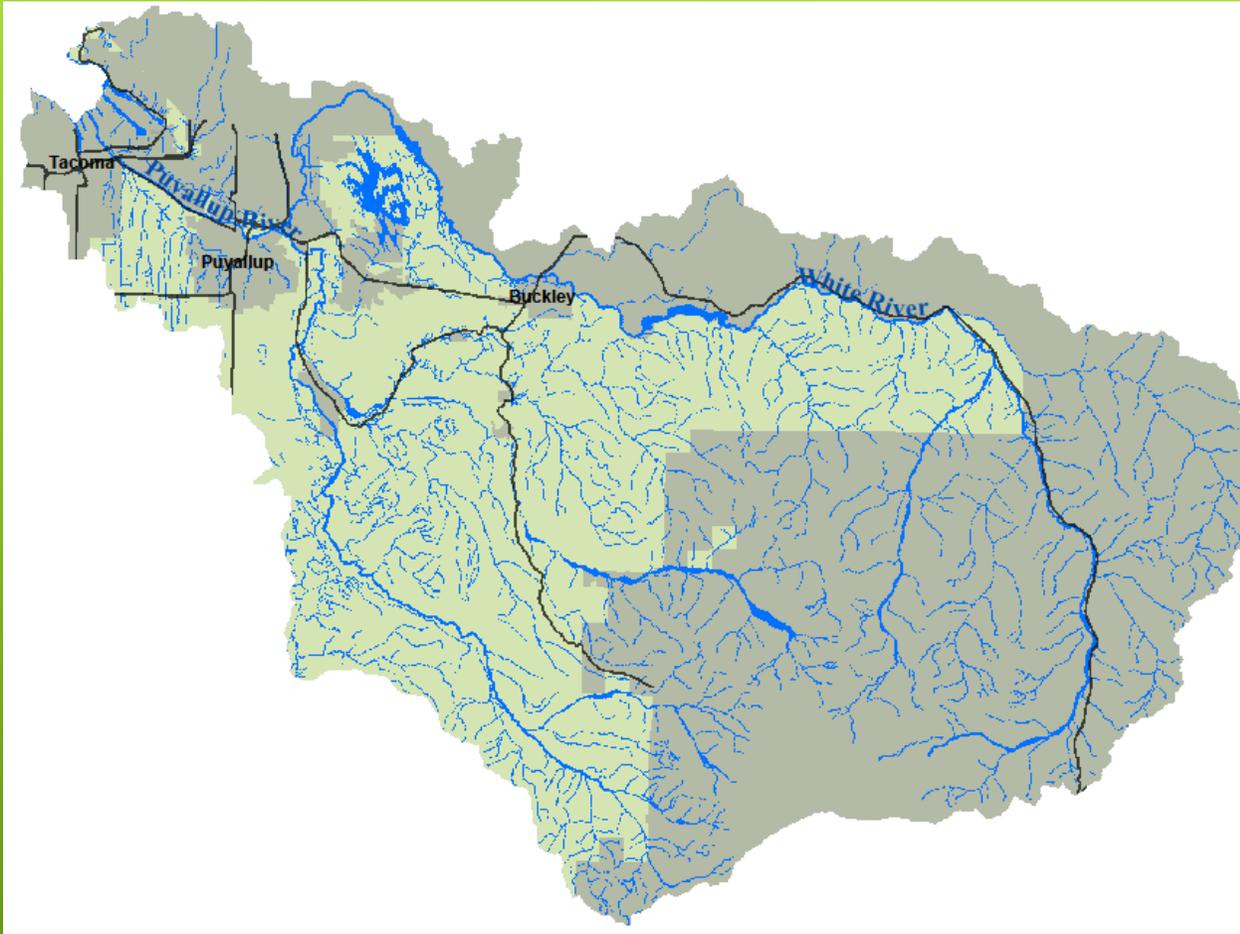


# WQ WORK IN YOUR WATERSHED

What we do everyday to protect and preserve the Puyallup  
River's Water Quality

