





# Title VI, ADA

## Title VI Notice to Public

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## Americans with Disabilities Act (ADA) Information

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## List of Acronyms

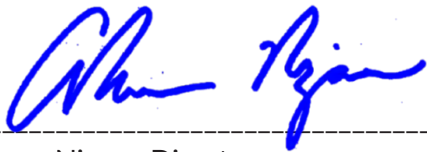
BMP	Best Management Practice
CAB	Compost Amended Bioswale
CESCL	Certified Erosion and Sediment Control Lead
CSWGP	Construction Stormwater General Permit
EPA	Environmental Protection Agency
GIS	Geographic Information System
GPS	Global Positioning System
HRM	Highway Runoff Manual
IDDE	Illicit Discharge Detection and Elimination
MS4	Municipal Separate Storm Sewer System
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 2022 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, vector 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.

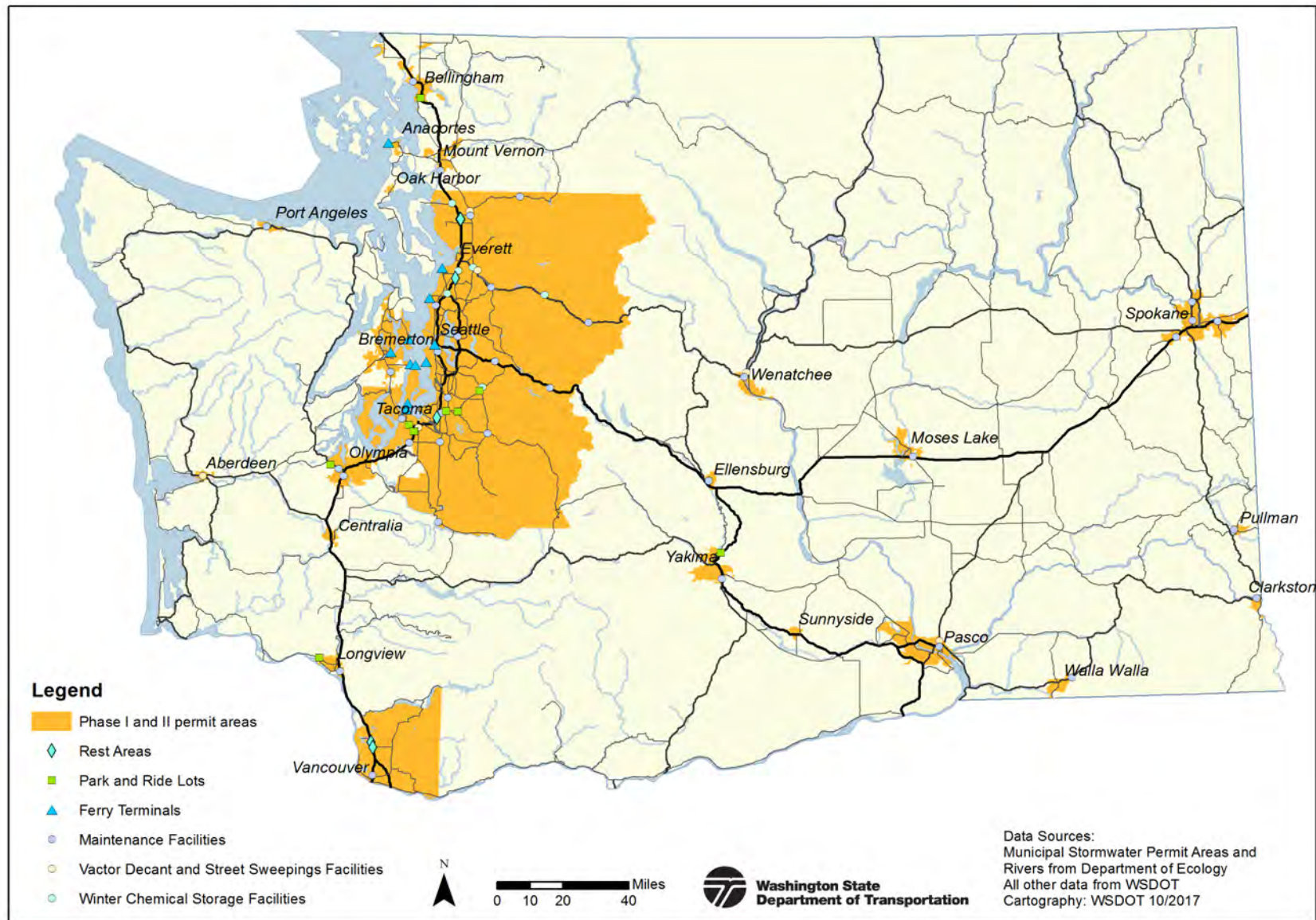


Figure 1. WSDOT facilities within Phase I and II Municipal Stormwater Permit areas.

# Stormwater Program Management

## 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, 2021 to June 30, 2022, 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 84 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. WSDOT did not need to submit any such notifications to Ecology during this reporting period.

## *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). WSDOT expects most of these TMDLs will be added to WSDOT's 2024 permit.

- Whatcom Creek (bacteria)
- Mid-Yakima Basin (bacteria)

- Lower White River (pH)
- EPA's Deschutes River (replacement TMDLs for sediment, bacteria, dissolved oxygen, pH, temperature)
- Budd Inlet (dissolved oxygen)

WSDOT also participated in the development process or implementation of the following impairment-related stakeholder 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.** The Walla Walla TMDL included project design requirements to re-route US 12 traffic away from the river.



