



DEPARTMENT OF
ECOLOGY
State of Washington

BNSF Railway Skykomish Cleanup

Legal Agreement Amendment (Consent Decree)

November 28, 2022



We will start soon...

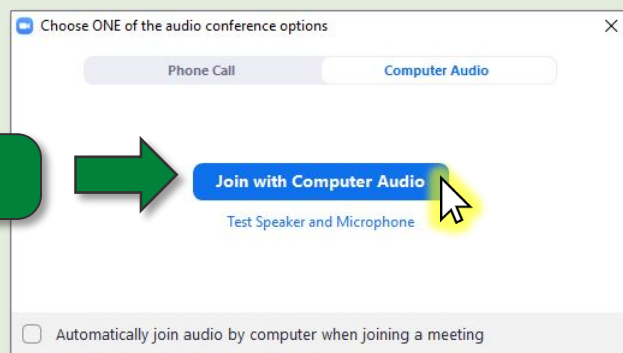
We are waiting for others to arrive from the Skykomish Town Council meeting.

Welcome to our meeting

We will start our presentation shortly.
No sound? We will unmute soon for sound checks.

Join

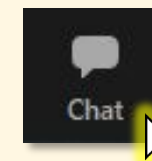
Connect Audio & Join



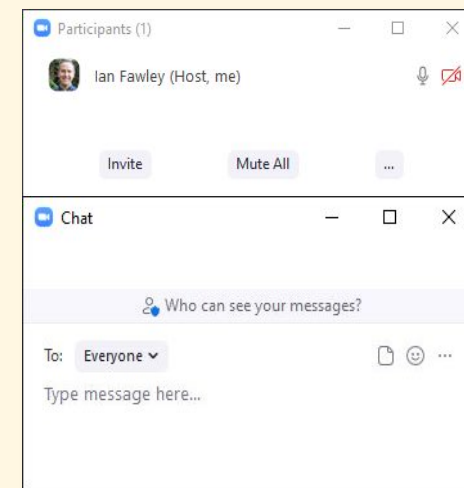
Tip Try your computer audio *first*.

If you'd like, you can test your speaker and microphone *before* joining.

Participate



Question?
Need help?
Chat with us!



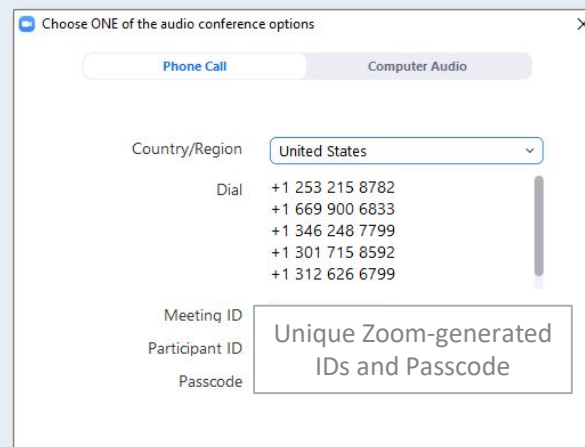
Turn on the Chat box and Participant list from your toolbar.

Audio

A Best Option: Use computer for audio

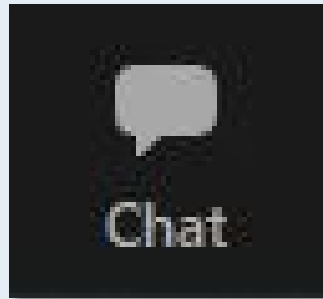
B If selecting "Phone Call"...

- Dial: **253-215-8782 (Tacoma)**
- Enter Zoom Meeting ID **872 7371 2749** followed by "#"
- Enter your unique Zoom Participant ID, followed by "#"
- (If you do not enter the Participant ID, you will be prompted to enter the Passcode.)



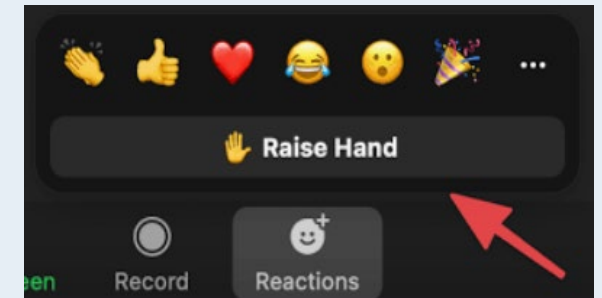
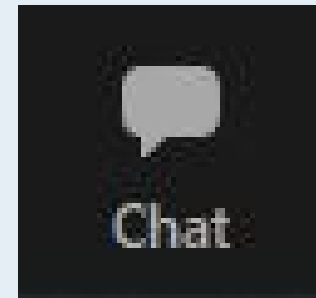
Participation

During the Presentation



Facilitators will collect questions for Q/A at the end of presentation.

