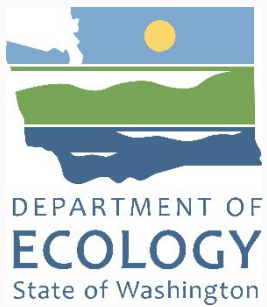


Water Quality Partnership

June 27, 2024



Welcome & Program Updates	Vince McGowan	10:00 – 10:10
Grant and Loan updates	Jeff Nejedly	10:10 – 10:30
General Permit updates	Lucienne Banning Eric Daiber	10:30 – 11:00
Watershed Management Updates	Melissa Gildersleeve	11:00 – 11:35
Roundtable	All	11:35 – 11:55
Wrap up	Colleen Keltz	11:55 – 12:00



Welcome and Updates

Vince McGowan



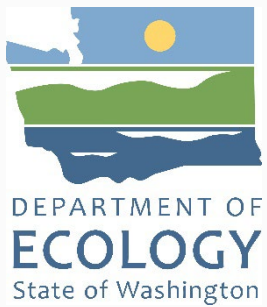
DEPARTMENT OF
ECOLOGY
State of Washington

Grant and Loan Updates

Jeff Nejedly

Grants and Loans links


- [Water quality grants and loans - Washington State Department of Ecology](#)
- [June 28 - Clean water funding - Washington State Department of Ecology](#)



