



# 2022 Stormwater Management Program Plan

Port of Tacoma

Permit WAR044200

March 2022

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**LIST OF ACRONYMS AND ABBREVIATIONS**

<b>Acronym/ Abbreviation</b>	<b>Definition</b>
AKART	All known, available, and reasonable methods of prevention, control, and treatment
Alliance	Northwest Seaport Alliance
BMP	Best Management Practice
CA	Corrective Action
CNE	Conditional No Exposure
DMR	Discharge Monitoring Report
Ecology	Washington State Department of Ecology
ECOSS	Environmental Coalition of South Seattle
ILA	Interlocal Agreement
ISGP	Industrial Stormwater General Permit
LID	Low-impact development
NPDES	National Pollutant Discharge Elimination System
OTR	Over-the-road
Port	Port of Tacoma
SIC	Standard Industrial Classification
SMGM	Port of Tacoma's Stormwater Management Guidance Manual
SWMMWW	Western Washington Stormwater Management Manual
SWMP	Stormwater Management Program

## INTRODUCTION

The Port of Tacoma (Port) 2022 Stormwater Management Program (SWMP) Plan documents the Port's adaptive management approach to the requirements of the Phase I Municipal Stormwater Permit (Permit) issued by the Washington Department of Ecology (Ecology). The Port's responsibilities for the SWMP Plan are detailed in Special Conditions 6.E, 7, 8 and 9 of the Permit. This plan is laid out in order of these sections for ease in comparing the Permit to the SWMP Plan.

The National Pollutant Discharge Elimination System (NPDES) permit program is a requirement of the Clean Water Act, which is intended to protect and restore waters for many human and aquatic uses. The US Environmental Protection Agency (EPA) has delegated permit authority to state environmental agencies. In Washington, the NPDES-delegated permit authority is Ecology.

The Permit allows municipalities to discharge stormwater runoff from municipal drainage systems into the state's water bodies (i.e., streams, rivers, lakes, wetlands, bays, etc.). Discharges are allowed only as long as municipalities implement programs to protect water quality. Protection is achieved by reducing the discharge of "non-point source" pollutants to the "maximum extent practicable" (MEP) through application of Permit-specified "best management practices" (BMPs). The practices specified in the Permit are collectively referred to as the SWMP and grouped under the following program components:

- Education and Outreach
- Public Involvement and Participation
- Illicit Discharge Detection and Elimination
- Construction Site Stormwater Runoff Control
- Post-Construction Stormwater Management for New Development and Redevelopment
- Operation and Maintenance Program
- Source Control in Existing Developed Areas
- Monitoring

The Port and the City of Tacoma entered into an Interlocal Agreement (ILA) for the “common interest in the proper management of surface water runoff (stormwater) to protect the water quality of Commencement Bay, its waterways and other receiving waters in and around the City and the Port.” Both parties have individual responsibilities for their respective Phase I Municipal Stormwater Permits, and this ILA aims to provide the framework for coordination between the parties for respective permit compliance. The parties meet annually to verify billing rates, discuss drainage and conveyance structures that drain one party’s property onto the other’s, set inspection schedules, and discuss any other objectives for successful implementation of their respective permit obligations.

The Port’s currently active Permit was issued by Ecology in August 2019 with an expiration date of July 2024.

The Permit requires the Port to issue a document describing the Port’s SWMP. This document serves as a planning tool for the Port and is updated annually. Many of the planned activities during 2022 are associated with implementing requirements in the 2019-2024 Phase I Permit and the City of Tacoma Interlocal Agreement. The Permit requires annual reporting on activities conducted during the previous year. These reports are submitted to Ecology on March 31 of each year.

