2023
STORMWATER REPORT

NPDES Municipal Stormwater Permit Annual Report for Fiscal Year 2023

Washington State
Department of Transportation

Title VI, ADA

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List of Acronyms

BMP	Best Management Practice
CAB	Compost Amended Bioswale
CESCL	Certified Erosion and Sediment Control Lead
CSWGP	Construction Stormwater General Permit
CTR	Commute Trip Reduction
EPA	Environmental Protection Agency
GIS	Geographic Information Systems
GPS	Global Positioning System
HEAL	Healthy Environmental For All
HRM	Highway Runoff Manual
IDDE	Illicit Discharge Detection and Elimination
MS4	Municipal Separate Storm Sewer System
NGO	Non-Governmental Organization
NPDES	National Pollutant Discharge Elimination System
PCB	Polychlorinated Biphenyl
QAPP	Quality Assurance Project Plan
RCW	Revised Code of Washington
SWMPP	Stormwater Management Program Plan
SWPPP	Stormwater Pollution Prevention Plan
TAPE	Technology Assessment Protocol - Ecology
TER	Technical Evaluation Report
TESC	Temporary Erosion and Sediment Control
TMDL	Total Maximum Daily Load
VFS	Vegetated Filter Strip
WSDOT	Washington State Department of Transportation
WSF	Washington State Ferries

Certification

Certification and Signature for Washington State Department of Transportation's National Pollutant Discharge Elimination System Municipal Stormwater Permit 2023 Stormwater Report

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for willful violations.

Ahmer Nizam, Director
Environmental Services Office
Washington State Department of Transportation

STORMWATER MANAGEMENT

Historically, WSDOT managed stormwater to maintain safe driving conditions and preserve the condition of the roadway. WSDOT focused on getting the stormwater off the roadway as fast as possible. While safety and preservation continue to be top priorities for WSDOT, today the agency also manages stormwater from state transportation facilities to fulfill its environmental stewardship goals as well as regulatory obligations. WSDOT uses stormwater operational and structural best management practices (BMPs) to minimize pollution and control stormwater runoff flows from its roadways.

WATER QUALITY REGULATIONS

Clean Water Act

The Federal Water Pollution Control Act, also known as the Clean Water Act, aims to restore and maintain the chemical, physical, and biological integrity of the Nation's waters. It addresses effects from stormwater discharges through the National Pollutant Discharge Elimination System (NPDES) program. Under this program, the Environmental Protection Agency (EPA) issues permits regulating stormwater discharges to receiving water bodies. In Washington State, the EPA delegated permitting authority of the NPDES program to the Department of Ecology (Ecology).

WSDOT's NPDES Municipal Stormwater Permit

WSDOT's NPDES and State Waste Discharge Permit for Municipal Stormwater (permit) is tailored to the linear nature and unique constraints of the transportation system. Compliance with this permit constitutes compliance with the Clean Water Act and the State of Washington Water Pollution Control Act (Chapter 90.48 RCW).

AREAS COVERED BY THE PERMIT

Phase I and II Permit Areas

WSDOT's permit covers stormwater discharges from stormwater conveyance systems (municipal separate storm sewer systems, or MS4s) owned or operated by WSDOT in areas covered by the Phase I and II permits. Discharges covered include those from highways, ferry terminals, rest areas, park and ride lots, maintenance facilities, vactor decant and street sweeping facilities, and winter chemical storage facilities. All permit requirements are implemented in these areas. A map of permit-covered facilities within Phase I and II permit areas appears on page 2.

Total Maximum Daily Load Areas

WSDOT's permit also covers stormwater discharges to any receiving water body in Washington State for which there is an EPA-approved Total Maximum Daily Load (TMDL) with wasteload allocations and implementation documents specifying actions for WSDOT. Compliance with the specific action items prescribed in Appendix 3 of the permit constitutes compliance with TMDL wasteload allocations. A map of permit-covered facilities within TMDL areas is located in Chapter 2.

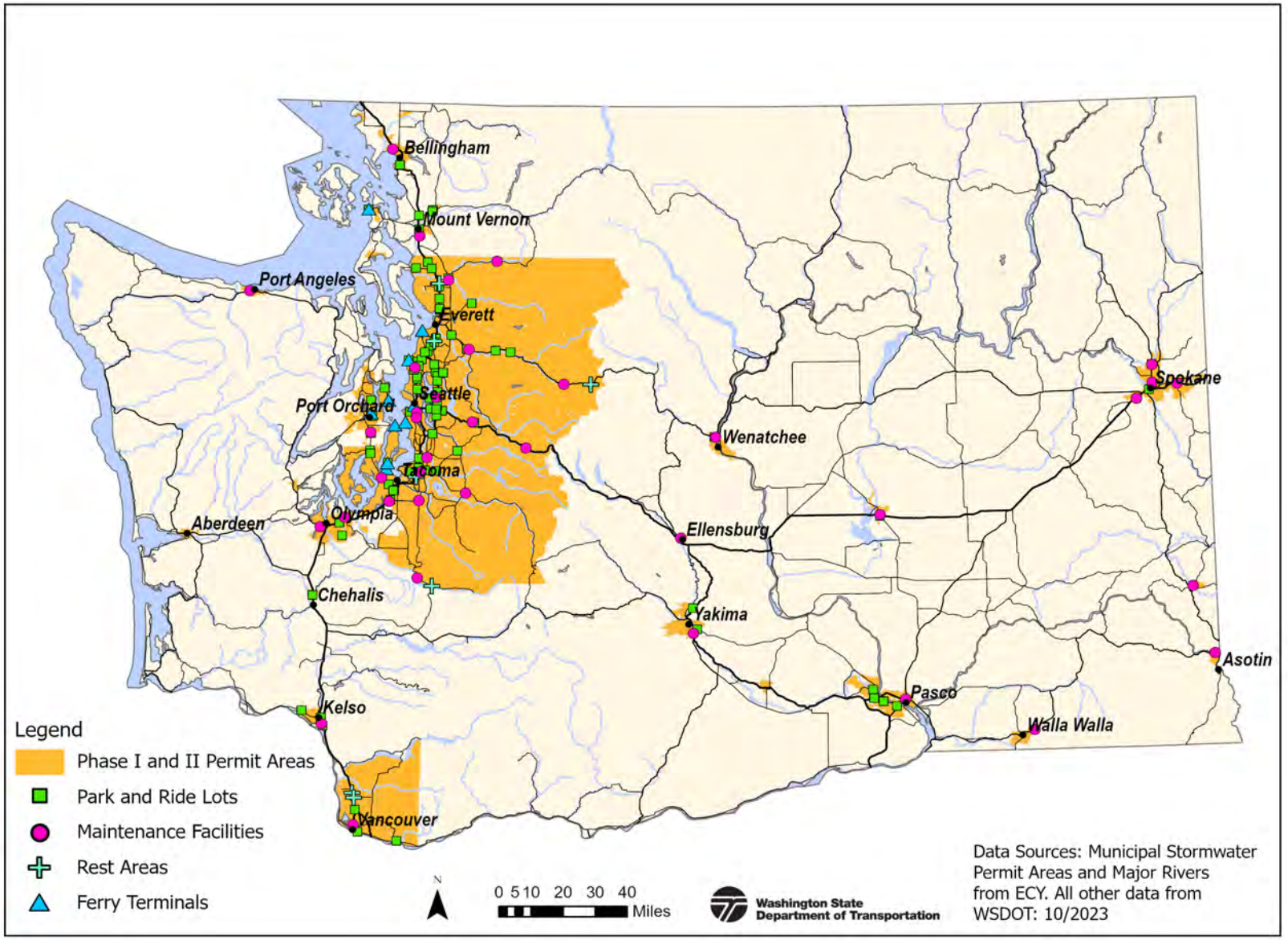

Figure 1. WSDOT facilities within Phase I and II Municipal Stormwater Permit areas.

HOW TO USE THIS REPORT

Compliance and Information Document

This Stormwater Report serves as WSDOT's permit-required annual report. It provides a status update on permit compliance and implementation from July 1, 2022 to June 30, 2023, the reporting period. WSDOT submits separate reports to fulfill its reporting requirements related to stormwater monitoring.

WSDOT uses the Stormwater Report to help assess the appropriateness and effectiveness of various programs and activities described in its Stormwater Management Program Plan (SWMPP).

PERMIT IMPLEMENTATION COSTS

Funding Requests for Permit Implementation

The permit requires WSDOT to request adequate resources to maintain compliance with the permit in its agency-request budget submittal to the Governor's Office. Once the budget request is received by the Office of Financial Management within the Governor's Office, the Governor submits a transportation budget to the Legislature recommending funding levels and allocations. Any amount requested supplements ongoing permit implementation funds from the previous biennium. WSDOT did not need to request additional resources during this biennium.

Permit Implementation Costs

The permit requires WSDOT to track the cost of implementing the permit and provide this information to Ecology upon request.

TRIGGERED REPORTING ITEMS

Notification of Spills

According to General Condition G3 in the permit, if WSDOT knows of a spill into its MS4 which could constitute a threat to human health, welfare, or the environment, WSDOT must notify Ecology. In this reporting period, Ecology was notified of 34 G3 spills as summarized in Appendix 3 of this report.

Compliance with Permit Obligations

The permit requires WSDOT to notify Ecology if it fails to comply with an obligation in the permit. Under General Condition G20 of the permit, this notification must include a description of the non-compliance and the time period for which it is expected to continue. A G20 notification must also include actions taken or planned to reduce, eliminate, and prevent reoccurrence of the non-compliance.

During this reporting period, WSDOT submitted one G20 notification for failing to comply with Special Condition S5.C.3.b of the permit. S5.C.3.b requires WSDOT to "meet the pace of 79.5 centerline miles per year of complete conveyance

mapping until all WSDOT owned or operated highways within areas described in S1.B are mapped." WSDOT only completed mapping for about 70% of its required inventory miles (55.42 of 79.5 centerline miles) for the 2022-2023 cycle due to staff vacancies within the Stormwater Features Inventory Program.

WSDOT is on track to exceed the required pace over the next two permit cycles (2023-2025) with the help of consultant field crews. The agency is ramping up mapping efforts, as well as fish passage and Complete Streets projects, to support the delivery of $500M in Stormwater Retrofit projects over the next 16 years provided through the 2022 Move Ahead Washington funding package.

Notification of Upsets

The permit requires WSDOT to include a summary in this report of any G21 notifications to Ecology regarding upsets. An upset is an exceptional incident in which there is unintentional and temporary noncompliance due to factors beyond the reasonable control of WSDOT. WSDOT did not need to submit any such notifications to Ecology during this reporting period.

WSDOT's Stormwater Management Program Plan

The permit requires WSDOT to implement a Stormwater Management Program comprised of the program components and requirements listed in permit section S5. WSDOT's SWMPP fulfills that obligation and documents the procedures and practices used to reduce the discharge of pollutants from storm sewer systems owned or operated by WSDOT. The SWMPP is updated annually and submitted with the Stormwater Report. It is available for review and comment anytime throughout the reporting period at https://wsdot.wa.gov/construction-planning/protecting-environment/managing-stormwater-state-highways. Feedback is reviewed and incorporated as appropriate during the annual update process.

Standards for Discharges

The permit requires WSDOT to include a summary in this report of any actions taken regarding Special Condition S4 of the permit. These actions include notifying Ecology about any discharge from WSDOT's MS4 that causes or contributes to a known or likely violation of water quality standards in a receiving water body. WSDOT did not need to submit any such notifications to Ecology during this reporting period.

TOTAL MAXIMUM DAILY LOADS IN THE PERMIT

TMDL implementation plans provide water quality targets and assign action items to permittees in watersheds to achieve compliance with water quality standards. The permit requires WSDOT to comply with the action items and associated timelines listed in Appendix 3 of the permit. The permit currently includes 31 TMDLs statewide as seen in Figure 3.

IMPLEMENTING TMDL REQUIREMENTS

Actions Required by TMDLs

The permit requires WSDOT to summarize the status of compliance with each of the TMDL-related action items in the permit. Table 3 in Appendix 1 of this report provides this information. In addition to the actions listed in the summary table, WSDOT implemented the *Highway Runoff Manual* (HRM) in all of the TMDL areas as required by the permit.

WSDOT's Involvement in TMDL Development

As encouraged in the permit, WSDOT participates in Ecology's TMDL development process. During this reporting period, WSDOT participated in the development process for the following TMDLs (with the pollutants of concern noted in parentheses).

- Whatcom Creek (bacteria)
- Lower White River (pH)
- Budd Inlet (dissolved oxygen)
- Soos Creek (fine sediment)
- Spokane River (polychlorinated biphenyls)

WSDOT also participated in the development process or implementation of the following impairment-related working groups and task forces:

- Green-Duwamish River Pollutant Loading Assessment
- Our Green-Duwamish Workshop
- Puget Sound Nutrient Forum
- Spokane River Regional Toxics Task Force
- Poverty Bay Shellfish Protection District Technical Committee
- Clark's Creek Restoration Plan

Figure 2. A pet waste station on a strip of right of way near the Nisqually RV park helps guests clean up after their pets and prevent fecal coliform from entering the waterways around McAllister Creek.