General Permit Update

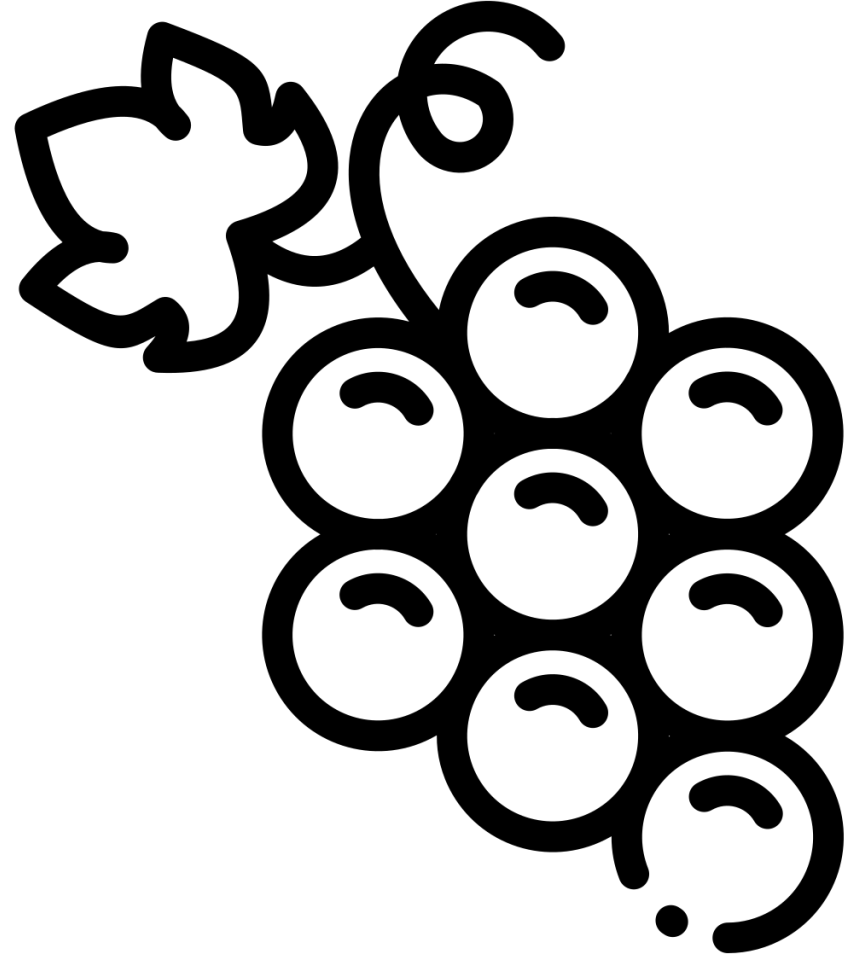
Lucienne Banning

Eric Daiber



Activities Second Quarter 2024

Winery
General Permit



Activities

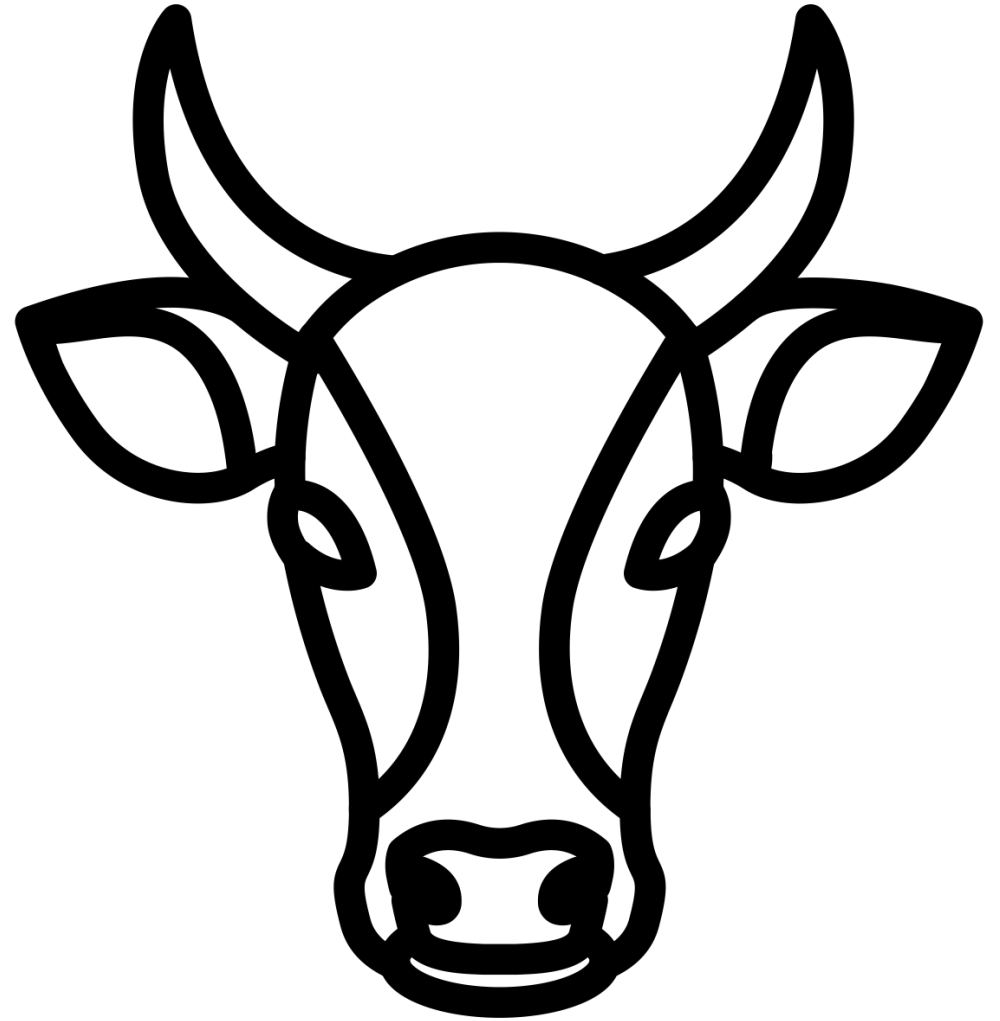
