



# Eatonville Landfill

## Public Meeting and Open House



- 5:00 - 6:00 PM Open House
- 6:15 - 6:45 PM Presentation
- 6:45 - 7:30 PM Q&A

December 4, 2024





# Eatonville Landfill

## Cleanup Action Plan Public Comment Period

**Marian Abbett, P.E.**

**Connie Groven, P.E.**

**Carolyn Subramaniam**

**Sam Meng, Ph.D. P.E.**

**Section Manager, TCP-SWRO**

**Unit Supervisor**

**Public Involvement Coordinator**

**Site Manager**







November 14<sup>th</sup> 8:00 AM  
-  
December 18<sup>th</sup> 11:59 PM

## **We are accepting comments on:**

- Eatonville Landfill Consent Decree
  - Exhibit A: Site Location Diagram
  - Exhibit B: Draft Cleanup Action Plan
  - Exhibit C: Schedule of Deliverables
- Remedial Investigation and Feasibility Study
- State Environmental Policy Act Determination of Non-Significance





# Comment Response

- We will review and respond to all comments that we receive during the comment period
- If needed, we will update documents







1

## **Model Toxics Control Act**

Our cleanup process

2

## **Background Information**

Location and conditions at Eatonville Landfill

3

## **Timeline**

Past, present, and future!

