

2019 NPDES Annual Report and Stormwater Management Program Plan

March 5, 2020



Clean Water Act



NPDES Permit Program





A Citywide Responsibility

Key Contributors

- Public Works
 - Water Resources
 - Transportation
 - General Services
 - Engineering
 - Fleet & Facilities

- CP&D
 - Planning
 - Permitting
 - Engineering/Building

- Parks
 - Operations & Maintenance



Permit Requirements

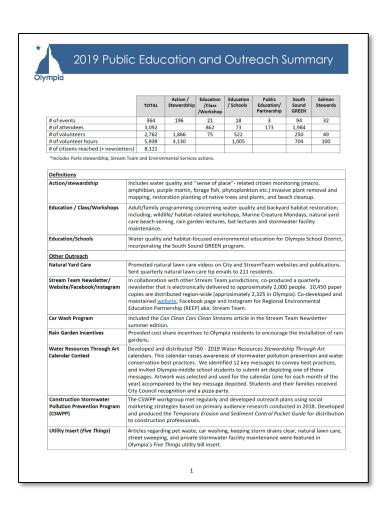
- 1. Stormwater Planning
- 2. Public Education & Outreach
- 3. Public Involvement
- 4. Mapping
- 5. Illicit Discharge Detection & Elimination (IDDE)
- 6. Construction Site Runoff
- 7. Municipal Operations and Maintenance (O&M)
- 8. Source Control for Existing Development
- 9. Compliance with Total Maximum Daily Load (TMDL)
- 10. Monitoring and Assessment
- 11. Reporting

Stormwater Planning

- Coordination with Long-range Plans
- LID Preferred Approach to Site Development
- Stormwater Management Action Plan (SMAP)
 - Receiving Water Assessment
 - Receiving Water Prioritization
 - Identify Priority Catchment Basin

Public Education and Outreach

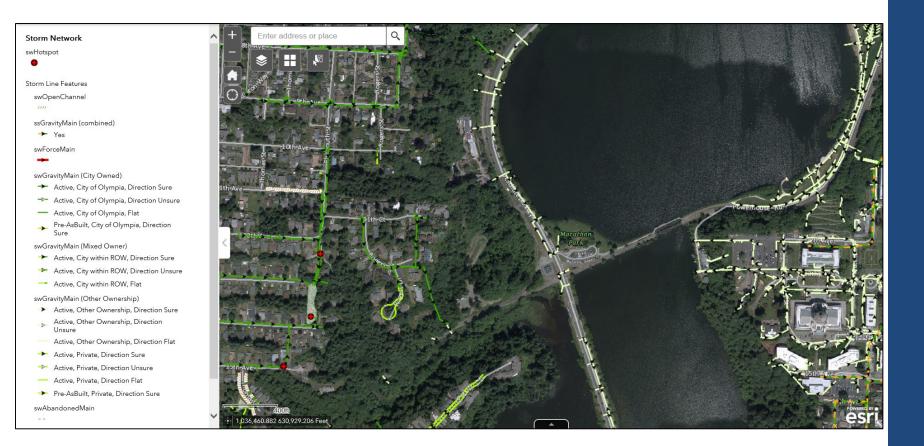
- General Awareness
- Behavior Change
- Stewardship



Public Involvement

- Advisory Councils
- Public Meetings/Hearings
- Watershed Committees
- Participation in developing rate structures

Mapping



Illicit Discharge Detection and Elimination (IDDE)

- Prevent, Detect, Trace, and Eliminate Illicit Connections and Illicit Discharges
 - Spill Hotline: 360.753.8333 (PW Dispatch)
 - 20 illicit discharges eliminated during 2019
- Compliance and Enforcement
- Training Field Staff

Construction Site Runoff

- Drainage Design and Erosion Control Manual for Olympia
- CP&D and PW Coordination
 - Development Plan Review
 - Inspections
 - Compliance & Enforcement
- Training (Erosion Control, LID, SW Design)

Operations and Maintenance (O&M) Pollution Prevention

- Stormwater System Inspections
 - Spot Checks: "hot spot" list
 - Catch Basins
 - Treatment and Flow Control Facilities
- Stormwater Pollution Prevention Plan (SWPPPs)
 - Public Works Maintenance Center
 - Priest Point Park Maintenance Facility
- Training (Spill Response, Erosion Control, BMPs)

Source Control

- Ordinance
 - Source Control BMPS
 - Structural BMPs
- Site Inventory
- Site Inspections
- Enforcement
- Training





TMDL and Monitoring

Henderson

 Updated Coordinated Monitoring Plan

Deschutes

- EPA approved temperature parameter of the TMDL plan and disapproved others.
- Track Temperature Reduction Measures



Deschutes River, Percival Creek, and Budd Inlet Tributaries Temperature, Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Fine Sediment Total Maximum Daily Load

Water Quality Improvement Report and Implementation Plan - FINAL



December 2015 Publication no. 15-10-012

Monitoring and Assessment

- Stormwater Action Monitoring
 - Status and trends receiving waters
 - Effectiveness and source identification studies
- Interlocal Agreement with Thurston County
 - Black Lake Ditch
 - Chambers Creek
 - Indian Creek
 - Moxlie Creek
 - Percival Creek

Questions

