response Team to move vehicle.
1/12/2023	1/12/2023	1/1/1900	Pollution hotline (phone, web, app)	Yes, No Notice Required	1215 Marion St. NE	Fuel and/or vehicle related fluids	Other accident/spill	Observation (color/sheen/turbidity/floatables/odor)	Education/technical assistance, Enforcement
5/18/2023	5/18/2023	5/18/2023	Pollution hotline (phone, web, app)	Other: No - non-recoverable	502 Adams St SE	Fuel and/or vehicle related fluids	Other accident/spill	Observation (color/sheen/turbidity/floatables/odor)	Other: non-recoverable
1/10/2023	1/10/2023	1/10/2023	Pollution hotline (phone, web, app)	Other: No - non recoverable sheen	1217 Marion Street, NE	Fuel and/or vehicle related fluids	Other accident/spill	Observation (color/sheen/turbidity/floatables/odor)	Other: Non-recoverable sheen

Incident discovered	Beginning response	End response	How Discovered or reported	Discharge to MS4	Address or Intersection	Pollutants Identified	Source or Cause	Source tracing approach(es) used	Correction/elimination methods used
1/26/2023	1/26/2023	1/26/2023	Pollution hotline (phone, web, app)	No, Cleaned Up	4230 Kasey Keller Dr	Fuel and/or vehicle related fluids, Sewage/septage/pet waste/human waste, Other wastewater	Intentional dumping, Other: Rv's from homeless camp	Observation (color/sheen/turbidity/floatables/odor)	Clean-up, Add or modify operational source control BMP
12/11/2023	12/11/2023	12/11/2023	ERTS referral	No, None Found	Miller Ave NE	Sediment/soil	Unconfirmed, unspecified, or not identified	Observation (color/sheen/turbidity/floatables/odor)	Education/technical assistance, Referred to other agency or department
2/27/2023	2/27/2023	2/28/2023	Pollution hotline (phone, web, app), Direct report to your staff	No, None Found	1215 Marion St NE	Unconfirmed, unspecified, or not identified, Fuel and/or vehicle related fluids, Other: Nothing found	Unconfirmed, unspecified, or not identified, Other accident/spill	Not applicable	Other: Nothing found
4/20/2023	4/20/2023	4/20/2023	Pollution hotline (phone, web, app)	No, Cleaned Up	Canterbury Place & Cambridge Ln	Fuel and/or vehicle related fluids	Vehicle-related business	Observation (color/sheen/turbidity/floatables/odor)	Clean-up, Add or modify structural source control BMP
6/6/2023	6/6/2023	6/6/2023	Direct report to your staff	No, Cleaned Up	Artesian Well	Fuel and/or vehicle related fluids	Other accident/spill	Observation (color/sheen/turbidity/floatables/odor)	Clean-up
2/16/2023	2/16/2023	2/16/2023	Pollution hotline (phone, web, app)	Other: No - not applicable	2740 Pacific Ave SE	Other: Not A Spill - Filamentous Algae	Other: not applicable	Observation (color/sheen/turbidity/floatables/odor)	Other: not applicable
1/12/2023	1/12/2023	1/12/2023	Pollution hotline (phone, web, app)	Yes, Notified Health	1100 Plum St SE	Sewage/septage/pet waste/human waste	Other: improper discharge into sewer .rags, trash	Map analysis	Clean-up, Education/technical assistance, Other: Televise SSGM 3838
12/15/2023	12/15/2023	12/15/2023	Direct report to your staff, Staff referral	No, Cleaned Up	2020 Josie Lynn Ct SE	Fuel and/or vehicle related fluids	Construction activity	Observation (color/sheen/turbidity/floatables/odor)	Clean-up, Education/technical assistance
9/6/2023	9/6/2023	9/6/2023	Pollution hotline (phone, web, app), Other agency referral	No, None Found	3121 Pacific Ave SE	Unconfirmed, unspecified, or not identified	Other: Unconfirmed	Other: Unconfirmed	Referred to other agency or department, Other: Referred to Source Control Program
9/25/2023	9/25/2023	9/25/2023	Staff referral, Other: OPD dispatch call, vehicle accident		Crosby Road/Cooper Point - Hwy101 Overpass	Fuel and/or vehicle related fluids	Vehicle collision	Observation (color/sheen/turbidity/floatables/odor)	Clean-up
2/21/2023	2/21/2023	2/22/2023	Pollution hotline (phone, web, app)	No, Cleaned Up	3304 Woodside Ct NE	Sewage/septage/pet waste/human waste	Unconfirmed, unspecified, or not identified, Other: Suspected STEP pressure main leak	Observation (color/sheen/turbidity/floatables/odor)	Clean-up, Add or modify operational source control BMP, Other: Excavation to repair STEP main as necessary
4/20/2023	4/20/2023	4/20/2023	Pollution hotline (phone, web, app)	No, Cleaned Up	621 State Ave NE	Fuel and/or vehicle related fluids	Unconfirmed, unspecified, or not identified	Observation (color/sheen/turbidity/floatables/odor)	Clean-up
8/3/2023	8/3/2023	8/3/2023	Direct report to your staff	No, None Found	2309 Wedgewood dr se	Other: Pressure washer sediment from driveway	Other: Cleaning driveway with pressure washer	Observation (color/sheen/turbidity/floatables/odor)	Education/technical assistance
2/6/2023	2/6/2023	2/6/2023	Pollution hotline (phone, web, app)	No, Cleaned Up	1873 Prospect Ave NE	Other wastewater	Other: Appears to be a possible blocked side sewer	Not applicable	Clean-up, Education/technical assistance, Referred to other agency or department