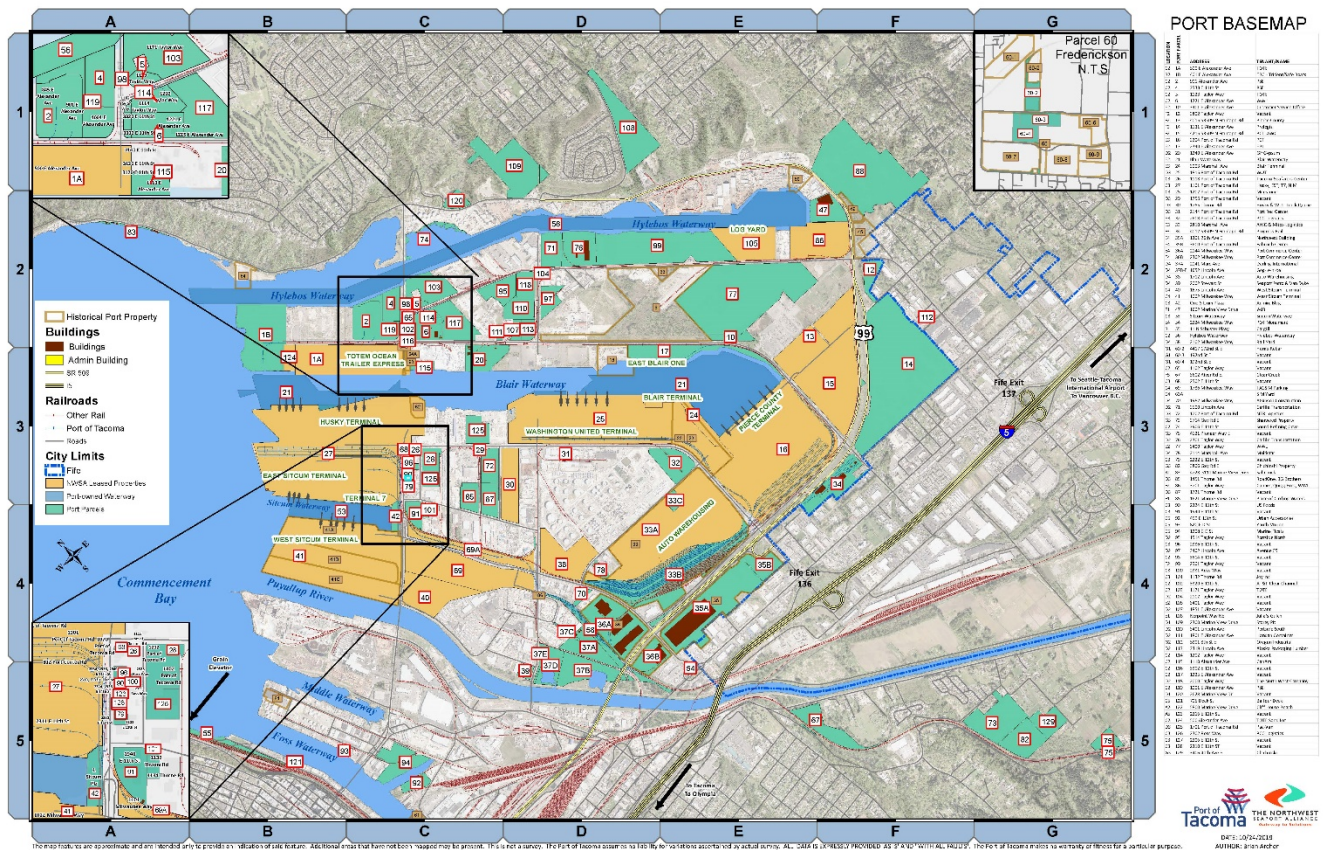
### **PORT OF TACOMA REGULATED AREA**

As a Secondary permittee under the Permit, the Port is responsible for complying with applicable terms of the Permit for the municipal separate storm sewers it owns or operates, including tenant-occupied properties. The Port owns approximately 2,600 acres of land—2,500 acres are located on the Tacoma Tideflats and 106 acres in unincorporated Pierce County. On the Tacoma Tideflats, stormwater flows through approximately 2,200 catch basins to discharge into Commencement Bay through about 130 outfalls.

A boundary map is included as Figure 1 (see also Attachment A) depicting Port properties as of October 2019.



Figure 1. Port-owned properties.



## SWMP IMPLEMENTATION RESPONSIBILITIES

The Permit requirements affect departments across the Port organization. The primary entity responsible for administering the SWMP is Environmental Programs and Planning Services. Other departments, including Real Estate, Maintenance, External Affairs, and Engineering are responsible for executing some tasks and do so in cooperation with Environmental Programs.

## SWMP Components

### S6.E.1 EDUCATION PROGRAM

The Port's SWMP includes an education program aimed at tenants and Port Employees. The goal of the education program is to reduce or eliminate behaviors and practices that cause or contribute to adverse stormwater impacts. By extension, the education program is designed to protect the waterways and Commencement Bay.

#### WHAT THE PERMIT REQUIRES

The Port shall make educational materials available to tenants and employees whose job duties could impact stormwater.

#### WHAT THE PORT IS DOING

The Port provides the following education materials and training events to our customers and staff:

- Tenant education book about stormwater compliance best practices.
- Training materials for Port employees whose job duties could impact stormwater.
- Port of Tacoma Website which contains links and information about water quality <https://www.portoftacoma.com/community/environment/water-quality>
- A "Frequently Asked Questions" document based on questions tenants ask. The document is maintained as needed and is available to tenants.
- An annual stormwater workshop in the Summer for tenants, consultants and employees. This may be virtual depending on current COVID restrictions.
- Stormwater pollution prevention education during tenant source control inspections and the lease process
- Site specific environmental requirements, including applicable laws and regulations related to stormwater management, in a Lease Exhibit to tenants.
- Educational tables at conferences, fairs, organization meetings, and events such as the Tacoma Farmer's Market, Children's Water Festival and other community events.

For information on specific activities for 2022, please refer to Attachment D.



## S6.E.2 PUBLIC INVOLVEMENT AND PARTICIPATION

The Port makes the latest version of the SWMP Plan and annual report available to the public.

### WHAT THE PERMIT REQUIRES

The Port shall make the latest updated version of the SWMP Plan available to the public. The most recent SWMP Plan and Annual Report shall be posted on the Port's website.

### WHAT THE PORT IS DOING

The SWMP Plan and Annual Report are posted to the Port of Tacoma website: <https://www.portoftacoma.com/community/environment/water-quality>. The SWMP Point of Contact is also listed with telephone and email to receive comments.

Included on the website are useful links to the current permit, stormwater pollution prevention plan (SWPPP) templates, stormwater guidance manual and an effluent curve template. The effluent curve template is useful for tenants to use as a helpful tool when selecting stormwater treatment for their site.

### S6.E.3 ILLICIT DISCHARGE DETECTION AND ELIMINATION

The Port's SWMP includes a program to identify, detect, remove, and prevent illicit connections and illicit discharges, including spills, into the Municipal Separate Storm Sewer System (MS4) owned or operated by the Port.

#### WHAT THE PERMIT REQUIRES

- Comply with relevant ordinances, rules, and regulations of the local jurisdiction.
- Implement policies prohibiting illicit discharges and an enforcement plan to ensure compliance with illicit discharge policies.
- Map the MS4 with locations of all storm drain outfalls and discharge points, label the receiving waters, delineate the contributing areas to each outfall and discharge point.
- Conduct field inspections and visually inspect for illicit discharges. Implement procedures to identify and remove illicit discharges. Keep records of inspections and follow-up activities.
- Implement a spill response plan that includes coordination with a qualified spill responder. Also comply with Tacoma Municipal Code (TMC) 12.08.090 F.
- Provide staff training for stormwater compliance or coordinate with existing training efforts to train staff on proper BMPs for preventing illicit discharges, including spills. Train all permittee staff who, as part of their normal job responsibilities, have a role in preventing illicit discharges.

#### WHAT THE PORT IS DOING

##### Comply with Relevant Ordinance, Rules and Regulations

- Continue coordinating and complying with local jurisdiction ordinances, rules and regulations that govern non-stormwater discharges. Water Quality staff attend the Environmental Services Commission to stay abreast of regulatory changes and provide input to the capital program and rate structure discussions.
- Continue working on the interlocal agreement with the City of Tacoma for the purpose of spill response and stormwater site plans for developments on Port property that do not discharge to City MS4 infrastructure.

##### Implement IDDE Policies and Procedures

- Maintain an IDDE policy as part of the Port's Environmental Policies and Procedures. This policy is reviewed and updated as necessary to ensure it remains current with Permit requirements. The document is available upon request.

- Inspect Port facilities regularly for illicit discharges. Develop and implement procedures for tracing sources of illicit discharges include visual inspections and dye tests. Camera inspections of storm drain lines are conducted when necessary. The Port also works closely with its tenants to recognize and report any illicit discharges or illegal dumping.

#### Map the Stormwater System

- Map all MS4 outfalls with a 12-inch or larger nominal diameter. This information is part of the Port's GIS database and is updated regularly.
- Map all known connections with an 8-inch or greater nominal diameter. This information is part of the Port's GIS database and is updated regularly.
- Map Port's land use and permit coverage are also shown in Attachments B and C.

#### Conduct Field Inspections

- Field screening at least 20% of all MS4 structures by the end of the year. These records are accessible to staff via work order management software that integrates the Port's stormwater mapping with inspection records.

#### Implement a Spill Response Plan

- Maintain a list of emergency contacts for emergency response to IDDE concerns.
- Maintain a spill response and prevention plan including agency notification procedures.