4

## **Audience Questions**

Open Q&A until the end of the meeting

5

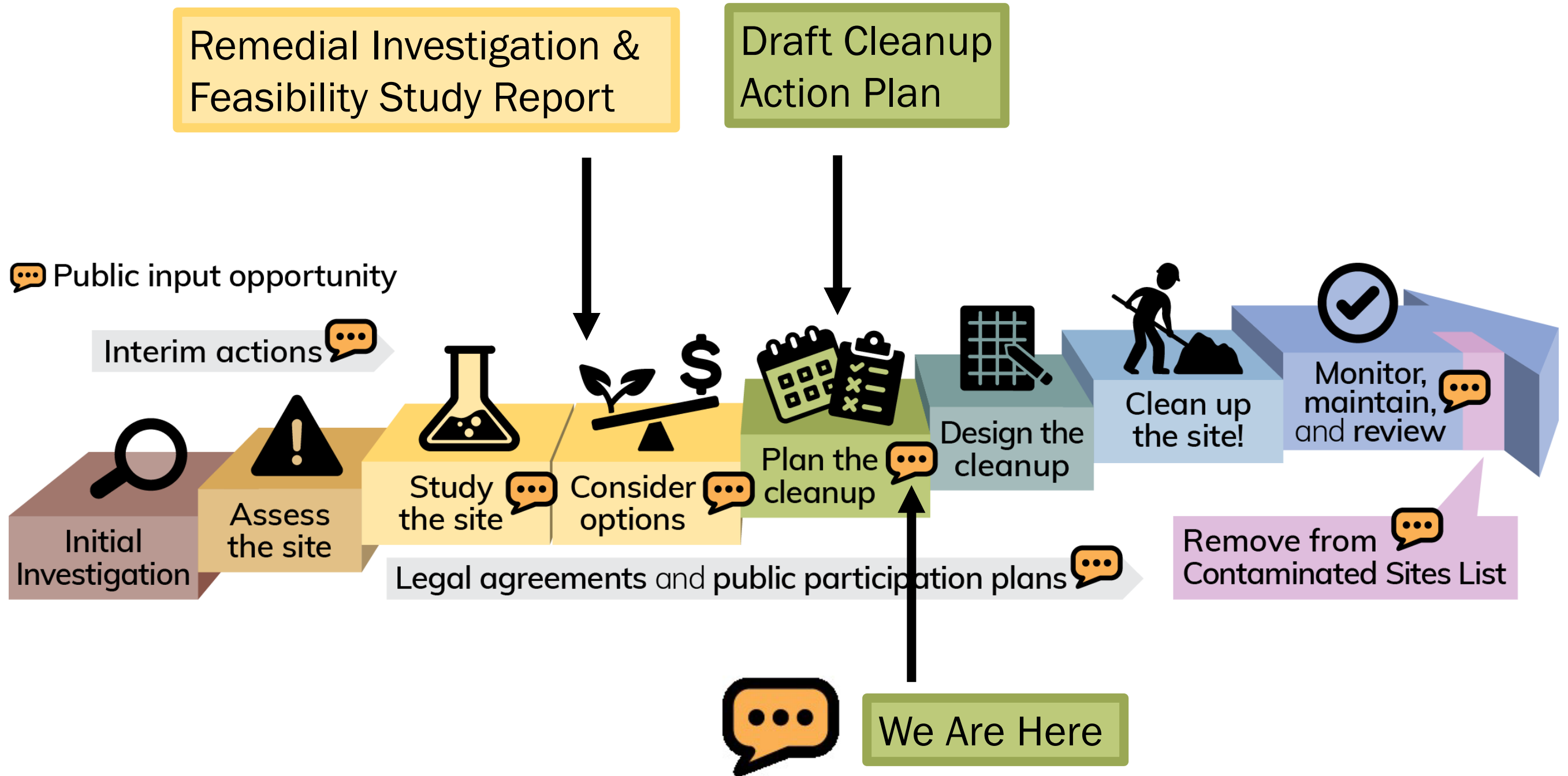
## **Option to submit comments**

We have paper and computers for you to use

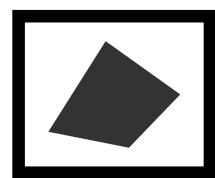
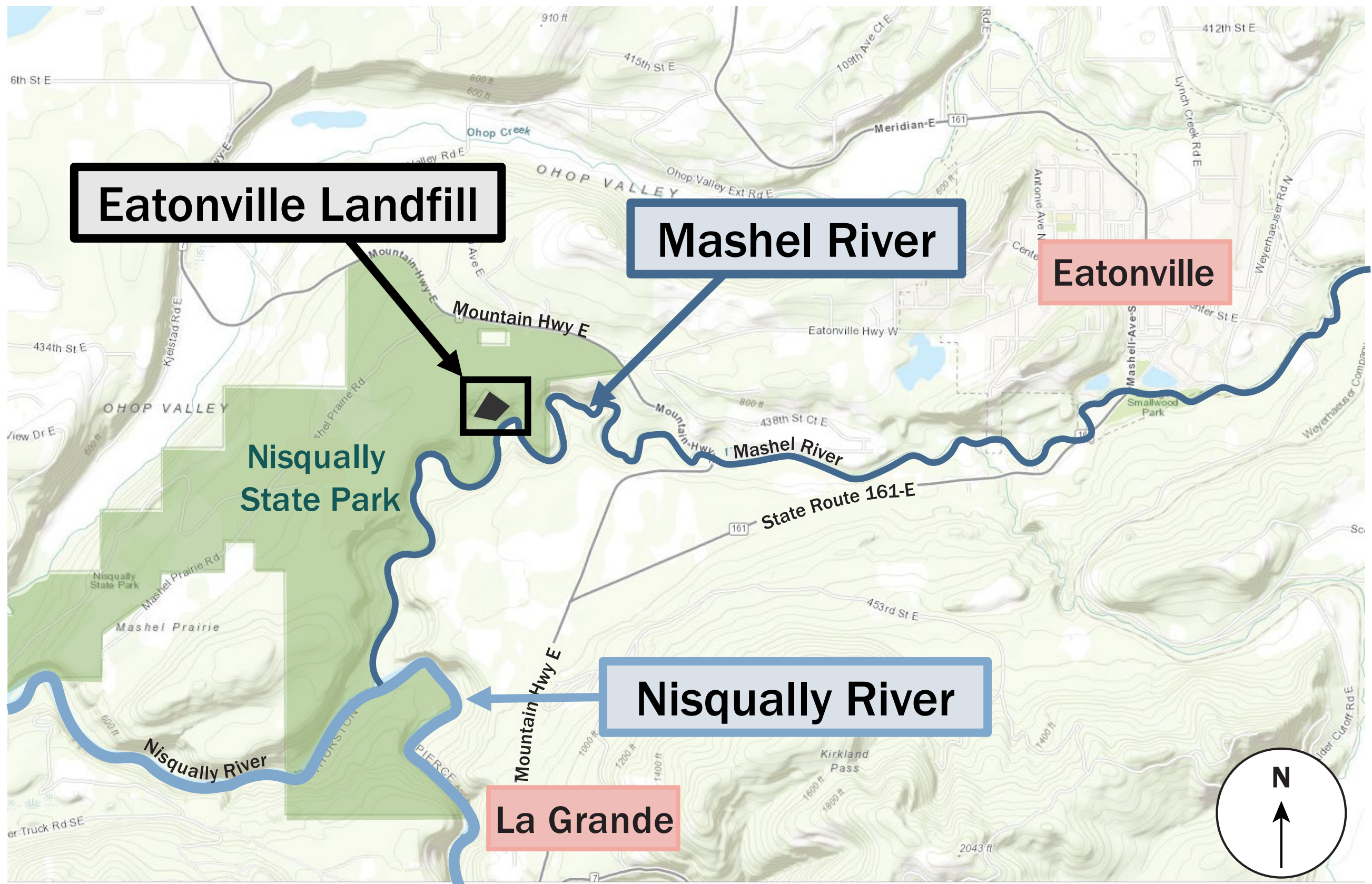




# Model Toxics Control Act

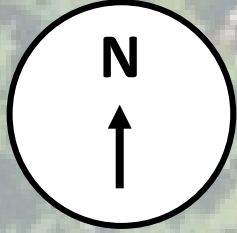






Approximate location of Eatonville Landfill.  
 Shape within represents the parcel size.