Incident discovered	Beginning response	End response	How Discovered or reported	Discharge to MS4	Address or Intersection	Pollutants Identified	Source or Cause	Source tracing approach(es) used	Correction/elimination methods used
5/1/2023	5/1/2023	5/1/2023	Pollution hotline (phone, web, app)	No, Cleaned Up	3625 Nissing Way SE	Other: Concrete Wash-Out	Mobile business, Construction activity	Observation (color/sheen/turbidity/floatables/odor)	Clean-up, Education/technical assistance
6/9/2023	6/9/2023	6/13/2023	Pollution hotline (phone, web, app)	No, None Found	701 W Bay Dr NW	Unconfirmed, unspecified, or not identified	Unconfirmed, unspecified, or not identified	Not applicable	Other: No action taken
3/21/2023	3/21/2023	3/21/2023	Pollution hotline (phone, web, app), Staff referral	No, Cleaned Up	336 Decatur St NW	Fuel and/or vehicle related fluids	Other accident/spill	Observation (color/sheen/turbidity/floatables/odor)	Clean-up, Education/technical assistance
3/16/2023	3/16/2023	3/16/2023	Staff referral	Yes, No Notice Required	1601 Quasar Way, NE	Other: Dry Wall Mud & Water Mixture	Intentional dumping	Observation (color/sheen/turbidity/floatables/odor)	Clean-up, Education/technical assistance
6/26/2023	6/25/2023	6/26/2023	Pollution hotline (phone, web, app)	No, Cleaned Up	409 Columbia St SE	Food-related oil/grease, Sewage/septage/pet waste/human waste, Other: Sewer mainline backup/overflow at cleanout due to grease blockage	Food-related business, Other: sewer mainline backup/overflow at cleanout due to grease blockage	Observation (color/sheen/turbidity/floatables/odor)	Clean-up
3/23/2023	3/23/2023	3/23/2023	Other: Reported via QAlert and then transferred to Daupler	No, Cleaned Up	131 Olympia Ave	Fuel and/or vehicle related fluids	Vehicle-related business	Observation (color/sheen/turbidity/floatables/odor)	Clean-up
8/24/2023	8/24/2023	8/24/2023		Other: No - discharge to ground, no runoff, did not reach MS4	3406 12th Ave NE	Sewage/septage/pet waste/human waste	Other: Broken Pipe	Observation (color/sheen/turbidity/floatables/odor), Dye, smoke, or pressure testing	Clean-up
9/29/2023	9/29/2023	9/29/2023	Direct report to your staff	No, Cleaned Up	612 5th Avenue, SW	Fuel and/or vehicle related fluids	Vehicle-related business	Observation (color/sheen/turbidity/floatables/odor)	Clean-up
3/20/2023	3/17/2023	3/17/2023	Other: Spill wasn't reported to staff at time of sewer backup. Caller followed up with report of sewer spill on 3/20/23. This inspection is in response to that call.	No, Cleaned Up	3587 Martin way SE	Sewage/septage/pet waste/human waste	Other: Roots growing into sewer line	Observation (color/sheen/turbidity/floatables/odor)	Clean-up
5/9/2023	5/9/2023	5/9/2023	Direct report to your staff	Yes, No Notice Required	2128 RW Johnson Blvd SW	Fuel and/or vehicle related fluids	Other: 1 gallon oil container with waste oil left along side of road	Observation (color/sheen/turbidity/floatables/odor)	Clean-up
9/25/2023	9/25/2023	9/25/2023	Staff referral		601 4th ave E. Olympia wa	Paint	Unconfirmed, unspecified, or not identified	Observation (color/sheen/turbidity/floatables/odor)	Clean-up
3/23/2023	3/23/2023	3/23/2026	Direct report to your staff	No, Cleaned Up	1401 Eastside St SE	Fuel and/or vehicle related fluids	Vehicle-related business	Observation (color/sheen/turbidity/floatables/odor)	Clean-up
8/7/2023	8/7/2023	8/7/2023	Staff referral, Other: Staff observation in field	No, Cleaned Up	2203 wheeler ave se	Paint	Unconfirmed, unspecified, or not identified, Intentional dumping	Observation (color/sheen/turbidity/floatables/odor)	Clean-up, Enforcement