# Total Maximum Daily Loads

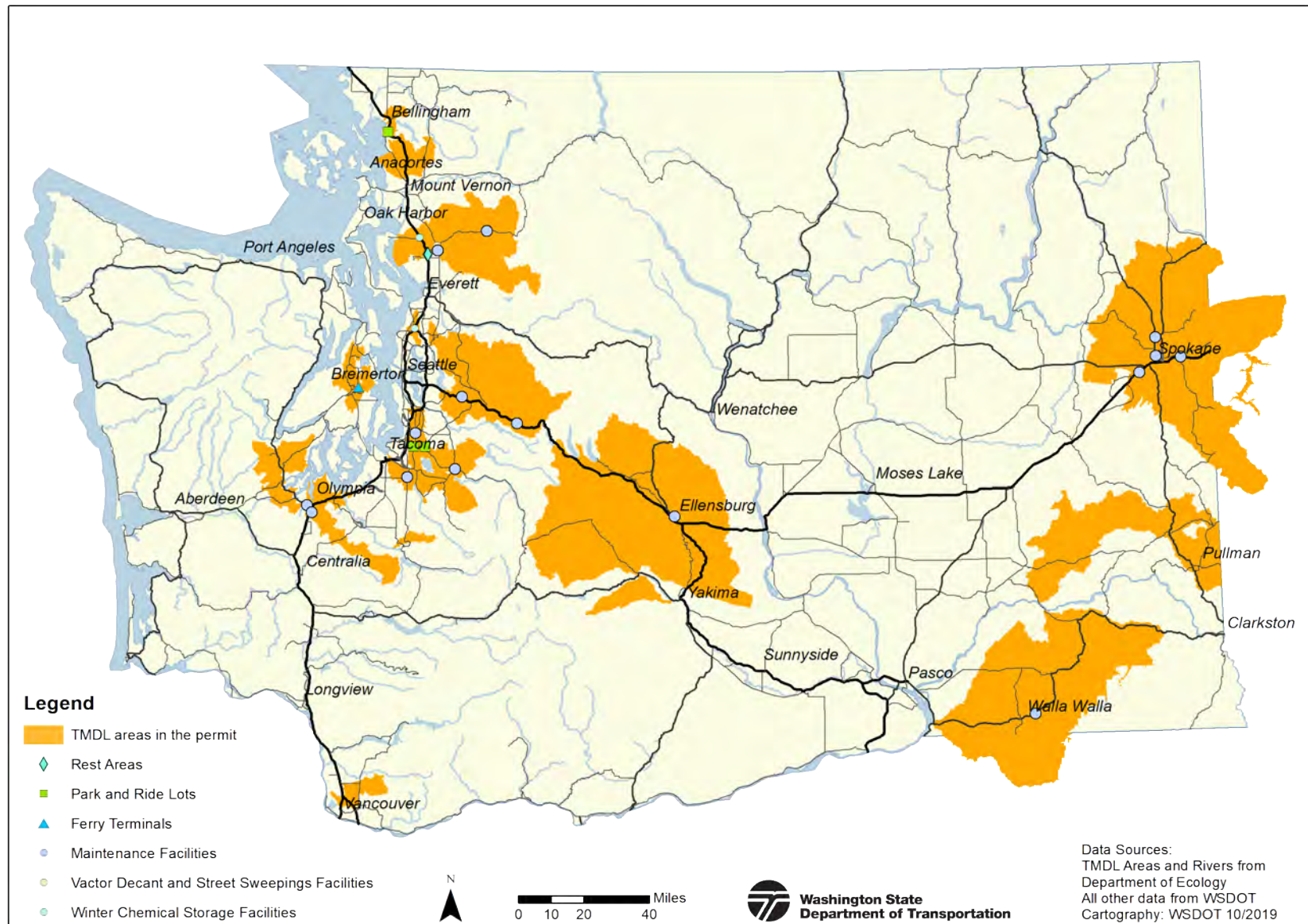


Figure 3. WSDOT facilities within TMDLs included in the permit.



## 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 251 people received the training.

While verifying the training numbers for this reporting period, WSDOT found that one training course and 50 individuals were incorrectly reported in the 2021 Stormwater Report. For the 2020-2021 reporting period, 109 individuals were trained during four courses. Fifty-four individuals earned or renewed a CESCL certification.



**Figure 4.** Participants from WSDOT's field BMP training install a check dam.

**251** WSDOT staff received training. **133** 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 2021, WSDOT assessed 13 construction projects statewide.

### *Summary and Lessons Learned from 2021 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.

Most projects met or exceeded compliance recommendations for the following planning elements:

- Mark clearing limits
- Control flow rates
- Install sediment controls
- Protect slopes
- Protect drain inlets
- Stabilize channels and outlets
- Control dewatering
- Manage the project

- Protect Low Impact Development (LID) BMPs

The most common deficiencies identified in the 2021 fall assessments were BMP maintenance, adequate soil stabilization, and implementation of effective pollution prevention measures to minimize the risk of discharge of pollutants. WSDOT's Environmental Services and State Construction Offices have identified opportunities for improvement through increased communication, education and outreach trainings throughout the year focused on improving erosion and sediment control statewide, and the development of a more quantitative and repeatable assessment scoring and tracking process.



## 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 *Highway Runoff Manual* 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.

**88** BMPs were constructed statewide, 83 of which were built 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 59 WSDOT staff, 16 local agency staff, and 70 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>.

With a new legislative funding source through the Move Ahead Washington funding package, WSDOT has additional prioritization measures to consider for our standalone retrofit program. We expect to be updating our plan over the next year.

### *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). No new projects fit this requirement during this 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 on the next page.

**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 <sup>1</sup>
020	Northwest	SR 20/Fish Creek & Lorenzan Creek - Fish Passage	0.573	Opportunity Based Retrofit
090	Northwest	I-90, Coal Mine Wall Vic To Soderman Cr	2.429	Standalone Retrofit
005	Northwest	I-5/Northbound On-Ramp At Bakerview - Improvements	0.898	Project Driven and Opportunity Based
090	Eastern	I-90/Geiger Field I/C Reconstruction	6.160	Opportunity Based Retrofit
090	Eastern	I-90/Harvard Rd Interchange Improvement	0.753	Opportunity Based Retrofit
097	South Central	US 97/McDonald Rd and Becker Rd - Intersection Improvements	0.185	Opportunity Based Retrofit
005/510	Olympic	I-5/SR 510 Interchange - Reconstruct Interchange	14.310	Project Driven Retrofit
167	Olympic	SR 167, 70th Avenue E. Vicinity Bridge Replacement	2.466	Project Driven and Opportunity Based
005	Olympic	I-5/Steilacoom-Dupont Rd To Thorne Ln - Corridor Improvement	10.735	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's field inventory crews completed mapping on 80.7 centerline miles.

### *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:

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

- 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, 12 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 44 illicit discharges and six illegal connections during this reporting period, all of which were resolved. WSDOT also tracked 260 traffic related spills that were addressed on WSDOT highways. Eighty-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.



**Figure 5.** A catch basin overflows due to an illicit connection from a residential area. WSDOT's IDDE program resolves these connections to prevent further negative impacts to WSDOT's stormwater system.



## 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 SWPPP site inspections twice at all applicable facilities.

### Training

WSDOT held 10 training courses on stormwater-related maintenance activities during this reporting period. In all, 203 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 2,673 permanent stormwater BMP inspections in this reporting period. This represents 98 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	6		1
Olympic	3	1	
Southwest	5		1

# Maintenance and Operations

## CATCH BASIN MAINTENANCE

WSDOT inspected 31,071 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 99 percent of catch basin deficiencies within six months and 98 percent of deficiencies within one year.



**Figure 6.** This southwest region pond required over \$25,000 in repairs and a new access road. As required in the permit, WSDOT must prioritize repairs to BMPs amounting to more than \$25,000 and address them as funding becomes available.

## 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, 89 new employees assigned to work at WSF terminals received stormwater training during their orientation. Five terminal supervisors received stormwater training during this reporting period.



## STORMWATER MONITORING AND EFFECTIVENESS STUDIES

WSDOT has one annual report for NPDES studies that covers permit related monitoring activities over water year 2021 (October 1, 2020-September 30, 2021). The report is submitted to Ecology by October 31<sup>st</sup> each year and is 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 will test the effectiveness of existing swales that are older than their expected life spans. As of the end of this reporting period, WSDOT was working with Ecology to publish the Quality Assurance Project Plans (QAPP) and working to install the monitoring equipment.

### *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 was working with Ecology to publish the QAPP and working to install the monitoring equipment.



**Figure 7.** WSDOT monitoring staff setting up the Lakeview bioswale for future monitoring studies.





## 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, 291 volunteer groups reported 7,517 hours and picked up 24,497 bags of litter.

**35,882** Bags of litter collected along Washington highways.

Businesses that sponsor sections of highway hire contractors to pick up and dispose of litter. During this reporting period, contractors hired by 157 sponsor groups picked up 11,385 bags of litter.

### *Commute Trip Reduction*

WSDOT works with local governments and employers at over 1,000 worksites to implement Commute Trip Reduction 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](https://rideshareonline.com), between 2007 and 2020, employees reduced their vehicle miles traveled by 30%. In addition, commuters saved \$30 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.

Commute Trip Reduction data is collected on a two-year calendar cycle. Compared to the 2007-08 cycle, during the 2019-20 cycle:

- Participating commuters reduced their rate of driving alone to work by almost 49 percent.
- Commuters left about 63,500 vehicles at home every day, using alternatives instead.
- These avoided vehicle trips saved over 9 million gallons of fuel and reduced annual greenhouse gas emissions by 180,000 metric tons.