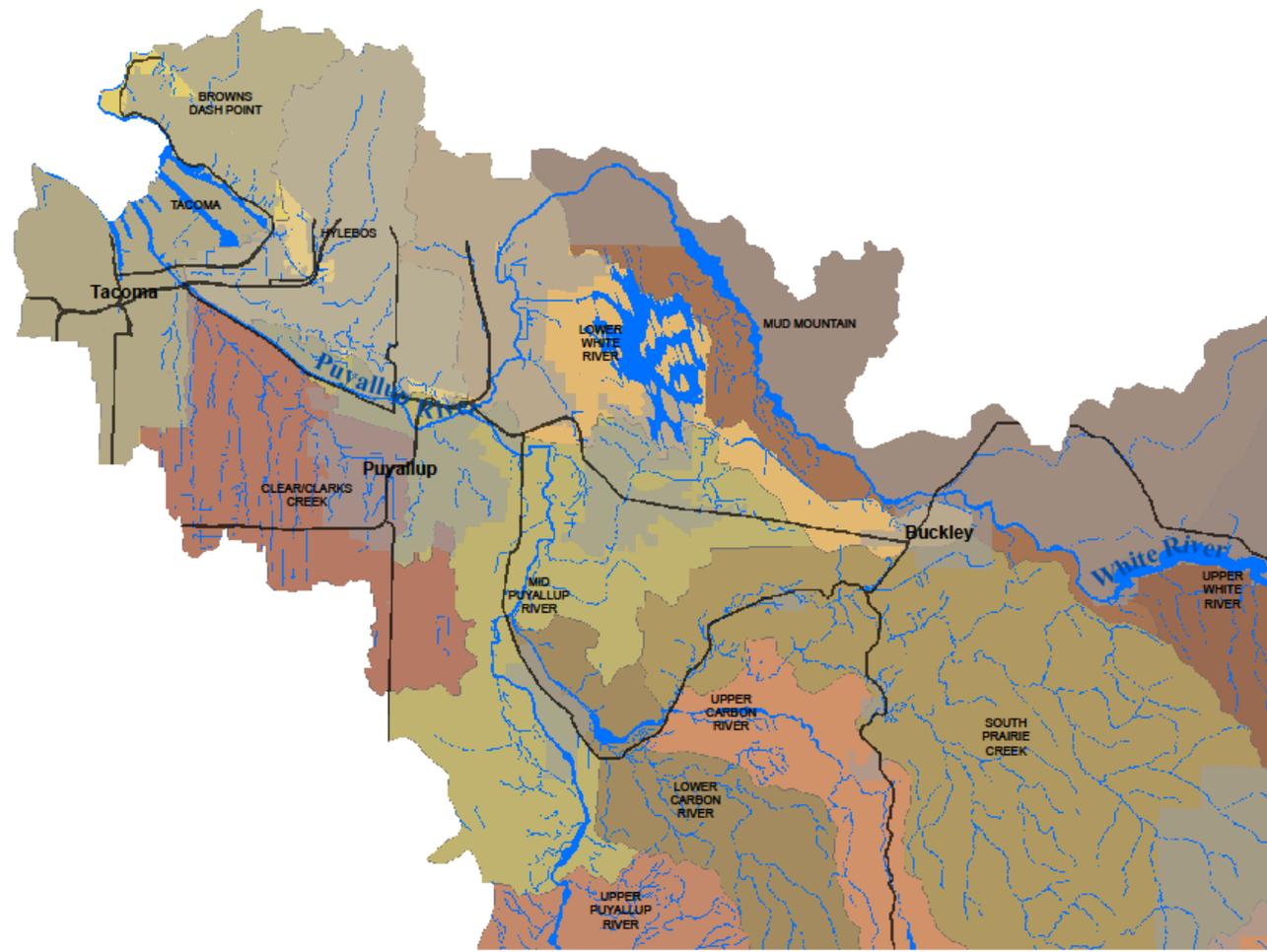
- 
- ▶ Drains 60% of Mt. Rainier
  - ▶ Youngest River in Puget Sound
  - ▶ 670,000 acres of Watershed
  - ▶ ~ 1 person per 1.5 acre,