Incident discovered	Beginning response	End response	How Discovered or reported	Discharge to MS4	Address or Intersection	Pollutants Identified	Source or Cause	Source tracing approach(es) used	Correction/elimination methods used
9/27/2023	9/27/2023	9/27/2023	ERTS referral, Other: ERTS#725726	No, Cleaned Up	206 McCormick St NE	Other: mineral oil leaking from a power pole transformer that was hit by a tree and knocked over.	Other: high winds and weather knocked over a tree which fell on the power pole.	Observation (color/sheen/turbidity/floatables/odor)	Clean-up, Add or modify treatment BMP, Other: cleaning of catch basins
3/9/2023	3/9/2023	3/9/2023	Pollution hotline (phone, web, app)	Yes, No Notice Required	3200 Pacific Avenue, SE	Soap or cleaning chemicals	Other: coffee shop	Observation (color/sheen/turbidity/floatables/odor)	Education/technical assistance, Referred to other agency or department
11/9/2023	11/9/2023	11/9/2023	Staff referral	Yes, No Notice Required	14 ave se and lybarger	Sediment/soil	Construction activity	Observation (color/sheen/turbidity/floatables/odor)	Clean-up
8/21/2023	8/21/2023	8/21/2023	Staff referral	Yes, Notified Ecology	615 Lilly Rd NE	Sewage/septage/pet waste/human waste	Other accident/spill	Observation (color/sheen/turbidity/floatables/odor)	Clean-up
10/2/2023	10/2/2023	10/2/2023	Staff referral	No, Cleaned Up	Wiggins rd and Morse merryman	Fuel and/or vehicle related fluids	Vehicle collision	Observation (color/sheen/turbidity/floatables/odor)	Clean-up
9/22/2023	9/22/2023	9/22/2023	Pollution hotline (phone, web, app)	Other: No - non-recoverable oil staining	1316 Eastside St NE	Fuel and/or vehicle related fluids	Other accident/spill	Observation (color/sheen/turbidity/floatables/odor)	Other: Unable to contact vehicle owner
10/23/2023	10/23/2023	10/23/2023	Staff referral	No, Cleaned Up	1125 12th Ave SE	Unconfirmed, unspecified, or not identified	Unconfirmed, unspecified, or not identified	Observation (color/sheen/turbidity/floatables/odor)	Clean-up, Enforcement
8/23/2023	8/24/2023	8/24/2023	Pollution hotline (phone, web, app)	No, None Found	345 Cooper Pt Rd NW	Paint	Unconfirmed, unspecified, or not identified	Other: None Found	Other: None Found
10/6/2023	10/6/2023	10/6/2023	Staff referral	No, Cleaned Up	114 Columbia St NW	Food-related oil/grease	Food-related business	Observation (color/sheen/turbidity/floatables/odor)	Clean-up
3/27/2023	3/27/2023	3/27/2023	Pollution hotline (phone, web, app)	No, None Found	1919 Evergreen Park Drive, SW	Solid waste/trash		Not applicable	Referred to other agency or department
5/11/2023	1/1/1900	5/11/2023	Staff referral	No, None Found	2202 4th Ave E	Other wastewater	Intentional dumping	Observation (color/sheen/turbidity/floatables/odor)	Education/technical assistance
9/25/2023	9/25/2023	9/25/2023	Staff referral	Yes, No Notice Required	601 4th ave e	Paint	Unconfirmed, unspecified, or not identified	Observation (color/sheen/turbidity/floatables/odor)	Clean-up
10/20/2023	10/20/2023	10/20/2023	Staff referral	No, Cleaned Up		Fuel and/or vehicle related fluids	Vehicle collision	Observation (color/sheen/turbidity/floatables/odor)	Clean-up
10/12/2023	10/12/2023	10/12/2023	Pollution hotline (phone, web, app), Other: Olympia Police Department	No, Cleaned Up	Lilly Road, NE and 23rd	Fuel and/or vehicle related fluids	Vehicle collision	Observation (color/sheen/turbidity/floatables/odor)	Clean-up
3/31/2023	3/31/2023	3/31/2023	Other: neighbor	No, Cleaned Up	1217 Marion St NE	Fuel and/or vehicle related fluids	Vehicle-related business	Observation (color/sheen/turbidity/floatables/odor)	Education/technical assistance