#### Provide Staff Training

- Provide training to staff and tenants on how to identify and prevent illicit discharges. The staff who receive training includes the environmental crew responsible for operation and maintenance of the storm sewer system, equipment maintenance personnel and Port personnel who work on the various terminals the Port operates.
- Keep records of training provided and staff trained.

## S6.E.4 CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

The Port's SWMP includes a program to reduce pollutants in stormwater runoff from construction activities under the functional control of the Port.

### WHAT THE PERMIT REQUIRES

- Comply with local jurisdiction ordinances, rules, and regulations for construction phase stormwater pollution prevention measures.
- Ensure construction projects under the functional control of the Port obtain a Construction Stormwater General Permit when applicable.
- Coordinate with City of Tacoma regarding projects owned or operated by other entities which discharge into Port's MS4 to assist in compliance.
- Provide or coordinate training to educate relevant staff in erosion and sediment control BMPs and requirements.
- Coordinate with Ecology and City of Tacoma to provide access for inspections of construction sites under the functional control of the Port.

### WHAT THE PORT IS DOING

- Port staff coordinates with the local jurisdiction where the Port intersects with other agencies' MS4 connections. The Port entered into an Interlocal Agreement with the City of Tacoma in 2013. The agreement facilitates the permitting process for construction projects under the functional control of the Port.
- The Port coordinates with City of Fife on projects adjacent to their jurisdiction. Current projects include the Alexander / 54<sup>th</sup> street interchange, SR 167 / 509, and a Wapato Creek restoration project.
- The Port typically files Notices of Intent in compliance with Ecology's Construction NPDES Permit for construction projects, where the size of site disturbance requires the permit, prior to advertising for bid. Once the project is successfully under contract, the Port usually transfers the permit to contractor for the duration of the project. In the unusual instance where the Port retains the permit, all necessary permit actions and reports are completed on time.
- Port Water Quality staff train other Port staff and tenants (as they request) to ensure correct implementation of appropriate construction stormwater requirements. Port field staff are specifically trained on appropriate use of erosion and sediment control BMPs. The Port ensures that appropriate staff are CESCL (Certified Erosion and Sediment Control Lead) trained and certified.



- Water Quality staff develop construction stormwater SWPPPs for construction projects greater than one acre, as required by the Construction Stormwater General Permit, when the SWPPP must be completed prior to the project going out to bid. The CSW permit is transferred to the Contractor after Notice to Proceed has been issued and is responsible for permit compliance until the project is complete. For projects smaller than one acre, the contractor is responsible for SWPPP implementation and compliance with the Port's Phase I Municipal Stormwater Permit.
- The Port has developed a Construction Stormwater Short form for all projects with disturbance less than an acre. This form is provided to the contractor during pre-work submittal process.

## S6.E.5 POST-CONSTRUCTION STORMWATER MANAGEMENT FOR NEW DEVELOPMENT AND REDEVELOPMENT

The Port's SWMP includes a program to address post-construction stormwater runoff from new development and redevelopment projects. The program has established controls to prevent or minimize water quality impacts.

### WHAT THE PERMIT REQUIRES

- Comply with local jurisdiction's relevant ordinances, rules and regulations for post construction stormwater pollution prevention measures. This also requires compliance with Minimum Technical requirements for new development and redevelopment contained in the Phase I Municipal Stormwater Permit Appendix 1.
- Coordinate with local jurisdictions regarding projects owned or operated by other entities which discharge into Port of Tacoma's MS4 to assist with compliance.

### WHAT THE PORT IS DOING

- Coordinate with City of Tacoma and the City of Fife to ensure compliance with their relevant ordinances, rules and regulations. Specifically, the Port works with the City of Tacoma to ensure completed projects are mapped in both GIS systems.
- In 2019, the Port and the City of Tacoma completed another one-year extension of the Interlocal Agreement. Water Quality staff continue to work on an agreement that can be durable for an entire Permit term.
- Comply with applicable minimum technical requirements for new development and redevelopment that are contained in Appendix 1 of the Permit. This is accomplished by providing guidance and recommendations to Port Engineering staff during project development.
- Port Water Quality staff train other Port staff and consultants on design and installation of appropriate stormwater treatment BMPs in accordance with the minimum technical requirements and the Port's Stormwater Management Guidance Manual.
- The Port has developed a Stormwater Management Guidance Manual specific to port operations including integrating Industrial Stormwater General Permit needs with the development requirement of the MS4. The Port continues to develop a Port-specific BMP manual with treatment BMPs proven to be effective in the tidally influenced, heavily developed Port environment.
- Coordinate and provide training for Port Departments to ensure that appropriate stormwater treatment applications are designed, installed, and maintained.

- The Port currently references the "Guidance Document, Western Washington Low Impact Development (LID) Operation and Maintenance (O&M) document on the Ecology website ([LID Link](#)). Water Quality staff are developing a Port-specific LID use policy for new/redevelopment projects.

## S6.E.6 OPERATION AND MAINTENANCE PROGRAM

The Port has an operation and maintenance program for all stormwater treatment and flow control BMPs/facilities and catch basins to ensure that BMPs continue to function properly.

### WHAT THE PERMIT REQUIRES

- An O&M Manual for all stormwater treatment and flow control BMPs/facilities and catch basins under the functional control of the Port and which discharge stormwater to the Port's MS4 or to the City of Tacoma's MS4.
- Maintain a copy of the O&M manual in appropriate departments and update as needed.
- Develop maintenance standards for those BMPs that do not otherwise have one and establish facility-specific maintenance standards that are as protective (or more so) than the Stormwater Management Manual for Western Washington (SWMMWW). The manual shall be updated as necessary.
- The manual shall prescribe standards by which Port employees can determine whether a facility or structure needs maintenance. The manual shall prescribe necessary maintenance actions for each facility or structure and the timeline in which these shall be completed.
- Manage maintenance activities to inspect all stormwater facilities listed in the O&M manual annually and take appropriate maintenance action in accordance with the O&M manual.
- Provide appropriate training to Port Maintenance staff.
- Maintain records of these inspections and maintenance activities.

### WHAT THE PORT IS DOING

- Maintain an O&M manual for all stormwater BMPs that are currently in use at the Port. The manual is kept in the Water Quality Department with copies of the manual in the Maintenance and Facilities Development Departments. This manual includes inspection checklists for each BMP type.
- Routinely update the Stormwater Map Book which is used by Maintenance staff and tenants to locate stormwater infrastructure appurtenances.
- Train Maintenance staff on BMP inspections, catch basins, oil/water separators, drainage pipes, and outfalls. The purpose of the training is to orient Maintenance staff to the use of the structure-specific inspection checklists.