Second Quarter 2024 – Cont'd

- Aquatic Mosquito Control Issuance
- Water Treatment Plant Response to Comments



GENERAL UPDATE

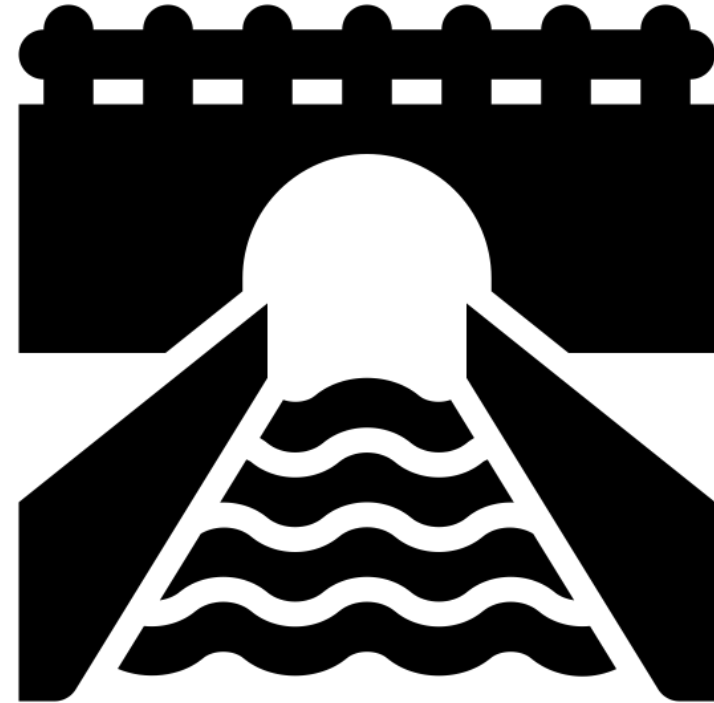
Concentrated
Animal Feeding
Operation (CAFO)
General Permit