Incident discovered	Beginning response	End response	How Discovered or reported	Discharge to MS4	Address or Intersection	Pollutants Identified	Source or Cause	Source tracing approach(es) used	Correction/elimination methods used
11/4/2023	11/4/2023	11/4/2023	Pollution hotline (phone, web, app), Other: Daupler call out. Noticed by residents near by	No, Cleaned Up	815 Thomas street nw	Sewage/septage/pet waste/human waste, Other wastewater	Other: Possible root blockage and rainfall	Observation (color/sheen/turbidity/floatables/odor), Map analysis	Clean-up, Other: Used vactor to run line to clear blockage and washed and cleaned up area affected. Contained to the alley. Jetted gravity main 189 and cleaned up spill
12/11/2023	12/11/2023	12/11/2023	Direct report to your staff, Other agency referral	No, Cleaned Up	1600 black lake blvd sw	Fuel and/or vehicle related fluids	Vehicle-related business, Vehicle collision	Observation (color/sheen/turbidity/floatables/odor)	Clean-up
12/2/2023	12/2/2023	12/2/2023	Staff referral, Other agency referral, Other: gas station worker called it in	No, Cleaned Up	1050 Plum St SE	Fuel and/or vehicle related fluids	Unconfirmed, unspecified, or not identified	Observation (color/sheen/turbidity/floatables/odor)	Clean-up, Education/technical assistance
11/14/2023	11/14/2023	11/14/2023	Staff referral	Other: No - Discharged to ground	1320 San Francisco	Sewage/septage/pet waste/human waste	Other: Lateral failure and collapse	Observation (color/sheen/turbidity/floatables/odor)	Clean-up, Other: Repair lateral
11/7/2023	11/7/2023	11/7/2023	Direct report to your staff	No, None Found	4131Martin way E unit 101	Sewage/septage/pet waste/human waste	Other: Homeless activity	Observation (color/sheen/turbidity/floatables/odor)	Clean-up, Enforcement
12/8/2023	12/8/2023	12/8/2023	Direct report to your staff	No, Cleaned Up	806 State Avenue, NE	Solid waste/trash	Unconfirmed, unspecified, or not identified	Observation (color/sheen/turbidity/floatables/odor)	Clean-up, Referred to other agency or department
10/29/2023	10/29/2023	10/29/2023	Pollution hotline (phone, web, app)	Yes, Notified Ecology	Corner 50th Ave SE & Durham Drive	Sewage/septage/pet waste/human waste	Other accident/spill, Other: Check valve in box split due to freezing temperatures	Observation (color/sheen/turbidity/floatables/odor)	Clean-up
11/3/2023	11/3/2023	11/3/2023	ERTS referral, Other: 726521	No, Cleaned Up	2728 Martin Way E	Fuel and/or vehicle related fluids	Other accident/spill	Observation (color/sheen/turbidity/floatables/odor)	Clean-up, Education/technical assistance
12/5/2023	12/5/2023	12/5/2023		Other: No - discharged to combined sewer	516 4th ave	Sewage/septage/pet waste/human waste	Other: SSO during large storm event	Observation (color/sheen/turbidity/floatables/odor)	Clean-up
11/8/2023	11/8/2023	11/8/2023	Direct report to your staff, Staff referral	Yes, Notified Ecology	401 Union Ave SE	Sediment/soil	Construction activity	Observation (color/sheen/turbidity/floatables/odor)	Enforcement
12/26/2023	12/26/2023	12/26/2023	Pollution hotline (phone, web, app)	No, Cleaned Up	1050 plum street se	Fuel and/or vehicle related fluids	Vehicle-related business, Other accident/spill	Observation (color/sheen/turbidity/floatables/odor)	Clean-up
10/17/2023	10/17/2023	10/17/2023	Pollution hotline (phone, web, app)	No, Cleaned Up	2260 Mottman Rd	Fuel and/or vehicle related fluids	Other accident/spill	Observation (color/sheen/turbidity/floatables/odor)	Clean-up
11/29/2023	11/29/2023	11/29/2023	Pollution hotline (phone, web, app)	Yes, Notified Ecology	1107 West Bay Dr NW	Other: Potable drinking water	Other: infrastructure failure	Observation (color/sheen/turbidity/floatables/odor)	Clean-up

2023 Business Source Control Inspections

BusinessName	PhysAddress	Ownership	DOR_NAICS_Primary_Int	NaicsUse	Number of Times Inspected	Enforcement
CITY OF OLYMPIA PARKS	1015 DECATUR ST SW	OPARD		park	1	No
CITY OF OLYMPIA PARKING SVC	416 5TH AVE SE	Oly		public parking	1	No
CITY OF OLYMPIA FIRE STATION	3525 STOLL RD SE	OFD		fire station	1	No
CITY OF OLYMPIA PARKS	1600 EASTSIDE ST SE	OPARD		park	1	No
CITY OF OLYMPIA PARKS	505 BING ST NW	OPARD		park	1	No
CITY OF OLYMPIA FIRE STATION	100 EASTSIDE ST NE	OFD		fire station	1	No
CITY OF OLYMPIA PARKING SVC	116 COLUMBIA ST NW	Oly		public parking	1	No
CITY OF OLYMPIA PARKS	330 5TH AVE SW	OPARD		park	1	No
CITY OF LACEY/FINANCE DEPT	3120 MARTIN WAY E	Lac		Animal Services	1	No
CITY OF OLYMPIA FIRE STATION	1305 FONES RD SE	OFD		Fire training Center	1	No
CITY OF OLYMPIA PARKS	1250 EAGLE BEND DR SE	OPARD		park	1	No
CITY OF OLYMPIA PARKS	3100 CAPITAL MALL DR SW	OPARD		park	1	No
CITY OF OLYMPIA PARKS	2600 EAST BAY DR NE	OPARD		Priest Point Park Maint. Center	1	No
CITY OF OLYMPIA-PUMP STATIONS	4235 MAGNOLIA DR SE	Oly		utility boxes	1	No
CITY OF OLYMPIA-PUMP STATIONS	2711 LOG CABIN RD SE	Oly		water tower	1	No
CITY OF OLYMPIA PARKS	800 WILSON ST SE	OPARD		park	1	No
CITY OF OLYMPIA-PUMP STATIONS	505 BIRCH ST NW	Oly		water tower	1	No
CITY OF OLYMPIA FIRE STATION	330 KENYON ST NW	Oly		fire station, could have some pollutants?	1	No
CITY OF OLYMPIA LIBRARY	313 8TH AVE SE	Oly		library	1	No
CITY OF OLYMPIA-PUMP STATIONS	820 WEIR ST SE	Oly		pump station	1	No
ESD#113 FRIENDLY GROVE	2505 FRIENDLY GROVE RD NE	OSD		school	1	No
CITY OF OLYMPIA	601 4TH AVE E	Oly		city hall	1	No
CITY OF OLYMPIA	909 8TH AVE SE	Oly		office building	1	No
CITY OF OLYMPIA PARKS	222 COLUMBIA ST NW	Oly		City Center	1	No
CITY OF OLYMPIA PARKING SVC	107 STATE AVE NW	Oly		public parking	1	No
STATE OF WASHINGTON/ARMORY	515 EASTSIDE ST SE	State		fleet vehicles	1	No
DEPT OF ENTERPRISE SERVICES	615 WASHINGTON ST SE	State		park	1	No
CITY OF OLYMPIA PARKING SVC	205 STATE AVE NE	Oly		public parking	1	No
DEPT OF ENTERPRISE SERVICES	600 WASHINGTON ST SE	State		office building: dept of ed	1	No
CITY OF OLYMPIA	1401 EASTSIDE ST SE	Oly		public works: fleet vehicles and maintenance	1	No
PORT OF OLYMPIA	608 WASHINGTON ST NE	Port		public parking	1	No
CITY OF OLYMPIA-PUMP STATIONS	4735 MUD BAY RD NW	Oly		Mud Bay Sewer Pump Station	1	No
DEPT OF ENTERPRISE SERVICES	601 WATER ST SW	State		park	1	No
CITY OF OLYMPIA PARKS	221 PERRY ST NW	Oly		Woodruff Park	1	No
CITY OF OLYMPIA PARKS	700 WEST BAY DR NW	OPARD		park	1	No
PORT OF OLYMPIA	620 WASHINGTON ST NE	Port		public parking	1	No
CITY OF OLYMPIA - WATER	111 WEST BAY DR NW	Oly		WR West Bay Booster (200 West Bay Dr)	1	No
CITY OF OLYMPIA-PUMP STATIONS	3920 HOFFMAN CT SE	Oly		water tower	1	No
CITY OF OLYMPIA PARKS	3500 AMHURST ST SE	OPARD		public parking	1	No
OLYMPIA SCHOOL DIST #111	2001 26TH AVE NE	OSD		school	1	No
CITY OF OLYMPIA PARKING SVC	122 4TH AVE W	Oly		public parking	1	No
CITY OF OLYMPIA	108 STATE AVE NW	Oly		office	1	No
CITY OF OLYMPIA-PUMP STATIONS	707 FIR ST SE	Oly		water tower	1	No
DEPT OF ENTERPRISE SERVICES	721 COLUMBIA ST SW	State		Heritage Park need parcel number	1	No