During Q&A



Facilitators will address questions:
1st: Chat questions
2nd: Raised hands and then unmuted

Chat questions and verbal questions are NOT *formal* comments and will NOT receive *formal* responses. See eComments link in the chat to submit *formal* comments. →

Presentation Outline



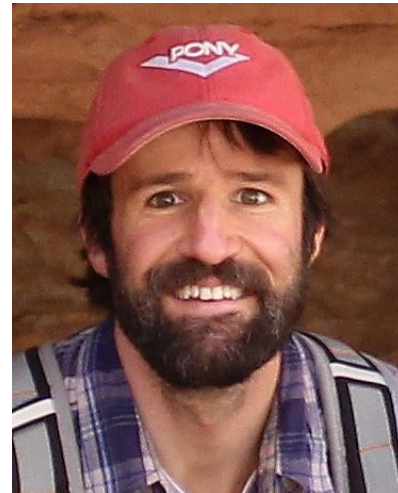
- Welcome and Introductions
- Cleanup Process & Public Participation
- Legal Agreement Amendment
 - HCC (Hydraulic Control and Containment) System
 - Additional Evaluation
- Next Steps
- How to Comment
- Questions/Answers



Meet Your Ecology Presenters

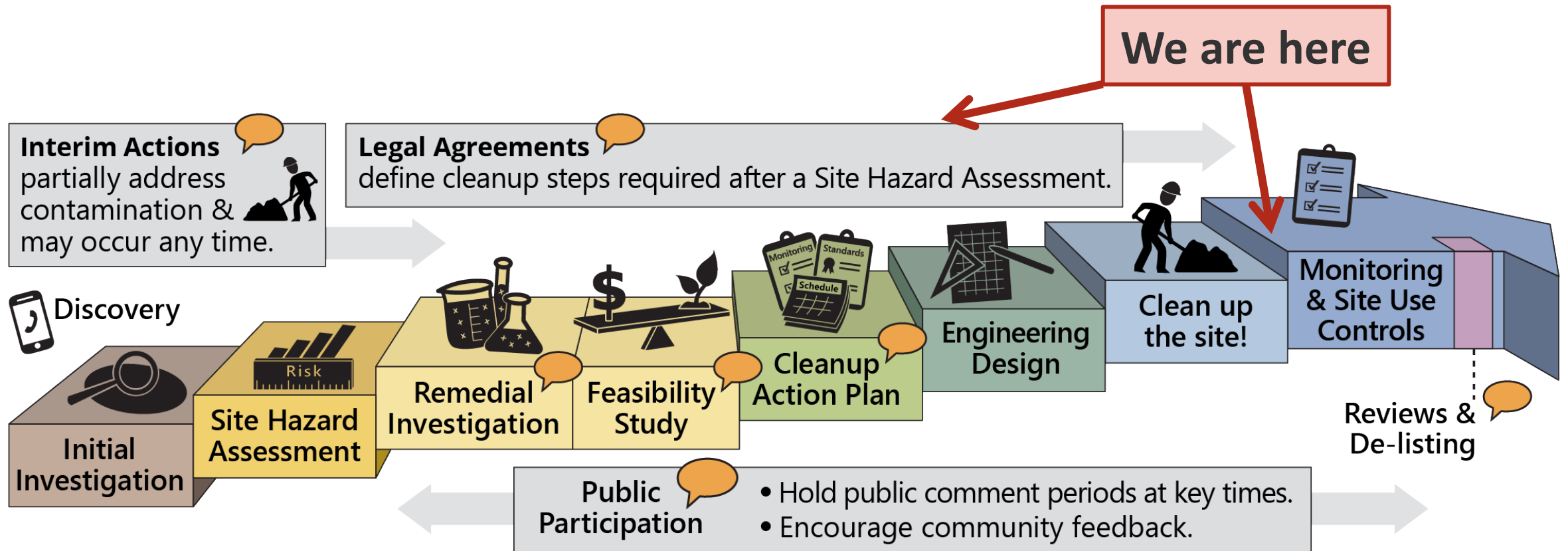


Ian Fawley
Outreach Planner



Tanner Bushnell
Site Manager

Washington's Formal Cleanup Process



Public Participation



Ecology has 1 document* ready for public review and comment:

1. Legal Agreement Amendment (Consent Decree)

*The Cleanup Action Plan, enclosed in the Consent Decree, has also been amended to address the HCC (Hydraulic Control and Containment) System.