- Maintenance staff inspect all stormwater facilities in the functional control of the Port on an annual basis. When maintenance is required, appropriate steps are taken according to the O&M manual specifications. The Port also performs spot checks of stormwater facilities after major storm events. Storm drains are cleaned at that time, if needed, to prevent flooding of streets and parking lots.
- Maintain records of inspections and maintenance activities using NPDESPro and Maximo for tracking work orders associated with maintenance activities.
- Facilities and structures under the functional control of the Port changes frequently. Maintain a master list of parcels, leases, and stormwater assets on all the parcels to ensure that maintenance inspects all applicable structures and facilities.

## S6.E.7 SOURCE CONTROL IN EXISTING DEVELOPED AREAS

The Port's SWMP includes the development and implementation of one or more SWPPPs to adequately document the Port's work to implement and monitor source control practices to prevent and control the contamination of stormwater discharges to surface or groundwater on properties under the Port's functional control. SWPPPs shall be prepared and implemented for all Port-owned lands, except environmental mitigation sites owned by the Port, that are not covered by an NPDES permit issued by Ecology that authorizes stormwater discharges.

### WHAT THE PERMIT REQUIRES

- Update SWPPPs as necessary to reflect changes at each facility.
- SWPPPs shall include a site plan, identification of pollutant sources, and description of the drainage system.
- The SWPPPs shall provide a description of the source control BMPs used or proposed for use by the Port. Implementation of non-structural BMPs shall begin immediately after the pollution prevention plan is developed. Where necessary, a schedule for implementation of structural BMPs shall be included in the SWPPPs.
- Maintain a list of sites covered by the SWPPPs required under the Permit. At least 20% of the listed sites shall be inspected annually.
- The SWPPPs shall include policies and procedures to reduce pollutants associated with the application of pesticides, herbicides, and fertilizer.
- The SWPPPs shall include measures to prevent, identify and respond to illicit discharges, including illicit connections, spills, and improper disposal. When the Port submits a notification pursuant to G3, the Port shall also notify the City of Tacoma.
- The SWPPPs shall include a component related to inspection and maintenance of stormwater facilities and catch basins that is consistent with the Port's O&M Program.

### WHAT THE PORT IS DOING

The Port began developing SWPPPs in 2008 and now has an established program in place to address source control in existing developed areas through the ongoing development and implementation of SWPPPs. The Port's ongoing activities include:

- Maintain a SWPPP template for tenants not covered by another NPDES permit. These templates are available on the Port website, and assistance is given when requested; [www.portoftacoma.com](http://www.portoftacoma.com).

- Maintain a list of Port-owned lands covered by a SWPPP required by the Phase I Municipal Stormwater Permit. This list is updated annually. A current map is marked as Attachment A.
- Provide annual training on maintaining and implementing the required SWPPPs. Water Quality staff train affected Port employees and tenants (as requested) to identify pollutant sources and to understand pollutant control measures, spill prevention and response, BMPs in the Port SWPPP, and environmentally acceptable material handling/management practices. BMPs related to vehicle and equipment liquids such as fuels, and vehicle/equipment cleaning are highlighted and reinforced through training. Training records are included in the applicable SWPPPs. The largest tenant education event is the annual stormwater workshop held in the fall.
- Tenant SWPPPs are maintained in an electronic file. SWPPPs are updated as necessary.
- Review new leases and add site-specific stormwater language, as appropriate. New lease exhibits are updated on the permit layer in the GIS system and Maintenance is notified of any added or deleted stormwater structures for maintenance.
- Inspect tenant sites with Real Estate Department staff to minimize the number of site visits per tenant. This also helps Real Estate understand important source control issues.

## S6.E.8 MONITORING PROGRAM

Monitoring requirements for the Port are included under Special Condition S8.

See Section S8 Monitoring and Assessment on page 18 for more information.



## S7. COMPLIANCE WITH TOTAL MAXIMUM DAILY LOAD REQUIREMENTS

The Total Maximum Daily Load (TMDL) requirements only apply if a stormwater TMDL has been established for waters of the state that receive stormwater discharges from the stormwater system on Phase I Properties owned or operated by the Port. The applicable TMDLs that require additional compliance activities are listed in Appendix 2 of the Permit. At the time of publication, none of the TMDLs listed in Appendix 2 affect the Port. As such, no additional activities are required for compliance with TMDL conditions.

## S8. MONITORING AND ASSESSMENT

The Port makes annual payments into the collective fund to implement regional receiving water status and trends monitoring.

### WHAT THE PERMIT REQUIRES

- Make a one-time payment into the collective fund to implement regional small streams and marine nearshore areas status and trends monitoring in Puget Sound.
- Make an annual payment into a collective fund to implement regional receiving water status and trends monitoring of small streams and marine nearshore areas in Puget Sound, or conduct stormwater discharge monitoring per requirements in S8.C of the Phase I Permit.
- Make an annual payment into a collective fund to implement effectiveness and source identification studies or conduct stormwater discharge monitoring per requirements in S8.C of the Phase I Permit.

### WHAT THE PORT IS DOING

The Port makes annual payments into the collective funds to implement receiving water status and trends monitoring and effectiveness and source identification studies.

## S9. REPORTING REQUIREMENTS

The Port's SWMP includes a program to address the Phase I Permit's reporting requirements.

### WHAT THE PERMIT REQUIRES

- Submit an Annual Report no later than March 31 of each year through Ecology's Water Quality Permitting Portal.
- Keep all records related to this Permit and the SWMP for at least five years.
- Make all records related to this Permit and the SWMP available to the public and any individual or entity, upon request.

### WHAT THE PORT IS DOING

- Prepare and submit an Annual Report each year of the permit term.
- Routinely update the Stormwater Map Book which is used by Maintenance staff and tenants to locate stormwater infrastructure appurtenances.