The COVID-19 pandemic disrupted CTR surveying during the 2019-20 survey cycle. Efforts are underway to help sustain the increase in telework attributable to requiring eligible employees to work remotely during the pandemic. However, there is still an expectation that the CTR results will not maintain the gains shown during this cycle. CTR jurisdictions are beginning CTR

surveying again in fall of 2022.

## 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. WSDOT will utilize tools such as the Department of Health's Environmental Health Disparities Map and work with various stakeholders to ensure that this element of prioritization is meaningfully incorporated into the stormwater retrofit program.

## 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 2021 Stormwater Report, Stormwater Monitoring Reports, and Stormwater Management Program Plan.

Additional WSDOT research is available at <https://wsdot.wa.gov/about/library-research-reports/research-reports>, however, no new stormwater research was added to the

research library during the reporting period. WSDOT continued researching the "Evaluation of Biofiltration Swale Media Mixes for Maximizing Phosphorous Removal" at an estimated cost of \$180,000. One new project, "Characterization of First Flush Phenomenon and Total Storm Event Pollutant Distribution", was funded during the reporting period.

## 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
  - Stormwater Technical Advisory Committee
  - Regional Operations and Maintenance Program
  - Street Maintenance Solids Meetings
- 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)

## Education and Public Involvement

- Stakeholder Advisory Group
  - American Society of Civil Engineers Water Resources Committee
  - Clarks Creek Advisory Group
  - Stormwater Work Group State Agency Caucus
  - Interagency Project Team
- National Committees and Advisory Groups:
  - American Association of State Highway and Transportation Officials, Committee on Environment and Sustainability
  - Transportation Research Board annual meetings
  - Transportation Research Board Committees on Hydrology and Hydraulics, Stormwater and Landscape and Environmental Design
  - National Cooperative Highway Research Program
  - TransNow



**Table 3. TMDL Implementation Summary Table**

TMDL Name	WSDOT's Required Actions	Implementation Deadlines	Status of Compliance
<b>Deschutes River, Percival Creek, and Budd Inlet Tributaries TMDL (Temperature, Fecal Coliform, Dissolved Oxygen, pH, Fine Sediment)</b>	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.
<b>Hangman Creek TMDL (Fecal Coliform, Temperature, TSS/Turbidity)</b>	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 on 3/28/22. Ecology added potential problem sites identified to their non-point source mapping tool. WSDOT referred three priority erosion problem sites to Ecology on 5/26/22.

# TMDL Implementation Summary Table

TMDL Name	WSDOT's Required Actions	Implementation Deadlines	Status of Compliance
<b>Issaquah Creek Basin TMDL (Fecal Coliform)</b>	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. On SR 90 at MP 22.53 on 2/7/22 it was reported that people were using WSDOT park and ride to shelter and using nearby creek as a restroom. WSDOT can't remove homeless people from this location or keep this from happening without assistance from Washington State Patrol.
<b>Little Bear Creek TMDL (Fecal Coliform)</b>	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.
<b>Nisqually River Tributaries TMDL (Fecal Coliform and Dissolved Oxygen)</b>	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
<b>North Fork Palouse River TMDL (Dissolved Oxygen, pH)</b>	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 on 3/28/22. Ecology added potential problem sites identified to their non-point source mapping tool. WSDOT referred three priority erosion problem sites to Ecology on 5/26/22.

# TMDL Implementation Summary Table

TMDL Name	WSDOT's Required Actions	Implementation Deadlines	Status of Compliance
<b>Oakland Bay, Hammersley Inlet, and Selected Tributaries TMDL (Fecal Coliform)</b>	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 <sup>3</sup> stormwater discharge locations to Oakland Bay. <sup>1</sup>	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 for 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
<b>Palouse River Watershed TMDL (Fecal Coliform)</b>	Implement fecal coliform programmatic approach <sup>2</sup> 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 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 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.
<b>Samish Bay Watershed TMDL (Fecal Coliform)</b>	Participate in TMDL adaptive management process.	On-going	Not applicable during the reporting period.

# TMDL Implementation Summary Table

TMDL Name	WSDOT's Required Actions	Implementation Deadlines	Status of Compliance
<b>South Fork Palouse River TMDL (Fecal Coliform)</b>	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 4/7/22. No pigeons or nests were observed but a small amount of guano was observed. Pictures were submitted to Ecology on 4/8/22.
	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
<b>South Prairie Creek Watershed TMDL (Fecal Coliform and Temperature)</b>	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	SR 162 at MP 14.56 excess water was reported to be filling up a ditch causing erosion on WSDOT slope on 3/7/22. The ditch was cleared of debris and there hasn't been anymore reports of erosion or sediment buildup.
	Participate in annual adaptive management meetings.	As needed	Not applicable during the reporting period.
<b>Spokane River Watershed TMDL (Dissolved Oxygen)</b>	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. Six collisions were reported within this TMDL boundary (SR 2, SR 90, SR 395) that lead to spills (fuel, oil, diesel, concrete) onto roadway. All were cleaned up and considered resolved.

# TMDL Implementation Summary Table

TMDL Name	WSDOT's Required Actions	Implementation Deadlines	Status of Compliance
<b>Stillaguamish River Watershed TMDL (Fecal Coliform, Dissolved Oxygen, pH, Mercury, Arsenic and Temperature)</b>	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. WSP was requested to help with diesel spill at the Smokey Point Rest area on SR 5 near MP 207. Fire Dept was able to clean up site without any impact to MS4 or waterways. Occurred 8/6/2021.
	Provide replacement bags and maintain educational signage at pest waste management stations at I-5 rest areas.	As needed	Replacement bags provided as needed.
<b>Swamp Creek Basin TMDL (Fecal Coliform)</b>	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.
<b>Teanaway River TMDL (Temperature)</b>	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
<b>Totten, Eld and Skookum Inlets Tributaries TMDL (Fecal Coliform and Temperature)</b>	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.
<b>Tucannon River Watershed TMDL (Temperature)</b>	Maintain roads and roadside stormwater conveyance ditches to prevent entry of sediment into area waterways. <sup>3</sup>	On-going	On-going
<b>Upper Yakima River Watershed TMDL (Suspended Sediment, and Organochlorine Pesticide)</b>	Maintain roads and roadside stormwater conveyance ditches to prevent sediment from entering area waterways. <sup>3</sup>	On-going	On-going
<b>Walla Walla River Watershed TMDL (Fecal Coliform, PCBs, Chlorinated Pesticide, Temperature, pH and Dissolved Oxygen)</b>	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 is under construction and scheduled to be complete in 2023. Phase 8 is not yet 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)	Implement WSDOT's NPDES municipal permit obligations that address the TMDL-listed pollutants.	On-going	On-going
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)			

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 2022 Reporting Period**

State Route	Region	In Permit Area	In TMDL Area included in WSDOT's permit	Project Name	Infiltration <sup>1</sup>	Dispersion <sup>2</sup>	Biofiltration <sup>3</sup>	Wet Pool <sup>4</sup>	Total
020	Northwest	No	No	SR 20/Fish Creek & Lorenzan Creek - Fish Passage			3		3
090	Northwest	Yes	Yes	I-90, Coal Mine Wall Vic To Soderman Cr			3		3
005	Northwest	Yes	No	I-5/Northbound On-Ramp At Bakerview - Improvements			2		2
090	Eastern	Yes	Yes	I-90/Geiger Field I/C Reconstruction			9		9
090	Eastern	Yes	Yes	I-90/Harvard Rd Interchange Improvement	1	1	1		3
125	South Central	Yes	Yes	SR 125, Plaza Way - Intersection Improvements	1				1
097	South Central	No	Yes	US 97/McDonald Rd and Becker Rd - Intersection Improvements	2				2
014	Southwest	Yes	No	Steigerwald Floodplain Restoration Project			2		2
503	Southwest	Yes	No	SR 503 Milepost 7.73 RT Improvements at SW Rasmussen Blvd				1	1
005/510	Olympic	Yes	Yes	I-5/SR 510 Interchange - Reconstruct Interchange	6		22		28
167	Olympic	Yes	Yes	SR 167, 70th Avenue E. Vicinity Bridge Replacement			3	2	7
005	Olympic	Yes	No	I-5/Steilacoom-Dupont Rd To Thorne Ln - Corridor Improvement	9		18		27
				<b>Total</b>	<b>19</b>	<b>1</b>	<b>63</b>	<b>3</b>	<b>88</b>

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.