BusinessName	PhysAddress	Ownership	DOR_NAICS _Primary_Int	NaicsUse	Number of Times Inspected	Enforcement
LOTT CLEAN WATER ALLIANCE	516 WASHINGTON ST NE	LOTT		LOTT construction staging	1	No
CITY OF OLYMPIA PARKING SVC	204 FRANKLIN ST NE	Oly		public parking	1	No
CITY OF OLYMPIA-PUMP STATIONS	220 WATER ST NW	Oly		pump station	1	No
CITY OF OLYMPIA	911 ADAMS ST SE	Oly		community garden	1	No
CITY OF OLYMPIA-PUMP STATIONS	3351 MORSE MERRYMAN RD SE	Oly		water tower	1	No
THURSTON COUNTY PARKS & REC	3725 14TH AVE SE	Thur		boat launch parking lot	1	No
ARMOR STORAGE LLC	3400 MOTTMAN RD SW	Priv	459999	storage unit	1	No
CITY OF OLYMPIA FIRE STATION	2525 22ND AVE SE	OFD		fire station	1	No
CITY OF OLYMPIA PARKS	325 COLUMBIA ST NW	OPARD		park	1	No
CITY OF OLYMPIA PARKING SVC	602 5TH AVE SW	Oly		parking lot next to 5th Avenue bridge need parcel number	1	No
CITY OF OLYMPIA-PUMP STATIONS	300 24TH AVE SE	Oly		alley way?	1	No
CITY OF OLYMPIA-PUMP STATIONS	3505 6TH ST SE	Oly		pump station	1	No
CITY OF OLYMPIA	421 JEFFERSON ST SE	Oly		office building	1	No
CITY OF OLYMPIA PARKING SVC	215 ADAMS ST NE	Oly		propane tanks/ industrial	1	No
WELL 80 BREWING COMPANY, LLC	514 4TH AVE E	Priv	722410	Drinking Places (Alcoholic Beverages)	1	No
TRACTOR SUPPLY COMPANY	4141 MARTIN WAY E STE 105	Priv	444220	Nursery, Garden Center, and Farm Supply Stores	1	No
RED LOBSTER HOSPITALITY LLC	4505 MARTIN WAY E	Priv	722511	Full Service Restaurant	1	No
THE SHERWIN-WILLIAMS COMPANY	3949 MARTIN WAY E	Priv	444120	Paint and Wallpaper Stores	1	No
THE SHERWIN-WILLIAMS COMPANY	2303 HARRISON AVE NW	Priv	444120	Paint and Wallpaper Stores	1	No
THE PIZZA SPECIALISTS, INC.	2705 LIMITED LANE	Priv	722515	Snack and Nonalcoholic Beverage Bars	1	No
STARBUCKS CORPORATION	4131 MARTIN WAY E	Priv	722515	Snack and Nonalcoholic Beverage Bars	1	No
DRIP ESPRESSO BAR, LLC	1018 CAPITOL WAY S STE 100	Priv	722515	Snack and Nonalcoholic Beverage Bars	1	No
BEECH TREE WOODWORKS INCORPORATED	417 DEVOE ST SE	Priv	238350	Finish Carpentry Contractors	2	No
HOME DEPOT U.S.A., INC.	1325 FONES RD SE	Priv	444110	Home Centers	1	No
NEW MOON COOPERATIVE	113 4TH AVE W	Priv	722511	Full Service Restaurant	1	No
OLYMPIA SHUR-KLEEN, INC.	1616 HARRISON AVE NW	Priv	811192	Car Washes	1	No
HIMAYA-H ENTERPRISES INC.	1023 CAPITOL WAY S	Priv	722513	Limited-Service Restaurants	1	No
DAMMAD, LLC	1815 HARRISON AVE NW	Priv	722410	Drinking Places (Alcoholic Beverages)	1	No
WINSHEP PROPERTY SOLUTIONS, LLC	527 DEVOE ST SE	Priv	238150	Glass and Glazing Contractors	1	No
AUTOZONE PARTS, INC.	2315 HARRISON AVE NW	Priv	441310	Automotive Parts and Accessories Stores	1	No
BLUE HERON BAKERY, INC.	4419 HARRISON AVE NW STE 108	Priv	722515	Snack and Nonalcoholic Beverage Bars	1	No
GENERAL SHEET METAL, INC.	3530 6TH ST SE	Priv	238390	Other Building Finishing Contractors	1	No
WAGNER'S BAKERY, LLC	1005 CAPITOL WAY S	Priv	722515	Snack and Nonalcoholic Beverage Bars	1	No
WAGNER'S BAKERY, LLC	1013 CAPITOL WAY S	Priv	722515	Snack and Nonalcoholic Beverage Bars	1	No
CRE MAINTENANCE COMPANY, LLC	115 MCCORMICK ST NE	Priv	236118	Residential Remodelers	1	No
DOORS UNLIMITED INCORPORATED	1308 DAYTON ST SE	Priv	444190	Other Building Material Dealers	1	No
OLYMPIC MOVING & STORAGE, INC.	935 POPLAR ST SE	Priv	484210	Used Household and Office Goods Moving	1	No
SAFELITE FULFILLMENT, INC.	620 PLUM ST SE	Priv	811122	Automotive Glass Replacement Shops	1	No
AJP ENTERPRISES, LLC	520 PLUM ST SE	Priv	722513	Limited-Service Restaurants	1	No
OLYMPIA FOOD COOPERATIVE	3111 PACIFIC AVE SE	Priv	445110	Supermarkets and Other Grocery (except Convenience) Stores	1	No
STORMANS, INC.	516 4TH AVE W	Priv	445110	Supermarkets and Other Grocery (except Convenience) Stores	1	No
STORMANS, INC.	1908 4TH AVE E	Priv	445110	Supermarkets and Other Grocery (except Convenience) Stores	1	No
JASON AUTHER SEBASTIAN	1320 DAYTON ST SE	Priv	811192	Car Washes	1	No
ACEC&M, INC	2303 PACIFIC AVE SE	Priv	447110	Gasoline Stations with Convenience Stores	1	No