**Parcel boundary**

**Mashel  
Prairie  
Road**

**Access Road**

**Mountain  
Hwy E**



**Site boundary**



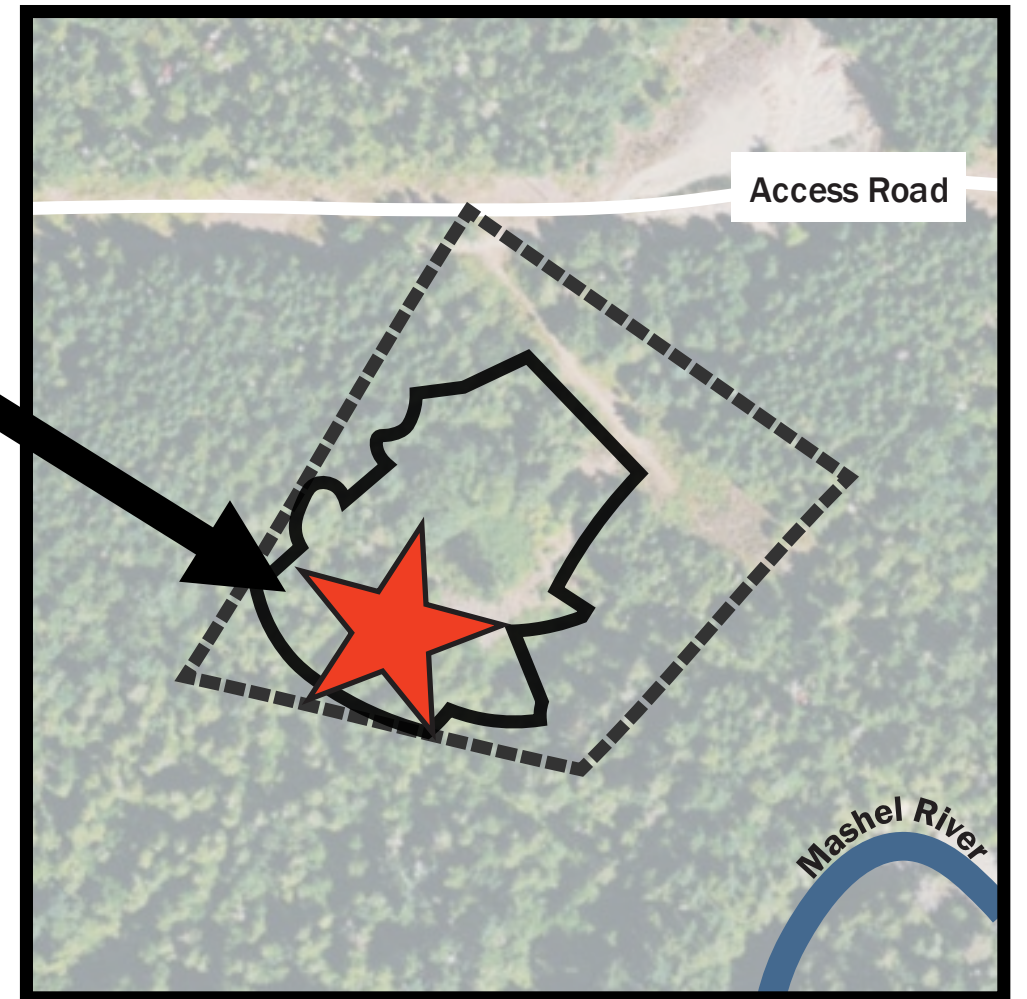


**The landfill is on a steep slope.**



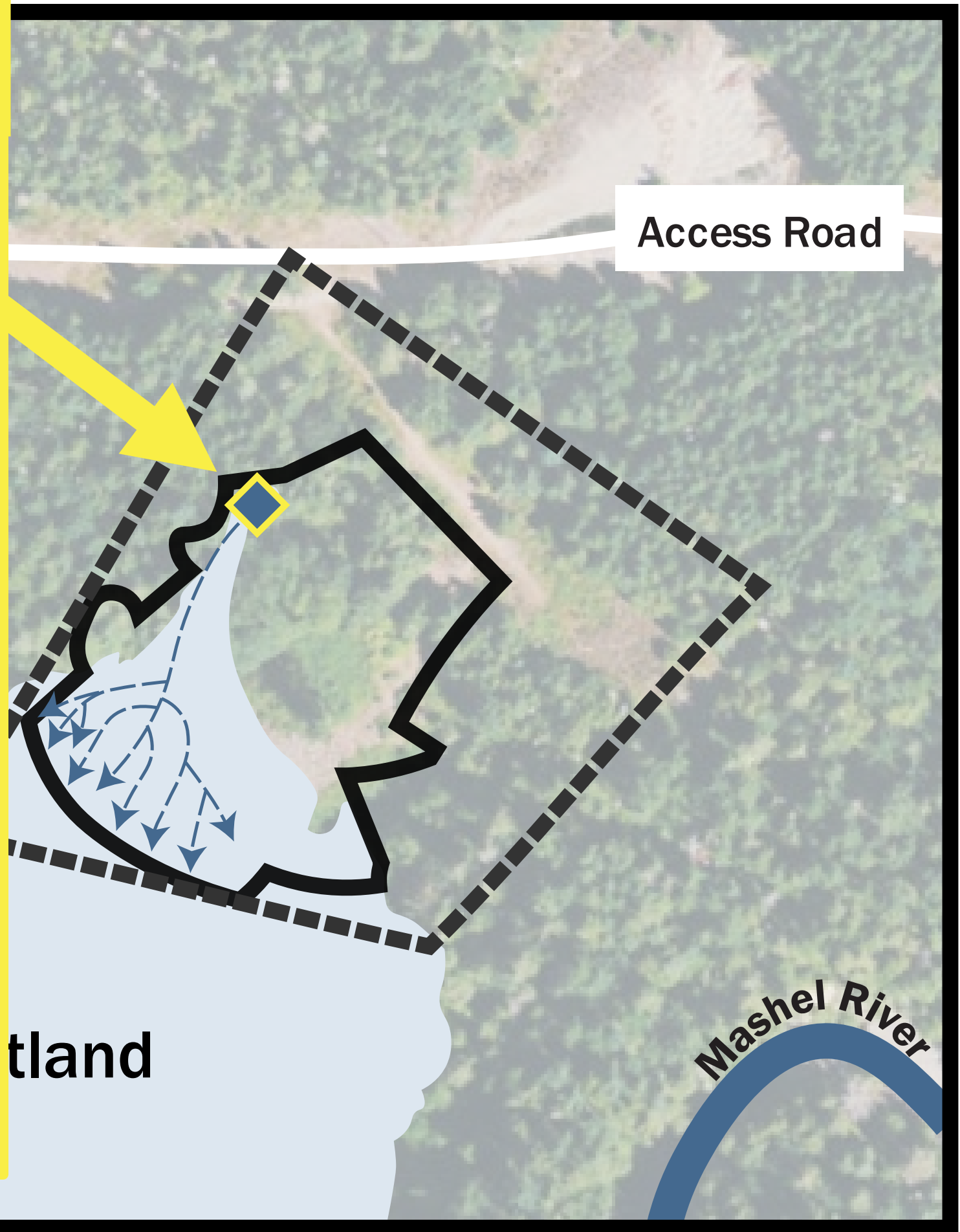


There is a wetland at the base of the slope.





# Spring

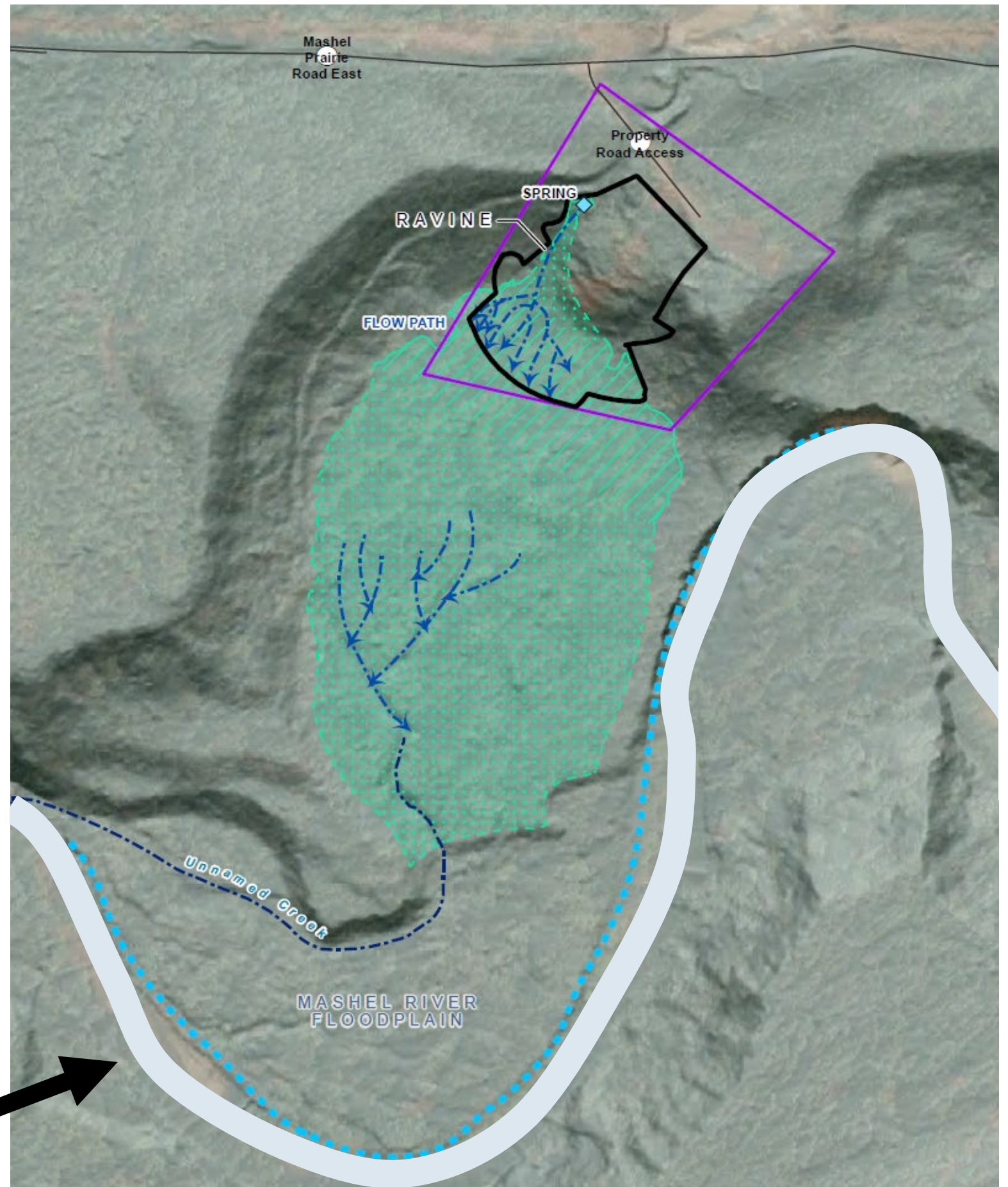




# Water flows from the wetland into the Mashel River.

## LEGEND

- ◆ Spring
- Estimated Ordinary High Water Line
- Wetland
- Inferred Wetland
- Property (Tax Parcel No. 0416201007)
- Site
- All Other Features**
- State Park Road Limited Access
- Flow Path
- Mashel River



Mashel River





# History

**1950**  
-  
**1980**

## Landfill Activities

Operated by: Town of Eatonville  
Owned by: Weyerhaeuser



Household waste

Car parts and tires

Appliances

And more





# History

**1950**

-

**1980**

## Landfill Activities

Unpermitted dumping  
Recreational shooting





# History

**1950**  
-  
**1980**

## Landfill Activities

← Unpermitted dumping  
Recreational shooting

**1996**  
-  
**2021**

## Previous Investigations

At the landfill

Near landfill: PBDEs in the  
Nisqually River System





# History

**1950**  
-  
**1980**

## Landfill Activities

← Unpermitted dumping  
Recreational shooting

**1996**  
-  
**2013**

## Previous Investigations

**2021**

## Agreed Order

2021 public comment period

- Agreed Order
- Public Participation Plan





# History

**2021**  
-  
**2022**

## Remedial investigation

Collected and analyzed data



What types of contaminants are at the site?