Hydraulic Control and Containment (HCC) System



HCC System Continued

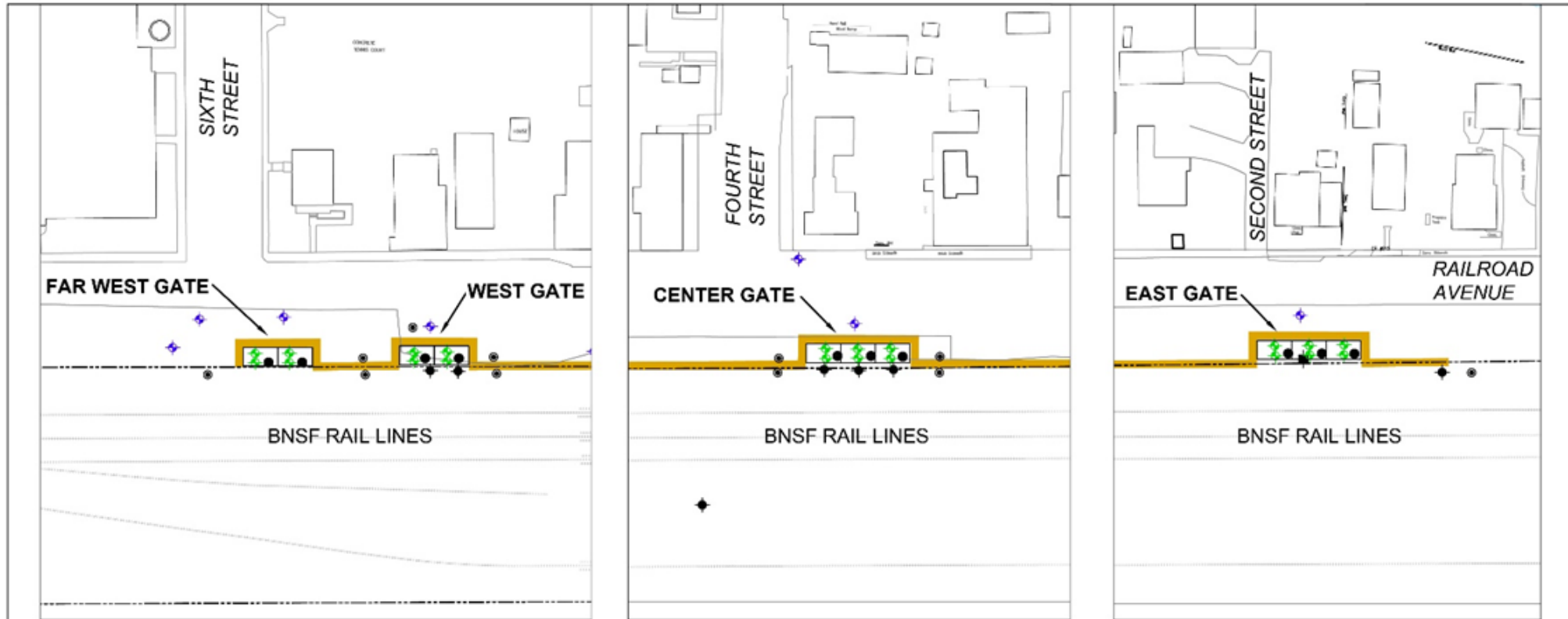


Installation of HCC
treatment gate system, 2008



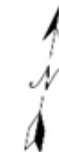
HCC System construction
on Railroad Avenue, 2008

HCC System Continued



LEGEND

- ◆ RECOVERY WELL
 - PIEZOMETER
 - ◆ TREATED-WATER REINJECTION WELL
 - BARRIER WALL GATE VAULT
 - ◆ MONITORING WELL
 - ◆ SENTRY WELL
- HYDRAULIC CONTROL AND CONTAINMENT (HCC) SYSTEM
 - - - - BNSF RAILYARD BOUNDARY

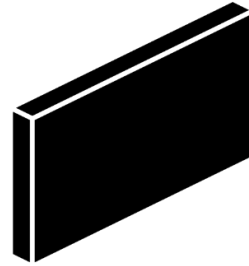


Hydraulic Control and Containment (HCC) System



“Active” features

- 9 extraction wells that pump groundwater to water treatment system



“Passive” features

- Barrier wall
- 4 flow-through gates filled with carbon/pea gravel



Pilot Study

- Ecology approved January 2019
- Extended from 12-months to 24-months to gather more data

Pilot Study data available to date indicates passive operation of the barrier wall has met site cleanup standards.

Next Steps



Early 2023

- Address comments and finalize legal agreement

2023 - 2026

- Groundwater monitoring
- Potential additional pilot study
- Review of operational and performance monitoring data

2026...

- Groundwater monitoring continues
- Ongoing review of system performance until cleanup objectives are met



How to Comment

Nov. 21–
Dec. 22, 2022



Comment Online

www.bit.ly/Ecology-BNSFSkykomish-Comments



Contact Site Manager

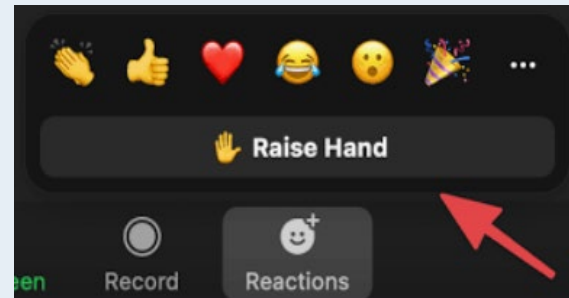
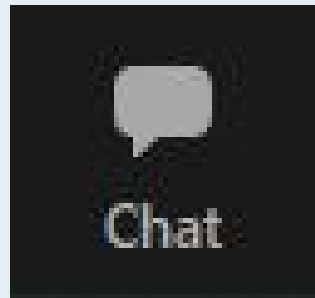
Tanner Bushnell– Site Manager

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Shoreline, WA 98133-9716

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Questions and Answers



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Thank you

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Reminder:

A digital PDF of this presentation will be available on Ecology's webpage:
www.bit.ly/Ecology-BNSFSkykomish