## PUYALLUP RIVER'S UNIQUE HABITAT



# PIERCE COUNTY'S WATERSHED





# SUB-BASINS OF THE PUYALLUP RIVER

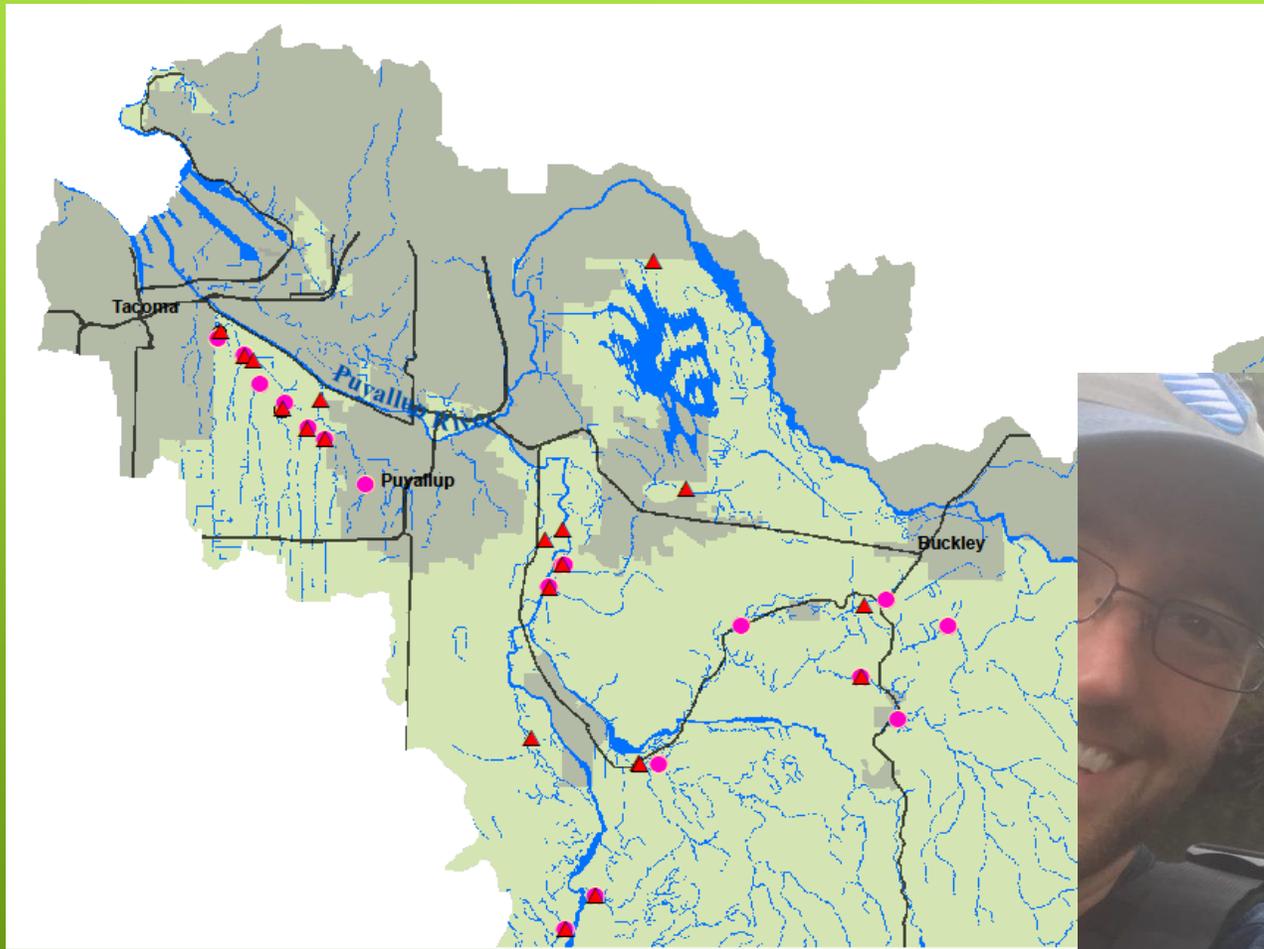


20 streams in the Puyallup basin are sampled monthly.



Assessing long-term changes

## STATUS AND TREND SAMPLING



# STATUS AND TRENDS MONITORING SITES



## Report Card Parameters

- ▶ Fecal coliform
- ▶ Dissolved oxygen concentration
- ▶ pH
- ▶ Total phosphorus
- ▶ Total suspended solids
- ▶ Temperature
- ▶ Total Nitrogen
- ▶ Total Phosphorus

## Other Parameters collected

- ▶ DO% saturation
- ▶ Specific conductivity
- ▶ Turbidity
- ▶ Optical Brighteners
- ▶ Ammonia
- ▶ Nitrates, Total Persulfate Nitrogen
- ▶ Orthophosphate
- ▶ Alkalinity
- ▶ Total Organic Carbon
- ▶ Chloride
- ▶ E. Coli