Where are the contaminants?

How could people or wildlife be exposed to the contaminants?







**Empty Drum**  
Metals?  
Solvents?

**Cars**  
Metals?  
Gasoline or diesel?

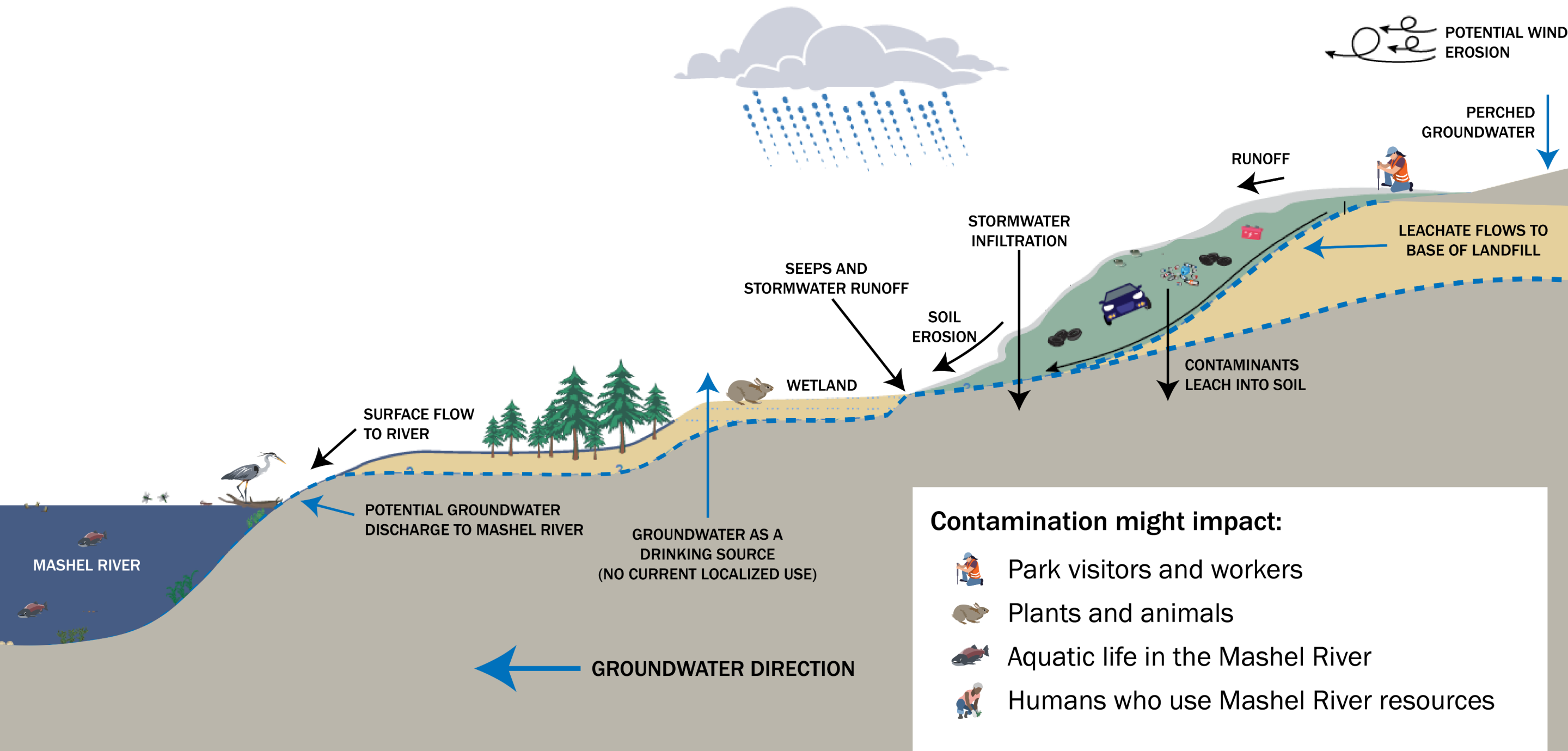
**Textiles**  
PBDEs?