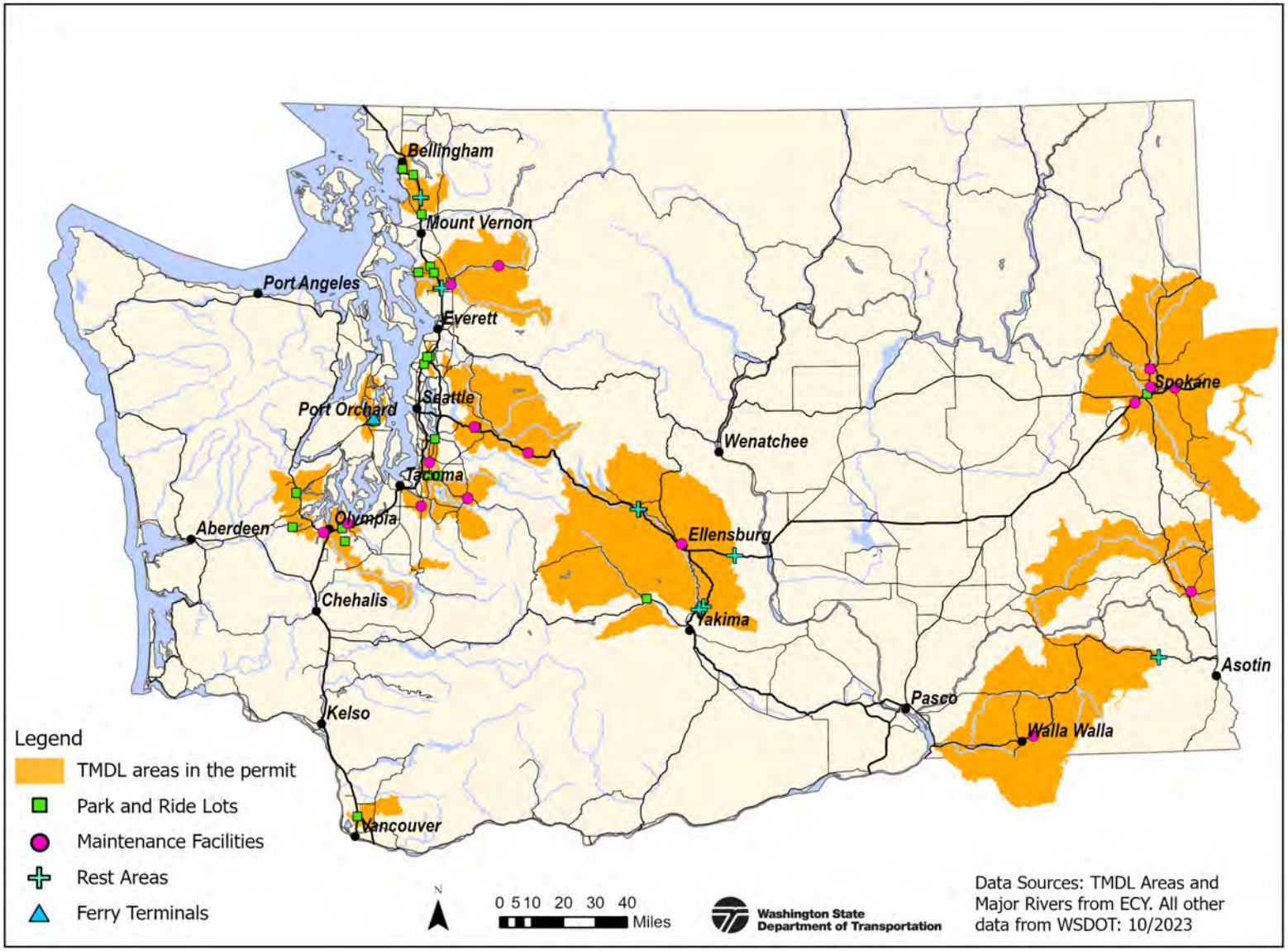

Figure 3. WSDOT facilities within TMDLs included in the permit.

TEMPORARY EROSION AND SEDIMENT CONTROL

Certification and Training

Construction projects use temporary erosion and sediment control (TESC) plans, which consist of a narrative and site plan sheets, to identify project-specific risks related to erosion and strategies for managing those risks. TESC plans must be kept on site and updated to reflect site conditions and BMP adaptive management.

WSDOT staff and consultants responsible for designing TESC plans and inspecting construction sites must take WSDOT's Construction Site Erosion and Sediment Control training class. Taking the class either renews current Certified Erosion and Sediment Control Lead (CESCL) certification or fulfills the eight-hour in-class component for new or expired certifications. A CESCL certification is required for anyone performing weekly site inspections required by the NPDES Construction Stormwater General Permit (CSWGP). WSDOT's class covers topics including the regulatory framework for construction activities, CSWGP compliance, spill prevention techniques, erosion and sediment control BMPs, and the TESC planning process. During this reporting period, WSDOT held five Construction Site Erosion and Sediment Control trainings and 189 people received the training.

189 *aff received staff earned or renewed a CESCL certification.*

FALL ASSESSMENTS

Between September and November each year, WSDOT assesses all active construction projects identified as having a moderate to high risk of erosion as defined in WSDOT's *TESC Manual*. Projects are identified based on the amount of disturbed soil, slope length and gradient, soil type, and proximity to receiving water bodies. If the fall assessment reveals TESC plan or BMP deficiencies, WSDOT's Erosion Control Lead follows up with the project offices to provide recommendations and technical assistance to improve site conditions prior to the wet season. In fall 2022, WSDOT assessed 13 construction projects statewide.

Summary and Lessons Learned from 2022 Fall Assessments

WSDOT evaluates construction projects using the 13 planning elements identified in the CSWGP. The evaluation allows WSDOT to identify performance trends, described below.

Out of the 13 planning elements, projects performed the best in the following areas:

- Mark clearing limits
- Install sediment controls
- Stabilize channels and outlets
- Manage the project

The observations made during the 2022 fall assessments were analyzed in conjunction with previous fall assessment findings, emerging issues communicated by WSDOT regions and modes, and information shared by region staff during statewide

Construction Site Erosion & Sediment Control trainings. The intent of this approach was to identify underlying factors that may contribute to both the common deficiencies noted in 2022 along with issues that have re-emerged over the course of recent years.

This analysis approach identified "reactive" implementation of TESC practices to frequently coincide with the most common TESC deficiencies. In response, WSDOT's Environmental Services and State Construction Offices determined that taking steps toward embracing a more wholistic "proactive" approach to TESC design and implementation across the agency would prove beneficial. To achieve this, WSDOT identified the following priorities for the upcoming year:

- enhancing statewide coordination and communication between WSDOT HQ, regions, and projects via a statewide TESC coordinators effort;
- improving WSDOT's internal process for escalating and addressing compliance concerns internally;
- identifying additional "hold points" at specific construction stages to help ensure appropriate subject matter experts are engaged in decision-making;
- expanding web-based training and refresher course offerings for project staff; and
- continued coordination with Ecology centered on identifying opportunities to improve communication and consistency between the sister agencies.

PLANNING AND DESIGNING NEW FACILITIES

When WSDOT constructs or modifies transportation facilities, it incorporates stormwater management BMPs to minimize adverse effects of stormwater runoff on receiving water bodies. WSDOT uses its HRM and *Hydraulics Manual* to provide consistent design and planning procedures statewide and meet the level of stormwater management established by Ecology's stormwater management manuals.

Stormwater BMPs

The permit requires WSDOT to report the number and type of stormwater BMPs built annually. A table summarizing the number and types of BMPs built statewide appears in Appendix 2 of this report.

25 ***BMPs constructed statewide within areas covered by the permit.***

Highway Runoff Manual Training

The permit requires WSDOT to report the number of HRM training opportunities and the number of staff trained. WSDOT trains staff and consultants who design stormwater management BMPs to help ensure they understand and use the design procedures in the HRM. In this reporting period WSDOT offered two instructor-led virtual workshops, training 86 WSDOT staff, 10 local agency staff, and 75 consultant staff.

Tracking New Stormwater Outfalls, Discharge Points, and BMPs

The permit requires WSDOT to enter key features and locations of newly constructed stormwater treatment and flow control facilities into a database. WSDOT currently reviews as-constructed contract plans (as-built plan sheets) and uses Geographic Information Systems (GIS) to manually map and document stormwater infrastructure in the Stormwater Features Inventory Database. WSDOT continues to research automation options to import the information directly into the Stormwater Features Inventory Database.

Additionally, for stormwater treatment and/or flow control BMPs, WSDOT has implemented a web application to tie existing project tracking and management information to individual BMPs. The application tracks each facility's lifecycle through design, construction, and completion. This is a requirement for WSDOT projects and will become a useful reporting and tracking tool for treatment of highway runoff on WSDOT right-of-way.

RETROFITS

Prioritizing Retrofits

Most of WSDOT's highways and facilities were built before the federal Clean Water Act and the Washington Water Pollution Control Act were enacted. Thus, most of the existing pavement surfaces do not have facilities to control stormwater flow or treat stormwater runoff before it discharges from WSDOT's right of way. WSDOT addresses these deficiencies through retrofits and uses a qualitative and quantitative prioritization process detailed in WSDOT's Stormwater Retrofit Management Plan, available here:

https://wsdot.wa.gov/sites/default/files/2021-10/StormW-Retrofit-ManagementPlan030918.pdf.

The 2022 Washington State Legislature authorized $500 million over 16 years beginning in 2023 for WSDOT stormwater retrofits as part of the Move Ahead Washington funding package to enhance stormwater treatment from existing roads and infrastructure, with an emphasis on green infrastructure retrofits. The Legislature directs WSDOT to prioritize projects that focus on benefits to salmon recovery and ecosystem health, reducing toxic pollution, addressing health disparities, and cost effectiveness.

Throughout 2023 and into 2024, WSDOT is engaged with an outreach effort, seeking input from federal, state, and local governments, tribes, non-governmental organizations (NGOs), scientists, and other interested parties to update our stormwater retrofit prioritization in a thoughtful, inclusive, and science-based manner. The prioritization update takes into account the Move Ahead Washington priorities, agency goals around the Healthy Environment for All (HEAL) Act, and tribal treaty rights.

The Move Ahead Washington funding allows WSDOT to plan and implement stand-alone stormwater retrofit projects across the state that go above and beyond permit required stormwater management and achieves agency values of engagement, innovation, and stewardship.

Tracking Retrofits

The permit requires highway projects in the Puget Sound basin to meet more stringent project-triggered retrofit requirements than other regions of the state. For projects in the Puget Sound basin meeting the project-triggered retrofit requirement, for which retrofitting all existing impervious surfaces is deemed infeasible, the permit requires WSDOT to report the cost information used to make that determination. This cost equates to the amount of money WSDOT must spend on retrofits within the project limits or transfer to fund stand-alone stormwater retrofit projects (or a combination of both). One project, SR 9/ Bickford Ave. Intersection Improvements, transferred $84,174 during the reporting period.

WSDOT is required to report the number of stand-alone retrofits constructed. During this reporting period, one stand-alone retrofit was constructed. WSDOT is also required to report the number of acres of existing impervious surface retrofitted or reverted to pervious surface through retrofits, as well as where and how much retrofitting took place. This

information appears in Table 1.

Table 1. *Acres of Existing Impervious Surface Retrofitted or Reverted to Pervious*

State Route	Region	Project Name	Existing Impervious Surface Retrofitted or Reverted to Pervious (acres)	Reason for Retrofit[1]
500	Southwest	SR 500/NE 182nd Ave - Intersection Improvements	0.015	Opportunity-based Retrofit
125	South Central	SR 125, Oregon State Line To Military Rd	0.960	Opportunity-based Retrofit
009	Northwest	SR 9/Bickford Ave Intersection Improvements	0.478	Project-driven and Opportunity-based
202	Northwest	SR 202, Evans Crk Vic To Se Fish Hatcher Vic Stormwater Retrofit	0.305	Stand-alone Retrofit
090	Northwest	I-90, Eastgate To SR 900 Corridor Improvements	1.470	Project-driven Retrofit
009	Northwest	SR 9, Lake Creek And Norway Park Creek Fish Passage	0.044	Opportunity-based Retrofit
009	Northwest	SR 9, South Lake Stevens Road Intersection Improvements	1.370	Project-driven Retrofit
900	Northwest	SR 900/68th Ave S Vicinity - Pedestrian Safety - Phase 2	0.305	Opportunity-based Retrofit
167	Olympic	SR 167, SR 410 To SR 18 NB Congestion Management	0.919	Project-driven and Opportunity-based

1. Project-driven retrofits occur when a highway project exceeds the thresholds that trigger specific stormwater management requirements as defined in the HRM.
Opportunity-based retrofits occur when new improvement or preservation projects elect to add retrofits of existing pervious surfaces following guidelines in the HRM.
Standalone stormwater retrofits occur when projects are initiated to address stormwater treatment and/or flow control at a prioritized location defined by WSDOT's stormwater needs prioritization process.