BusinessName	PhysAddress	Ownership	DOR_NAICS _Primary_Int	NaicsUse	Number of Times Inspected	Enforcement
THREE MAGNETS BREWING COMPANY	600 FRANKLIN ST SE STE 105	Priv	312120	Breweries	1	No
PAPA BEAR'S SMALL ENGINE REPAIR, LLC	2423 HARRISON AVE NW	Priv	811411	Home and Garden Equipment Repair and Maintenance	1	No
MECONI'S ITALIAN SUBS, LLC	1018 CAPITOL WAY S	Priv	722513	Limited-Service Restaurants	1	No
BARK & GARDEN CENTER, INC.	4004 HARRISON AVE NW	Priv	444220	Nursery, Garden Center, and Farm Supply Stores	1	No
BUSH LUMBER COMPANY, INCORPORATED	3520 MARTIN WAY E	Priv	444190	Other Building Material Dealers	1	No
CAR CRAZY WINDOW TINTING, LLC	2407 HARRISON AVE NW	Priv	811122	Automotive Glass Replacement Shops	1	No
HK CURRY , LLC	1615 STATE AVE NE	Priv	722320	Caterers	1	No
LAURA ANN WESEN	2411 PACIFIC AVE SE FL 1	Priv	236118	Residential Remodelers	1	No
EL SARAPE', INC.	4043 MARTIN WAY E	Priv	722511	Full Service Restaurant	1	No
BRIDGESTONE RETAIL OPERATIONS, LLC	2800 HARRISON AVE NW	Priv	441320	Tire Dealers	1	No
HARDEL MUTUAL PLYWOOD CORPORATION	2321 HARRISON AVE NW	Priv	321212	Softwood Veneer and Plywood Manufacturing	1	No
SHELSTAD, INC.	1001 COOPER POINT RD SW	Priv	811111	General Automotive Repair	1	No
EMERALD CITY PIZZA LLC	205 KENYON ST NW	Priv	722513	Limited-Service Restaurants	1	No
THE LEMON GRASS RESTAURANT INC.	212 4TH AVE W	Priv	722511	Full Service Restaurant	1	No
PACIFIC AIR HEATING AND AIR CONDITIONING, INC.	2727 MARTIN WAY E	Priv	238220	Plumbing, Heating, and Air-Conditioning Contractors	1	No
SMART FOODSERVICE STORES LLC	1010 FONES RD SE	Priv	445110	Supermarkets and Other Grocery (except Convenience) Stores	2	No
KSA PLUS, INC.	2319 E 4TH AVE	Priv	447110	Gasoline Stations with Convenience Stores	1	No
WESTSIDE JACKPOT LLC	1802 HARRISON AVE NW	Priv	445110	Supermarkets and Other Grocery (except Convenience) Stores	1	No
SPUD'S PRODUCE MARKET, INC.	2828 CAPITOL BLVD S	Priv	445110	Supermarkets and Other Grocery (except Convenience) Stores	1	No
EASTSIDE URBAN FARM AND GARDEN CENTER, LLC	2326 4TH AVE E	Priv	444220	Nursery, Garden Center, and Farm Supply Stores	2	No
GROCERY OUTLET INC.	2100 HARRISON AVE NW	Priv	445110	Supermarkets and Other Grocery (except Convenience) Stores	1	No
EASTSIDE CLUB, INC.	410 E 4TH AVE	Priv	722410	Drinking Places (Alcoholic Beverages)	1	No
SILVERS SALOON LLC	2752 PACIFIC AVE SE	Priv	722511	Full Service Restaurant	1	No
KELL-CHUCK GLASS COMPANY, INCORPORATED	117 LILLY RD NE	Priv	444190	Other Building Material Dealers	2	No
THE BREAD PEDDLER, INC.	222 CAPITOL WAY N STE 103	Priv	311811	Retail Bakeries	1	No
BOATS 4 U, INC.	3525 PACIFIC AVE SE	Priv	441222	Boat Dealers	1	No
JGB BAJWA INVESTMENT LLC	2205 COOPER PT RD	Priv	447110	Gasoline Stations with Convenience Stores	2	No
SUB BROS NW INC.	1001 COOPER POINT RD SW	Priv	722513	Limited-Service Restaurants	1	No
PANDA EXPRESS, INC.	4210 MARTIN WAY E STE 107	Priv	722513	Limited-Service Restaurants	1	No
ABENTEUER INC.	625 COLUMBIA ST SW	Priv	444130	Hardware Stores	2	No
CARTER PIZZA CO LLC	2822 CAPITOL BLVD S	Priv	722513	Limited-Service Restaurants	1	No
C&S BUILDING LLC	1001 COOPER POINT RD SW	Priv	236115	New Single-Family Housing Construction (except Operative Builders)	1	No
HASH LLC	1807 HARRISON AVE NW	Priv	722511	Full Service Restaurant	1	No
STELLAR JUICES, L.L.C.	623 5TH AVE SE	Priv	722515	Snack and Nonalcoholic Beverage Bars	1	No
B&M INTEGRITY INC	2728 MARTIN WAY E	Priv	811111	General Automotive Repair	1	No
TEAM CAR CARE WEST, LLC	2424 HARRISON AVE NW	Priv	811111	General Automotive Repair	1	No
OLYMPIA OYSTER HOUSE LLC	320 4TH AVE W	Priv	722511	Full Service Restaurant	1	No
RICHARDSON 4 LLC	1851 STATE AVE NE	Priv	311421	Fruit and Vegetable Canning	1	No
RAYHAN LLC	4120 MARTIN WAY E	Priv	722515	Snack and Nonalcoholic Beverage Bars	1	No
DEVOTION CONSTRUCTION L.L.C.	203 CENTRAL ST NE	Priv	236115	New Single-Family Housing Construction (except Operative Builders)	1	No
BIG BEAN COFFEE ROASTERS LLC	1001 COOPER POINT RD SW	Priv	445299	All Other Specialty Food Stores	1	No
EQUAL LATIN RESTRAURANT LLC	520 4TH AVE E	Priv	722511	Full Service Restaurant	1	No
WTF LOGISTICS LLC	1001 COOPER POINT RD SW	Priv	484230	Specialized Freight (except Used Goods) Trucking, Long-Distance	1	No
COLLISION SERVICE REPAIR CENTER, INC.	512 DEVOE ST SE	Priv	811111	General Automotive Repair	1	No