Ongoing GP Activities 2024

Irrigation System
Aquatic Weed Control
General Permit

Appeal and
implementation

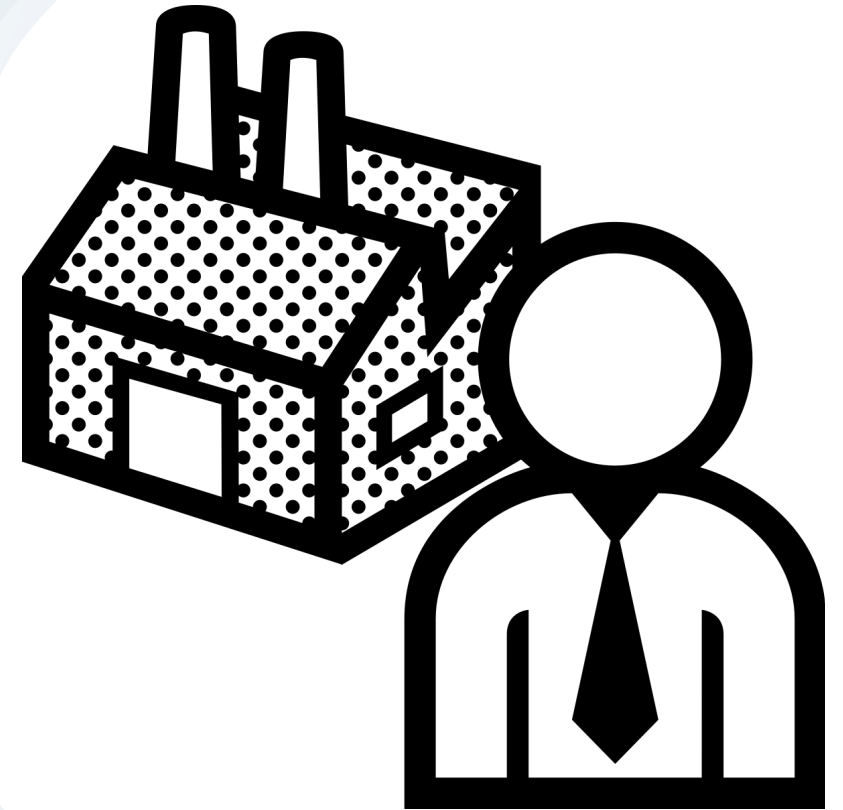


Ongoing GP Activities 2024

Industrial Stormwater General Permit

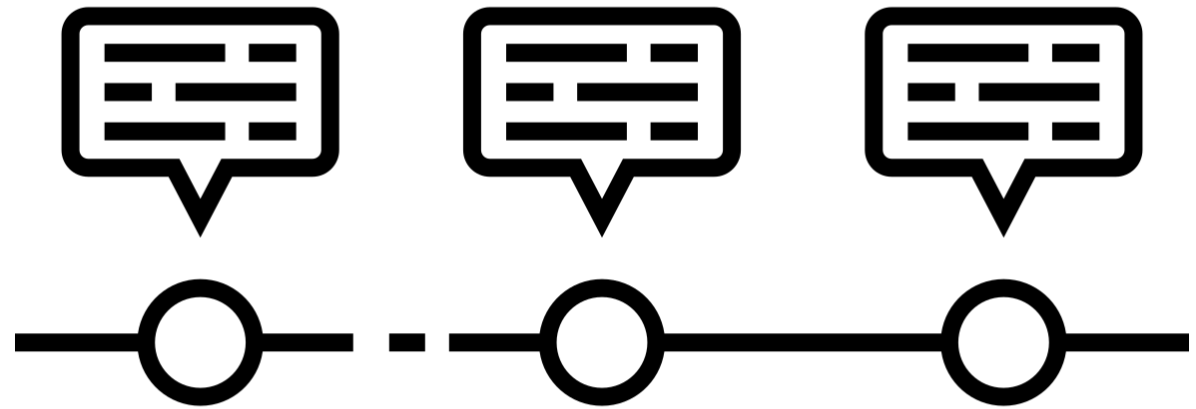
Public Comment Period:
Closes July 15, 11:59 pm

[ecology.wa.gov/industrial
stormwaterpermit](https://ecology.wa.gov/industrial-stormwater-permit)



Ongoing GP Activities 2024 – Cont'd

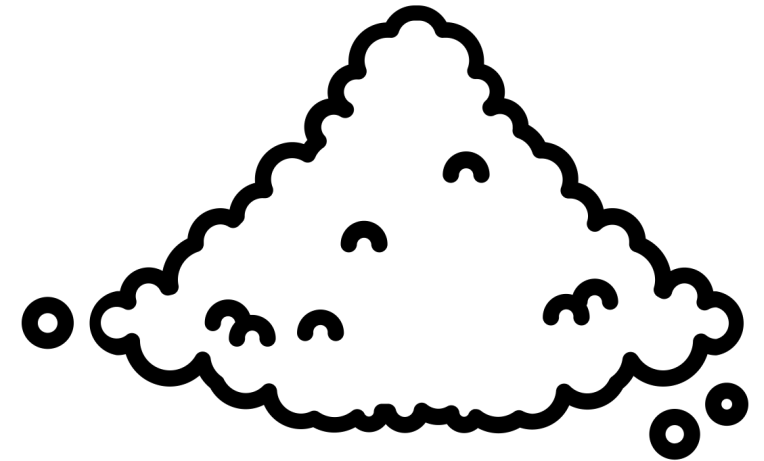
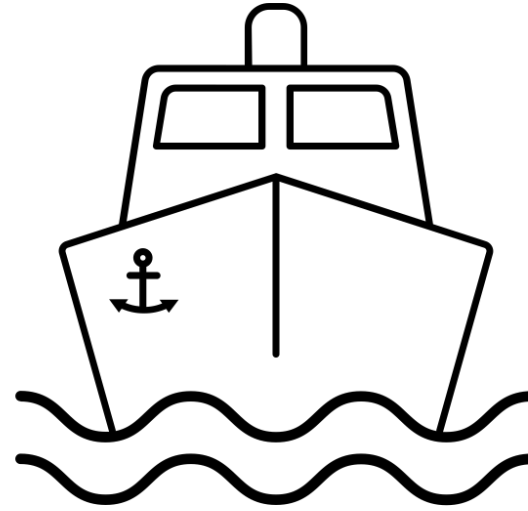
- Noxious Weed
- Municipal Stormwater
- Puget Sound Nutrient