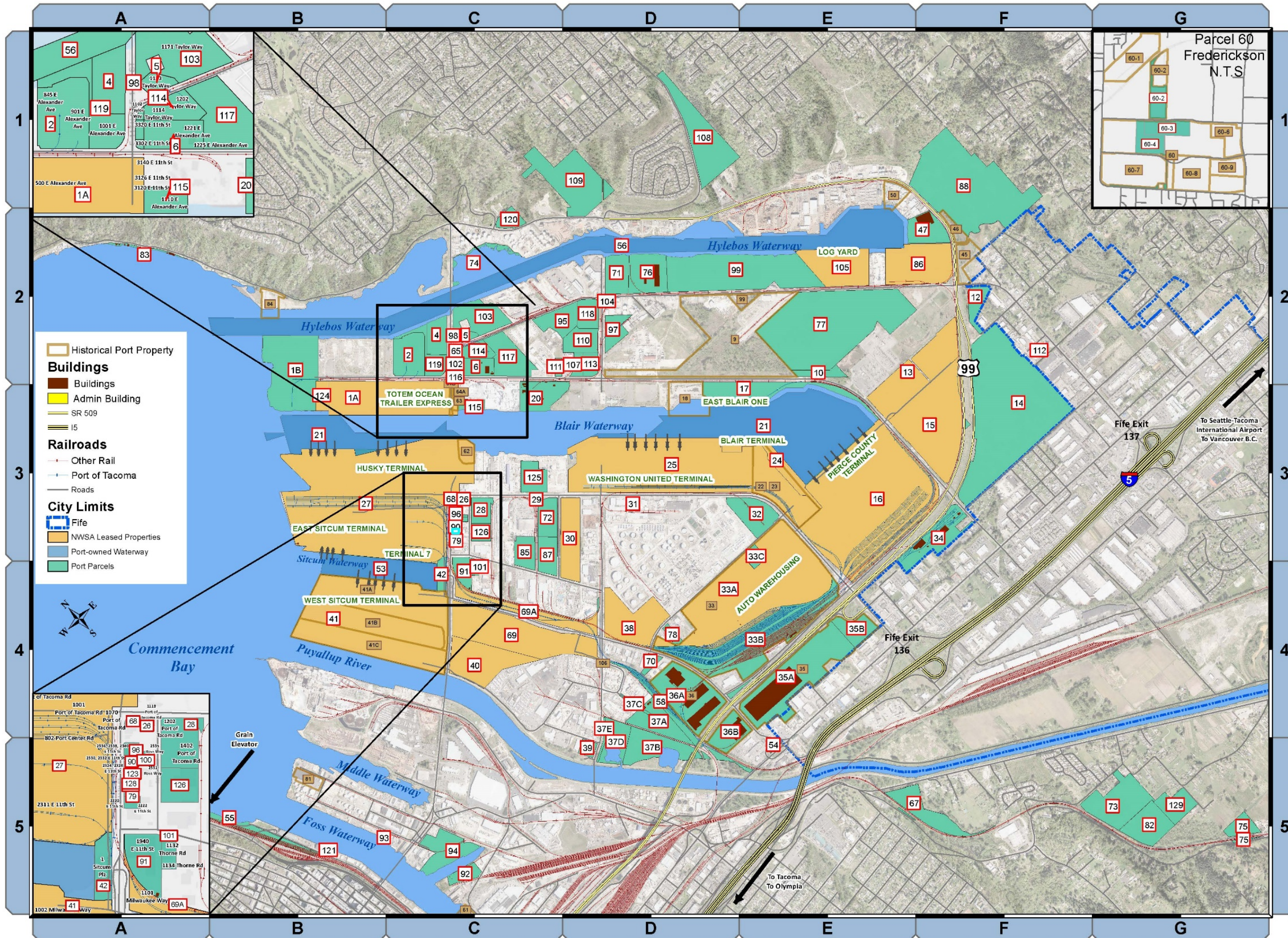


2022 Stormwater Management Program Plan

## ATTACHMENT A – Port of Tacoma Base Map

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PORT BASEMAP

LOCATION	PORT PARCEL	ADDRESS	TENANT/NAME
C2	1A	500 E Alexander Ave	TOT
B2	1B	401 E Alexander Ave	FRC - Trident/Safe Boats
C2	2	901 Alexander Ave	PSE
C2	4	1533 E 11th St	PSE
C2	5	1123 Taylor Way	TOT
C2	6	1221 E Alexander Ave	WWL
F2	10	3401 E Alexander Ave	Customer Service Office
F2	17	3802 Taylor Way	Vacant
F2	13	4015 S4509 N Frontage Rd	Pierce County
F2	14	1131 E Alexander Ave	Prologis
F2	15	4215 S4509 N Frontage Rd	PCI, AWC
E2	16	5231 Port of Tacoma Rd	PCI
D2	17	2340 E Alexander Ave	EBL
D2	20	1240 E Alexander Ave	GP Gypsum
D2	21	Blair Waterway	Blair Waterway
E2	24	3033 Marshall Ave	Blair Terminal
D2	25	1815 Port of Tacoma Rd	WJT
C2	26	1118 Port of Tacoma Rd	Tacoma Seafarers Center
C2	27	1101 Port of Tacoma Rd	Husky, EST, T, N M
C2	28	1202 Port of Tacoma Rd	Milestone
D2	29	1755 Port of Tacoma Rd	Vacant
D2	30	1755 Thorne Rd	Husky & WJT Truck Queue
D2	31	7144 Port of Tacoma Rd	Port Rec Center
F2	32	2608 Port of Tacoma Rd	PCC Logistics
F2	33	2810 Marshall Ave	AWC & Mico Logistics
F2	34	4017 S4509 N Frontage Rd	Progress Rail
F2	35A	1301 26th Ave	Northwest Building
F2	35B	3600 Port of Tacoma Rd	Fabulich Center
F2	36A	2144 Milwaukee Way	Port Commerce Center
F2	36B	2302 Milwaukee Way	Port Commerce Center
F2	37A	2041 Mar Ave	Darling International
F2	37B	1657 Lincoln Ave	Gig In Inc
D2	38	1712 Lincoln Ave	Auto Warehousing
D2	39	2002 Stewart St	Seaport Petro & Van Dyke
C2	40	1675 Lincoln Ave	West Sitcum Terminal
C2	41	1002 Milwaukee Way	West Sitcum Terminal
C2	42	One Sitcum Plaza	Admin. Bldg
F2	47	1602 Marine View Drive	WJR
C2	53	Sitcum Waterway	Sitcum Waterway
E2	54	2335 Milwaukee Way	PO1 Monument
E2	55	11 N Schurmer Hwy	Capril
C2	56	Hylebos Waterway	Hylebos Waterway
D2	58	2102 Milwaukee Way	Rail Yard
F2	60-2	4417 192nd St E	Harris Rebar
F2	60-3	192nd St E	Vacant
F2	60-4	192nd St E	Vacant
F2	65	1102 Taylor Way	Vacant
F2	67	3620 River Rd	Clear Creek
E2	68	7537 E 11th St	Vacant
C2	69	1736 Milwaukee Way	TACS M Parking
C2	69A		S M Yard
D2	70	1982 Milwaukee Way	Adkins Construction
D2	71	3500 Lincoln Ave	Carlisle Transportation
D2	72	1702 Port of Tacoma Rd	NTR Logistics
F2	73	3714 Gay Rd E	Shenwood Property
C2	74	1906 E 11th St	Sound Refining Cove
F2	75	4121 Pioneer Way	Vacant
F2	76	2301 Taylor Way	Carlisle Transportation
D2	77	3900 Taylor Way	WWL
D2	78	2111 Marshall Ave	Moldstar
C2	79	2222 E 11th St	Vacant
E2	82	3806 Gay Rd E	Chichinski Property
A2	83	4728-5110 Marine View Drive	Saltschuck
D2	85	1451 Thorne Rd	RoadOne, 3G Brothers
F2	86	5701 Taylor Way	Canary, Cullig Bros, WWL
D2	87	1721 Thorne Rd	Vacant
F2	88	1621 Marine View Drive	Place of Ordling Waters
C2	90	2326 E 11th St	US Foods
C2	91	1940 E 11th St	Vacant
C2	92	459 E 15th St	Urban Accessories
C2	93	820 E D St	Youth Marine
C2	94	1208 E D St	Marine Fleets
D2	95	1514 Taylor Way	Portside North
D2	96	2336 E 11th St	Vacant
D2	97	3402 Lincoln Ave	Avenue 53
C2	98	3514 E 11th St	Vacant
F2	99	2901 Taylor Way	Vacant
C2	100	2331 Ross Way	Vacant
C2	101	1132 Thorne Rd	Joy Inc
C2	102	3320 E 11th St	A&T Clear Channel
C2	103	1171 Taylor Way	TOT
D2	104	2102 Taylor Way	Vacant
F2	105	3401 Taylor Way	Vacant
F2	107	1851 E Alexander Ave	Vacant
F2	108	Nonpoint Way NE	Julia's Gulch
D2	109	2300 Marine View Drive	Sorey Pk
D2	110	3401 Lincoln Ave	Portside South
D2	111	1801 E Alexander Ave	Handan Container
D2	112	5301 8th St E	Oregon Industrial
D2	113	3319 Lincoln Ave	Alaska Packaging, Lumber
C2	114	1202 Taylor Way	Vacant
C2	115	1110 Alexander Ave	Canim
C2	116	3302 E 11th St	Vacant
C2	117	1225 E Alexander Ave	Vacant
D2	118	2000 Taylor Way	The North West Company
D2	119	1001 E Alexander Ave	PSE
D2	120	2628 Marine View Dr	Vacant
A2	121	705 Dock St	Balfour Dock
A2	122	5800 Marine View Drive	Cliff House Beach
A2	123	2316 E 11th St	Vacant
C2	124	500 Alexander Ave	TOT
C2	125	1721 Port of Tacoma Rd	Pac Van
C2	126	2302 Ross Way	PCC Logistics
C2	127	2306 E 11th St	Vacant
C2	128	2310 E 11th St	Vacant
F2	129	3406 40th Ave	Chichinski

