

WATER QUALITY PROGRAMS



Surface Water Management

February 2019



Snohomish County
Public Works
Surface Water Management

NPDES Stormwater Permit





Understand



Inspect/Investigate



Eliminate



Prevent



Snohomish County
Public Works
Surface Water Management



Understand

State of Our Waters

Water Quality Facilities Planning



- 2018
- SOOW
 - 30 stream reaches
 - 14 miles of big river
 - 35 lakes
 - WQFP
 - Puget Sound Drainages
 - Marshlands





Inspect



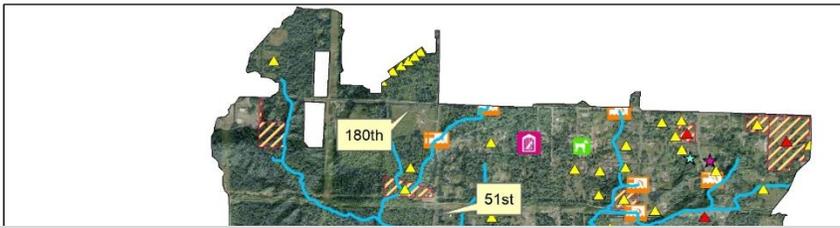
2018

- Inspected 1684 drainage facilities
- Ensured maintenance on 560 drainage facilities
- Inspected
 - 329 outfalls
 - 2,723 road culverts





Investigate



2018

- 105 WQ Investigations
- 2 Source ID Studies
 - Swamp Creek
 - Little Bear Creek



Little Bear Creek Targeted Source ID and Elimination Potential Animal and Human Sources

Human Sources

- ▲ Septic System Install 1990 to Present
- ▲ Septic System Install Prior to 1990
- ▲ Septic System Unknown Install Date

Storm / Sewer / Natural Systems

- Septic Repairs 2001-2012
- IDDE Outfalls 2013 - 2018 Permit
- Rivers & Streams
- Little Bear Creek TSIE Sites

Animal Sources

- ★ Beef Cattle
- ★ Dairy Cattle
- ★ Horse
- ★ Llama/Alpaca
- ★ Private Kennel
- ★ Pet care (except veterinary) services
- ★ Support activities for animal production
- ★ Other
- ★ Poultry
- ★ Sheep/Goats
- ★ Swine

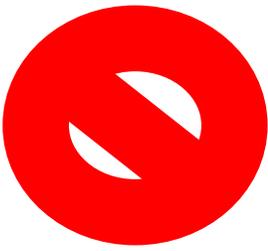
Snohomish County

PUBLIC WORKS

SURFACE WATER MANAGEMENT

(425) 388-3464

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Eliminate



Design & Construction of Water Quality Capital Projects

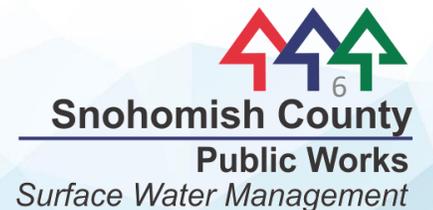
2018

- Constructed
 - 1 LID project
 - 1 stormwater facility retrofit
 - 7 drainage improvement projects
- Removed 7 derelict boats from local waters



Spill Clean-up

Education & Outreach



Stop the Pollution Quick
Don't Make the Water Sick.

Prevent

Stop the Pollution Quick
Don't Make the Water Sick.



Lakewise Property Owner
Outreach



2018

- Inspected 372 business
- Conducted 67 LakeWise or Streamside Landowner site visits
- Held 21 water quality workshops attended by 800 residents
- Planted 92 acres of riparian shoreline



Workshops & Site Visits





Uncertainties

- New NPDES permit August 2019
- Funding



*Stop the Pollution Quick
Don't Make the Water Sick.*