WATER QUALITY DATA

## Watershed



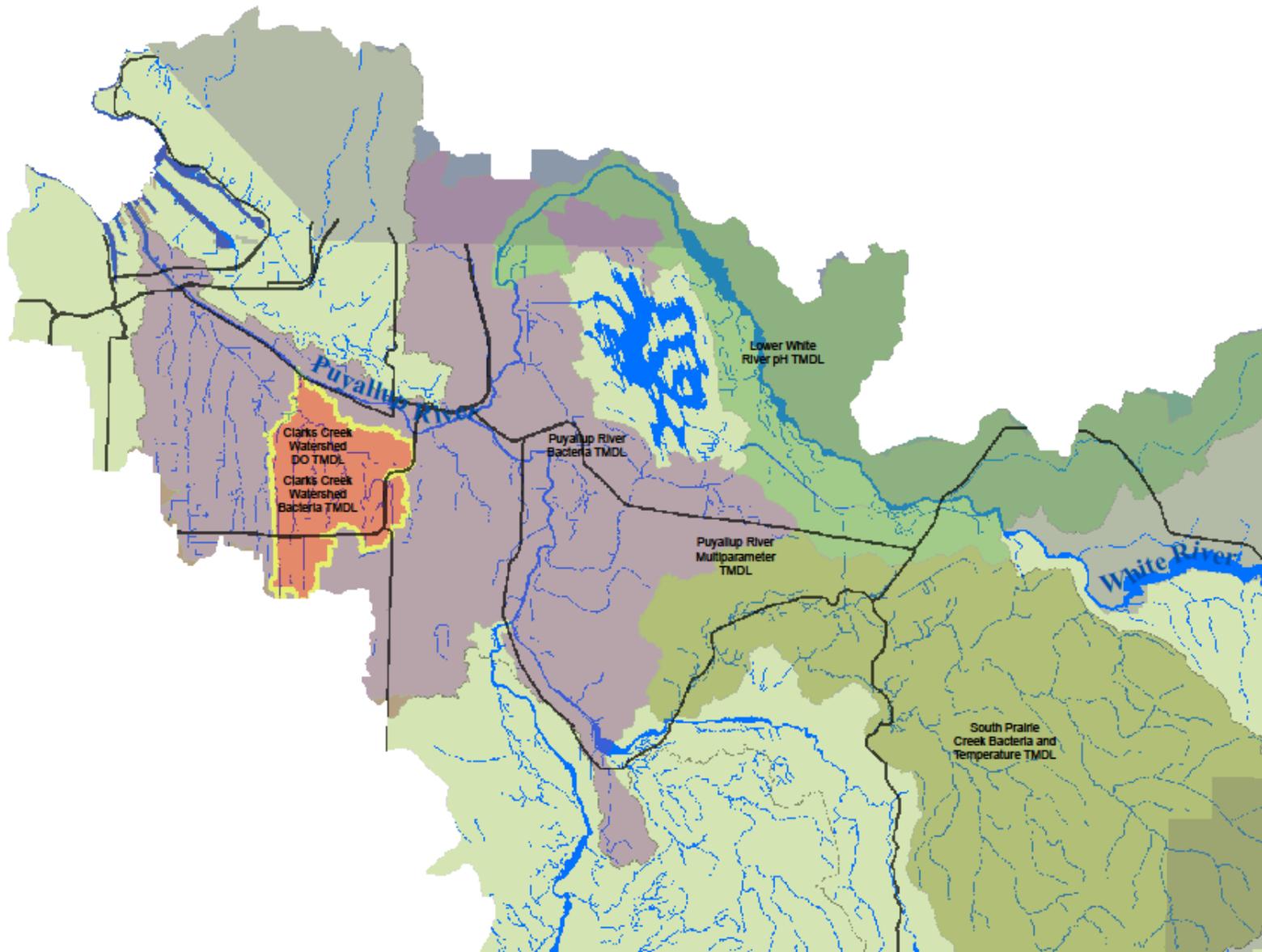
419,660

670,000

The watershed drains 60 percent of Mount Rainier. Water quality in rural areas is impacted by agriculture, forestry and mining. The industrial and urban areas are impacted by runoff and clearing of native vegetation. Pierce County completed a restoration of Ball Creek to improve water

	BIBI	WQI	Average
Ball	24	49	36
Canyon		79	79
Canyon Falls		76	76
Clarks		51	51
Clear	54	60	57
Coplar	85	93	89
Diru	67	77	72
Evans		82	82
Fennel	82	91	87
Fiske		93	93
Horse Haven		58	58
Kapowsin	69	72	70
Riverside Park		16	16
Rody		82	82
Spiketon	50	64	57