Ongoing GP Activities 2024

Vessel
Deconstruction
General Permit

Sand and Gravel
Study





Sand & Gravel General Permit Concrete Statewide Effluent Characterization

Eric Daiber, Sand & Gravel General Permit Writer
Water Quality Program
Water Quality Partnership 6/27/2024

Overview

- 1** Overview of the Sand & Gravel General Permit
- 2** Environmental Concerns of Concrete Activities
- 3** Ecology's Concrete Effluent Project (Stormwater & Concrete Process Water)

Purpose of the General Permit

- The Sand & Gravel General Permit is an NPDES and a State Waste Discharge permit.
- There are 19 activities in the permit and 6 are concrete related activities.



Environmental Concerns from Concrete

- [Recycled Concrete Aggregate Leachate: A Literature Review \(2022\)](#)
- Identified pollutants of concern released from concrete:
 - pH, metals (As, Ba, Cr, Cu, Hg, Mn, Ni, Pb, Se, Zn), sulfate, total solids
- No Washington State concrete leachate studies performed.

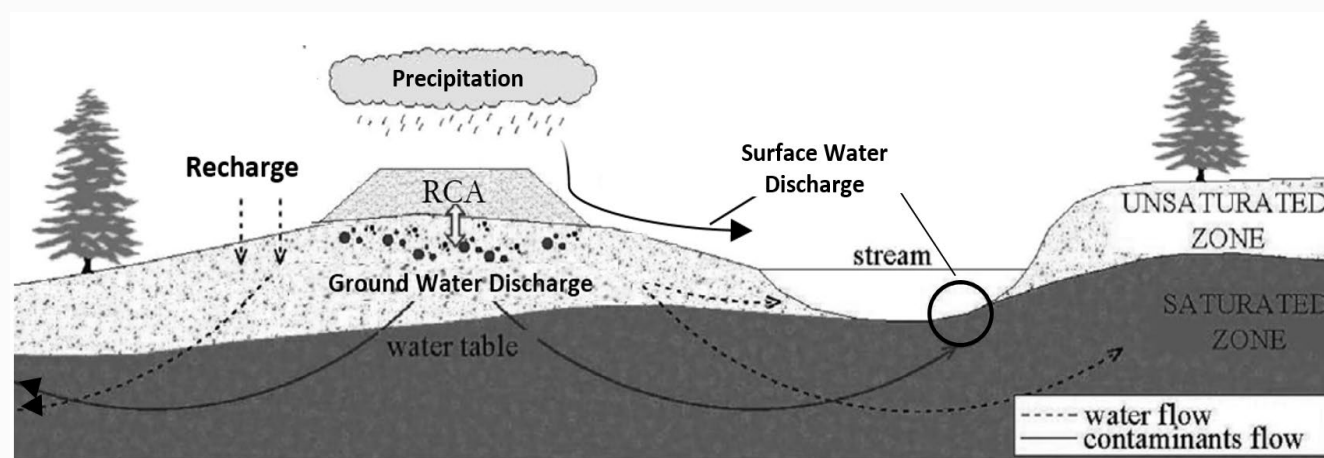
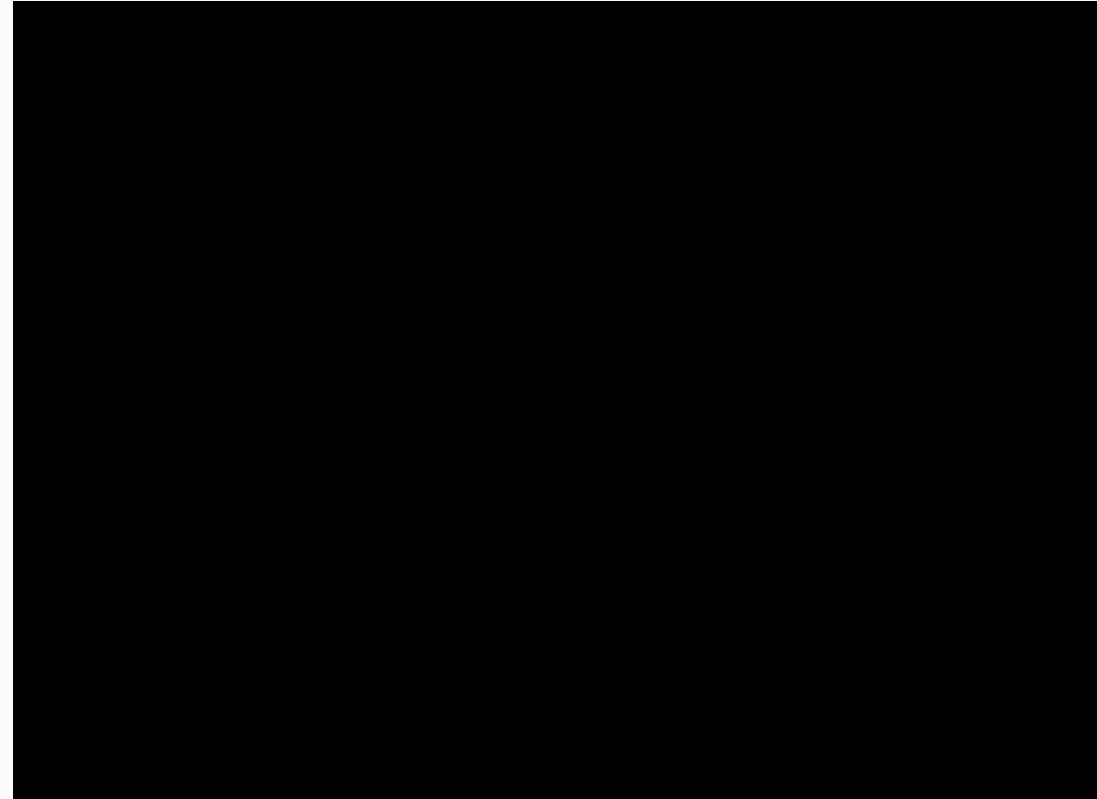