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
7/3/2021	Discharge/Traffic Spill	5	143.8	WSP	Fuel	Cleaned	No	Resolved
7/5/2021	Discharge/Traffic Spill	5	167.02	WSP	Vehicle Fluids	Cleaned	Yes	Resolved
7/7/2021	Discharge/Traffic Spill	12	3	WSP	Diesel	Cleaned	Yes	Resolved
7/9/2021	Discharge/Traffic Spill	101	259.95	WSP	Paint		No	Resolved
7/12/2021	Discharge/Traffic Spill	97	22.5	WSP	Fuel	Cleaned	No	Resolved
7/14/2021	Discharge/Traffic Spill	5	15.4	WSP	Hydraulic Fluid	Cleaned	No	Resolved
7/14/2021	Discharge/Traffic Spill	5	134.01	WSP	Oil	Cleaned	No	Resolved
7/14/2021	Discharge/Traffic Spill	5	133.23	WSDOT	Diesel		No	Resolved
7/14/2021	Discharge/Traffic Spill	520	9.18	Geo Engineers	Mineral Oil	Cleaned	No	Resolved
7/15/2021	Discharge/Traffic Spill	20	36.41	TMS	Oil	Cleaned	No	Resolved
7/19/2021	Discharge/Traffic Spill	5	20.7	WSDOT	Fuel	Cleaned	No	Resolved
7/19/2021	Discharge/Traffic Spill	90	299	WSP	Diesel	Cleaned	No	Resolved
7/22/2021	Discharge/Traffic Spill	509	25.74	King County Metro	Coolant	Cleaned	No	Resolved
7/24/2021	Discharge/Traffic Spill	5	13	WSP	Diesel		No	Resolved
7/24/2021	Discharge/Traffic Spill	109	9	WSP	Oil	Cleaned	No	Resolved
7/24/2021	Discharge/Traffic Spill	167	26.14	TMS	Fuel	Cleaned	No	Resolved
7/26/2021	Discharge/Traffic Spill	90	10	TMS	Oil	Cleaned	No	Resolved
7/29/2021	Discharge/Traffic Spill	17	52	WSP	Oil		No	Resolved
8/3/2021	Discharge/Traffic Spill	5	162.73	King County Metro	Oil	Cleaned	No	Resolved
8/3/2021	Illicit Connection	221	9.8	WSDOT	Turbid Water		Yes	Resolved
8/4/2021	Discharge/Traffic Spill	18	26.3	WSP	Oil		Yes	Resolved
8/6/2021	Discharge/Traffic Spill	5	207	WSP	Diesel	Cleaned	No	Resolved
8/6/2021	Discharge/Traffic Spill	99	29.69	TMS	Diesel	Cleaned	No	Resolved
8/7/2021	Discharge/Traffic Spill	101	78	WSP	Oil	Cleaned	No	Resolved
8/13/2021	Illicit Discharge	532	5.95	Citizen	None		No	Resolved
8/15/2021	Discharge/Traffic Spill	5	108.39	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
8/16/2021	Discharge/Traffic Spill	12	413	WSP	Oil	Cleaned	No	Resolved
8/20/2021	Discharge/Traffic Spill	90	9.9	WSP	Diesel	Cleaned	Yes	Resolved
8/23/2021	Discharge/Traffic Spill	5	124.64	WSDOT	Fuel	Cleaned	No	Resolved
8/25/2021	Discharge/Traffic Spill	18	2.8	Valley Regional Fire	Diesel	Cleaned	No	Resolved
8/26/2021	Discharge/Traffic Spill	5	170.8	King County Metro	Coolant	Cleaned	No	Resolved
8/26/2021	Discharge/Traffic Spill	20	54.5	Citizen	Unknown		No	Resolved
8/27/2021	Discharge/Traffic Spill	101	13.9	WSP	Oil	Cleaned	No	Resolved
8/30/2021	Discharge/Traffic Spill	28	20	WSP	Diesel	Cleaned	No	Resolved
8/30/2021	Discharge/Traffic Spill	405	0.86	Ecology	Diesel	Cleaned	No	Resolved
9/2/2021	Discharge/Traffic Spill	5	155.91	Ecology	Diesel	Cleaned	No	Resolved
9/3/2021	Discharge/Traffic Spill	82	18	WSP	Diesel	Cleaned	No	Resolved
9/3/2021	Discharge/Traffic Spill	101	336.53	WSDOT	Fuel	Cleaned	No	Resolved
9/7/2021	Discharge/Traffic Spill	90	283	WSP	Oil	Cleaned	No	Resolved
9/8/2021	Discharge/Traffic Spill	2	282.65	WSP	Liquid Concrete	Cleaned	No	Resolved
9/8/2021	Discharge/Traffic Spill	97	12.7	WSP	Coolant	Cleaned	No	Resolved
9/9/2021	Illicit Connection	106	17.38	WSDOT	Stormwater		Yes	Resolved
9/10/2021	Discharge/Traffic Spill	12	152	WSP	Paint		No	Resolved
9/10/2021	Discharge/Traffic Spill	90	8.09	WSP	Oil		No	Resolved
9/13/2021	Discharge/Traffic Spill	5	98.88	WSP	Diesel	Cleaned	No	Resolved
9/13/2021	Discharge/Traffic Spill	5	105	WSDOT	Diesel	Cleaned	No	Resolved
9/21/2021	Discharge/Traffic Spill	5	154.65	TMS	Vehicle Fluids	Cleaned	No	Resolved
9/21/2021	Discharge/Traffic Spill	5	154.65	WSP	Vehicle Fluids	Cleaned	No	Resolved
9/22/2021	Discharge/Traffic Spill	97	251	WSP	Oil	Cleaned	No	Resolved
9/22/2021	Discharge/Traffic Spill	16	22.62	WSP	Oil	Cleaned	No	Resolved
9/23/2021	Discharge/Traffic Spill	2	109	WSP	Oil		No	Resolved
9/24/2021	Discharge/Traffic Spill	405	26.65	TMS	Vehicle Fluids	Cleaned	No	Resolved