# 2018 WATER QUALITY REPORT CARD



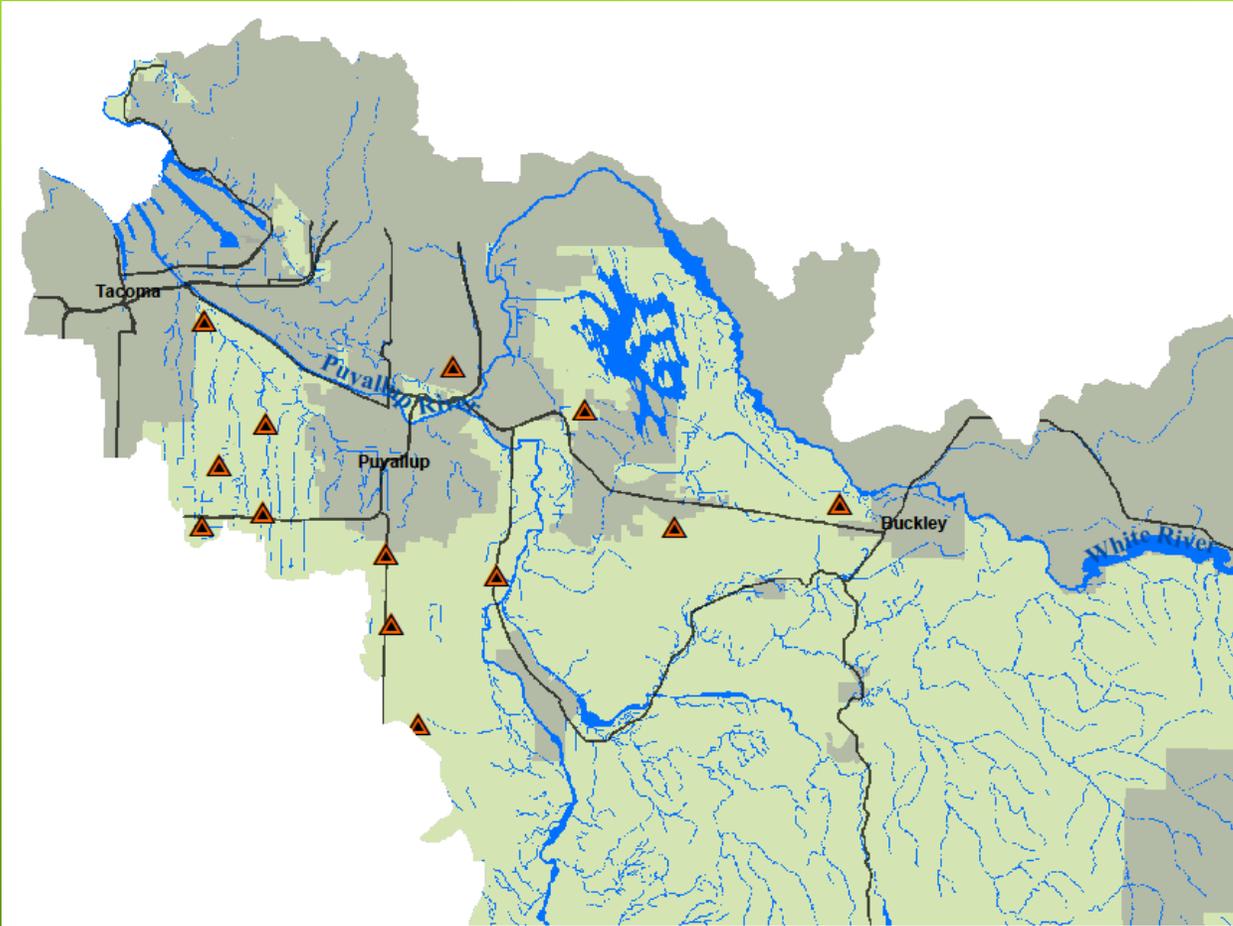
## IMPAIRED SURFACE WATERS IN THE PUYALLUP

- ▶ Total Maximum Daily Loads.