**Decision: Test for 200+ contaminants**



# We decided to sample surface water, groundwater, and soil.





# Surface Water Sampling



Spring

Puddles



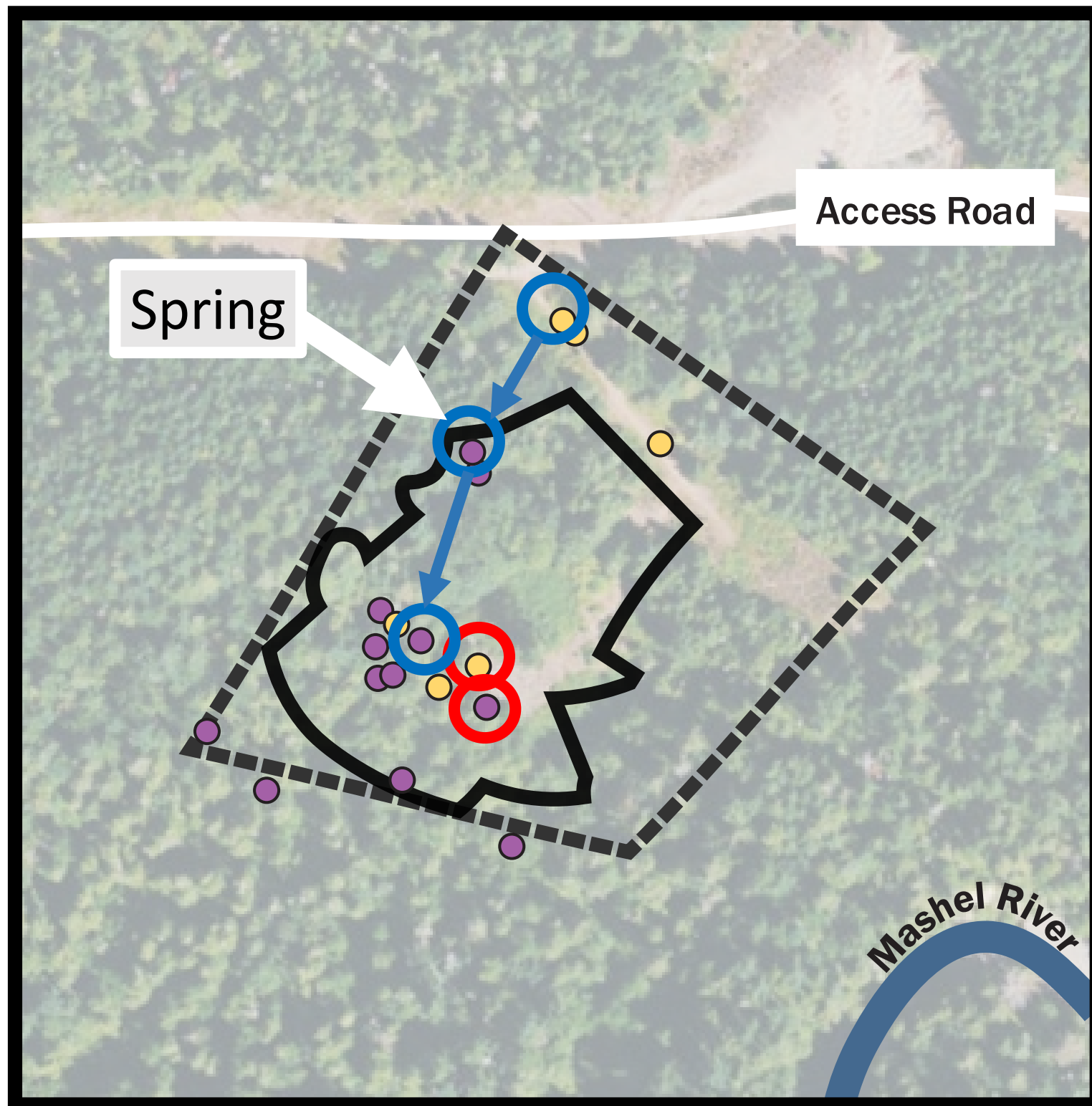


# Groundwater Wells





# Surface Water and Groundwater



-  Surface Water
-  Groundwater
-  Zinc
-  Chromium-6

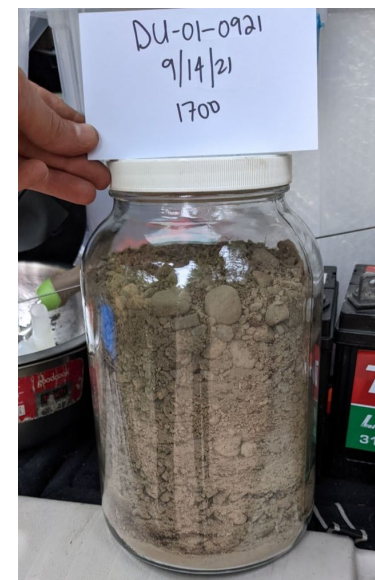
**Chromium-6 is not coming from the landfill:**

- Found in water before it reaches the landfill area
- The level lowers after passing the landfill



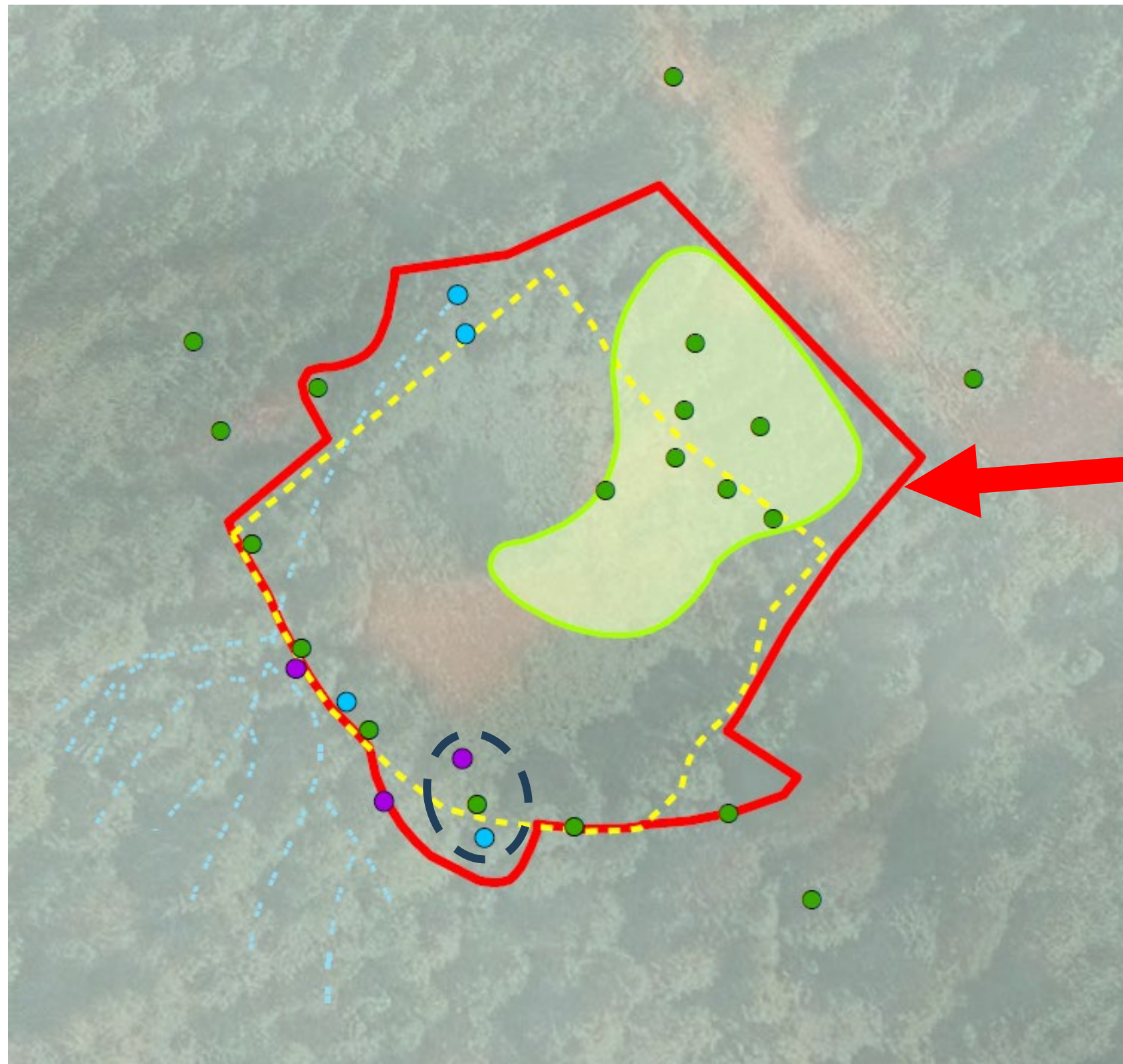


# Sampling Soil on the Slope





# Landfill soil is heavily contaminated.



- Surface soil sample area
- Soil sample location
- Surface water sample location
- Groundwater sample location