BusinessName	PhysAddress	Ownership	DOR_NAICS _Primary_Int	NaicsUse	Number of Times Inspected	Enforcement
OLYMPIA BAKING COMPANY LLC	108 22ND AVE SW	Priv	311811	Retail Bakeries	1	No
JOHN WESTON COUMBS JR	3052 PACIFIC AVE SE	Priv	441210	Recreational Vehicle Dealers	1	No
ARSHI INVESTMENT INC	2007 HARRISON AVE NW	Priv	445120	Convenience Stores	1	No
1909 HARRISON, LLC	1909 HARRISON AVE NW	Priv	722515	Snack and Nonalcoholic Beverage Bars	1	No
HARD WORK HANDS, LLC	1001 COOPER POINT RD SW	Priv	236118	Residential Remodelers	1	No
OLY GROUNDS COFFEE LLC	4127 HARRISON AVE NW	Priv	722515	Snack and Nonalcoholic Beverage Bars	1	No
THE HERTZ CORPORATION	1001 COOPER POINT RD SW	Priv	532111	Passenger Car Rental	1	No
BITTERSWEET CHOCOLATES, L.L.C.	203 COLUMBIA ST NW	Priv	311352	Confectionery Manufacturing from Purchased Chocolate	1	No
SPECIALTY COFFEE, LLC	3200 PACIFIC AVE SE	Priv	722515	Snack and Nonalcoholic Beverage Bars	1	No
HUMBLE COW ICE CREAM LLC	4528 MAPLE LANE SE	Priv	722515	Snack and Nonalcoholic Beverage Bars	1	No
DRIP ESPRESSO BAR, LLC	3909 9TH AVE SW	Priv	722515	Snack and Nonalcoholic Beverage Bars	1	No
FM RESTAURANTS, INC.	4131 MARTIN WAY E	Priv	722513	Limited-Service Restaurants	1	No
EMPOR ENTERPRISES INC.	3541 MARTIN WAY E	Priv	445131	Convenience Retailers	1	No
GARY'S TIRE, LLC	4325 MARTIN WAY E	Priv	441340	Tire Dealers	1	No
GALAXY BOBA LLC	203 4TH AVE E	Priv	722515	Snack and Nonalcoholic Beverage Bars	1	No
WIDE AWAKE INVESTMENT GROUP LLC	4538 MAPLE LN SE	Priv	722515	Snack and Nonalcoholic Beverage Bars	1	No
UB CORPORATION	1001 COOPER POINT RD SW	Priv	722513	Limited-Service Restaurants	1	No
SEA LEVEL COFFEE, SPC	2824 CAPITOL BLVD S	Priv	722515	Snack and Nonalcoholic Beverage Bars	1	No
TOTAL BATTERY AND AUTOMOTIVE SUPPLY, LLC	3480 MARTIN WAY E	Priv	811111	General Automotive Repair	1	No
KAKAR AUTOMOTIVE INC.	108 KENYON ST NW	Priv	811111	General Automotive Repair	1	No
ANTHONY WILLIAM BROOKS	2225 COOPER POINT RD SW	Priv	236115	New Single-Family Housing Construction (except Operative Builders)	1	No
SYDNEY ERIN SUGRUE	2203 PACIFIC AVE SE	Priv	444240	Farm supply retailers	1	No
NJE ENTERPRISE LLC	2728 MARTIN WAY E	Priv	811114	Specialized Automotive Repair	1	No
DORAN LLC	4528 MAPLE LN SE	Priv	722320	Caterers	1	No
BLUE HERON COMMUNITY COOPERATIVE	4419 HARRISON AVE NW	Priv	722511	Full Service Restaurant	1	No
D&E IMPORT AUTO LLC	2417 PACIFIC AVE SE	Priv	441110	New Car Dealers	1	No
PEAK INDUSTRIAL, INC.	3121 PACIFIC AVE SE	Priv	811310	Commercial and Industrial Machinery and Equipment (except Automotive and E*	2	No
HOT OR ICED LLC	1001 COOPER POINT RD SW	Priv	722515	Snack and Nonalcoholic Beverage Bars	1	No
HOT OR ICED LLC	4538 MAPLE LN SE	Priv	722515	Snack and Nonalcoholic Beverage Bars	1	No
SOUND AUDIO REPAIR COOPERATIVE	617 5TH AVE SE	Priv	811210	Electronic and Precision Equipment Repair and Maintenance	1	No