Stopping  
Pollution at  
the source



ILLICIT DISCHARGE SCREENING



Who to call  
(253) 798-4274

# SPILLS AND ILLICIT DISCHARGES 2019

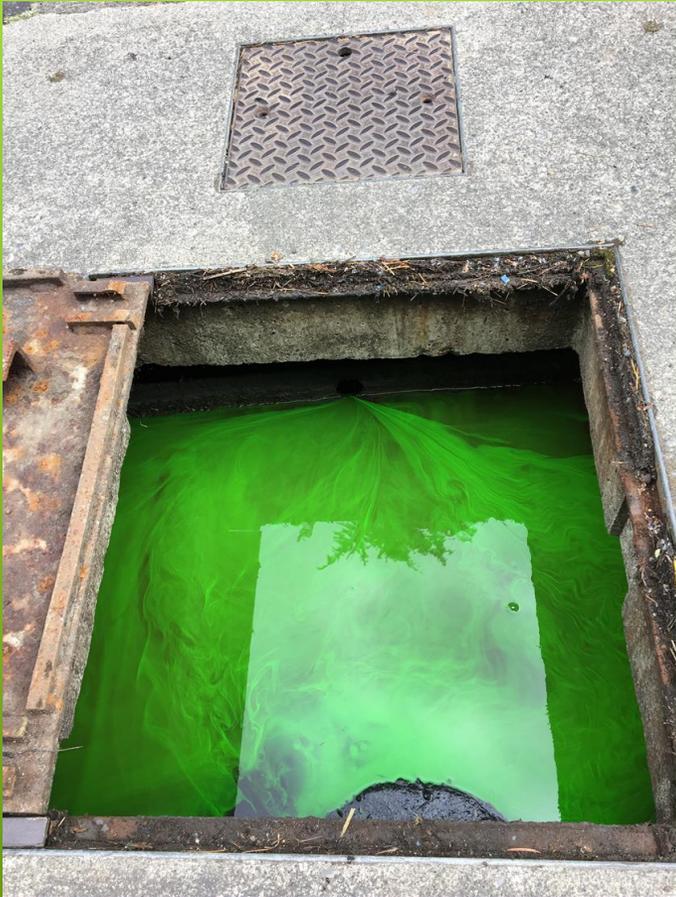


# POLLUTION FROM RESIDENTIAL HOMES

Grant supplied spill kits

# POLLUTION RESPONSE



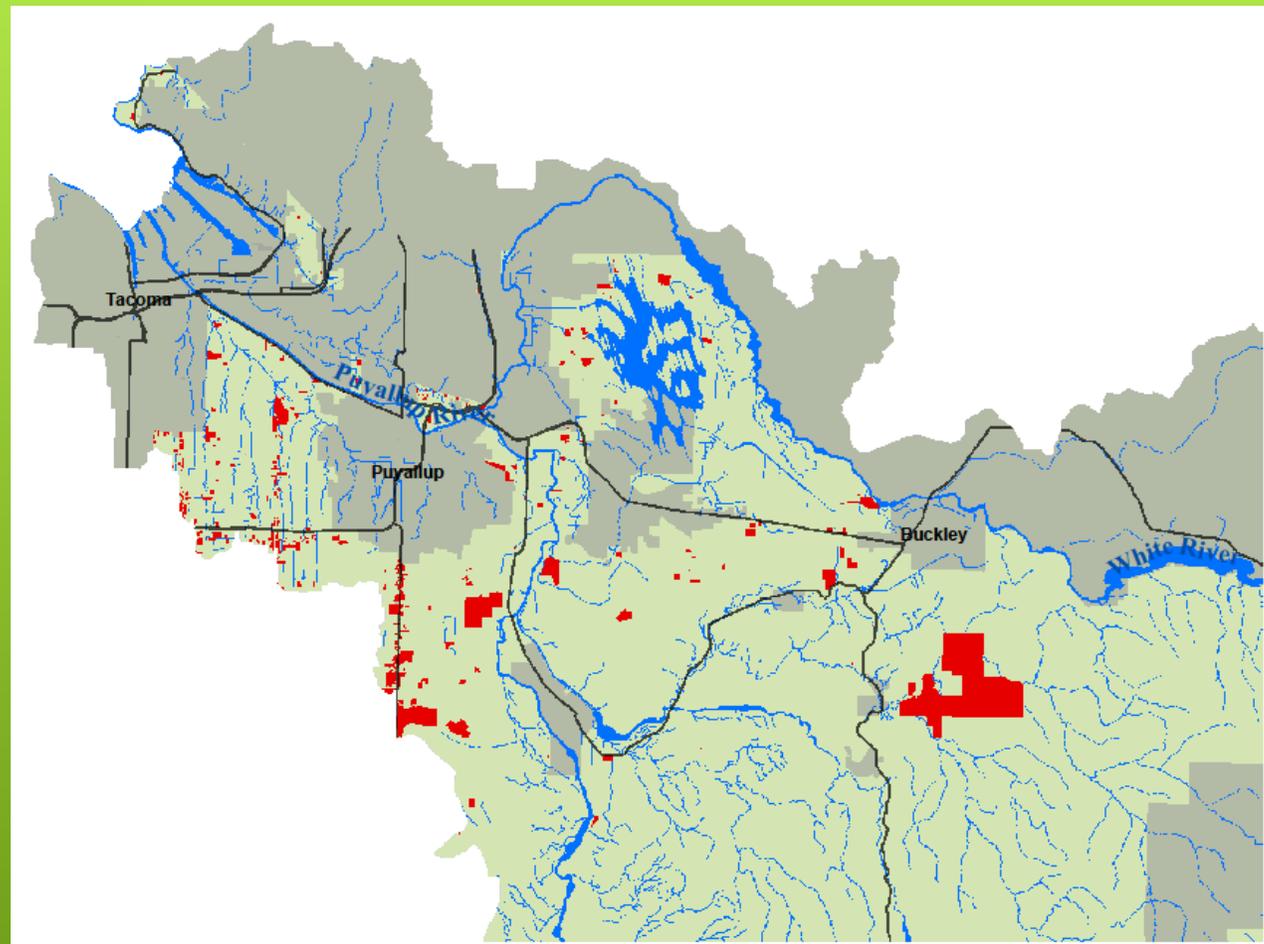


# SPILL RESPONSE



IDDE

► Pollution  
Prevention  
Programs



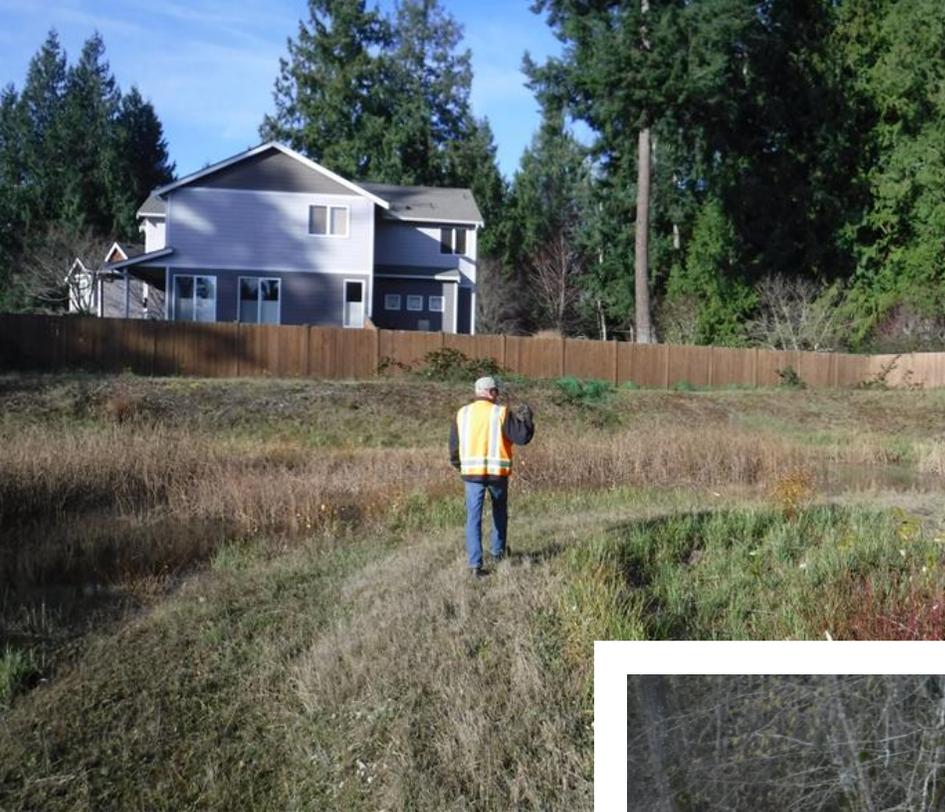
# COMPREHENSIVE INSPECTIONS



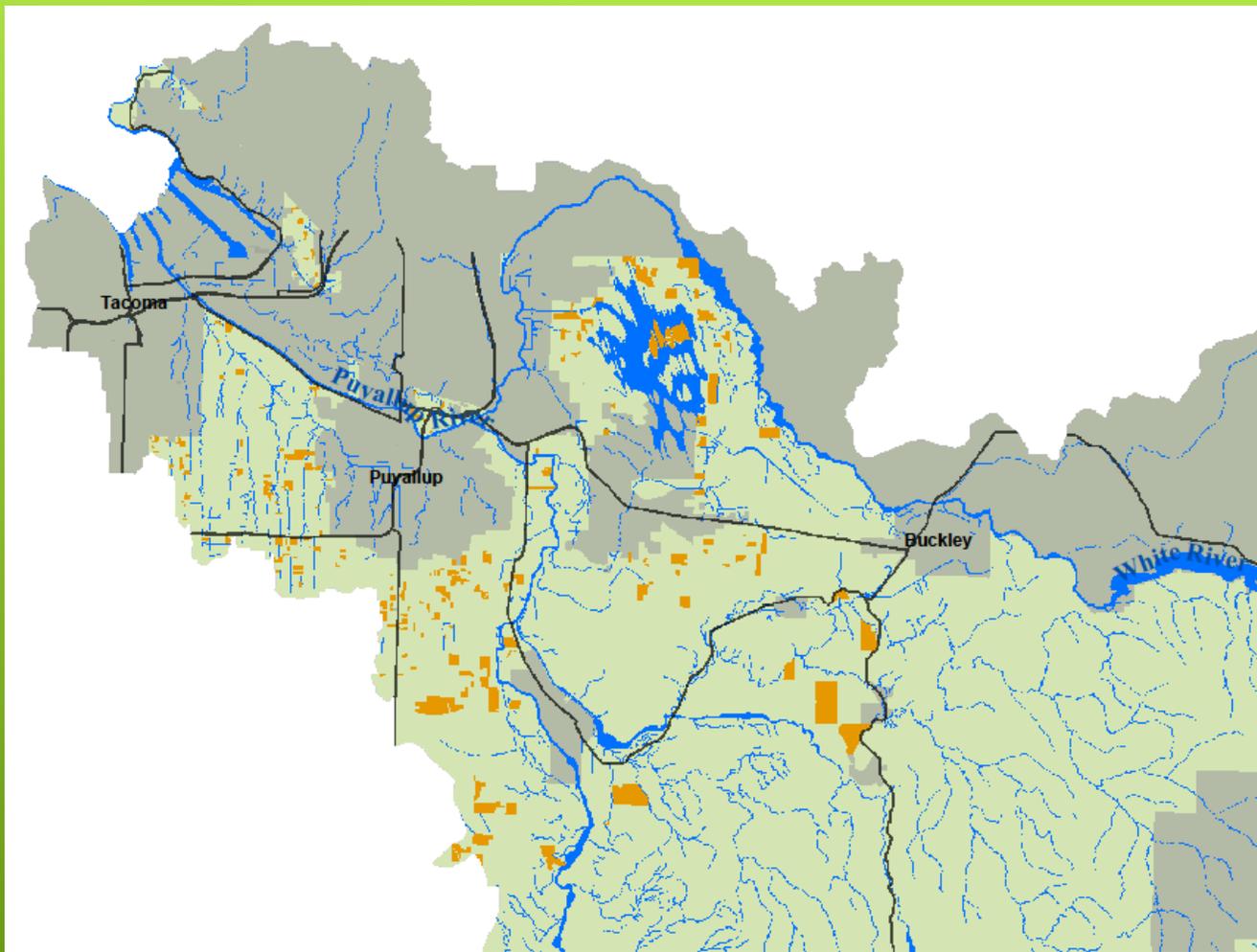
# COMMERCIAL AND INDUSTRIAL INSPECTIONS

# POLLUTION PREVENTION THROUGH THE INSPECTION PROGRAM





# RESIDENTIAL INSPECTIONS



# HOME OWNERS ASSOCIATIONS



RECORD KEEPING FOR  
COMPLIANCE REPORTING  
AND  
FOR ASSESSING THE  
EFFECTIVENESS OF OUR  
OUTREACH

▶ The NPDES program recognizes our partners and supports the work they do with funding.

▶ Conservation District

▶ Tree planting

▶ Rain barrels

▶ Storm drain marking

▶ Health District

▶ Bacteria Source Identification



## PARTNERS FOR WATER QUALITY

- 
- A photograph of a salmon swimming in a stream over rocks. The water is clear, and the rocks are visible beneath the surface. The salmon is in the center of the frame, swimming towards the right. The background is a blurred view of the stream and rocks.
- ▶ Coordinate Efforts with Current Partners.
  - ▶ Provide Environmental Stewardship Education
  - ▶ Developing Innovative Outreach
  - ▶ Build Partnerships

OUR FUTURE