## Detailed IDDE Issues Table

Date	Type of Discharge	State Route	Milepost	Discovery	Pollutant	Action Taken	G3 Notification to Ecology	Status
9/27/2021	Discharge/Traffic Spill	167	25.07	WSDOT	Vehicle Fluids	Cleaned	No	Resolved
9/27/2021	Illicit Discharge	3	26.88	Citizen	Turbid Water	Cleaned	Yes	Resolved
9/28/2021	Illicit Discharge	5	178.51	Ecology	Turbid Water	Cleaned	Yes	Resolved
9/29/2021	Discharge/Traffic Spill	18	3.3	WSP	Diesel	Cleaned	No	Resolved
10/2/2021	Discharge/Traffic Spill	90	289.87	WSP	Fuel		No	Resolved
10/3/2021	Discharge/Traffic Spill	20	131	WSP	Oil	Cleaned	No	Resolved
10/3/2021	Discharge/Traffic Spill	99	29.5	TMS	Vehicle Fluids		No	Resolved
10/4/2021	Discharge/Traffic Spill	5	155.91	WSP	Diesel	Cleaned	No	Resolved
10/7/2021	Discharge/Traffic Spill	90	52	WSDOT	Vehicle Fluids	Cleaned	No	Resolved
10/7/2021	Discharge/Traffic Spill	128	1	WSP	Fuel		No	Resolved
10/7/2021	Illicit Discharge	5	168.1	Ecology	Turbid Water		Yes	Resolved
10/12/2021	Discharge/Traffic Spill	2	130	WSP	Diesel	Cleaned	No	Resolved
10/18/2021	Discharge/Traffic Spill	17	12	WSP	Diesel	Cleaned	No	Resolved
10/20/2021	Discharge/Traffic Spill	5	142	WSP	Diesel	Cleaned	No	Resolved
10/20/2021	Discharge/Traffic Spill	5	156.52	WSP	Vehicle Fluids	Cleaned	No	Resolved
10/20/2021	Discharge/Traffic Spill	5	156.52	TMS	Diesel		Yes	Resolved
10/20/2021	Discharge/Traffic Spill	5	142	TMS	Fuel	Cleaned	Yes	Resolved
10/22/2021	Discharge/Traffic Spill	5	177.8	King County Metro	Coolant		Yes	Resolved
10/24/2021	Discharge/Traffic Spill	101	332	WSP	Vehicle Fluids		No	Resolved
10/25/2021	Discharge/Traffic Spill	524	7.8	Snohomish PUD	Oil from Transformer	Cleaned	Yes	Resolved
10/26/2021	Discharge/Traffic Spill	5	179.76	WSDOT	Diesel	Cleaned	No	Resolved
10/26/2021	Discharge/Traffic Spill	5	59	WSP	Vehicle Fluids	Cleaned	No	Resolved
10/26/2021	Illicit Discharge	105	47.11	Ecology	Turbid Water	Cleaned	Yes	Resolved
10/27/2021	Discharge/Traffic Spill	90	3.19	TMS	Fuel	Cleaned	No	Resolved
10/28/2021	Discharge/Traffic Spill	5	146.83	WSP	Diesel	Cleaned	No	Resolved
10/28/2021	Discharge/Traffic Spill	195	2.5	WSP	Refrigerant		No	Resolved

## Detailed IDDE Issues Table

Date	Type of Discharge	State Route	Milepost	Discovery	Pollutant	Action Taken	G3 Notification to Ecology	Status
10/28/2021	Illicit Discharge	303	6.12	WSDOT	Turbid Water	Cleaned	Yes	Resolved
10/29/2021	Illicit Discharge	520	10.41	WSDOT	Turbid Water		Yes	Resolved
10/29/2021	Illicit Discharge	520	10.2	WSDOT	Turbid Water		Yes	Resolved
10/30/2021	Discharge/Traffic Spill	2	31	Snohomish PD	Diesel	Cleaned	No	Resolved
10/30/2021	Discharge/Traffic Spill	5	24.5	WSP	Vehicle Fluids	Cleaned	No	Resolved
10/31/2021	Discharge/Traffic Spill	5	166.4	TMS	Fuel	Cleaned	No	Resolved
10/31/2021	Discharge/Traffic Spill	97	13.3	WSP	Diesel	Cleaned	Yes	Resolved
11/2/2021	Discharge/Traffic Spill	96	3.29	TMS	Fuel	Cleaned	No	Resolved
11/2/2021	Discharge/Traffic Spill	432	10	WSP	Vehicle Fluids	Cleaned	No	Resolved
11/2/2021	Illicit Discharge	169	17.9	Contractor	Unknown		No	Resolved
11/3/2021	Discharge/Traffic Spill	12	8.39	WSP	Fuel	Cleaned	No	Resolved
11/4/2021	Discharge/Traffic Spill	5	170.7	Citizen	Oil		No	Resolved
11/4/2021	Discharge/Traffic Spill	5	174.7	Ecology	Turbid Water	Cleaned	Yes	Resolved
11/4/2021	Illicit Discharge	303	6.12	Kitsap County	Turbid Water	Cleaned	Yes	Resolved
11/5/2021	Illicit Discharge	5	180	Ecology	Turbid Water	Cleaned	Yes	Resolved
11/5/2021	Illicit Discharge	520	11.82	WSDOT	Turbid Water	Cleaned	Yes	Resolved
11/6/2021	Discharge/Traffic Spill	5	128.92	WSP	Oil	Cleaned	No	Resolved
11/6/2021	Discharge/Traffic Spill	90	137	WSP	Oil	Cleaned	No	Resolved
11/7/2021	Discharge/Traffic Spill	5	163	TMS	Oil	Cleaned	No	Resolved
11/7/2021	Discharge/Traffic Spill	97	152	WSDOT	Diesel		No	Resolved
11/7/2021	Discharge/Traffic Spill	526	1.3	WSP	Oil		No	Resolved
11/8/2021	Discharge/Traffic Spill	12	79	WSP	Diesel	Cleaned	No	Resolved
11/8/2021	Discharge/Traffic Spill	395	185	WSP	Diesel	Cleaned	No	Resolved
11/11/2021	Discharge/Traffic Spill	5	257.2	Sanitary Services	Vehicle Fluids	Cleaned	No	Resolved
11/12/2021	Illicit Discharge	5	165.83	WSP	Diesel	Cleaned	No	Resolved
11/12/2021	Illicit Discharge	5	146.81	Ecology	Turbid Water	Cleaned	Yes	Resolved

## Detailed IDDE Issues Table

Date	Type of Discharge	State Route	Milepost	Discovery	Pollutant	Action Taken	G3 Notification to Ecology	Status
11/12/2021	Illicit Discharge	5	145.95	Ecology	Turbid Water	Cleaned	Yes	Resolved
11/12/2021	Illicit Discharge	405	5	Ecology	Turbid Water	Cleaned	Yes	Resolved
11/14/2021	Discharge/Traffic Spill	5	69.5	WSP	Oil	Cleaned	Yes	Resolved
11/15/2021	Illicit Discharge	5	172.3	Seattle Public Utilities	Turbid Water	Cleaned	Yes	Resolved
11/15/2021	Illicit Discharge	303	6.12	Kitsap County	Turbid Water		Yes	Resolved
11/17/2021	Discharge/Traffic Spill	169	23	WSP	Vehicle Fluids	Cleaned	No	Resolved
11/18/2021	Discharge/Traffic Spill	405	15.08	Bellevue Fire Dept	Diesel	Cleaned	No	Resolved
11/19/2021	Discharge/Traffic Spill	5	35	WSP	Fuel	Cleaned	No	Resolved
11/19/2021	Illicit Discharge	105	47.11	Citizen	Turbid Water		Yes	Resolved
11/20/2021	Discharge/Traffic Spill	17	9	WSP	Diesel	Cleaned	No	Resolved
11/22/2021	Illicit Discharge	167	10.17	Citizen	Tires	Cleaned	No	Resolved
11/22/2021	Illicit Discharge	101	267.43	Citizen	Sewage	Cleaned	Yes	Resolved
11/23/2021	Discharge/Traffic Spill	5	149.18	WSP	Oil	Cleaned	No	Resolved
11/23/2021	Discharge/Traffic Spill	5	141	WSP	Diesel	Cleaned	Yes	Resolved
11/29/2021	Discharge/Traffic Spill	500	7.96	WSDOT	Fuel	Cleaned	No	Resolved
11/29/2021	Discharge/Traffic Spill	6	29	WSP	Hydraulic Fluid	Cleaned	Yes	Resolved
11/30/2021	Discharge/Traffic Spill	99	50.5	WSP	Paint	Cleaned	No	Resolved
11/30/2021	Discharge/Traffic Spill	508	8	WSP	Diesel	Cleaned	No	Resolved
11/30/2021	Illicit Discharge	5	139.85	City of Federal Way	Turbid Water	Cleaned	Yes	Resolved
12/1/2021	Discharge/Traffic Spill	5	8	Fire Dept	Fuel	Cleaned	No	Resolved
12/1/2021	Discharge/Traffic Spill	5	124.64	WSP	Fuel	Cleaned	No	Resolved
12/5/2021	Discharge/Traffic Spill	5	44	WSP	Diesel	Cleaned	No	Resolved
12/6/2021	Illicit Discharge	90	4	WSDOT	AFFF		Yes	Resolved
12/7/2021	Discharge/Traffic Spill	90	263.04	WSP	Diesel	Cleaned	Yes	Resolved
12/9/2021	Discharge/Traffic Spill	5	262	Citizen	Diesel		No	Resolved
12/9/2021	Illicit Discharge	900	21.4	City of Issaquah	Turbid Water	Cleaned	Yes	Resolved