STORMWATER SYSTEM MAPPING

Complete System Mapping

WSDOT is required to map the MS4 for 79.5 centerline miles of highway each year. During this reporting period, WSDOT was unable to fully comply with this requirement. The primary factor in our inability to meet this requirement was staff vacancies within our Stormwater Features Inventory Program. Our mapping pace is reliant on having a full inventory team and we were unable to shift resources or otherwise compensate for the reduced staffing situation. A G20 was submitted to the Department of Ecology in April 2023. At the end of this mapping cycle (April 5, 2023) WSDOT was only able to complete ~70% of its required inventory miles (55.42 of 79.5). WSDOT is on track to exceed the required pace in the next two years of this permit cycle (April 6, 2023- April 5, 2025). We are ramping up stormwater conveyance system mapping efforts, as well as fish passage and Complete Streets projects, to support the delivery of $500M in Stormwater Retrofit projects over the next 16 years provided through the 2022 Move Ahead Washington funding package. WSDOT has brought on 4 consultant mapping crews with the goal to substantially increase mapping pace, while prioritizing additional inventory to be available to assist in project scoping and decision making.

Mapping Methods

To map the stormwater system, WSDOT uses office and field-based methods. In the office, WSDOT continues to research and map the information on as-built plan sheets. WSDOT staff use GIS to place the as-built plan sheet images where they belong on a map, then create points, lines, and polygons to represent stormwater infrastructure such as discharge points and outfalls, pipes, drainage inlets, BMPs, and ditches.

In the field, WSDOT crews use Global Positioning System (GPS) units to locate and document stormwater conveyance infrastructure and attributes. In areas where no, or minimal, infrastructure information exists, WSDOT locates and maps the infrastructure and documents all attribute information. In areas where a base level of information exists from in-office mapping efforts, field crews locate and update or confirm the information based on field observations.

Drainage Area Mapping

WSDOT uses a combination of hydraulic design and field collected data to map drainage areas to the discharge points of our stormwater systems. A priority is focused on mapping drainage areas associated with stormwater treatment and/or flow control BMPs, and to surface receiving waters. Designed drainage areas are digitized into GIS from WSDOT project hydraulic files where available. As initial verification of the designed drainage areas, and collection of additional drainage areas, high resolution aerial imagery and elevation data are used to estimate drainage breaks between stormwater conveyance systems defined through our ongoing MS4 mapping program. WSDOT is set to begin Mobile LiDAR collection in the coming years and will work to incorporate this highly accurate elevation data into GIS to help automate the drainage area mapping process and obtain more accurate results through processing geometric stormwater networks and elevation models.

GIS Layer Updates

The permit requires WSDOT to report on the GIS data layers that were updated over the reporting period, which are:

- Drainage Areas
- Artificial discharge points
- Artificial path
- Debris racks
- Discharge points
- Drainage inlets
- Energy dissipaters
- Flow restrictors
- Pipe ends
- Pipes
- Ditches
- Roadside slopes
- Concrete barriers
- Curbs
- Stormwater ponds
- Stormwater vaults

ILLICIT DISCHARGE DETECTION AND ELIMINATION

Illicit Discharge Detection and Elimination Program

WSDOT's Illicit Discharge Detection and Elimination (IDDE) Program identifies and resolves illicit discharges and illegal connections that could adversely affect our stormwater system or property. WSDOT contacts emergency responders when coming upon a potentially hazardous or unknown pollutant.

As required by the permit, WSDOT's IDDE Program trains staff who, as part of their normal job responsibilities, may come into contact with or observe an illicit discharge or illegal connection to WSDOT's municipal separate storm sewer system or property, to recognize and report illicit discharges and potential illegal connections. During this reporting period, 16 WSDOT staff completed training through the eLearning IDDE program.

New Reported Illicit Discharges and Illegal Connections

WSDOT tracks all issues statewide and seeks remediation when necessary. WSDOT discovered 56 illicit discharges and two illegal connections during this reporting period, all of which were resolved. WSDOT also tracked 273 traffic related spills that were addressed on WSDOT highways. Thirty-four of these spills required G3 notification to Ecology. Appendix 3 contains a table describing the discharges and connections, actions taken to eliminate them, and the status of the issues. All items included in Appendix 3 are uploaded to Ecology's Water Quality Web Portal as required by the permit.

ROAD AND FACILITY MAINTENANCE AND OPERATIONS

Facility Stormwater Pollution Prevention Plans

WSDOT implements stormwater pollution prevention plans (SWPPPs) at each of the maintenance facilities covered by the permit. The SWPPPs identify operational and structural BMPs and include spill prevention and response plans specific to each facility. The permit requires WSDOT to perform site inspections twice a year to ensure SWPPP implementation and to evaluate the effectiveness of the plans. In this reporting period, WSDOT conducted 73 of 74, or 99% of planned SWPPP site inspections for 37 facilities statewide.

Training

WSDOT held 12 training courses on stormwater-related maintenance activities during this reporting period. In all, 308 maintenance staff were trained on topics including:

- Stormwater Pollution Prevention Plans
- Overview of the Endangered Species Act Regional Road Maintenance Program
- Understanding when and how to use BMPs
- Stormwater BMP maintenance
- Compliance monitoring and reporting requirements
- BMPs for emergency and road maintenance activities
- Field exercises installing erosion control BMPs
- Spill response

TREATMENT AND FLOW CONTROL BMP MAINTENANCE

WSDOT completed 2,492 permanent stormwater BMP inspections in this reporting period. This represents 96 percent of planned BMP inspections and exceeds the 95 percent permit requirement. WSDOT is also required to correct stormwater BMP maintenance deficiencies within one year of identification for BMPs requiring typical maintenance and within two years of identification for BMPs requiring non-typical maintenance costing less than $25,000 unless there are circumstances beyond WSDOT's control. WSDOT corrected 100 percent of typical and non-typical maintenance deficiencies identified through triggering records and inspections for BMPs.

The permit requires WSDOT to prioritize BMPs that need non-typical repairs costing more than $25,000 and BMPs originally built without access roads. Prioritization is based on the amount of time needed to complete repairs, cost, and available funding. Table 2 lists the number of BMPs that need non-typical repairs and documents corrections made during this reporting period.

Table 2. *Permanent BMPs Requiring Additional Funding to Correct and Corrections Made.*

Region	BMPs Requiring Repairs > $25,000	BMPs Requiring Access Road	BMPs Corrected This Reporting Period (removed from count in first two columns)
Northwest	2		
Olympic	6	3	
Southwest	5		

CATCH BASIN MAINTENANCE

WSDOT inspected 27,196 catch basins. This represents 98 percent of planned inspections and exceeds the 95 percent permit requirement. The permit also requires WSDOT to correct 95 percent of deficiencies noted during inspections within six months of identification and 98 percent within a year unless there are circumstances beyond WSDOT's control. During this reporting period, WSDOT corrected 98 percent of catch basin deficiencies within six months and 98 percent of deficiencies within one year.

Figure 4. Southwest Region Area 1 crew reconstruct a bioswale in need of maintenance.

FERRY TERMINAL MAINTENANCE AND OPERATIONS

Terminal Stormwater Pollution Prevention Plans

Similar to maintenance facility SWPPPs, Washington State Ferries (WSF) implements a SWPPP at each ferry terminal. WSF uses most of the BMPs identified in the SWPPP as standard procedures, regardless of whether a terminal is covered by the permit. Each terminal keeps a copy of the SWPPP on site and maintains a formal inspection log. To ensure the SWPPP is implemented properly, the permit requires WSF to inspect terminal sites with SWPPPs twice a year. During this reporting period, WSF completed 100 percent of planned inspections, exceeding the 95 percent permit requirement.

Training

WSF uses a programmatic staff training approach, allowing them to meet the operational demands of nearly 450 scheduled daily sailings and staff schedules. As an example of the programmatic training approach, when a stormwater issue is noted during the monthly stormwater inspections, a corrective action is documented in the inspection log and discussed with the terminal supervisor. The inspector or the supervisor then informally trains terminal staff to resolve and prevent the issue.

In addition to the programmatic training approach, 227 new employees assigned to work at WSF terminals received stormwater training. Nine terminal supervisors received stormwater training during this reporting period.

STORMWATER MONITORING AND EFFECTIVENESS STUDIES

WSDOT has two annual reports for NPDES studies that cover permit related highways and facilities monitoring activities over water year 2022 (October 1, 2021-September 30, 2022). The reports are submitted to Ecology by October 31st each year and made available here:

https://wsdot.wa.gov/construction-planning/protecting-environment/managing-stormwater-state-highways.

New Highway BMP Effectiveness Studies

WSDOT planned and constructed two sites for the new highway BMP study that test the effectiveness of existing swales that are older than their expected life spans. As of the end of this reporting period, WSDOT has collected water quality samples and hydrology data at both sites. More sampling will need to occur to obtain the number of samples needed to complete the study.

New BMP Effectiveness Studies at Maintenance Facilities

WSDOT constructed the two new compost amended bioswale (CAB) BMP effectiveness study sites in maintenance facilities in Tumwater and Spokane. As of the end of this reporting period, WSDOT has collected water quality samples and hydrology data at the Tumwater facility. WSDOT is also working on adaptive management strategies at the Spokane site in order to obtain scientifically credible data.

EDUCATION AND PUBLIC INVOLVEMENT

In addition to being a permit requirement, WSDOT considers education and public involvement good practice. WSDOT encourages continuous and meaningful public involvement through public meetings regarding project-specific environmental review documentation and alternatives for managing stormwater. WSDOT also encourages the public to comment on its Roadside Vegetation Management and Stormwater Management Program plans. Further, WSDOT's Adopt-a-Highway and Commute Trip Reduction programs help educate and involve the public in pollutant source reduction.

Adopt-a-Highway

WSDOT's Adopt-a-Highway program gives organizations, groups, and businesses the opportunity to help keep stormwater clean by picking up the litter along highways. WSDOT collects and disposes of most of the bags filled by volunteer groups. During this reporting period, 558 volunteer groups reported 7,974 hours and picked up 11,163 bags of litter.

Businesses that sponsor sections of highway hire contractors to pick up and dispose of litter. During this reporting period, contractors hired by 238 sponsor groups picked up 11,171 bags of litter.

Commute Trip Reduction

WSDOT works with local governments and employers at over 1,000 worksites to implement Commute Trip Reduction (CTR) techniques. These include subsidies for public transit fares and carpooling, flexible work schedules, and telework opportunities. With WSDOT's technical support and help from the online tools available at rideshareonline.com, between 2007 and 2022, employees reduced their vehicle miles traveled by over 40%. In addition, commuters saved nearly $200 million in fuel expenses. Removing vehicles from the roadways and reducing emissions that enter the atmosphere improves water quality by decreasing the amount of pollutants deposited on the roadway and entering stormwater systems.

CTR data is collected on a two-year calendar cycle. Compared to the 2007-08 cycle, during the 2021-23 cycle:

- Participating commuters reduced their rate of driving alone to work by almost 72 percent.
- The cars left at home by CTR-affected employees every weekday represent about one lane of bumper-to-bumper traffic stretching 125 miles (equivalent to the distance from Bellingham to Tacoma).
- These avoided vehicle trips saved over 50 million gallons of fuel and reduced annual greenhouse gas emissions by 450,000 metric tons.
- CTR participation reduced tire wear and the amount of the tire rubber-derived chemical 6PPD-quinone introduced to Washington roadways. 6PPD-quinone is acutely toxic to a variety of aquatic species and responsible for the urban runoff mortality syndrome impacting coho salmon.

The COVID-19 pandemic disrupted CTR surveying during the 2021-23 survey cycle, which ran from July 1, 2021 to June 30, 2023. Efforts are underway to help sustain the increase in telework attributable to the large numbers of employees working remotely during the pandemic. However, there is still an expectation that the CTR results will not maintain the gains shown during this cycle as telework rates continue to attenuate across the country.

ENVIRONMENTAL JUSTICE

The HEAL Act (Chapter 70A.02 RCW) outlines how state agencies should consider community needs and environmental justice in their work. The goals of this new state environmental justice law align with legislative direction under Move Ahead Washington for WSDOT to implement its stormwater retrofit program in a way that addresses health disparities across the state. Consistent with the HEAL Act, WSDOT's goal is that 40% of stormwater retrofit improvement investments across the state will be directed to eliminate or reduce health disparities for vulnerable populations and overburdened communities, as well as consideration of tribal treaty rights. WSDOT will utilize tools such as the Department of Health's Environmental Health Disparities Map and outreach efforts to work with partners and interested parties to ensure that this element of prioritization is meaningfully incorporated into the stormwater retrofit program.

WSDOT is soliciting input from federal, state, and local agencies, tribes, scientists and researchers, NGO's, and other interested parties to incorporate their input on WSDOT's stormwater retrofit prioritization update as well as specific priority locations for WSDOT's consideration for stormwater retrofit projects. The information gathered in WSDOT's outreach efforts will be incorporated into a science-based, equitable planning tool used to distribute stormwater retrofit projects across the state while aiming to meet WSDOT's HEAL Act and Move Ahead Washington goals and consider tribal treaty rights.