The map features are approximate and are intended only to provide an indication of said feature. Additional areas that have not been mapped may be present. This is not a survey. The Port of Tacoma assumes no liability for variations ascertained by actual survey. ALL DATA IS EXPRESSLY PROVIDED "AS IS" AND "WITH ALL FAULTS". The Port of Tacoma makes no warranty of fitness for a particular purpose.

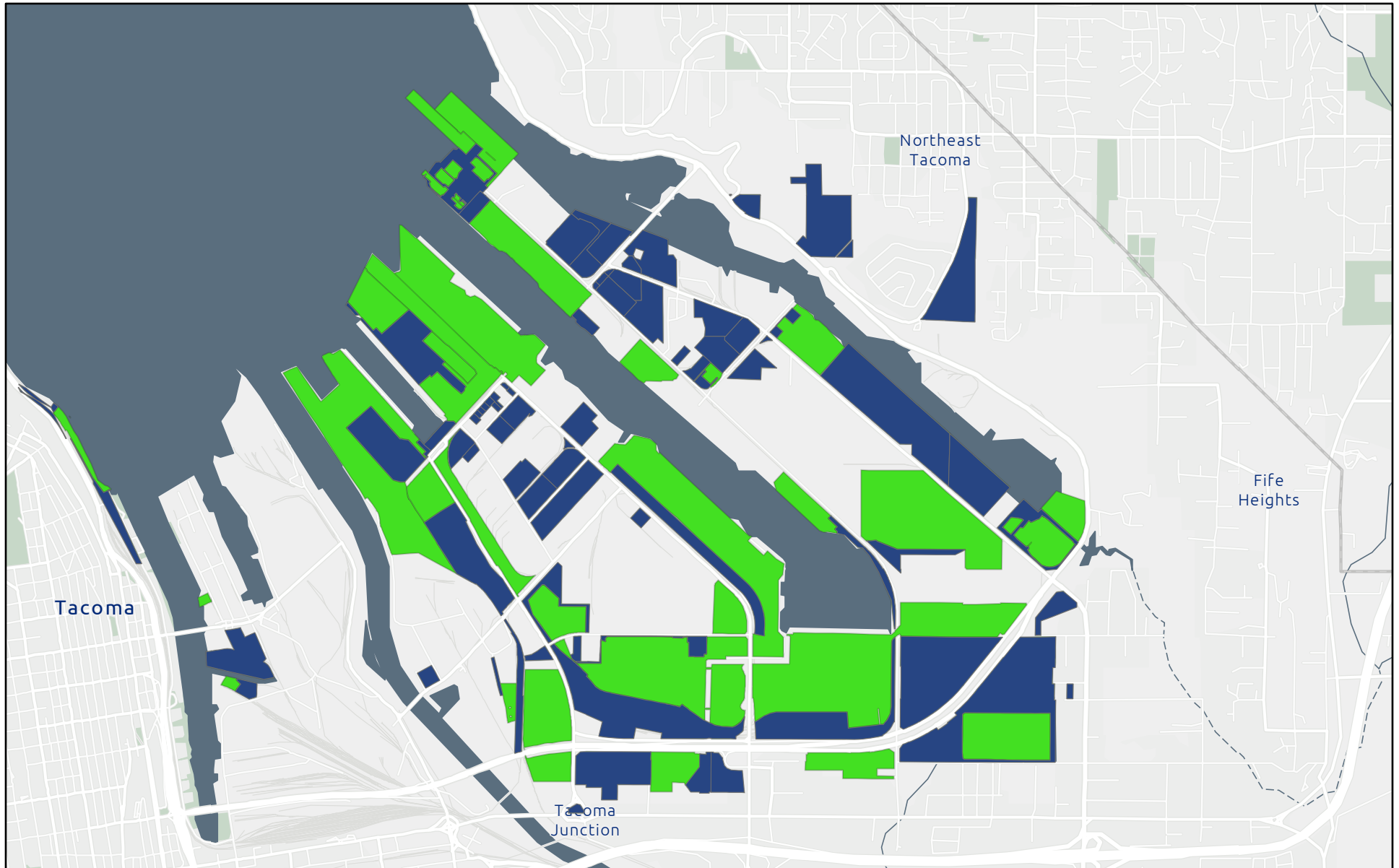






## ATTACHMENT B – PORT PARCEL PERMIT COVERAGE

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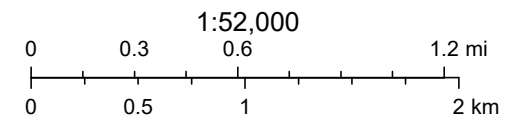
# POT NPDES Permit Area Map