## Detailed IDDE Issues Table

Date	Type of Discharge	State Route	Milepost	Discovery	Pollutant	Action Taken	G3 Notification to Ecology	Status
12/11/2021	Discharge/Traffic Spill	529	5	TMS	Oil		No	Resolved
12/11/2021	Discharge/Traffic Spill	90	6	WSDOT	Foam	Cleaned	Yes	Resolved
12/14/2021	Discharge/Traffic Spill	99	26.4	TMS	Vehicle Fluids	Cleaned	No	Resolved
12/16/2021	Discharge/Traffic Spill	397	22	WSDOT	Oil	Cleaned	No	Resolved
12/16/2021	Discharge/Traffic Spill	12	37.82	WSP	Fuel	Cleaned	Yes	Resolved
12/17/2021	Discharge/Traffic Spill	142	16	WSDOT	Hydraulic Fluid	Cleaned	No	Resolved
12/17/2021	Illicit Discharge	5	179	City of Mountlake Terrace	Sewage	Cleaned	Yes	Resolved
12/18/2021	Discharge/Traffic Spill	12	168	WSDOT	Diesel	Cleaned	No	Resolved
12/20/2021	Discharge/Traffic Spill	12	136.5	WSP	Milk	Cleaned	Yes	Resolved
12/21/2021	Discharge/Traffic Spill	5	128	WSP	Vehicle Fluids	Cleaned	Yes	Resolved
12/23/2021	Discharge/Traffic Spill	20	8.6	WSP	Fuel		No	Resolved
12/24/2021	Discharge/Traffic Spill	82	15	WSP	Fuel	Cleaned	No	Resolved
12/24/2021	Discharge/Traffic Spill	167	9.64	WSP	Fuel	Cleaned	No	Resolved
12/26/2021	Discharge/Traffic Spill	5	162.72	TMS	Diesel	Cleaned	No	Resolved
12/27/2021	Discharge/Traffic Spill	5	158	ValleyCom	Diesel	Cleaned	No	Resolved
12/27/2021	Discharge/Traffic Spill	5	142	Fire Dept	Gasoline	Cleaned	No	Resolved
12/27/2021	Discharge/Traffic Spill	16	19	WSP	Diesel	Cleaned	No	Resolved
12/27/2021	Discharge/Traffic Spill	97	62	Yakima County Fire	Diesel		No	Resolved
12/28/2021	Discharge/Traffic Spill	5	54.5	WSP	Vehicle Fluids	Cleaned	No	Resolved
12/28/2021	Discharge/Traffic Spill	90	54	WSDOT	Oil		No	Resolved
12/28/2021	Illicit Connection	516	10.94	City of Kent	Stormwater		Yes	
12/29/2021	Discharge/Traffic Spill	5	117.96	WSP	Fuel	Cleaned	No	Resolved
12/30/2021	Discharge/Traffic Spill	5	133.86	WSP	Vehicle Fluids	Cleaned	No	Resolved
12/30/2021	Discharge/Traffic Spill	90	278.2	WSP	Diesel	Cleaned	No	Resolved
12/31/2021	Discharge/Traffic Spill	5	135.05	WSDOT	Fuel		No	Resolved

## Detailed IDDE Issues Table

Date	Type of Discharge	State Route	Milepost	Discovery	Pollutant	Action Taken	G3 Notification to Ecology	Status
1/5/2022	Discharge/Traffic Spill	5	162	King County Metro	Coolant		No	Resolved
1/5/2022	Discharge/Traffic Spill	5	180.5	Contractor	Diesel	Cleaned	No	Resolved
1/5/2022	Discharge/Traffic Spill	14	76	WSP	Fuel		Yes	Resolved
1/6/2022	Illicit Connection	503	5.3	WSDOT	Stormwater		No	Resolved
1/7/2022	Discharge/Traffic Spill	405	0.88	King County Metro	Oil	Cleaned	Yes	Resolved
1/7/2022	Illicit Discharge	5	104.07	City of Tumwater	Sewage	Cleaned	Yes	Resolved
1/7/2022	Illicit Discharge	5	150	WSDOT	Turbid Water	Cleaned	Yes	Resolved
1/10/2022	Discharge/Traffic Spill	18	27.82	WSP	Oil	Cleaned	No	Resolved
1/10/2022	Discharge/Traffic Spill	505	5.4	WSDOT	Fuel	Cleaned	No	Resolved
1/11/2022	Discharge/Traffic Spill	99	30	TMS	Vehicle Fluids	Cleaned	No	Resolved
1/12/2022	Discharge/Traffic Spill	90	228	WSP	Diesel		No	Resolved
1/12/2022	Illicit Discharge	101	362.35	Citizen	Oil	Cleaned	No	Resolved
1/15/2022	Discharge/Traffic Spill	500	7.96	WSP	Diesel	Cleaned	No	Resolved
1/18/2022	Discharge/Traffic Spill	25	84.7	WSP	Diesel	Cleaned	No	Resolved
1/19/2022	Discharge/Traffic Spill	5	56.8	WSP	Diesel	Cleaned	Yes	Resolved
1/23/2022	Discharge/Traffic Spill	5	160.57	TMS	Diesel	Cleaned	No	Resolved
1/25/2022	Discharge/Traffic Spill	5	35	WSP	Fuel		Yes	Resolved
1/27/2022	Discharge/Traffic Spill	5	154.3	WSP	Diesel	Cleaned	No	Resolved
1/27/2022	Discharge/Traffic Spill	410	9.32	WSP	Diesel	Cleaned	Yes	Resolved
1/30/2022	Discharge/Traffic Spill	5	186.25	WSP	Oil	Cleaned	No	Resolved
1/31/2022	Discharge/Traffic Spill	90	4.48	WSDOT	AFFF		Yes	Resolved
1/31/2022	Discharge/Traffic Spill	303	8	WSP	Oil	Cleaned	Yes	Resolved
2/3/2022	Discharge/Traffic Spill	20	67	WSDOT	Oil	Cleaned	Yes	Resolved
2/5/2022	Discharge/Traffic Spill	5	191.6	City of Everett	AFFF		Yes	Resolved
2/6/2022	Discharge/Traffic Spill	90	13	Citizen	Diesel		No	Resolved
2/7/2022	Illicit Discharge	90	22.53	Citizen	Sewage		Yes	Resolved