INTERNET SITE

WSDOT shares stormwater-related information with the public on its website. During this reporting period, WSDOT redesigned its website to focus on public user needs and to better organize content. Updated information about the agency's stormwater permit program, municipal stormwater reports, and other activities can be found at https://wsdot.wa.gov/construction-planning/protecting-environment/managing-stormwater-state-highways. Documents posted on this webpage include the Stormwater Report, Stormwater Monitoring Reports, and Stormwater Management Program Plan.

No new stormwater research was added to the research library during the reporting period. WSDOT continued researching the "Characterization of First Flush Phenomenon and Total Storm Event Pollutant Distribution" during the reporting period. Additional WSDOT research is available at https://wsdot.wa.gov/about/library-research-reports/research-reports.

KNOWLEDGE AND TECHNOLOGY TRANSFER

WSDOT maintains communication and coordinates with local, state, and national programs to share resources, promote and conduct stormwater research, and stay up to date on stormwater research developments and innovations. In addition to sharing information and knowledge with others, WSDOT greatly benefits from the information shared during events and from participating in advisory groups, committees, and partnerships, including:

- Permit coordination and implementation:
  - Phase I Permit Coordinators
  - Phase II NPDES Permit Coordinators
  - Central Sound Phase II Group
  - South Sound Phase II Group
  - Municipal Environmental Justice Workgroup
  - Washington Stormwater Center Environmental Justice Salon
  - Stormwater Technical Advisory Committee
  - Regional Operations and Maintenance Program
  - Street Maintenance Solids Meetings
  - Stormwater Technology Testing Center

- State and Regional Committees and Advisory Groups:
  - American Public Works Association Stormwater Managers Committee
  - Stormwater Technical Resource Center Advisory Committee
  - Ecology's Technology Assessment Protocol (TAPE) Stakeholder Advisory Group
  - American Society of Civil Engineers Water Resources Committee
  - Clarks Creek Advisory Group
  - Stormwater Work Group State Agency Caucus
  - Interagency Project Team
  - Puget Sound Stormwater and Transportation Charter Group
  - Lower Duwamish Waterway Source Control Work Group

- National Committees and Advisory Groups:
  - American Association of State Highway and Transportation Officials
    - Committee on Environment and Sustainability
    - Stormwater Subcommittee
  - Transportation Research Board annual meetings
  - Transportation Research Board Committees on Hydrology and Hydraulics, Stormwater and Landscape and Environmental Design
  - National Cooperative Highway Research Program
  - Interstate Technology and Regulatory Council Tire Anti-Degradants (6PPD) Team
  - TransNow

Table 3. *TMDL Implementation Summary Table*

TMDL Name	WSDOT's Required Actions	Implementation Deadlines	Status of Compliance
Deschutes River, Percival Creek, and Budd Inlet Tributaries TMDL (Temperature, Fecal Coliform, Dissolved Oxygen, pH, Fine Sediment)	With NPDES Phase II areas WSDOT will implement permit obligations that address the TMDL-listed pollutants and participate in adaptive management as needed.	On-going	A trail of diesel was reported on SR I-5 near MP 105 from unknown vehicle. WSDOT was able to apply absorbents and clean up spill that was contained to roadway without any MS4 impacts on 9/13/2021.
Hangman Creek TMDL (Fecal Coliform, Temperature, TSS/Turbidity)	Prepare addendum to the initial inventory findings report. Include updates on potential TMDL concerns, and follow-up actions taken and/or notification to others where a concern has been identified but occurred outside WSDOT's right-of-way and control.	Submit 6 months after initial inventory findings report	Summary of Inventory Findings Reports were submitted to Ecology on 2/8/13 and 2/28/14 (summarizing findings from 2012 and 2013 field work, respectively). An Addendum was submitted to Ecology on 8/29/14.
	If stormwater discharges that transport bacteria over natural background levels to listed receiving waters are found from sources within WSDOT's right-of-way and control, WSDOT will apply BMPs from their SWMPP or perform remediation to correct bacteria discharges. For run-on sources of bacteria identified by WSDOT that are from outside of WSDOT's right-of-way, WSDOT will notify Ecology and work cooperatively with Ecology, the local jurisdiction, and other parties involved for their resolution.	As needed	Contact WSDOT's TMDL Lead for copies of the Hangman Creek TMDL Summary of Inventory Findings Reports (2/8/13 and 2/28/14) and Addendum (8/29/14), which contain details on TMDL concerns found and follow-up actions taken and/or notification to others where we identified a concern outside WSDOT's right-of-way. No new sources identified.
	To address TSS/turbidity associated with adjacent erosion (run-on) including delivery that results from farming activities, WSDOT will work cooperatively with Ecology, the local jurisdiction, and other parties involved to prevent sediment from entering area waterways. At a minimum, WSDOT will: 1.) spend one day annually performing a highway evaluation with Ecology regional staff to document up to 15 erosion problem sites, 2.) Collaborate with Ecology on developing a map of problem sites, 3.) Refer up to three priority sites annually to Ecology for follow-up, 4.) Adaptively manage with Ecology as needed.	On-going	WSDOT and Ecology staff completed the annual highway evaluation to identify erosion problem sites in April 2023. Ecology added the problem sites to their non-point source mapping tool. WSDOT referred three priority erosion problem sites to Ecology on 5/30/23.

TMDL Implementation Summary Table

TMDL Name	WSDOT's Required Actions	Implementation Deadlines	Status of Compliance
Issaquah Creek Basin TMDL (Fecal Coliform)	If stormwater discharges that transport bacteria over natural background levels to listed receiving waters are found from sources within WSDOT's right-of-way and control, WSDOT will apply BMPs from their SWMPP or perform remediation to correct bacteria discharges. For run-on sources of bacteria identified by WSDOT that are from outside of WSDOT's right-of-way, WSDOT will notify Ecology and work cooperatively with Ecology, the local jurisdiction, and other parties involved for their resolution.	As needed	Contact WSDOT's TMDL Lead for copies of the Issaquah Creek TMDL Summary of Inventory Findings Report (3/28/12) and Addendum (9/28/12), which contain details on TMDL concerns found and follow-up actions taken and/or notification to others where we identified a concern outside WSDOT's right-of-way and control. No new sources identified.
Little Bear Creek TMDL (Fecal Coliform)	If stormwater discharges that transport bacteria over natural background levels to listed receiving waters are found from sources within WSDOT's right-of-way and control, WSDOT will apply BMPs from their SWMPP or perform remediation to correct bacteria discharges. For run-on sources of bacteria identified by WSDOT that are from outside of WSDOT's right-of-way, WSDOT will notify Ecology and work cooperatively with Ecology, the local jurisdiction, and other parties involved for their resolution.	As needed	Contact WSDOT's TMDL Lead for copies of the Little Bear Creek TMDL Summary of Inventory Findings Report (3/28/12) and Addendum (9/28/12), which contain details on TMDL concerns found and follow-up actions taken and/or notification to others where we identified a concern outside WSDOT's right-of-way and control. No new sources identified.
Nisqually River Tributaries TMDL (Fecal Coliform and Dissolved Oxygen)	Provide replacement bags at pet waste station on the dike at McAllister Creek or close access to the dike.	As needed	Replacement bags provided as needed.
	Participate in adaptive management meetings.	As needed	Not applicable during the reporting period.

TMDL Implementation Summary Table

TMDL Name	WSDOT's Required Actions	Implementation Deadlines	Status of Compliance
North Fork Palouse River TMDL (Dissolved Oxygen, pH)	If stormwater discharges that transport nitrogen over natural background levels to listed receiving waters are found from sources within WSDOT's right-of-way and control, WSDOT will apply BMPs from their SWMP or perform remediation to correct nitrogen discharges.	As needed	No new sources identified.
	WSDOT will implement their IDDE program	On-going	No IDDE events were reported.
	WSDOT will minimize the potential nitrogen impacts from hydro-seed and chemical treatments within the TMDL boundary.	On-going	Potential nitrogen impacts from hydro-seeding and chemical treatments are minimal due to the small amount of large construction projects in the North Fork Palouse watershed. Furthermore, it is standard practice to use compost and/or slow-release organic fertilizer in this watershed for various reasons, such as native seed requiring less nitrogen. When feasible, drill seeding is used instead of hydro-seeding.
	To address nitrogen delivery associated with adjacent erosion (run-on) including delivery that results from farming activities, WSDOT will work cooperatively with Ecology, the local jurisdiction, and other parties involved to prevent sediment from entering area waterways. At a minimum, WSDOT will: 1.) spend one day annually performing a highway evaluation with Ecology regional staff to document up to 15 erosion problem sites, 2.) Collaborate with Ecology on developing a map of the problem sites, 3.) Refer up to three priority sites annually to Ecology for follow-up, 4.) Adaptively manage with Ecology as needed.	On-going	WSDOT and Ecology staff completed the annual highway evaluation to identify erosion problem sites in April 2023. Ecology added potential problem sites to their non-point source mapping tool. WSDOT referred three priority erosion problem sites to Ecology on 5/30/23.

TMDL Name	WSDOT's Required Actions	Implementation Deadlines	Status of Compliance
Oakland Bay, Hammersley Inlet, and Selected Tributaries TMDL (Fecal Coliform)	Work with Ecology, Squaxin Island Tribe, and Mason County to determine potential sources of fecal coliform within WSDOT's right-of-way and control on a limited number of high priority highway stormwater discharge locations to Oakland Bay.[1]	On-going	Not applicable during the reporting period.
	Inventory highway discharge locations, implement pollutant source identification, and identification of illicit sources of bacteria to WSDOT's stormwater conveyance system within the TMDL boundary. Refer to Appendix 3 of the permit for specific details on prioritization and geographic scope of inventory efforts.	Complete by December 2015	Discharge inventory completed on 1/6/15.
	Prepare inventory findings report.	Submit by December 2015	Summary of Inventory Findings Report was submitted to Ecology on 12/28/15.
	Prepare addendum to the initial inventory findings report. Include updates on potential TMDL concerns, and follow-up actions taken and/or notification to others where a concern has been identified but occurred outside WSDOT's right-of-way and control.	Submit 6 months after initial inventory findings report	Addendum was submitted to Ecology on 6/23/16.
	If stormwater discharges that transport bacteria over natural background levels to listed receiving waters are found from sources within WSDOT's right-of-way and control, WSDOT will apply BMPs from their SWMPP or perform remediation to correct bacteria discharges. For run-on sources of bacteria identified by WSDOT that are from outside of WSDOT's right-of-way, WSDOT will notify Ecology and work cooperatively with Ecology, the local jurisdiction, and other parties involved for their resolution.	As needed	Contact WSDOT's TMDL Lead for copies of the Oakland Bay TMDL Summary of Inventory Findings Report (12/28/15) and Addendum (6/23/16), which contain details on TMDL concerns found and follow-up actions taken and/or notification to others where we identified a concern outside WSDOT's right-of-way and control. No new sources identified.

TMDL Implementation Summary Table

TMDL Name	WSDOT's Required Actions	Implementation Deadlines	Status of Compliance
Palouse River Watershed TMDL (Fecal Coliform)	Implement fecal coliform programmatic approach[2] within the TMDL boundary. These efforts will focus identification of illicit sources of bacteria and sediment discharge to WSDOT's stormwater conveyance system. Refer to Appendix 3 of the permit for specific details on prioritization and geographic scope of inventory efforts.	Complete by March 2015	Discharge inventory completed in June 2014.
	Prepare inventory findings report.	Submit by March 2015	Summary of Inventory Findings Report was submitted to Ecology on 1/5/15.
	Prepare addendum to the initial inventory findings report. Include updates on potential TMDL concerns, and follow-up actions taken and/or notification to others where a concerns has been identified but occurred outside WSDOT's right-of-way and control.	Submit 6 months after initial inventory findings report	Addendum was submitted to Ecology on 7/21/15.
	If stormwater discharges that transport bacteria over natural background levels to listed receiving waters are found from sources within WSDOT's right-of-way and control, WSDOT will apply BMPs from their SWMPP or perform remediation to correct bacteria discharges. For run-on sources of bacteria identified by WSDOT that are from outside of WSDOT's right-of-way, WSDOT will notify Ecology and work cooperatively with Ecology, the local jurisdiction, and other parties involved for their resolution.	As needed	Contact WSDOT's TMDL Lead for copies of the Palouse River TMDL Summary of Inventory Findings Report (1/5/15) and Addendum (7/21/15), which contain details on TMDL concerns found and follow-up actions taken and/or notification to others where we identified a concern outside WSDOT's right-of-way and control. No new sources identified.
Samish Bay Watershed TMDL (Fecal Coliform)	Participate in TMDL adaptive management process.	On-going	Not applicable during the reporting period.

