



Western Washington Nonpoint Overview and Project Highlights

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Ecology Nonpoint Unit Supervisors

10/11/2024



Presentation Outline

NWRO Overview

SWRO Overview

Nonpoint Workflows 101

Project Highlights

NWRO - Nonpoint

Supervisor: Jay Fennell

Nonpoint Specialists: 4 FTE (Vacant)

Group 1: Whatcom, San Juan, Island, and Skagit Counties

Group 2: Snohomish, King, Kitsap

Recruitment Goals:

- 1 staff for each group in Nov 2024
- 2 staff for each group in Q1 2025





Back to Basics

- **Grasping the fundamentals**
- **Building Connections, Bridging Silos**
- **Learning from the past**



Looking Ahead

- **Tie-up old work, check-in on complaints**
- **Plug in to focus areas**
- **Potential enforcement**

SWRO - Nonpoint

Supervisor: Gabe Raso

Nonpoint Specialist: 4 FTE

Molly Paige – Key Peninsula, Oakland Bay & Johns Creek, Skokomish Vally & Annas Bay

Emily Davis - Enumclaw Plateau- Boise, Pussyfoot, and Second Creeks (King County), Deschutes River (Thurston County)

Jason Pietroski – East Fork Lewis (Clark County), Lacamas Creek (Clark County)

Vacant

Education and Outreach Specialist: 1 FTE

Chloe Steffes





What are we doing?

Nonpoint workflows: Proactive & Reactive

- Proactive
 - Focal Watersheds - a specific geographic area within a larger watershed system that has been prioritized for targeted interventions and management efforts
- Reactive Work
 - Response to complaints (ERTS)

Proactive Work: Focal Watersheds

- Planning & Strategizing
 - Desktop Evolutions
 - Partner Identification/Collaboration
 - Targeted outreach campaign
- Watershed Evaluation
- Follow-up



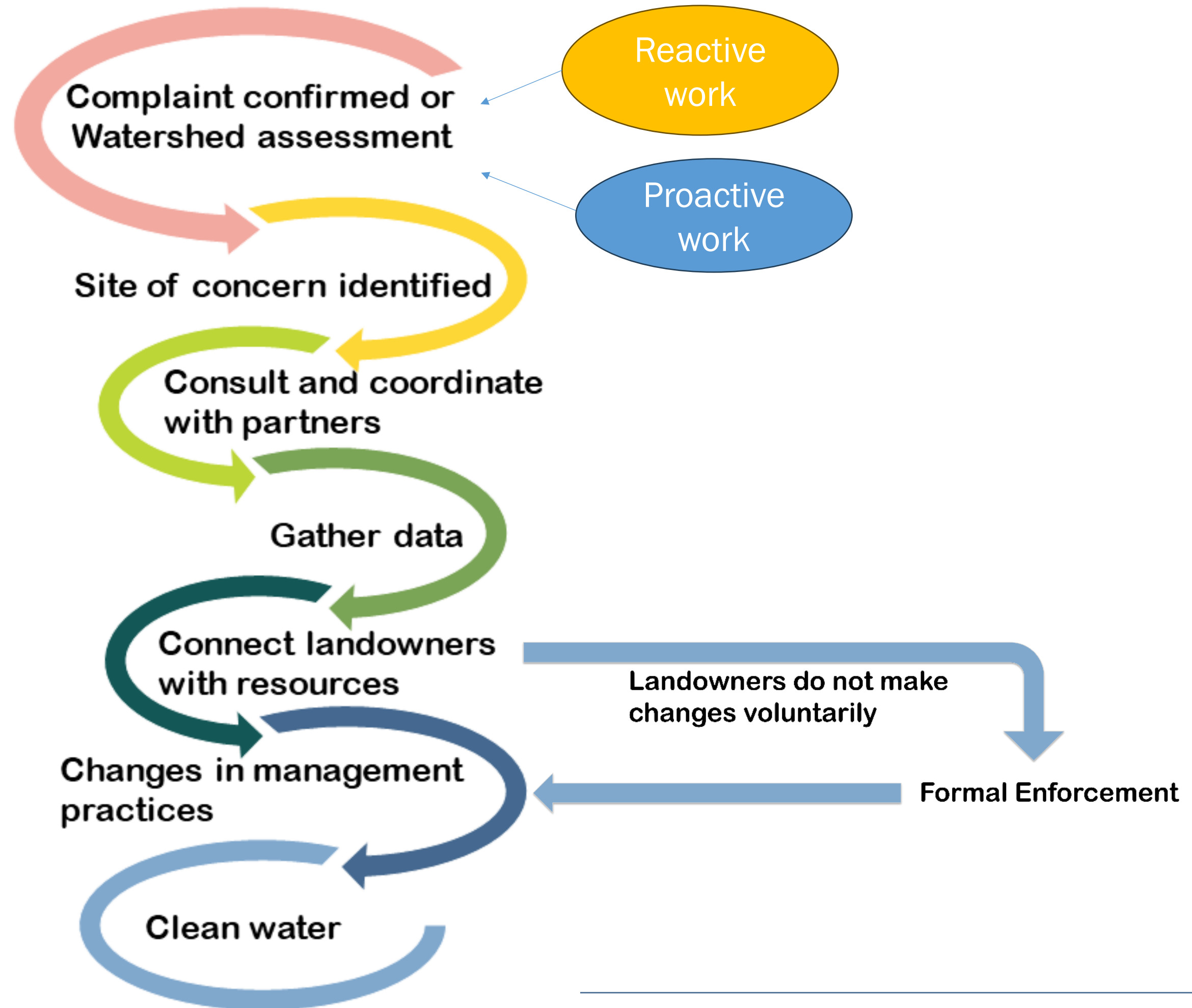
Complaint Response: ERTS (Environmental Report Tracking System)