## Detailed IDDE Issues Table

Date	Type of Discharge	State Route	Milepost	Discovery	Pollutant	Action Taken	G3 Notification to Ecology	Status
2/9/2022	Illicit Discharge	101	352.35	Thurston County	Sewage	Cleaned	Yes	Resolved
2/12/2022	Discharge/Traffic Spill	5	127.16	WSP	Fuel		No	Resolved
2/14/2022	Discharge/Traffic Spill	20	95.9	WSP	Oil	Cleaned	No	Resolved
2/14/2022	Discharge/Traffic Spill	101	243	WSP	Paint	Cleaned	No	Resolved
2/15/2022	Illicit Discharge	501	10	WSP	Sewage	Cleaned	No	Resolved
2/15/2022	Discharge/Traffic Spill	507	40	WSP	Milk	Cleaned	Yes	Resolved
2/16/2022	Discharge/Traffic Spill	542	30	TMS	Oil		No	Resolved
2/16/2022	Illicit Discharge	500	5.2	City of Vancouver	Sewage	Cleaned	No	Resolved
2/18/2022	Discharge/Traffic Spill	302	15.5	WSP	Vehicle Fluids		Yes	Resolved
2/20/2022	Discharge/Traffic Spill	5	123.58	WSP	Vehicle Fluids	Cleaned	No	Resolved
2/25/2022	Discharge/Traffic Spill	97	22	WSDOT	Fuel		No	Resolved
2/27/2022	Discharge/Traffic Spill	705	1.5	WSDOT	Vehicle Fluids	Cleaned	No	Resolved
2/28/2022	Discharge/Traffic Spill	5	167.02	WSP	Vehicle Fluids	Cleaned	No	Resolved
2/28/2022	Discharge/Traffic Spill	5	44.3	WSDOT	Oil	Cleaned	No	Resolved
2/28/2022	Illicit Discharge	169	8.55	Ecology	Turbid Water		No	Resolved
3/1/2022	Illicit Discharge	99	14.48	Ecology	Turbid Water	Cleaned	Yes	Resolved
3/2/2022	Discharge/Traffic Spill	9	58	WSP	Fuel	Cleaned	No	Resolved
3/2/2022	Discharge/Traffic Spill	5	99	WSP	Oil	Cleaned	No	Resolved
3/3/2022	Discharge/Traffic Spill	5	127.48	WSP	Diesel	Cleaned	No	Resolved
3/3/2022	Discharge/Traffic Spill	101	133.78	WSP	Fuel	Cleaned	No	Resolved
3/3/2022	Discharge/Traffic Spill	405	6.56	TMS	Oil	Cleaned	No	Resolved
3/4/2022	Discharge/Traffic Spill	82	22	WSP	Ammonia Product	Cleaned	No	Resolved
3/6/2022	Discharge/Traffic Spill	97	20	WSDOT	Oil		Yes	Resolved
3/7/2022	Discharge/Traffic Spill	16	22.62	WSP	Fuel	Cleaned	No	Resolved
3/7/2022	Illicit Connection	162	14.56	WSDOT	Turbid Water		Yes	Resolved
3/10/2022	Discharge/Traffic Spill	18	23.61	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
3/10/2022	Discharge/Traffic Spill	101	203.15	WSP	Vehicle Fluids		No	Resolved
3/15/2022	Discharge/Traffic Spill	405	2	WSP	Fuel	Cleaned	No	Resolved
3/15/2022	Discharge/Traffic Spill	12	27	WSP	Vehicle Fluids	Cleaned	Yes	Resolved
3/17/2022	Discharge/Traffic Spill	18	18.94	Citizen	Diesel	Cleaned	No	Resolved
3/17/2022	Discharge/Traffic Spill	90	39	ProTow	Coolant	Cleaned	No	Resolved
3/18/2022	Discharge/Traffic Spill	520	10.74	King County Metro	Coolant	Cleaned	No	Resolved
3/18/2022	Discharge/Traffic Spill	5	131.83	WSP	Fuel	Cleaned	No	Resolved
3/18/2022	Discharge/Traffic Spill	508	6	WSP	Diesel	Cleaned	No	Resolved
3/19/2022	Discharge/Traffic Spill	99	26	TMS	Vehicle Fluids	Cleaned	No	Resolved
3/21/2022	Discharge/Traffic Spill	169	19.21	Citizen	Sewage	Cleaned	Yes	Resolved
3/22/2022	Discharge/Traffic Spill	5	137	WSP	Fuel		No	Resolved
3/23/2022	Discharge/Traffic Spill	5	60	WSP	Diesel	Cleaned	No	Resolved
3/23/2022	Discharge/Traffic Spill	411	3	WSDOT	Paint	Cleaned	No	Resolved
3/23/2022	Discharge/Traffic Spill	12	20.19	WSP	Vehicle Fluids	Cleaned	No	Resolved
3/24/2022	Discharge/Traffic Spill	90	126	WSP	Diesel	Cleaned	No	Resolved
3/24/2022	Discharge/Traffic Spill	7	39.09	WSP	Fuel		No	Resolved
3/24/2022	Discharge/Traffic Spill	512	10.08	WSP	Oil	Cleaned	No	Resolved
3/31/2022	Discharge/Traffic Spill	542	13.96	WSP	Diesel		No	Resolved
4/1/2022	Discharge/Traffic Spill	105	18.6	WSP	Fuel		Yes	Resolved
4/1/2022	Illicit Discharge	169	20	City of Renton	Wastewater	Cleaned	Yes	Resolved
4/2/2022	Discharge/Traffic Spill	99	30.98	WSDOT	Vehicle Fluids	Cleaned	No	Resolved
4/4/2022	Discharge/Traffic Spill	14	105	WSP	Fuel	Cleaned	No	Resolved
4/4/2022	Discharge/Traffic Spill	7	16.3	WSP	Oil	Cleaned	No	Resolved
4/4/2022	Discharge/Traffic Spill	90	24	TMS	Fuel		Yes	Resolved
4/4/2022	Illicit Discharge	405	8.15	Ecology	Turbid Water	Cleaned	Yes	Resolved
4/5/2022	Illicit Discharge	5	134	Citizen	Trash		No	Resolved