TMDL Name	WSDOT's Required Actions	Implementation Deadlines	Status of Compliance
South Fork Palouse River TMDL (Fecal Coliform)	Prepare addendum to the initial inventory findings report. Include updates on potential TMDL concerns, and follow-up actions taken and/or notification to others where a concern has been identified but occurred outside WSDOT's right-of-way and control.	Submit 6 months after initial inventory findings report	Summary of Inventory Findings Report submitted to Ecology on 1/15/14. Addendum submitted to Ecology on 7/15/14 to provide an update on identified issues.
	If stormwater discharges that transport bacteria over natural background levels to listed receiving waters are found from sources within WSDOT's right-of-way and control, WSDOT will apply BMPs from their SWMPP or perform remediation to correct bacteria discharges. For run-on sources of bacteria identified by WSDOT that are from outside of WSDOT's right-of-way, WSDOT will notify Ecology and work cooperatively with Ecology, the local jurisdiction, and other parties involved for their resolution.	As needed	Contact WSDOT's TMDL Lead for copies of the South Fork Palouse River TMDL Summary of Inventory Findings Report (1/15/14) and Addendum (7/15/14), which contain details on TMDL concerns found and follow-up actions taken and/or notification to others where we identified a concern outside WSDOT's right-of-way and control. No new sources identified.
	Annually inspect under the Highway 195 bridge in Colfax and taken any necessary action to prevent pigeons from roosting there.	Perform inspection annually; Initiate action to prevent pigeon roosting within 90 days of annual inspection	Annual inspection completed 3/16/23. No pigeons or nests were observed but a small amount of guano was observed. Pictures were submitted to Ecology on 3/17/23.
	Implement programmatic approach at Highway 195 stormwater discharge locations and stormwater conveyance ditches discharging into Dry Fork Creek south of Pullman, WA.	Complete by March 2015	Discharge inventory completed in May 2014. Findings included in the Addendum, submitted to Ecology on 7/15/14.

TMDL Implementation Summary Table

TMDL Name	WSDOT's Required Actions	Implementation Deadlines	Status of Compliance
South Prairie Creek Watershed TMDL (Fecal Coliform and Temperature)	If stormwater discharges that transport bacteria over natural background levels to listed receiving waters are found from sources within WSDOT's right-of-way and control, WSDOT will apply BMPs from their SWMPP or perform remediation to correct bacteria discharges. For run-on sources of bacteria identified by WSDOT that are from outside of WSDOT's right-of-way, WSDOT will notify Ecology and work cooperatively with Ecology, the local jurisdiction, and other parties involved for their resolution.	As needed	No new sources identified.
	Participate in annual adaptive management meetings.	As needed	Not applicable during the reporting period.
Spokane River Watershed TMDL (Dissolved Oxygen)	Prepare addendum to the initial inventory findings report. Include updates on potential TMDL concerns, and follow-up actions taken and/or notification to others where a concern has been identified but occurred outside WSDOT's right-of-way and control.	Submit 6 months after initial inventory findings report	Summary of Inventory Findings Report submitted to Ecology on 10/15/13. Addendum submitted to Ecology on 4/15/14 to provide an update on identified issues.
	If stormwater discharges that transport phosphorus and ammonia over natural background levels to listed receiving waters are found from sources within WSDOT's right-of-way and control, WSDOT will apply BMPs from their SWMPP or perform remediation to correct bacteria discharges. For run-on sources of phosphorus and ammonia identified by WSDOT that are from outside of WSDOT's right-of-way, WSDOT will notify Ecology and work cooperatively with Ecology, the local jurisdiction, and other parties involved for their resolution.	As needed	Contact WSDOT's TMDL Lead for copies of the Spokane River Watershed TMDL Summary of Inventory Findings Report (10/15/13) and Addendum (4/15/14), which contain details on TMDL concerns found and follow-up actions taken and/or notification to others where we identified a concern outside WSDOT's right-of-way and control. No new sources identified.

TMDL Name	WSDOT's Required Actions	Implementation Deadlines	Status of Compliance
Stillaguamish River Watershed TMDL (Fecal Coliform, Dissolved Oxygen, pH, Mercury, Arsenic and Temperature)	If stormwater discharges that transport bacteria over natural background levels to listed receiving waters are found from sources within WSDOT's right-of-way and control, WSDOT will apply BMPs from their SWMPP or perform remediation to correct bacteria discharges. For run-on sources of bacteria identified by WSDOT that are from outside of WSDOT's right-of-way, WSDOT will notify Ecology and work cooperatively with Ecology, the local jurisdiction, and other parties involved for their resolution.	As needed	Contact WSDOT's TMDL Lead for copies of the Stillaguamish River TMDL Summary of Inventory Findings Report (12/28/12) and Addendum (5/29/13), which contain details on TMDL concerns found and follow-up actions taken and/or notification to others where we identified a concern outside WSDOT's right-of-way and control. Three fuel spills were reported on SR 530 and all were cleaned up and resolved. On 4/27/23 a caller reported sand and gravel on roadway from a gravel pit. Ecology was notified and is within their permit jurisdiction. Gravel company will increase sweeping routine. No impacts to Stillaguamish River.
	Provide replacement bags and maintain educational signage at pest waste management stations at I-5 rest areas.	As needed	Replacement bags provided as needed.
Swamp Creek Basin TMDL (Fecal Coliform)	If stormwater discharges that transport bacteria over natural background levels to listed receiving waters are found from sources within WSDOT's right-of-way and control, WSDOT will apply BMPs from their SWMPP or perform remediation to correct bacteria discharges. For run-on sources of bacteria identified by WSDOT that are from outside of WSDOT's right-of-way, WSDOT will notify Ecology and work cooperatively with Ecology, the local jurisdiction, and other parties involved for their resolution.	As needed	Contact WSDOT's TMDL Lead for copies of the Swamp Creek TMDL Summary of Inventory Findings Report (3/28/12) and Addendum (9/28/12), which contain details on TMDL concerns found and follow-up actions taken and/or notification to others where we identified a concern outside WSDOT's right-of-way and control. No new sources identified.
Teanaway River TMDL (Temperature)	Maintain roads and roadside stormwater conveyance ditches to prevent entry of sediment into area waterways.	On-going	On-going

TMDL Implementation Summary Table

TMDL Name	WSDOT's Required Actions	Implementation Deadlines	Status of Compliance
Totten, Eld and Skookum Inlets Tributaries TMDL (Fecal Coliform and Temperature)	If stormwater discharges that transport bacteria over natural background levels to listed receiving waters are found from sources within WSDOT's right-of-way and control, WSDOT will apply BMPs from their SWMPP or perform remediation to correct bacteria discharges. For run-on sources of bacteria identified by WSDOT that are from outside of WSDOT's right-of-way, WSDOT will notify Ecology and work cooperatively with Ecology, the local jurisdiction, and other parties involved for their resolution.	As needed	Summary of Inventory Findings Report submitted to Ecology on 6/4/13. Addendum submitted to Ecology on 12/4/13 to provide an update on identified issues. Contact WSDOT's TMDL Lead for copies of the Summary of Inventory Findings Report and Addendum, which contains details on TMDL concerns found and follow-up actions taken and/or notification to others where we identified a concern outside WSDOT's right-of-way and control. No new sources identified.
Tucannon River Watershed TMDL (Temperature)	Maintain roads and roadside stormwater conveyance ditches to prevent sediment from entering area waterways.[3]	On-going	On-going
Upper Yakima River Watershed TMDL (Suspended Sediment, and Organochlorine Pesticide)	Maintain roads and roadside stormwater conveyance ditches to prevent sediment from entering area waterways.[3]	On-going	On-going
Walla Walla River Watershed TMDL (Fecal Coliform, PCBs, Chlorinated Pesticide, Temperature, pH and Dissolved Oxygen)	The US 12 project will re-route 97 percent of the highway's traffic volume to the plateau located well above the Walla Walla River.	In progress	Phase 7 of construction is open to traffic and construction is almost complete. Phase 8 is funded.
	Where feasible, WSDOT will implement infiltration and/or dispersion to address the pollutants covered under this TMDL.	On-going	On-going
	WSDOT will follow the current Integrated Roadside Vegetation Management Plan (South Central Region, Area 4) within the Walla Walla TMDL boundary.	On-going	On-going

TMDL Implementation Summary Table

TMDL Name	WSDOT's Required Actions	Implementation Deadlines	Status of Compliance
Bear-Evans TMDL (Fecal Coliform, Dissolved Oxygen, and Temperature) **Clarks Creek TMDL (Dissolved Oxygen, Sediment)** **Green River TMDL (Temperature)** **Henderson Inlet Watershed TMDL (Fecal Coliform)** **Liberty Bay Watershed TMDL (Fecal Coliform)** **Newaukum Creek TMDL (Temperature)** **Puyallup River Watershed TMDL (Fecal Coliform)** **Salmon Creek Watershed TMDL (Temperature)** **Sinclair and Dyes Inlet TMDL (Fecal Coliform)** **Snoqualmie River TMDL (Temperature)** **Upper Naches River and Cowiche Creek TMDL (Temperature)** **Whatcom, Squalicum and Padden Creeks TMDL (Temperature)**	Implement WSDOT's NPDES municipal permit obligations that address the TMDL-listed pollutants.	On-going	On-going

1. This work may include but is not limited to, site visits, data review, and collaborative problem solving. If sources are identified within WSDOT's control, WSDOT will develop a plan and initiate efforts to apply best management practices from their SWMPP or perform remediation to correct the situations.
2. For information regarding WSDOT's programmatic approach, please refer to Appendix 3 of the permit.
3. WSDOT implements the Regional Road Maintenance ESA Program (https://wsdot.wa.gov/construction-planning/protecting-environment/regional-roadside-maintenance) covering routine maintenance activities related to aspects of WSDOT's stormwater facilities and stream crossings.

Table 4. *Stormwater BMPs Built Statewide During the 2023 Reporting Period*

State Route	Region	In Permit Area	In TMDL Area included in WSDOT's permit	Project Name	Infiltration[1]	Dispersion[2]	Biofiltration[3]	Wet Pool[4]	Total
500	Southwest	Yes	No	SR 500/NE 182nd Ave - Intersection Improvements			1		1
009	Northwest	Yes	No	S9, Bickford Ave Intersection Improvements			2	1	3
202	Northwest	Yes	Yes	SR 202, Evans Crk Vic To Se Fish Hatcher Vic Stormwater Retrofit			2		2
090	Northwest	Yes	No	I-90, Eastgate To SR 900 Corridor Improvements			1	1	2
009	Northwest	Yes	No	SR 9, Lake Creek And Norway Park Creek Fish Passage			1		1
009	Northwest	Yes	No	SR 9, South Lake Stevens Road Intersection Improvements				1	1
900	Northwest	Yes	No	SR 900/68th Ave S Vicinity - Pedestrian Safety - Phase 2			2		2
167	Olympic	Yes	Yes	SR 167, SR 410 To SR 18 NB Congestion Management			6	2	8
125	South Central	Yes	Yes	SR 125, Oregon State Line To Military Rd	5				5
				Total	5		15	5	25

1. Infiltration includes: Infiltration Trench, Infiltration Pond, Infiltration Swale, Infiltration Vault, and Drywell.
2. Dispersion includes: Natural Dispersion, and Engineered Dispersion.
3. Biofiltration includes: Biofiltration Swale, Wet Biofiltration Swale, Bioinfiltration Pond, Vegetated Filter Strip, Compost Amended Vegetated Filter Strip, and Media Filter Drain.
4. Wet Pool includes: Constructed Stormwater Treatment Wetland - Detention Pond, Combined Stormwater Treatment Wetland/Detention Pond, Constructed Stormwater Treatment Wetland, Combined Wet/Detention Pond, and Detention Pond.