Figure 1: An illustrative field scenario of a recycled concrete aggregate (RCA) stockpile.

Concrete Effluent Characterization Study

- QAPP: Concrete Manufacturing and/or Recycling Statewide Characterization (2024)
- Ecology randomly selected 80 concrete manufacturers and/or recyclers to sample for pollutants.
- Sample twice once in the March 2024 and again in the fall of 2024.



Concrete Effluent Characterization Timeline



Publish Report
2025

Sand & Gravel General
Permit Expires
March 2026

2023

Project Planning Phase

March 2024

First Sampling Event

Later in 2024

Second Sampling Event



Quality Assurance Project Plan

Concrete Manufacturing and/or Recycling:
Statewide Effluent Characterization



February 2024
Publication 24-10-001



SAND AND GRAVEL GENERAL PERMIT

A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

AND

STATE WASTE DISCHARGE GENERAL PERMIT

For Process Water, Stormwater, and Mine Dewatering Water Discharges Associated with Sand and Gravel Operations, Rock Quarries, and Similar Mining Facilities, Including Stockpiles of Mixed Materials, Concrete Batch Operations and Hot Mix Asphalt Operations

State of Washington
Department of Ecology
Olympia, Washington

In compliance with the provisions of
The State of Washington Water Pollution Control Law
Chapter 90.48 Revised Code of Washington
and
The Federal Water Pollution Control Act
(The Clean Water Act)
Title 33 United States Code, Section 1251 et seq.