## Actions Needed

### Exceedances:

- Metals
- Semi Volatile Organic Compounds
- Gasoline, diesel, oil





# Soil samples were collected with hand tools in the wetland.





# We studied plants and wildlife in the wetland.

Ground  
cover



Earthworms in test pit

Root test pit



# Wildlife Camera Photos





# Wildlife Camera Photos



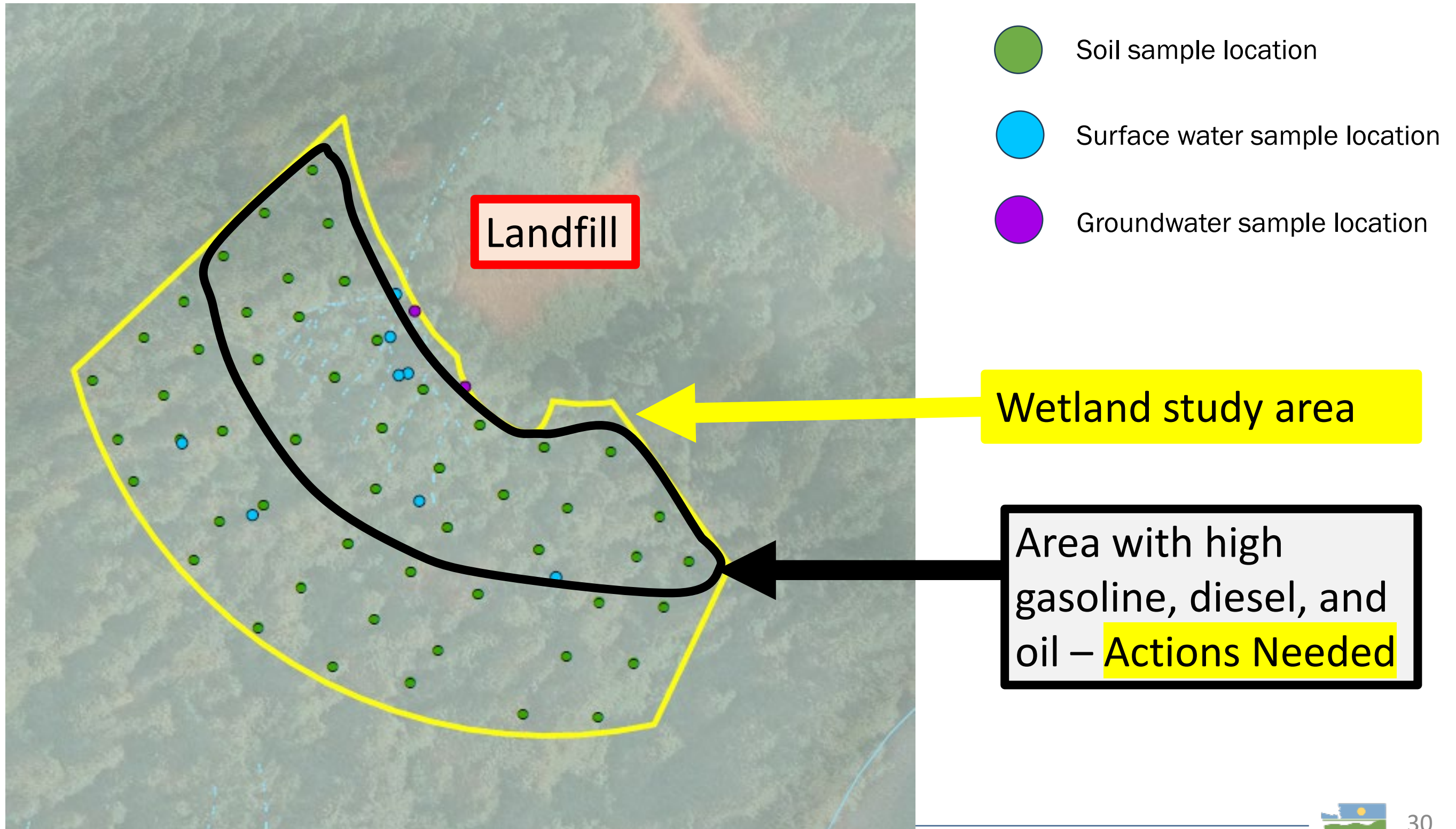


# Wildlife Camera Photos





# Some of the wetland soil has high gasoline, diesel, and oil levels.





# Recent Work

**2021**  
-  
**2022**

## Remedial Investigation

Collect and analyze data

**2022**  
-  
**2024**

## Prepare Cleanup Documents

These documents are now available for public comment!