Appendix 3 Detailed IDDE Issues Table

Table 5. *Summary of IDDE Issues and Remediation Activities*

Date	Type of Discharge	State Route	Milepost	Discovery	Pollutant	Action Taken	G3 Notification to Ecology	Status
7/2/2022	Discharge/Traffic Spill	129	35	Asotin County	Oil		No	Resolved
7/2/2022	Discharge/Traffic Spill	9	58	WSP	Fuel	Cleaned	No	Resolved
7/5/2022	Discharge/Traffic Spill	7	58.4	WSP	Oil	Cleaned	No	Resolved
7/6/2022	Discharge/Traffic Spill	405	8.9	TMS	Fuel	Cleaned	No	Resolved
7/6/2022	Discharge/Traffic Spill	5	133.69	WSP	Transmission Fluid	Cleaned	No	Resolved
7/7/2022	Discharge/Traffic Spill	522	9.71	Business Owner	Oil	Cleaned	No	Resolved
7/7/2022	Discharge/Traffic Spill	5	232.83	WSP	Diesel	Cleaned	No	Resolved
7/7/2022	Discharge/Traffic Spill	405	8.55	Flatiron Construction	Diesel		Yes	Resolved
7/8/2022	Discharge/Traffic Spill	90	4.48	TMS	Oil	Cleaned	No	Resolved
7/8/2022	Discharge/Traffic Spill	20	106.05	WSDOT	Diesel	Cleaned	No	Resolved
7/10/2022	Discharge/Traffic Spill	20	47.89	Skagit County	Vehicle Fluids	Cleaned	No	Resolved
7/10/2022	Discharge/Traffic Spill	12	307	WSP	Oil	Cleaned	No	Resolved
7/12/2022	Discharge/Traffic Spill	243	28.26	WSP	Diesel	Cleaned	No	Resolved
7/13/2022	Discharge/Traffic Spill	405	0	WSP	Diesel	Cleaned	No	Resolved
7/13/2022	Discharge/Traffic Spill	5	154.65	TMS	Fuel	Cleaned	No	Resolved
7/13/2022	Illicit Connection	109	20.4	Property Owner	None		No	Resolved
7/14/2022	Discharge/Traffic Spill	500	1.1	WSDOT	Oil	Cleaned	No	Resolved
7/14/2022	Discharge/Traffic Spill	5	151.15	Citizen	Turbid Water	Cleaned	No	Resolved
7/15/2022	Discharge/Traffic Spill	395	228	WSP	Concrete	Cleaned	No	Resolved
7/16/2022	Discharge/Traffic Spill	90	47	WSP	Fuel	Cleaned	No	Resolved
7/17/2022	Discharge/Traffic Spill	110	4	WSP	Diesel	Cleaned	No	Resolved
7/18/2022	Discharge/Traffic Spill	5	1	WSP	Vehicle Fluids	Cleaned	No	Resolved
7/20/2022	Discharge/Traffic Spill	524	12.4	WSP	Oil	Cleaned	No	Resolved

Detailed IDDE Issues Table

Date	Type of Discharge	State Route	Milepost	Discovery	Pollutant	Action Taken	G3 Notification to Ecology	Status
7/20/2022	Discharge/Traffic Spill	5	193.57	TMS	Fuel	Cleaned	No	Resolved
7/20/2022	Discharge/Traffic Spill	5	205	WSP	Diesel	Cleaned	No	Resolved
7/21/2022	Discharge/Traffic Spill	405	7.47	WSP	Coolant	Cleaned	No	Resolved
7/22/2022	Discharge/Traffic Spill	167	5.46	WSP	Diesel	Cleaned	No	Resolved
7/22/2022	Discharge/Traffic Spill	195	11.6	WSP	Paint		No	Resolved
7/22/2022	Discharge/Traffic Spill	18	15.7	TMS	Vehicle Fluids	Cleaned	No	Resolved
7/22/2022	Illicit Discharge	5	104.36	Citizen	Turbid Water		No	Resolved
7/23/2022	Illicit Discharge	5	107.3	Citizen	Solid Waste/Trash	Cleaned	Yes	Resolved
7/25/2022	Discharge/Traffic Spill	512	10.1	WSP	Oil		No	Resolved
7/27/2022	Discharge/Traffic Spill	705	0	WSP	Fuel	Cleaned	No	Resolved
7/27/2022	Discharge/Traffic Spill	395	179.53	WSP	Oil		No	Resolved
7/28/2022	Discharge/Traffic Spill	197	0.8	WSP	Oil	Cleaned	No	Resolved
7/28/2022	Discharge/Traffic Spill	5	42	WSP	Fuel	Cleaned	No	Resolved
7/28/2022	Discharge/Traffic Spill	5	167.7	WSP	Firefighting Foam	Cleaned	Yes	Resolved
7/29/2022	Discharge/Traffic Spill	90	4.3	Mercer Island FD	Oil	Cleaned	No	Resolved
7/29/2022	Discharge/Traffic Spill	12	163	WSP	Vehicle Fluids	Cleaned	No	Resolved
7/29/2022	Discharge/Traffic Spill	4	12.2	WSP	Fuel	Cleaned	Yes	Resolved
7/31/2022	Discharge/Traffic Spill	512	1.22	WSP	Fuel	Cleaned	No	Resolved
8/1/2022	Discharge/Traffic Spill	503	8	WSP	Paint	Cleaned	No	Resolved
8/1/2022	Discharge/Traffic Spill	7	58.35	WSP	Oil	Cleaned	No	Resolved
8/4/2022	Discharge/Traffic Spill	221	24	WSDOT	Oil	Cleaned	No	Resolved
8/4/2022	Discharge/Traffic Spill	5	132.86	WSP	Oil	Cleaned	No	Resolved
8/7/2022	Discharge/Traffic Spill	97	54	WSP	Oil	Cleaned	No	Resolved
8/8/2022	Discharge/Traffic Spill	161	34.5	WSP	Diesel	Cleaned	No	Resolved

Detailed IDDE Issues Table

Date	Type of Discharge	State Route	Milepost	Discovery	Pollutant	Action Taken	G3 Notification to Ecology	Status
8/8/2022	Illicit Discharge	405	21.1	City of Kirkland	Unknown		No	Resolved
8/9/2022	Discharge/Traffic Spill	6	17.2	WSP	Hydraulic Oil	Cleaned	Yes	Resolved
8/10/2022	Discharge/Traffic Spill	547	5	Citizen	Vehicle Fluids	Cleaned	No	Resolved
8/14/2022	Discharge/Traffic Spill	26	82.99	WSP	Transmission Fluid	Cleaned	No	Resolved
8/17/2022	Discharge/Traffic Spill	405	28.38	TMS	Transmission Fluid	Cleaned	No	Resolved
8/20/2022	Discharge/Traffic Spill	14	0.75	Responsible Party	Diesel	Cleaned	No	Resolved
8/21/2022	Discharge/Traffic Spill	26	82.99	WSP	Oil		No	Resolved
8/21/2022	Discharge/Traffic Spill	5	168	Citizen	Oil	Cleaned	No	Resolved
8/22/2022	Discharge/Traffic Spill	5	97.2	WSP	Diesel	Cleaned	No	Resolved
8/23/2022	Discharge/Traffic Spill	12	15.41	WSP	Fuel	Cleaned	No	Resolved
8/26/2022	Discharge/Traffic Spill	14	177	WSP	Hydraulic Oil	Cleaned	No	Resolved
8/28/2022	Discharge/Traffic Spill	167	17.17	WSP	Transmission Fluid	Cleaned	Yes	Resolved
8/30/2022	Discharge/Traffic Spill	503	8.8	City of Battle Ground	Oil	Cleaned	No	Resolved
9/1/2022	Discharge/Traffic Spill	530	17.3	WSP	Oil		No	Resolved
9/2/2022	Discharge/Traffic Spill	99	25.45	TMS	Diesel	Cleaned	No	Resolved
9/2/2022	Discharge/Traffic Spill	5	9.5	WSP	Fuel	Cleaned	Yes	Resolved
9/7/2022	Discharge/Traffic Spill	526	0.7	WSDOT	Pesticide	Cleaned	No	Resolved
9/7/2022	Discharge/Traffic Spill	522	16.6	WSP	Cement		No	Resolved
9/7/2022	Discharge/Traffic Spill	101	346.8	WSP	Fuel	Cleaned	No	Resolved
9/8/2022	Discharge/Traffic Spill	405	10.6	Recology	Coolant	Cleaned	No	Resolved
9/9/2022	Discharge/Traffic Spill	12	138.5	WSP	Diesel	Cleaned	No	Resolved
9/12/2022	Discharge/Traffic Spill	240	43	WSP	Diesel	Cleaned	No	Resolved
9/12/2022	Discharge/Traffic Spill	2	237.99	WSDOT	Paint	Cleaned	No	Resolved
9/12/2022	Discharge/Traffic Spill	405	8	WSP	Paint	Cleaned	Yes	Resolved

Detailed IDDE Issues Table

Date	Type of Discharge	State Route	Milepost	Discovery	Pollutant	Action Taken	G3 Notification to Ecology	Status
9/12/2022	Illicit Discharge	405	19.85	Citizen	Solid Waste/Trash	Cleaned	No	Resolved
9/14/2022	Discharge/Traffic Spill	5	189.97	First Transit	Oil		No	Resolved
9/15/2022	Discharge/Traffic Spill	205	29.7	WSP	Diesel	Cleaned	No	Resolved
9/15/2022	Discharge/Traffic Spill	5	116	WSP	Oil	Cleaned	No	Resolved
9/15/2022	Discharge/Traffic Spill	97	235	WSP	Diesel		No	Resolved
9/16/2022	Illicit Discharge	405	10.2	Contractor	Diesel	Cleaned	Yes	Resolved
9/18/2022	Discharge/Traffic Spill	90	2.07	Seattle Fire Dept	Vehicle Fluids	Cleaned	No	Resolved
9/20/2022	Discharge/Traffic Spill	18	2.86	TMS	Oil	Cleaned	No	Resolved
9/20/2022	Discharge/Traffic Spill	500	4.8	WSP	Batteries	Cleaned	No	Resolved
9/20/2022	Discharge/Traffic Spill	5	13	WSP	Diesel	Cleaned	Yes	Resolved
9/21/2022	Discharge/Traffic Spill	20	72	TMS	Vehicle Fluids		No	Resolved
9/22/2022	Discharge/Traffic Spill	24	41	WSP	Diesel	Cleaned	No	Resolved
9/25/2022	Discharge/Traffic Spill	5	0	Bridge Tender	Vehicle Fluids		No	Resolved
9/28/2022	Discharge/Traffic Spill	5	273	WSP	Diesel	Cleaned	No	Resolved
9/29/2022	Discharge/Traffic Spill	90	189	WSP	Vehicle Fluids		No	Resolved
9/30/2022	Discharge/Traffic Spill	240	32	WSP	Vehicle Fluids	Cleaned	No	Resolved
10/1/2022	Discharge/Traffic Spill	90	225.05	WSDOT	Diesel		No	Resolved
10/3/2022	Discharge/Traffic Spill	90	52	WSP	Oil	Cleaned	No	Resolved
10/5/2022	Discharge/Traffic Spill	405	17.49	WSDOT	Vehicle Fluids	Cleaned	Yes	Resolved
10/8/2022	Discharge/Traffic Spill	28	28	WSP	Oil	Cleaned	No	Resolved
10/8/2022	Discharge/Traffic Spill	503	49.4	WSP	Vehicle Fluids	Cleaned	No	Resolved
10/12/2022	Discharge/Traffic Spill	5	46.5	WSP	Vehicle Fluids	Cleaned	No	Resolved
10/12/2022	Discharge/Traffic Spill	5	164.46	TMS	Diesel	Cleaned	No	Resolved
10/14/2022	Discharge/Traffic Spill	90	64	WSP	Diesel	Cleaned	No	Resolved

Detailed IDDE Issues Table

Date	Type of Discharge	State Route	Milepost	Discovery	Pollutant	Action Taken	G3 Notification to Ecology	Status
10/14/2022	Discharge/Traffic Spill	5	136.09	WSP	Oil		No	Resolved
10/15/2022	Discharge/Traffic Spill	530	33.68	TMS	Oil	Cleaned	No	Resolved
10/18/2022	Discharge/Traffic Spill	500	2.3	WSDOT	Oil	Cleaned	No	Resolved
10/18/2022	Discharge/Traffic Spill	161	13.15	WSP	Oil	Cleaned	No	Resolved
10/18/2022	Discharge/Traffic Spill	395	16	WSP	Oil	Cleaned	No	Resolved
10/18/2022	Discharge/Traffic Spill	12	185	WSP	Vehicle Fluids	Cleaned	No	Resolved
10/24/2022	Discharge/Traffic Spill	109	3.97	WSP	Oil	Cleaned	No	Resolved
10/24/2022	Illicit Discharge	900	21.3	City of Issaquah	Turbid Water		Yes	Resolved
10/25/2022	Discharge/Traffic Spill	9	19.4	City of Marysville	Vehicle Fluids		No	Resolved
10/27/2022	Discharge/Traffic Spill	520	1	WSP	Fuel	Cleaned	No	Resolved
10/27/2022	Discharge/Traffic Spill	5	171.5	King County Metro	Coolant		No	Resolved
10/27/2022	Discharge/Traffic Spill	101	302.5	WSP	Vehicle Fluids	Cleaned	No	Resolved
10/28/2022	Illicit Discharge	18	27.9	Contractor	Turbid Water	Cleaned	Yes	Resolved
10/29/2022	Illicit Discharge	5	168.12	Contractor	Turbid Water	Cleaned	Yes	Resolved
10/30/2022	Discharge/Traffic Spill	90	16.5	WSDOT	Diesel	Cleaned	No	Resolved
10/30/2022	Discharge/Traffic Spill	5	19	WSP	Vehicle Fluids	Cleaned	No	Resolved
10/31/2022	Discharge/Traffic Spill	82	5	WSP	Vehicle Fluids		No	Resolved
10/31/2022	Discharge/Traffic Spill	16	12.01	WSP	Oil		No	Resolved
10/31/2022	Discharge/Traffic Spill	3	34.95	WSP	Cleaning Chemical	Cleaned	No	Resolved
11/1/2022	Illicit Discharge	5	165.75	Seattle Public Utilities	Sewage	Cleaned	Yes	Resolved
11/2/2022	Discharge/Traffic Spill	504	20	WSDOT	Vehicle Fluids	Cleaned	No	Resolved
11/2/2022	Illicit Discharge	90	0.2	WSDOT	High PH Water		No	Resolved
11/2/2022	Illicit Discharge	405	13.3	Flatiron Construction	Cement	Cleaned	Yes	Resolved
11/3/2022	Discharge/Traffic Spill	112	1.55	WSP	Oil	Cleaned	No	Resolved