Until this permit expires, is modified or revoked, Permittees that have properly obtained coverage under this general permit are authorized to discharge in accordance with the special and general conditions which follow.



Vincent McGowan, P.E.
Water Quality Program Manager
Washington State Department of Ecology



First Sampling Event

March 2024

52 of 80 (65%) Facilities Sampled



Concrete Stormwater vs. Process Water



Stormwater on Site



Treatment System for Process/Stormwater



- Stormwater
 - Type 3

Eastern
Regional Office



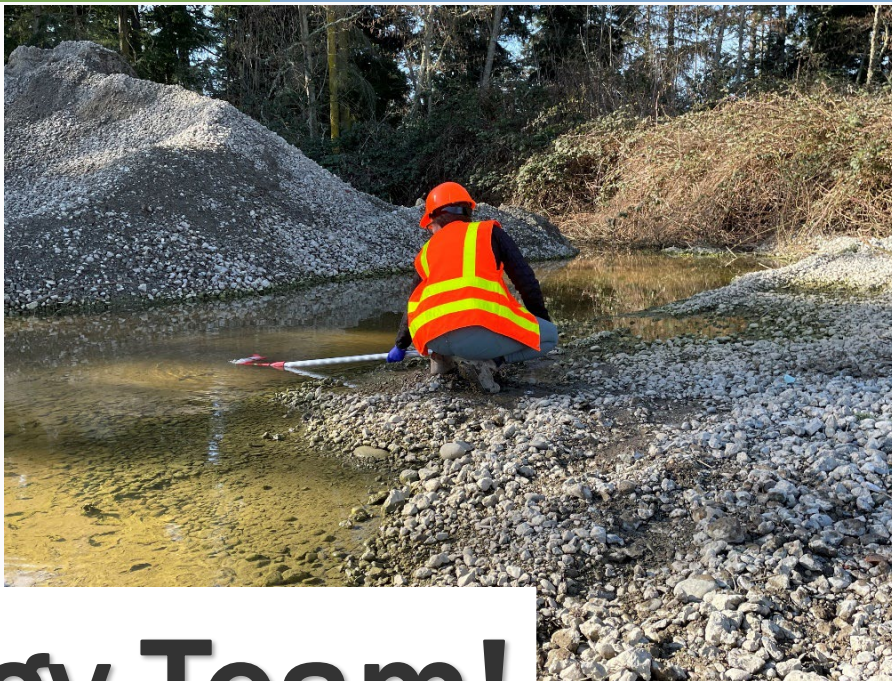
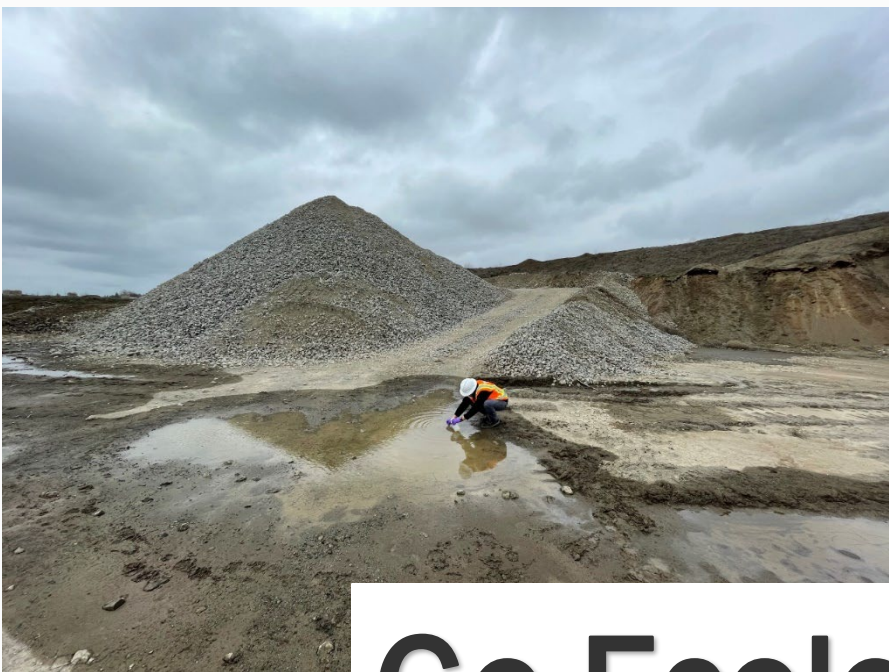
- Treated Concrete Process Water