4/21/2022

-  Port of Tacoma, MS4 permit
-  Industrial Permits

World Hillshade



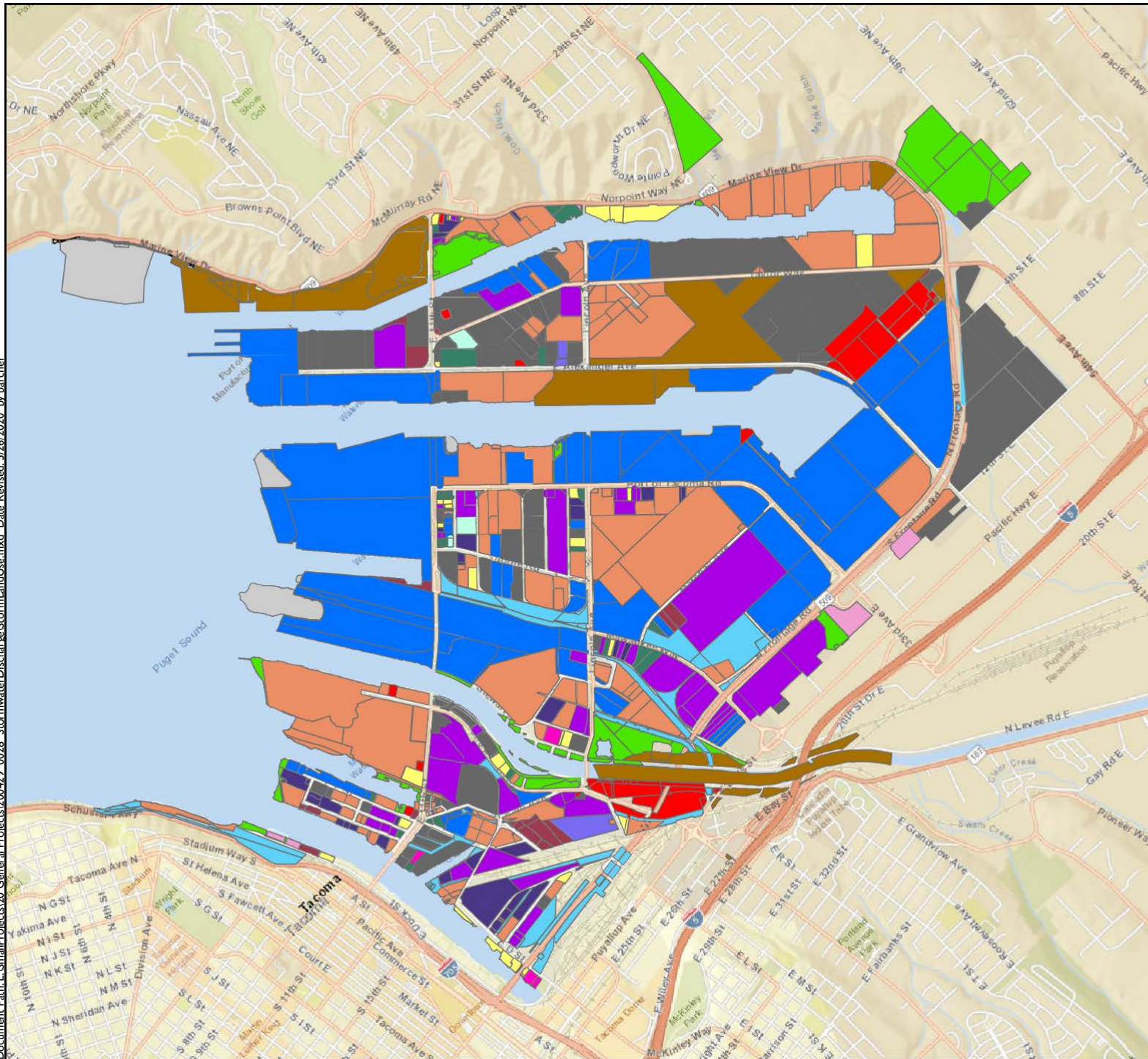
Esri (configured by Port of Tacoma), Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen,

Ben Nield



## ATTACHMENT C – PORT LAND USE MAP

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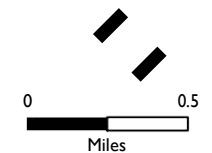


## Port Land Use

### Legend

#### Current Landuse (2014)

- COMMERCIAL
- CONTRACTOR SERVICE
- INFRASTRUCTURE
- MANUFACTURING
- NONE
- OFFICE/FIRE
- OPENSOURCE
- PUBLIC
- RECYCLING
- RESIDENTIAL
- SERVICE
- TBD
- TRANSPORTATION
- TRIBAL
- UTILITIES
- VACANT
- WAREHOUSING
- WHOLESALE TRADE



Data Source: Imagery (ESRI Street Map Imagery)



**DISCLAIMER:** The information included on this map has been compiled by Port of Tacoma staff from a variety of sources and is subject to change without notice. These data are intended for informational purposes and should not be considered authoritative for engineering, navigational, legal and other site-specific uses. The Port of Tacoma makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information.



## 2022 Stormwater Management Program Plan

### ATTACHMENT D – 2022 WORK PLAN

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**Port of Tacoma 2021 Stormwater Management Program Plan  
Attachment D: Work Plan**

Stormwater Program Element	Permit Requirements	2022 Task Description	Schedule
<b>Stormwater Management Program (SWMP) Administration</b>	SWMP “ <i>designed to reduce the discharge of pollutants from MS4s to the maximum extent practicable (MEP) and protect water quality</i> ”, PHI MS4 permit S6.A.2	Update with 2022 permit activities	<b>Prior to March 31</b>
	Coordination – ILA	Development of a Stormwater Comprehensive Plan	<b>2022</b>
	Legal Authority – statutes, ordinances, permits, contracts, orders, interagency agreements or similar instruments	Coordination with local jurisdictions (City of Fife and City of Tacoma ILA update)	<b>Ongoing</b>
<b>S6.E.1 Education Program</b>	Annual training on Stormwater Program Elements (employees)	Update/create presentations to cover IDDE, Construction Stormwater (CSW), O & M, and source control	<b>End of Q3</b>
		Provide site-specific training for maintenance staff: schedule several training sessions targeted at new device maintenance requirements	<b>End of Q4</b>
	Annual Environmental Workshop (tenants)	Planning and execution of Environmental Workshop	<b>Planning - June Workshop - August</b>
	Education materials	Best Management Practices one-pagers for website and distribution	<b>Ongoing</b>
	Tenant Site visits	Source Control inspections on tenant sites with Real Estate	<b>Ongoing</b>
<b>S6.E.2 Public Involvement &amp; Participation</b>	Latest version of SWMP Plan and annual report available on the website	Uploaded to website	<b>March 31</b>
	Public Education Events	Water Quality team staffs tables at Stormwater Conferences, farmers markets, career fairs, and festivals through out the year.	<b>Ongoing</b>