Detailed IDDE Issues Table

Date	Type of Discharge	State Route	Milepost	Discovery	Pollutant	Action Taken	G3 Notification to Ecology	Status
11/3/2022	Discharge/Traffic Spill	509	2.94	Ecology	Oil	Cleaned	No	Resolved
11/3/2022	Discharge/Traffic Spill	5	134.6	WSP	Diesel	Cleaned	No	Resolved
11/3/2022	Illicit Discharge	405	20.91	Contractor	Turbid Water	Cleaned	Yes	Resolved
11/4/2022	Discharge/Traffic Spill	101	302	WSP	Oil	Cleaned	No	Resolved
11/5/2022	Illicit Discharge	202	13.16	GeoEngineers	Mineral Oil	Cleaned	Yes	Resolved
11/7/2022	Discharge/Traffic Spill	9	5.04	WSP	Muriatic Acid	Cleaned	No	Resolved
11/8/2022	Discharge/Traffic Spill	410	20.7	Citizen	Hydraulic Oil	Cleaned	No	Resolved
11/8/2022	Discharge/Traffic Spill	97	269	WSP	Diesel	Cleaned	No	Resolved
11/9/2022	Discharge/Traffic Spill	18	20.3	TMS	Oil	Cleaned	No	Resolved
11/11/2022	Discharge/Traffic Spill	27	86.85	WSP	Oil	Cleaned	No	Resolved
11/15/2022	Discharge/Traffic Spill	5	235	WSP	Diesel	Cleaned	No	Resolved
11/18/2022	Discharge/Traffic Spill	16	28	WSP	Fuel	Cleaned	Yes	Resolved
11/21/2022	Discharge/Traffic Spill	90	169.5	WSDOT	Diesel	Cleaned	No	Resolved
11/22/2022	Discharge/Traffic Spill	2	309.4	WSDOT	Vehicle Fluids		No	Resolved
11/22/2022	Illicit Discharge	405	8	Flatiron Construction	Turbid Water	Cleaned	Yes	Resolved
11/22/2022	Illicit Discharge	405	13.3	Flatiron Construction	Oil	Cleaned	Yes	Resolved
11/22/2022	Illicit Discharge	5	167.95	Contractor	Turbid Water	Cleaned	Yes	Resolved
11/23/2022	Illicit Discharge	405	9.39	WSDOT	High PH Water		Yes	Resolved
11/23/2022	Illicit Discharge	520	11.7	Contractor	Turbid Water	Cleaned	Yes	Resolved
11/23/2022	Illicit Discharge	5	145.76	Contractor	Turbid Water		Yes	Resolved
11/24/2022	Discharge/Traffic Spill	302	15.5	WSP	Vehicle Fluids	Cleaned	No	Resolved
11/29/2022	Discharge/Traffic Spill	512	0	TMS	Oil	Cleaned	No	Resolved
11/29/2022	Discharge/Traffic Spill	90	39	WSP	Diesel	Cleaned	No	Resolved
11/29/2022	Discharge/Traffic Spill	5	137.45	WSP	Diesel	Cleaned	Yes	Resolved

Detailed IDDE Issues Table

Date	Type of Discharge	State Route	Milepost	Discovery	Pollutant	Action Taken	G3 Notification to Ecology	Status
11/29/2022	Discharge/Traffic Spill	5	143	TMS	Diesel	Cleaned	Yes	Resolved
11/30/2022	Discharge/Traffic Spill	5	97	WSP	Diesel	Cleaned	No	Resolved
11/30/2022	Illicit Discharge	405	13.29	City of Bellevue	Turbid Water	Cleaned	Yes	Resolved
12/1/2022	Discharge/Traffic Spill	5	163	TMS	Fuel	Cleaned	No	Resolved
12/1/2022	Illicit Discharge	509	20.4	Contractor	Turbid Water		Yes	Resolved
12/1/2022	Illicit Discharge	5	145.7	WSDOT	Turbid Water		Yes	Resolved
12/4/2022	Discharge/Traffic Spill	904	7	WSDOT	Hydraulic Oil	Cleaned	No	Resolved
12/4/2022	Illicit Discharge	20	104.46	GeoEngineers	Mineral Oil	Cleaned	No	Resolved
12/5/2022	Discharge/Traffic Spill	7	47.38	WSP	Fuel	Cleaned	No	Resolved
12/6/2022	Discharge/Traffic Spill	20	47.9	Swinomish Tribe	Gasoline	Cleaned	No	Resolved
12/8/2022	Illicit Discharge	104	26.05	Edmonds Public Works	Turbid Water	Cleaned	No	Resolved
12/9/2022	Discharge/Traffic Spill	161	32.58	WSDOT	Oil	Cleaned	No	Resolved
12/9/2022	Discharge/Traffic Spill	101	362.83	WSP	Fuel	Cleaned	No	Resolved
12/11/2022	Discharge/Traffic Spill	405	10	WSP	Diesel	Cleaned	Yes	Resolved
12/12/2022	Discharge/Traffic Spill	16	1.16	WSP	Oil	Cleaned	Yes	Resolved
12/12/2022	Discharge/Traffic Spill	405	7	WSP	Vehicle Fluids	Cleaned	Yes	Resolved
12/12/2022	Discharge/Traffic Spill	405	20	WSDOT	Cement	Cleaned	Yes	Resolved
12/13/2022	Discharge/Traffic Spill	5	78	WSDOT	Diesel	Cleaned	No	Resolved
12/14/2022	Discharge/Traffic Spill	14	65.1	WSP	Fuel		No	Resolved
12/15/2022	Discharge/Traffic Spill	164	6.6	GeoEngineers	Mineral Oil	Cleaned	No	Resolved
12/18/2022	Discharge/Traffic Spill	530	17.25	Citizen	Gasoline	Cleaned	Yes	Resolved
12/20/2022	Discharge/Traffic Spill	5	189	WSP	Diesel	Cleaned	No	Resolved
12/20/2022	Discharge/Traffic Spill	525	8.95	WSP	Diesel	Cleaned	Yes	Resolved
12/20/2022	Illicit Discharge	5	149.9	Contractor	Turbid Water		No	Resolved

Detailed IDDE Issues Table

Date	Type of Discharge	State Route	Milepost	Discovery	Pollutant	Action Taken	G3 Notification to Ecology	Status
12/21/2022	Discharge/Traffic Spill	99	0.94	WSP	Fuel	Cleaned	Yes	Resolved
12/21/2022	Illicit Discharge	18	0.75	Contractor	Turbid Water	Cleaned	Yes	Resolved
12/23/2022	Discharge/Traffic Spill	18	0.4	WSP	Diesel	Cleaned	No	Resolved
12/23/2022	Discharge/Traffic Spill	5	18.3	WSDOT	Fuel		No	Resolved
12/23/2022	Discharge/Traffic Spill	5	36.9	WSDOT	Vehicle Fluids	Cleaned	Yes	Resolved
12/27/2022	Discharge/Traffic Spill	17	131	WSP	Diesel	Cleaned	No	Resolved
12/28/2022	Discharge/Traffic Spill	5	104.07	City of Tumwater	Sewage	Cleaned	Yes	Resolved
1/3/2023	Discharge/Traffic Spill	90	52	WSP	Diesel	Cleaned	No	Resolved
1/3/2023	Illicit Discharge	5	143.84	Ecology	Turbid Water	Cleaned	Yes	Resolved
1/4/2023	Discharge/Traffic Spill	161	30.35	Puyallup PD	Oil	Cleaned	No	Resolved
1/6/2023	Discharge/Traffic Spill	7	25.92	WSP	Oil	Cleaned	No	Resolved
1/7/2023	Discharge/Traffic Spill	12	15.41	WSP	Vehicle Fluids	Cleaned	No	Resolved
1/7/2023	Discharge/Traffic Spill	161	27	WSP	Oil	Cleaned	No	Resolved
1/9/2023	Illicit Discharge	520	0.2	Contractor	Turbid Water	Cleaned	Yes	Resolved
1/10/2023	Discharge/Traffic Spill	5	10.5	WSP	Diesel	Cleaned	No	Resolved
1/10/2023	Illicit Connection	20	49.39	WSDOT	Turbid Water		Yes	Resolved
1/12/2023	Discharge/Traffic Spill	5	169.25	WSP	Diesel	Cleaned	Yes	Resolved
1/13/2023	Illicit Discharge	99	31	Citizen	Paint	Cleaned	Yes	Resolved
1/14/2023	Illicit Discharge	5	147.45	Contractor	Turbid Water	Cleaned	Yes	Resolved
1/15/2023	Discharge/Traffic Spill	195	34	WSP	Fuel	Cleaned	No	Resolved
1/16/2023	Discharge/Traffic Spill	5	29.8	WSP	Fuel	Cleaned	No	Resolved
1/19/2023	Illicit Discharge	18	25.65	Contractor	Turbid Water	Cleaned	No	Resolved
1/21/2023	Discharge/Traffic Spill	202	16.9	Fall City FD	Fuel	Cleaned	No	Resolved
1/23/2023	Discharge/Traffic Spill	5	29.8	WSP	Fuel	Cleaned	No	Resolved

Detailed IDDE Issues Table

Date	Type of Discharge	State Route	Milepost	Discovery	Pollutant	Action Taken	G3 Notification to Ecology	Status
1/23/2023	Discharge/Traffic Spill	5	234	TMS	Oil	Cleaned	No	Resolved
1/24/2023	Discharge/Traffic Spill	5	163.77	WSP	Coolant	Cleaned	No	Resolved
1/25/2023	Discharge/Traffic Spill	101	247	Port Angeles PD	Paint		No	Resolved
1/26/2023	Discharge/Traffic Spill	18	0.77	WSP	Fuel	Cleaned	No	Resolved
1/27/2023	Discharge/Traffic Spill	3	24.98	WSP	Oil	Cleaned	No	Resolved
1/27/2023	Discharge/Traffic Spill	5	230	WSDOT	Vehicle Fluids	Cleaned	No	Resolved
1/31/2023	Discharge/Traffic Spill	503	50.3	WSP	Fuel	Cleaned	No	Resolved
2/1/2023	Discharge/Traffic Spill	20	2	WSP	Vehicle Fluids		No	Resolved
2/1/2023	Illicit Discharge	516	2.45	City of Kent	Sewage	Cleaned	Yes	Resolved
2/2/2023	Illicit Discharge	90	31.6	Citizen	Sweeping Debris	Cleaned	No	Resolved
2/3/2023	Discharge/Traffic Spill	5	171.01	Seattle PD	Oil		No	Resolved
2/3/2023	Illicit Discharge	900	21.22	Eastside Fire & Rescue	Antifreeze		No	Resolved
2/6/2023	Discharge/Traffic Spill	174	33	WSP	Fuel	Cleaned	No	Resolved
2/6/2023	Discharge/Traffic Spill	9	56	WSP	Vehicle Fluids	Cleaned	No	Resolved
2/6/2023	Illicit Discharge	405	20.9	Contractor	Turbid Water	Cleaned	Yes	Resolved
2/8/2023	Discharge/Traffic Spill	17	112	WSP	Vehicle Fluids		No	Resolved
2/8/2023	Illicit Discharge	5	146.83	Sound Transit	Turbid Water	Cleaned	Yes	Resolved
2/11/2023	Discharge/Traffic Spill	90	54	WSDOT	Oil	Cleaned	No	Resolved
2/12/2023	Discharge/Traffic Spill	530	16.95	WSP	Vehicle Fluids		No	Resolved
2/15/2023	Discharge/Traffic Spill	3	39.32	WSDOT	Oil	Cleaned	No	Resolved
2/15/2023	Discharge/Traffic Spill	7	51.72	WSP	Oil	Cleaned	No	Resolved
2/15/2023	Discharge/Traffic Spill	5	0	WSP	Vehicle Fluids	Cleaned	Yes	Resolved
2/18/2023	Discharge/Traffic Spill	90	242.29	WSP	Diesel		No	Resolved
2/19/2023	Discharge/Traffic Spill	20	106.1	Citizen	Fuel	Cleaned	No	Resolved