Common Complaints we Handle

- Livestock with access to waters of the state
- Streamside vegetation disturbances
- Improper Manure application
- Junk cars near bodies of water
- Household garbage dumping
- Pet waste
- Other discharges that not covered under a permit



Nonpoint workflow



Questions?

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Nonpoint Project Highlights

1. Anderson Dairy BMPs
2. King County Community Based Social Marketing Campaign
3. Clallam Conservation District: Technical Assistance and Outreach

Anderson dairy

- **Project Overview**

- **Location:** Lacamas Creek watershed which is listed as impaired for temperature, bacteria, and dissolved oxygen (DO). The watershed spans 67 square miles with mixed land uses (forest, agricultural, residential, industrial).
- **Project goal:** create riparian forests along Lacamas Creek and its tributaries, using vegetated buffers across the 400-acre site, with an estimated 60 acres of riparian areas to be protected and restored through native plantings
- **Budget & Funding Source:** Total Project Estimate: \$1,030,000, \$297,000 secured through ECY Direct Implementation Funding (DIF)





Anderson Dairy: Project Tasks

Conservation planning: Work with landowners to determine BMPs.

Exclusion fencing: Protect riparian areas from livestock.

Site preparation and planting: Native trees and shrubs to restore riparian forest.

Watering facility & Heavy Use Area Protection (HUAP): Support for livestock, preventing contamination.



Anderson Dairy: Environmental Benefits

Provide	Provide shade to reduce water temperatures.
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Increase	Increase dissolved oxygen levels in streams.
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Stabilize	Stabilize streambanks, preventing erosion.
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Reduce	Reduce bacteria by filtering livestock runoff.
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King County - Water and Land Resources Division

Community Based Social Marketing Riparian Restoration Campaign

Total Cost: \$196,058.00

Project Goal: Utilize community-based social marketing (CBSM) to promote voluntary riparian buffer installations on properties in three White River sub-basins:

- Boise Creek, Pussyfoot Creek, Second Creek

Key Activities:

- Identify barriers, motivators, and incentives for landowners.
- Understand why current assistance programs are underutilized.
- Promote riparian restoration practices using CBSM techniques.

Outcome:

- Increase landowner participation in riparian buffer programs to improve water quality and ecosystem health.

Clallam Conservation District

Title: Improving & Protecting Water Quality on Horse & Livestock Operations

Total Cost: \$206,164.71

Project Goal: to provide technical assistance and outreach activities to support the implementation of Best Management Practices (BMPs) to improve surface water quality, with a focus on areas in WRIA 18, particularly the Sequim Bay-Dungeness Watershed.

Key Activities:

- Conduct 80 site visits to assist with BMP implementation.
- Host 18 workshops on topics like manure and pasture management.
- Publish 36 educational articles covering BMPs and water protection.
- Develop farm conservation plans, promote riparian restoration, and alternative stock watering systems.