Northwest
Regional Office

- Commingled
 - Stormwater Type 3
 - Treated Concrete Process Water

Southwest and
Northwest
Regional Office





Go Ecology Team!



And the Industry!

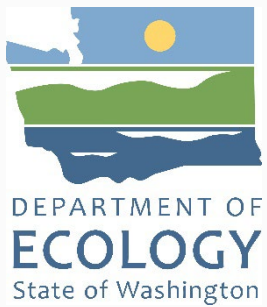


Questions?

- Results incoming...



Eric Daiber – Eric.Daiber@ecy.wa.gov



Watershed Management Update

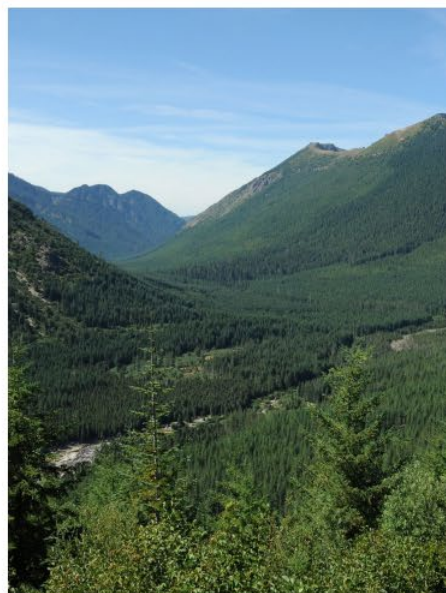
Melissa Gildersleeve

Water Quality Standards rules

- Chelan UAA – waiting federal action
- Salmon Spawning – waiting federal action
- Outstanding Resource Waters – approval from EPA on March 8, 2024



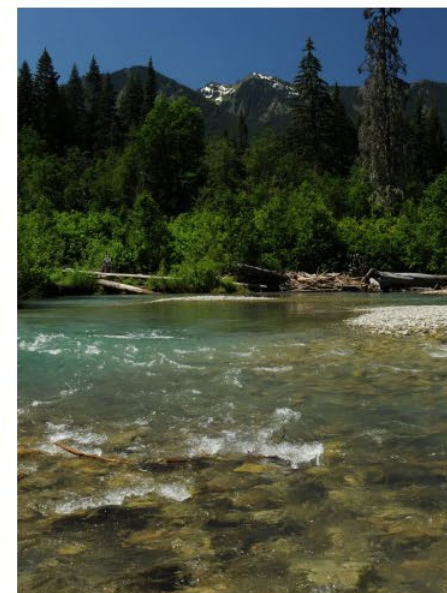
Soap Lake



Green River



Cascade River



Napeequa River

Water Quality Standards Updates

Aquatic Life Toxics Criteria

- 50 comment letters with over 300 individual comments
- Going through the comments
 - Making changes and update
 - Responding to the comments and updating the package

Natural Conditions Provisions

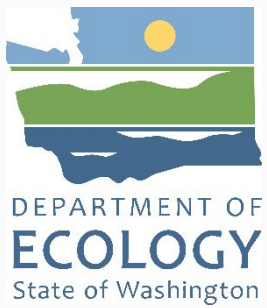
- Draft rule package out for public review until July 12, 2024
- Public Hearings

June 27 – 1:30 pm

July 2 – 5:30 pm

Triennial Review

- This Fall--2024



Roundtable



Wrap up

Colleen Keltz



Next meeting date

Sept 19



Thank you