Detailed IDDE Issues Table

Date	Type of Discharge	State Route	Milepost	Discovery	Pollutant	Action Taken	G3 Notification to Ecology	Status
2/20/2023	Illicit Discharge	167	19	Contractor	Turbid Water	Cleaned	Yes	Resolved
2/22/2023	Discharge/Traffic Spill	104	29	Edmonds Public Works	Fuel	Cleaned	No	Resolved
2/22/2023	Illicit Discharge	14	10.37	WSDOT	Chemicals	Cleaned	No	Resolved
2/22/2023	Illicit Discharge	104	29.65	Contractor	Turbid Water	Cleaned	Yes	Resolved
2/23/2023	Discharge/Traffic Spill	5	104.32	WSP	Diesel	Cleaned	Yes	Resolved
2/27/2023	Discharge/Traffic Spill	90	59	WSDOT	Vehicle Fluids		No	Resolved
2/28/2023	Discharge/Traffic Spill	20	88.53	Citizen	Vehicle Fluids		No	Resolved
2/28/2023	Discharge/Traffic Spill	5	119.38	WSP	Diesel	Cleaned	No	Resolved
3/1/2023	Discharge/Traffic Spill	12	165	WSP	Oil		No	Resolved
3/2/2023	Illicit Discharge	5	108.35	Citizen	Garbage	Cleaned	No	Resolved
3/7/2023	Discharge/Traffic Spill	5	120.88	WSP	Oil	Cleaned	No	Resolved
3/8/2023	Discharge/Traffic Spill	3	8.92	WSP	Oil		No	Resolved
3/8/2023	Discharge/Traffic Spill	16	12.01	WSDOT	Oil	Cleaned	No	Resolved
3/10/2023	Discharge/Traffic Spill	101	109	WSP	Diesel	Cleaned	No	Resolved
3/11/2023	Discharge/Traffic Spill	509	3.99	WSP	Oil	Cleaned	No	Resolved
3/11/2023	Discharge/Traffic Spill	82	6	WSP	Diesel		No	Resolved
3/12/2023	Discharge/Traffic Spill	507	30.5	WSP	Oil	Cleaned	No	Resolved
3/13/2023	Discharge/Traffic Spill	169	2.68	City of Enumclaw	Diesel	Cleaned	No	Resolved
3/13/2023	Discharge/Traffic Spill	5	110.4	WSP	Vehicle Fluids	Cleaned	Yes	Resolved
3/13/2023	Illicit Discharge	405	20.9	Contractor	Turbid Water	Cleaned	Yes	Resolved
3/16/2023	Discharge/Traffic Spill	205	27.2	WSDOT	Fuel	Cleaned	No	Resolved
3/16/2023	Illicit Discharge	509	17.1	WSDOT	Diesel		Yes	Resolved
3/17/2023	Discharge/Traffic Spill	167	13	WSP	Diesel	Cleaned	No	Resolved
3/19/2023	Discharge/Traffic Spill	290	18.38	WSP	Oil	Cleaned	No	Resolved

Detailed IDDE Issues Table

Date	Type of Discharge	State Route	Milepost	Discovery	Pollutant	Action Taken	G3 Notification to Ecology	Status
3/20/2023	Discharge/Traffic Spill	203	18	Citizen	Oil	Cleaned	No	Resolved
3/20/2023	Discharge/Traffic Spill	90	279	WSP	Fuel	Cleaned	Yes	Resolved
3/20/2023	Illicit Discharge	520	0.2	Contractor	Turbid Water	Cleaned	Yes	Resolved
3/21/2023	Discharge/Traffic Spill	5	78	Citizen	Garbage	Cleaned	No	Resolved
3/21/2023	Discharge/Traffic Spill	5	136	WSP	Fuel	Cleaned	No	Resolved
3/22/2023	Illicit Discharge	5	168.9	Citizen	Vehicle Fluids	Cleaned	No	Resolved
3/31/2023	Discharge/Traffic Spill	5	253.8	WSP	Gasoline	Cleaned	Yes	Resolved
4/2/2023	Illicit Discharge	204	0.5	Citizen	Turbid Water	Cleaned	Yes	Resolved
4/3/2023	Discharge/Traffic Spill	5	163.02	TMS	Vehicle Fluids	Cleaned	No	Resolved
4/6/2023	Discharge/Traffic Spill	542	6	Sanitary Services	Coolant	Cleaned	No	Resolved
4/6/2023	Discharge/Traffic Spill	20	59.54	Burlington Fire	Combustible Liquid	Cleaned	No	Resolved
4/6/2023	Illicit Discharge	14	7.5	Citizen	Turbid Water	Cleaned	Yes	Resolved
4/7/2023	Illicit Discharge	305	2.41	Contractor	Turbid Water	Cleaned	Yes	Resolved
4/10/2023	Discharge/Traffic Spill	18	0.75	Lakeside Industries	Emulsified Asphalt	Cleaned	No	Resolved
4/10/2023	Illicit Discharge	520	11.8	Contractor	Turbid Water	Cleaned	Yes	Resolved
4/13/2023	Discharge/Traffic Spill	20	60.48	WSP	Paint		No	Resolved
4/13/2023	Illicit Discharge	99	47.55	WSDOT	Turbid Water	Cleaned	Yes	Resolved
4/14/2023	Discharge/Traffic Spill	16	1.16	WSP	Diesel	Cleaned	No	Resolved
4/14/2023	Discharge/Traffic Spill	5	173.86	Seattle Police	Vehicle Fluids	Cleaned	No	Resolved
4/15/2023	Discharge/Traffic Spill	539	8.62	TMS	Oil		No	Resolved
4/17/2023	Discharge/Traffic Spill	99	30.3	TMS	Vehicle Fluids	Cleaned	No	Resolved
4/18/2023	Discharge/Traffic Spill	5	178.35	Sound Transit	Vehicle Fluids		No	Resolved
4/19/2023	Discharge/Traffic Spill	12	10	WSP	Oil	Cleaned	No	Resolved
4/20/2023	Discharge/Traffic Spill	5	194	WSP	Diesel	Cleaned	No	Resolved

Detailed IDDE Issues Table

Date	Type of Discharge	State Route	Milepost	Discovery	Pollutant	Action Taken	G3 Notification to Ecology	Status
4/20/2023	Illicit Discharge	18	27.5	Contractor	Turbid Water	Cleaned	Yes	Resolved
4/21/2023	Discharge/Traffic Spill	14	101	WSP	Oil		No	Resolved
4/21/2023	Illicit Discharge	5	147.65	Contractor	Turbid Water	Cleaned	Yes	Resolved
4/23/2023	Discharge/Traffic Spill	5	134.01	WSP	Oil		No	Resolved
4/23/2023	Illicit Discharge	101	242.9	Citizen	Garbage	Cleaned	No	Resolved
4/24/2023	Discharge/Traffic Spill	5	102	WSP	Fuel	Cleaned	Yes	Resolved
4/26/2023	Discharge/Traffic Spill	5	100	WSDOT	Fuel	Cleaned	No	Resolved
4/27/2023	Discharge/Traffic Spill	90	93	WSP	Oil	Cleaned	No	Resolved
4/27/2023	Illicit Discharge	9	30	Citizen	Track Out	Cleaned	No	Resolved
4/28/2023	Discharge/Traffic Spill	405	12.78	WSP	Paint	Cleaned	No	Resolved
4/28/2023	Discharge/Traffic Spill	5	95.23	WSP	Diesel	Cleaned	No	Resolved
4/28/2023	Discharge/Traffic Spill	101	96.71	WSP	Oil	Cleaned	No	Resolved
4/29/2023	Discharge/Traffic Spill	529	5.42	Everett PD	Vehicle Fluids	Cleaned	No	Resolved
4/30/2023	Discharge/Traffic Spill	405	13.55	Recology	Diesel	Cleaned	No	Resolved
5/1/2023	Discharge/Traffic Spill	90	4.53	TMS	Vehicle Fluids	Cleaned	No	Resolved
5/1/2023	Discharge/Traffic Spill	28	40	WSP	Diesel	Cleaned	Yes	Resolved
5/2/2023	Discharge/Traffic Spill	5	111.94	Contractor	Oil	Cleaned	No	Resolved
5/3/2023	Discharge/Traffic Spill	9	13.3	WSP	Gasoline	Cleaned	No	Resolved
5/3/2023	Discharge/Traffic Spill	5	125.86	WSP	Fuel	Cleaned	No	Resolved
5/4/2023	Discharge/Traffic Spill	2	334.38	WSP	Hydraulic Oil	Cleaned	Yes	Resolved
5/5/2023	Discharge/Traffic Spill	401	6	WSP	Fuel	Cleaned	No	Resolved
5/5/2023	Discharge/Traffic Spill	5	166.4	Ecology	Diesel		No	Resolved
5/5/2023	Illicit Discharge	99	1.2	Contractor	Turbid Water		No	Resolved
5/10/2023	Discharge/Traffic Spill	20	54.51	WSDOT	Oil	Cleaned	No	Resolved

Detailed IDDE Issues Table

Date	Type of Discharge	State Route	Milepost	Discovery	Pollutant	Action Taken	G3 Notification to Ecology	Status
5/11/2023	Discharge/Traffic Spill	225	0	WSP	Cement	Cleaned	No	Resolved
5/11/2023	Discharge/Traffic Spill	90	10	WSP	Molasses	Cleaned	No	Resolved
5/11/2023	Discharge/Traffic Spill	5	262.5	Sanitary Services	Coolant	Cleaned	No	Resolved
5/11/2023	Discharge/Traffic Spill	101	329.07	WSP	Milk	Cleaned	Yes	Resolved
5/12/2023	Discharge/Traffic Spill	5	134	WSP	Oil	Cleaned	No	Resolved
5/12/2023	Discharge/Traffic Spill	5	169.39	TMS	Oil	Cleaned	No	Resolved
5/15/2023	Discharge/Traffic Spill	512	8.74	WSP	Oil	Cleaned	No	Resolved
5/15/2023	Discharge/Traffic Spill	18	20.34	WSDOT	Diesel	Cleaned	No	Resolved
5/17/2023	Discharge/Traffic Spill	90	16	Eastside Fire & Rescue	Oil	Cleaned	No	Resolved
5/17/2023	Discharge/Traffic Spill	203	12.62	WSP	Diesel	Cleaned	Yes	Resolved
5/18/2023	Discharge/Traffic Spill	405	17.99	City of Kirkland	Vehicle Fluids	Cleaned	No	Resolved
5/18/2023	Illicit Discharge	5	149.75	Contractor	Turbid Water		Yes	Resolved
5/19/2023	Discharge/Traffic Spill	2	138	WSP	Diesel		No	Resolved
5/20/2023	Discharge/Traffic Spill	520	1.2	Seattle Public Utilities	Fuel	Cleaned	No	Resolved
5/20/2023	Discharge/Traffic Spill	2	110	WSP	Fuel		No	Resolved
5/23/2023	Discharge/Traffic Spill	5	116.7	WSP	Diesel	Cleaned	No	Resolved
5/23/2023	Discharge/Traffic Spill	90	289.5	WSP	Fuel	Cleaned	No	Resolved
5/23/2023	Discharge/Traffic Spill	5	194	WSDOT	Paint	Cleaned	Yes	Resolved
5/24/2023	Discharge/Traffic Spill	5	194.69	TMS	Fuel		No	Resolved
5/28/2023	Discharge/Traffic Spill	5	133.23	WSP	Fuel	Cleaned	No	Resolved
5/29/2023	Discharge/Traffic Spill	5	198.43	TMS	Oil		No	Resolved
5/30/2023	Discharge/Traffic Spill	11	1.42	TMS	Vehicle Fluids	Cleaned	No	Resolved
5/31/2023	Discharge/Traffic Spill	512	0.7	WSP	Fuel	Cleaned	No	Resolved
5/31/2023	Discharge/Traffic Spill	195	3.2	WSP	Fuel		No	Resolved

Detailed IDDE Issues Table

Date	Type of Discharge	State Route	Milepost	Discovery	Pollutant	Action Taken	G3 Notification to Ecology	Status
6/4/2023	Discharge/Traffic Spill	153	5	WSP	Oil	Cleaned	No	Resolved
6/4/2023	Discharge/Traffic Spill	161	33.84	WSP	Diesel	Cleaned	No	Resolved
6/5/2023	Illicit Discharge	509	29.2	Citizen	Garbage	Cleaned	No	Resolved
6/7/2023	Discharge/Traffic Spill	142	24	Citizen	Oil	Cleaned	No	Resolved
6/11/2023	Discharge/Traffic Spill	520	4.75	King County Metro	Diesel	Cleaned	No	Resolved
6/12/2023	Discharge/Traffic Spill	520	4.75	King County Metro	Coolant	Cleaned	No	Resolved
6/12/2023	Discharge/Traffic Spill	12	352	WSP	Diesel	Cleaned	No	Resolved
6/12/2023	Discharge/Traffic Spill	5	164.5	WSDOT	Vehicle Fluids	Cleaned	Yes	Resolved
6/13/2023	Discharge/Traffic Spill	99	28.9	King County Metro	Diesel	Cleaned	No	Resolved
6/18/2023	Discharge/Traffic Spill	3	43.5	Kistap PD	Oil	Cleaned	No	Resolved
6/18/2023	Discharge/Traffic Spill	97	53	WSP	Oil	Cleaned	No	Resolved
6/20/2023	Discharge/Traffic Spill	411	3.1	WSP	Oil	Cleaned	No	Resolved
6/20/2023	Discharge/Traffic Spill	90	250	WSP	Fuel		No	Resolved
6/22/2023	Discharge/Traffic Spill	5	157.85	WSP	Vehicle Fluids	Cleaned	No	Resolved
6/23/2023	Discharge/Traffic Spill	5	157.23	TMS	Vehicle Fluids	Cleaned	No	Resolved
6/26/2023	Discharge/Traffic Spill	520	0.83	Bellevue Fire Dept	Gasoline		No	Resolved
6/26/2023	Discharge/Traffic Spill	5	81	WSP	Diesel		No	Resolved
6/29/2023	Discharge/Traffic Spill	5	122.68	WSP	Vehicle Fluids	Cleaned	No	Resolved
6/29/2023	Discharge/Traffic Spill	5	176.74	TMS	Oil	Cleaned	No	Resolved
6/30/2023	Discharge/Traffic Spill	5	173.29	TMS	Oil	Cleaned	No	Resolved