**Port of Tacoma 2021 Stormwater Management Program Plan  
Attachment D: Work Plan**

Stormwater Program Element	Permit Requirements	2022 Task Description	Schedule
S6.E.3 Illicit Discharge Detection and Elimination (IDDE) Program	Develop a policy for illicit connections; Non-stormwater discharges including spills of hazardous materials and proper disposal of pet waste and litter	Update IDDE policy and spill plan	Update as necessary
		Create procedure for removing illicit discharges	Update as necessary
	Mapping: Known outfalls; Receiving waters; Land uses; Tributary conveyance (size, material, type attributes) and associated drainage areas of MS4 outfalls 24" or equivalent open conveyance; all outfalls 12"; Known connections >8" to tributary conveyance	Conduct field verification of infrastructure	Ongoing
		Conduct IDDE inspections	July- August
	Spill response plan: Implement spill response plan; Ongoing staff training on BMPs for preventing illicit discharges; Keep training records	Modify spill response procedure as needed.	Ongoing
		Training for Maintenance staff, Operations and Security	End of Q3
S6.E.4 Construction Site Stormwater Runoff Control Program	Land use planning & applicability thresholds; Exemptions; Enforcement training	Develop a documentation and record keeping program to track construction stormwater inspections, activities and compliance	Update as needed
		Train maintenance staff on erosion and sediment control (ESC) BMPs	Q3
	Construction stormwater (CSW) permits	Coordinate with Port staff engineering PM's and tenants	Ongoing
	Construction SWPPP < 1 acre	Procedure for project triggering MS4 CSW SWPPP	May



**Port of Tacoma 2021 Stormwater Management Program Plan  
Attachment D: Work Plan**

Stormwater Program Element	Permit Requirements	2022 Task Description	Schedule
<b>S6.E.4 Construction Site Stormwater Runoff Control Program</b>	Coordinate with City of Tacoma	Port staff coordinates with the City of Tacoma where the Port intersects City of Tacoma MS4 connections. The Port entered into an Interlocal Agreement with the City of Tacoma in 2013. The agreement facilitates the permitting process for construction projects under the functional control of the Port. The Port is currently auditing the surface water fees assessed each parcel to ensure the fees are accurate.	<b>Ongoing</b>
	Provide or coordinate training to educate relevant staff in erosion and sediment control BMPs and requirements.	Stormwater Management Guidance Manual specific to Port operations including integrating the Industrial Stormwater permit needs with the development requirement of the MS4.	<b>Update as needed</b>
		Water Quality staff train other Port staff and tenants to ensure correct implementation of appropriate construction stormwater requirements. Port field staff are specifically trained on appropriate use of erosion and sediment control BMPs. The Port ensures that appropriate staff are CESCL trained and certified.	<b>Ongoing</b>
<b>S6.E.5 Post-Construction Stormwater Management for New Development and Redevelopment</b>	Stormwater Management Guidance Manual (SMGM)	Continue coordination with engineering, consultants and tenants submitting tenant improvement (TI) requests	<b>Ongoing</b>

**Port of Tacoma 2021 Stormwater Management Program Plan  
Attachment D: Work Plan**

Stormwater Program Element	Permit Requirements	2022 Task Description	Schedule
<b>S6.E.6 Operations and Maintenance Program</b>	Policies and procedures for: Pipe cleaning; Culvert cleaning; Ditch maintenance; Street cleaning; Road repair; Snow & ice control; Utility installation; Vegetation management; Pavement striping maintenance; Sediment and erosion control; Pesticide, herbicide, fertilizer use; Landscape maintenance; Trash and debris management; Building exterior cleaning and maintenance;	Develop procedures for activities listed	<b>Q3</b>
		Meet bi-monthly with Maintenance staff	<b>Ongoing coordination with maintenance</b>
	O & M Manual Update	Update existing devices in O & M Manual	<b>Ongoing</b>
	Training Curriculum	Training Maintenance staff on O & M Manual checklists	<b>August</b>
	Outfall Maintenance Program	Assess condition and prioritize maintenance	<b>Current permit to allow outfall maintenance is held up by agencies</b>
		Coordinate schedule with maintenance staff	
		Schedule in Maximo	
	Device-specific maintenance standards	Add/Update Maintenance Standards checklists for CBs, OWS, Manufactured devices, flow splitters, open conveyance systems, etc.	<b>Update as needed</b>
		Create checklists for devices NOT in Ecology's manual	<b>Update as needed</b>
	Inspection requirements: catch basins, treatment and flow control devices	Inspect all devices annually OR document maintenance in order to implement Catch Basin Inspection Alternatives, Ecology Publication No. 13-10-019	<b>Ongoing coordination with maintenance</b>
		Review and compare tracking system counts	<b>Q2</b>

**Port of Tacoma 2021 Stormwater Management Program Plan  
Attachment D: Work Plan**

Stormwater Program Element	Permit Requirements	2022 Task Description	Schedule
<b>S6.E.6 Operations and Maintenance Program</b>		Document inspections and follow-up	<b>Ongoing</b>
	Document maintenance conducted	Annual documentation will be tracked via NPDES Pro	<b>Monthly</b>
<b>S6.E.7 Source Control in Existing Developed Areas</b>	SWPPP development for all port-owned lands except mitigation sites; currently 67 properties are MS4	Update SWPPP template for vacant MS4 sites	<b>Updated as needed</b>
		Provide SWPPP template or MS4 Short Form customers	<b>As needed</b>
		Follow-up to make sure SWPPPs are on file	<b>As needed</b>
		SWPPP templates are posted to website.	<b>Ongoing case by case basis</b>
		Enforcement via lease language (update)	<b>Ongoing case by case basis</b>
	SWPPP implementation: Non-structural BMP implementation immediately upon completion of SWPPP	Send maintenance requests for BMP implementation on vacant sites	<b>Ongoing</b>
	Source Control inspections: 20% inspected annually	Create list of facilities for 2023	<b>November</b>
<b>S8 Monitoring</b>	Pay in to opt out	Process invoices for permit and monitoring payments	<b>Ongoing</b>
<b>S9 Annual Report</b>	Ecology-provided form; electronic submittal required	Populate Annual Report form with appropriate information; Update SWMP Plan	<b>March 31</b>