## Detailed IDDE Issues Table

Date	Type of Discharge	State Route	Milepost	Discovery	Pollutant	Action Taken	G3 Notification to Ecology	Status
4/5/2022	Discharge/Traffic Spill	167	9.64	WSDOT	Oil	Cleaned	Yes	Resolved
4/7/2022	Illicit Discharge	25	23.5	Citizen	Paint		No	Resolved
4/8/2022	Illicit Discharge	500	16.5	Citizen	Stormwater		No	Resolved
4/13/2022	Discharge/Traffic Spill	16	8.41	WSP	Vehicle Fluids	Cleaned	No	Resolved
4/13/2022	Discharge/Traffic Spill	90	279	WSP	Oil	Cleaned	No	Resolved
4/15/2022	Discharge/Traffic Spill	5	36.5	WSP	Vehicle Fluids		No	Resolved
4/15/2022	Illicit Discharge	5	179.27	Citizen	Trash	Cleaned	No	Resolved
4/18/2022	Discharge/Traffic Spill	2	24.18	WSP	Diesel	Cleaned	No	Resolved
4/18/2022	Discharge/Traffic Spill	101	211	WSP	Vehicle Fluids	Cleaned	No	Resolved
4/20/2022	Discharge/Traffic Spill	503	7	WSP	Vehicle Fluids	Cleaned	No	Resolved
4/20/2022	Discharge/Traffic Spill	5	133.69	WSP	Oil	Cleaned	No	Resolved
4/20/2022	Discharge/Traffic Spill	5	170.76	WSP	Fuel	Cleaned	Yes	Resolved
4/24/2022	Discharge/Traffic Spill	7	51	WSP	Fuel		No	Resolved
4/24/2022	Discharge/Traffic Spill	2	237.71	WSDOT	Vehicle Fluids		No	Resolved
4/24/2022	Discharge/Traffic Spill	5	136.9	WSP	Vehicle Fluids	Cleaned	No	Resolved
4/25/2022	Discharge/Traffic Spill	525	3.55	Citizen	Fuel	Cleaned	No	Resolved
4/25/2022	Discharge/Traffic Spill	162	10.6	WSP	Oil	Cleaned	Yes	Resolved
4/26/2022	Discharge/Traffic Spill	167	12.49	TMS	Oil	Cleaned	No	Resolved
4/26/2022	Discharge/Traffic Spill	101	177.33	WSDOT	Vehicle Fluids	Cleaned	No	Resolved
4/29/2022	Discharge/Traffic Spill	101	307.34	WSP	Fuel	Cleaned	No	Resolved
4/29/2022	Discharge/Traffic Spill	105	16	WSP	Oil	Cleaned	No	Resolved
4/29/2022	Illicit Discharge	405	19.8	City of Kirkland	Sewage	Cleaned	Yes	Resolved
4/30/2022	Discharge/Traffic Spill	504	8.4	WSP	Gasoline		No	Resolved
5/2/2022	Discharge/Traffic Spill	18	2.95	WSP	Vehicle Fluids	Cleaned	No	Resolved
5/2/2022	Discharge/Traffic Spill	195	18.05	Anonymous	Diesel		No	Resolved
5/2/2022	Discharge/Traffic Spill	243	18	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
5/2/2022	Discharge/Traffic Spill	9	75.21	Sanitary Service Co.	Transmission Fluid	Cleaned	Yes	Resolved
5/5/2022	Discharge/Traffic Spill	405	3	Citizen	Paint		No	Resolved
5/5/2022	Discharge/Traffic Spill	5	136.64	WSP	Oil	Cleaned	No	Resolved
5/5/2022	Discharge/Traffic Spill	5	65	WSP	Diesel	Cleaned	Yes	Resolved
5/5/2022	Discharge/Traffic Spill	9	14.3	WSDOT	Concrete	Cleaned	Yes	Resolved
5/6/2022	Discharge/Traffic Spill	5	26	WSP	Fuel	Cleaned	No	Resolved
5/8/2022	Discharge/Traffic Spill	90	47	Ecology	Diesel	Cleaned	No	Resolved
5/8/2022	Discharge/Traffic Spill	5	12.5	WSP	Brake Fluid	Cleaned	No	Resolved
5/8/2022	Discharge/Traffic Spill	307	2	WSP	Transformer Fluid	Cleaned	Yes	Resolved
5/10/2022	Discharge/Traffic Spill	405	12.28	TMS	Oil	Cleaned	No	Resolved
5/11/2022	Discharge/Traffic Spill	5	127.16	WSP	Oil	Cleaned	No	Resolved
5/11/2022	Illicit Discharge	5	147.67	Ecology	Turbid Water	Cleaned	Yes	Resolved
5/13/2022	Discharge/Traffic Spill	395	79	WSP	Diesel	Cleaned	No	Resolved
5/13/2022	Discharge/Traffic Spill	539	6	WSP	Milk	Cleaned	Yes	Resolved
5/14/2022	Discharge/Traffic Spill	5	130.69	WSP	Transmission Fluid	Cleaned	No	Resolved
5/17/2022	Discharge/Traffic Spill	240	30	WSP	Oil	Cleaned	No	Resolved
5/17/2022	Discharge/Traffic Spill	97	27.5	WSP	Diesel	Cleaned	No	Resolved
5/19/2022	Discharge/Traffic Spill	405	2.68	TMS	Fuel	Cleaned	No	Resolved
5/19/2022	Discharge/Traffic Spill	125	3.4	WSP	Oil	Cleaned	No	Resolved
5/21/2022	Discharge/Traffic Spill	395	162.28	WSP	Fertilizer	Cleaned	No	Resolved
5/24/2022	Discharge/Traffic Spill	12	81.5	WSDOT	Fuel	Cleaned	Yes	Resolved
5/25/2022	Discharge/Traffic Spill	161	32.58	King County Sheriff	Oil	Cleaned	No	Resolved
5/26/2022	Discharge/Traffic Spill	14	46	WSP	Scrap Metal	Cleaned	No	Resolved
5/27/2022	Discharge/Traffic Spill	705	0.72	WSP	Vehicle Fluids	Cleaned	No	Resolved
5/30/2022	Discharge/Traffic Spill	90	53	Citizen	Diesel	Cleaned	No	Resolved
5/30/2022	Discharge/Traffic Spill	16	0	WSP	Transmission Fluid		No	Resolved

## Detailed IDDE Issues Table

Date	Type of Discharge	State Route	Milepost	Discovery	Pollutant	Action Taken	G3 Notification to Ecology	Status
6/1/2022	Discharge/Traffic Spill	5	12	WSP	Unknown	Cleaned	No	Resolved
6/1/2022	Discharge/Traffic Spill	520	11.75	Ecology	Peralite	Cleaned	No	Resolved
6/1/2022	Discharge/Traffic Spill	90	6.7	Ecology	Firefighting Foam		Yes	Resolved
6/3/2022	Discharge/Traffic Spill	18	9.75	WSP	Oil	Cleaned	Yes	Resolved
6/5/2022	Discharge/Traffic Spill	548	0.79	WSP	Oil	Cleaned	Yes	Resolved
6/7/2022	Discharge/Traffic Spill	520	6.95	Concrete Company	Concrete	Cleaned	No	Resolved
6/7/2022	Discharge/Traffic Spill	20	50.47	City of Anacortes	Vehicle Fluids	Cleaned	No	Resolved
6/9/2022	Discharge/Traffic Spill	5	103	WSP	Fuel		No	Resolved
6/9/2022	Illicit Connection	525	9.4	WSDOT	Stormwater		Yes	Resolved
6/10/2022	Illicit Discharge	3	41.1	Ecology	Turbid Water	Cleaned	Yes	Resolved
6/13/2022	Discharge/Traffic Spill	520	6	King County Metro	Vehicle Fluids	Cleaned	No	Resolved
6/14/2022	Discharge/Traffic Spill	520	5.18	King County Metro	Power Steering Fluid	Cleaned	No	Resolved
6/15/2022	Discharge/Traffic Spill	90	4	WSDOT	Unknown	Cleaned	No	Resolved
6/17/2022	Discharge/Traffic Spill	5	206.25	WSDOT	Gasoline	Cleaned	No	Resolved
6/18/2022	Discharge/Traffic Spill	112	32	WSP	Oil	Cleaned	No	Resolved
6/19/2022	Discharge/Traffic Spill	20	26.17	USCG	Diesel	Cleaned	No	Resolved
6/20/2022	Illicit Discharge	405	13.16	Contractor	Turbid Water	Cleaned	Yes	Resolved
6/21/2022	Discharge/Traffic Spill	5	105.23	WSP	Sewage	Cleaned	No	Resolved
6/24/2022	Discharge/Traffic Spill	5	166	Ecology	Coolant	Cleaned	No	Resolved
6/24/2022	Discharge/Traffic Spill	520	12.8	Ecology	Oil		No	Resolved
6/24/2022	Discharge/Traffic Spill	99	15	King County Metro	Coolant	Cleaned	Yes	Resolved
6/27/2022	Discharge/Traffic Spill	5	274	Sanitary Services	Vehicle Fluids	Cleaned	No	Resolved
6/29/2022	Discharge/Traffic Spill	2	2	TMS	Fuel	Cleaned	No	Resolved
6/29/2022	Discharge/Traffic Spill	5	167	TMS	Oil	Cleaned	No	Resolved
6/30/2022	Discharge/Traffic Spill	512	3.09	WSP	Oil	Cleaned	No	Resolved