Compare options

Draft Cleanup Action Plan

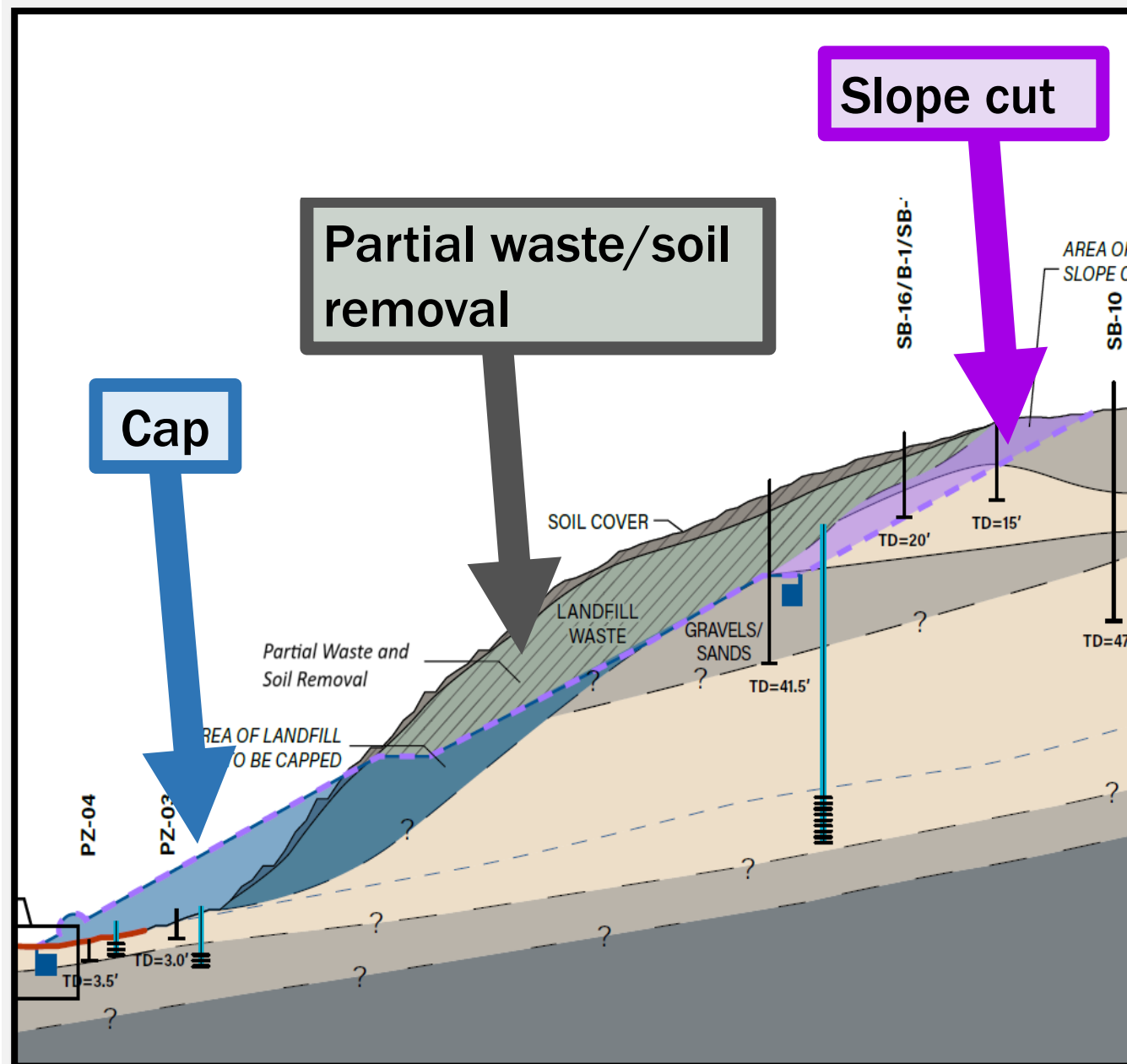




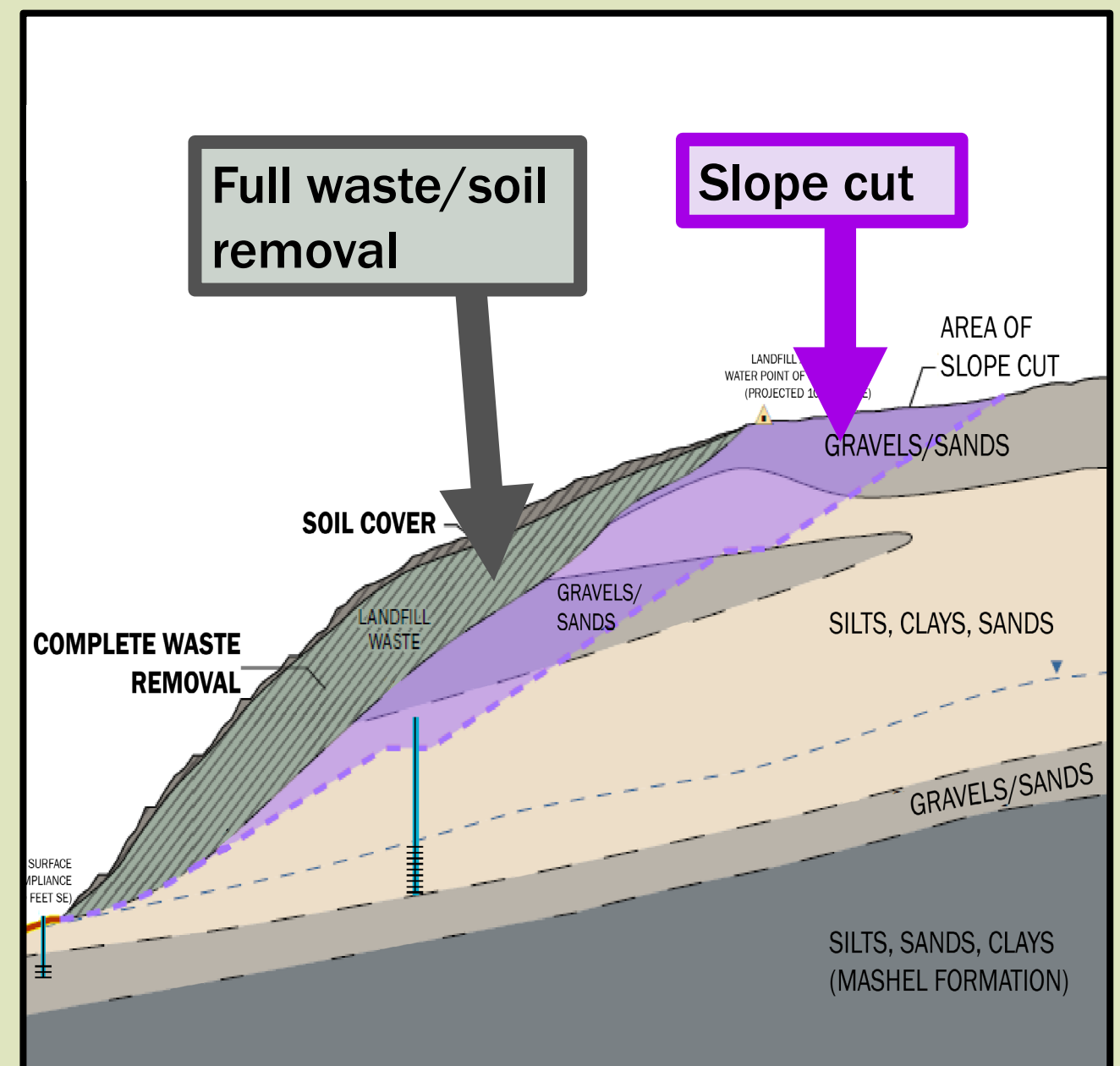
# Comparing Options: Landfill Area



## Partial Waste and Contaminated Soil Removal + Capping



## Full Waste and Contaminated Soil Removal





# Comparing Options: Wetland Area

Full Waste and Impacted  
Soil Removal

Waste Removal

+

Natural Breakdown

+

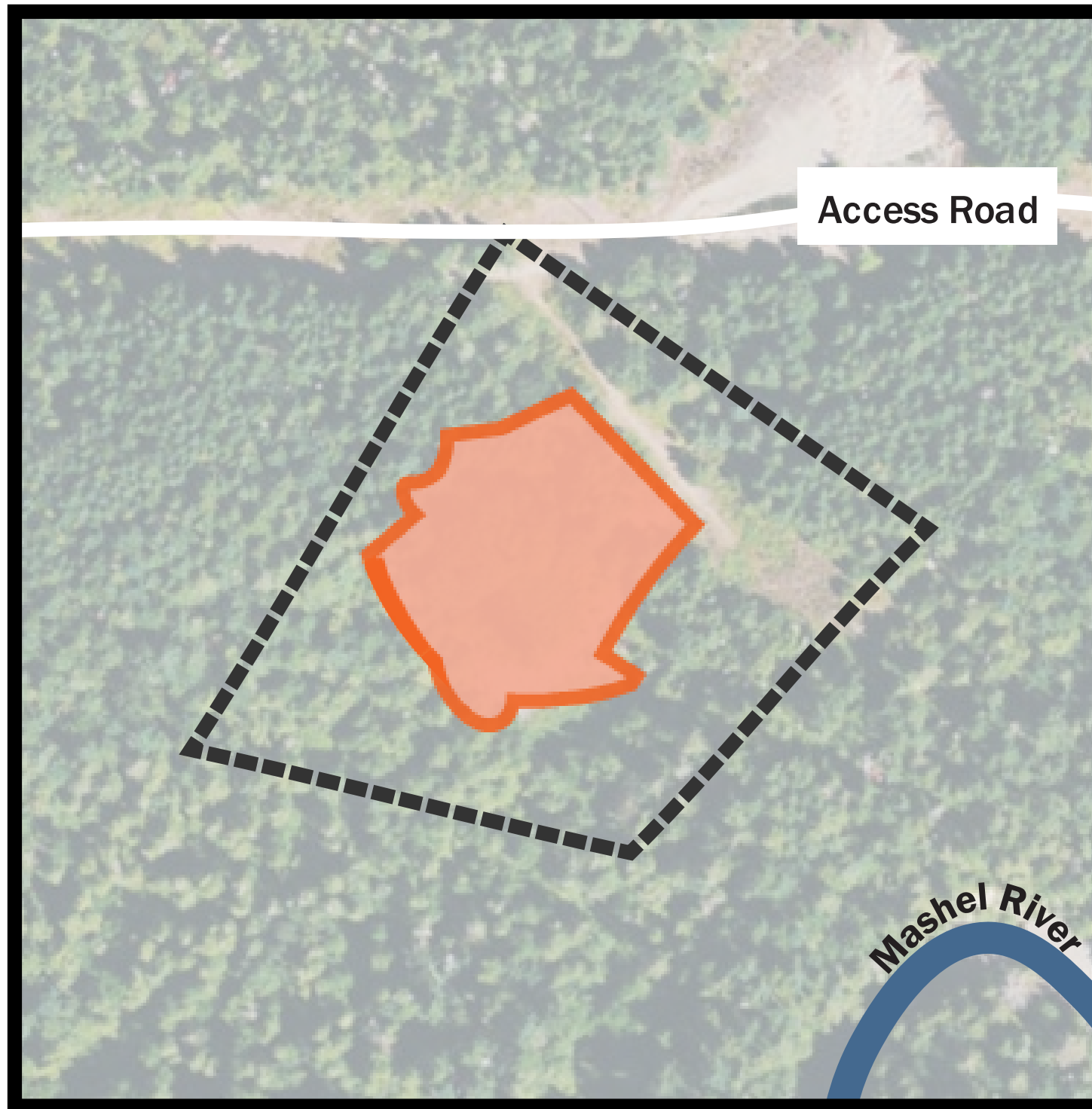
Limit Access





# Cleanup Action Plan

Full waste and contaminated soil removal in the landfill area





# Cleanup Action Plan

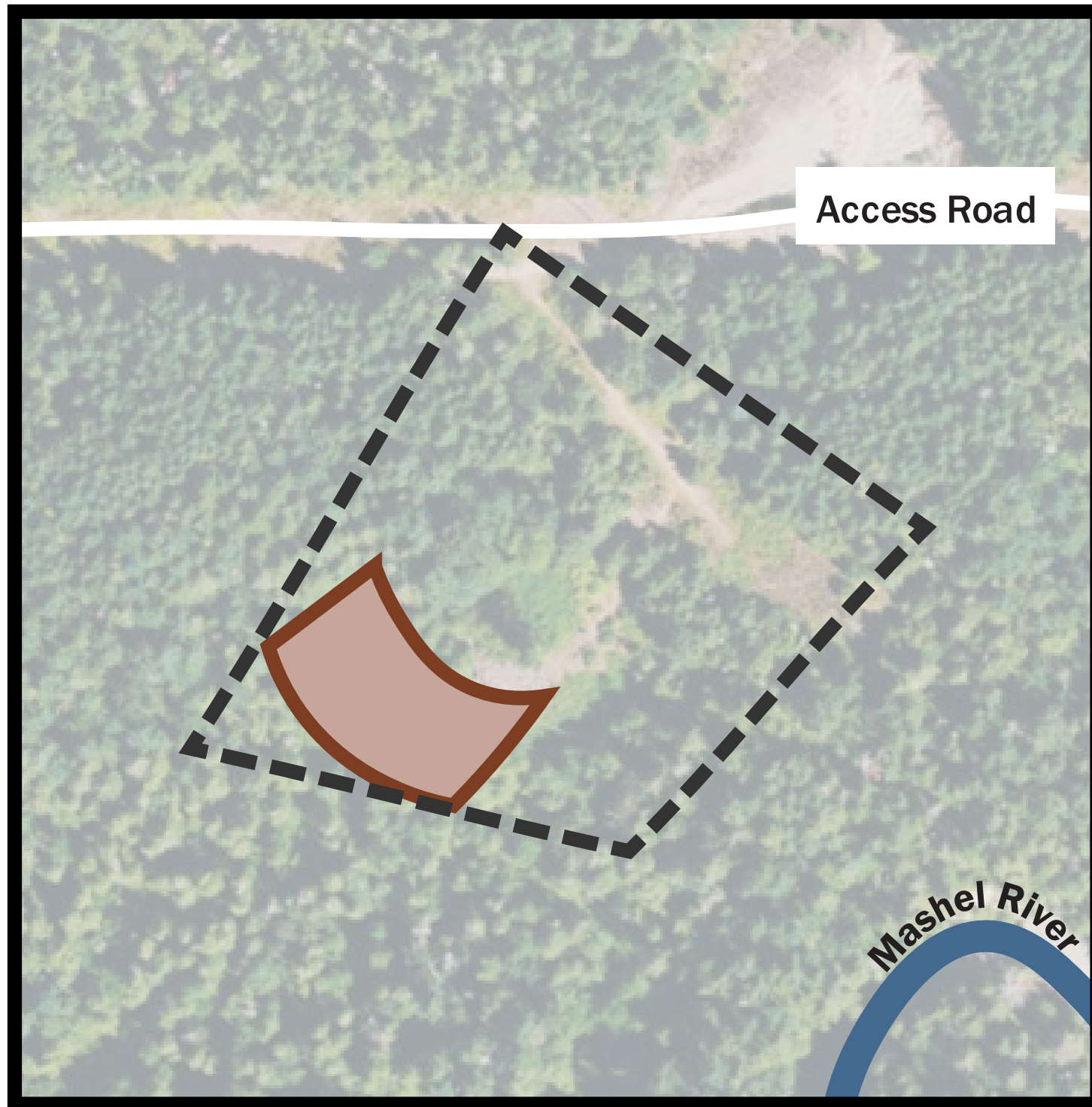
Full waste and contaminated soil removal in the landfill area

Waste removal in the wetland area





# After Waste Removal...



No access to wetland area soil (until gasoline, diesel, and oil reduce)

Restrict use of groundwater and surface water from the parcel





# Next Steps

**2024**  
-  
**2025**

● **Construction Preparation**  
Design, Permit, Contract

Engineering Design Report

Construction Stormwater Permit

Monitoring Plans

Restoration Plan

And more...





# Next Steps

**2024**  
-  
**2025**

● **Construction Preparation**  
Permit, Design, Contract

**2025**  
-  
**2026**

● **Construction**  
Yeah!!!





# Next Steps

**2024**  
-  
**2025**

● **Construction Preparation**  
Permit, Design, Contract

**2025**  
-  
**2026**

● **Construction**  
Yeah!!!

**2026**  
-  
**2036**

● **Monitoring**  
Make sure the cleanup is working





**Thank you for your time!**

**Any questions?**

**[ecology.wa.gov](http://ecology.wa.gov)**



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