2023 TMDL Requirements Summary

Henderson Inlet Watershed Fecal Coliform Bacteria Water Quality Improvement Project

In early and mid-2023, the City of Olympia met with the Department of Ecology's TMDL and Municipal Stormwater Permit staff to discuss adjustments to the Olympia/Lacey coordinated sampling plan. This was necessary to ensure compliance with the 2019-2024 NPDES permit, as the sampling plan's approved testing laboratory had closed and there were concerns about compliance with expired water quality standards for fecal coliform organisms. The cities needed to understand how these factors would impact their collection efforts.

As a result of these meetings, several changes were discussed:

- It was recognized that the 2024-2929 NPDES Appendix 2 TMDL requirements needed updating to reduce sampling frequency.
- To ensure compliance with the Henderson TMDL parameter and the connection of surface water to shellfish harvesting locations, fecal coliform bacteria will continue to be a sampling criterion.
- Any Ecology-recognized accredited laboratory could now be used for testing.
- Coordinated sampling efforts between Olympia and Lacey are no longer required, except in cases where a grab sample from the Point of Compliance (POC) showed a high fecal bacterial load, necessitating source tracing and coordination.
- Olympia will continue to spot-check for MS4 discharge at the POC to determine sampling needs.

During the 2023 season, City of Olympia staff did not observe any stormwater discharge at the POC.

Deschutes River Watershed

The City of Olympia met this requirement through the following actions:

- Applying the City's Drainage Design and Erosion Control Manual (DDECM) for new and redevelopment, including the DDESM's low impact development (LID) requirements.
- City of Olympia's code and Engineering Development and Design Standards (EDDS) limits the amount of impervious (hard) surfaces and promotes the use of LID approaches.
- Implementing the City's Shoreline Master Program and Critical Area Ordinance which requires stream buffers for new development.
- Stewardship activities through Water Resources Habitat Program, Parks Arts and Recreation program where tree planting and restoration activities take place.
- 1,980 trees, and 253 shrubs/groundcovers were planted in the Deschutes River Watershed.