

# Welcome to our online meeting

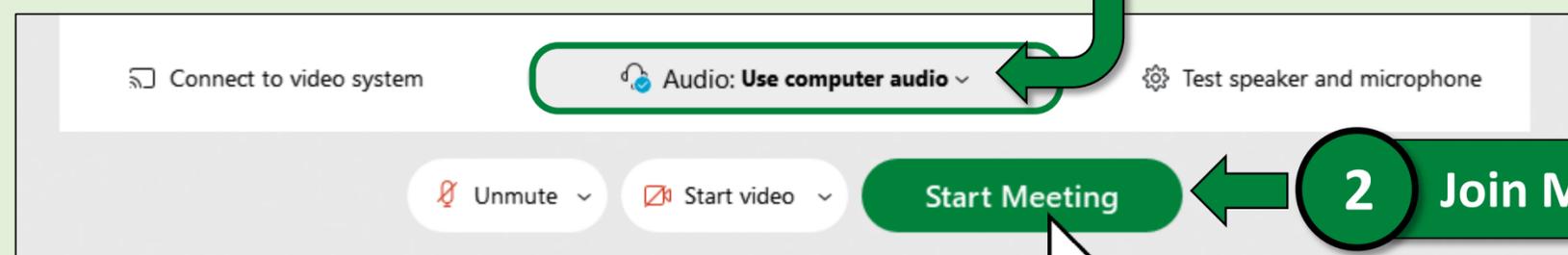
We will start our presentation shortly.  
No sound? We will unmute soon for sound checks.

## Join



Try your computer audio first.

**1** Connect Audio



**2** Join Meeting

## Audio

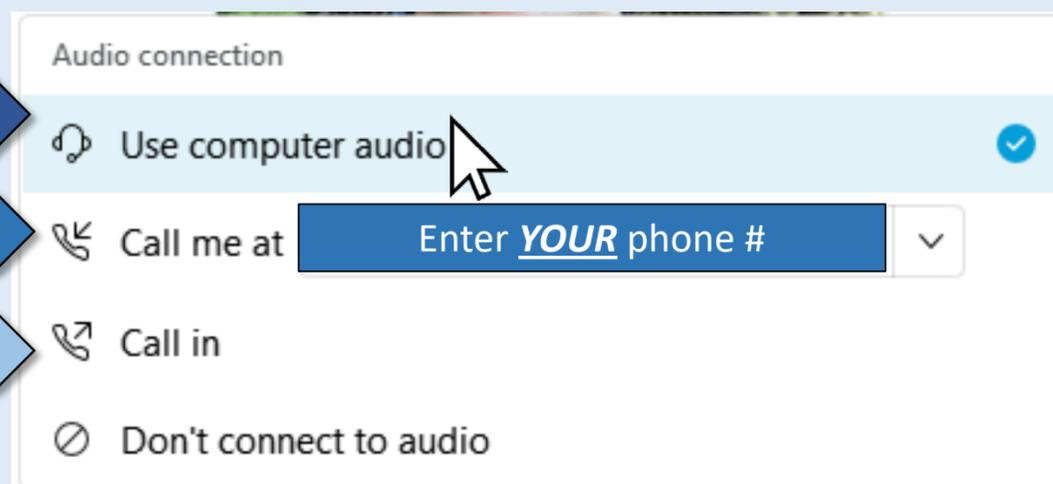
**A** Best Option: Use computer for audio

**B** If computer audio does NOT work...

**C** If calling your phone does NOT work...

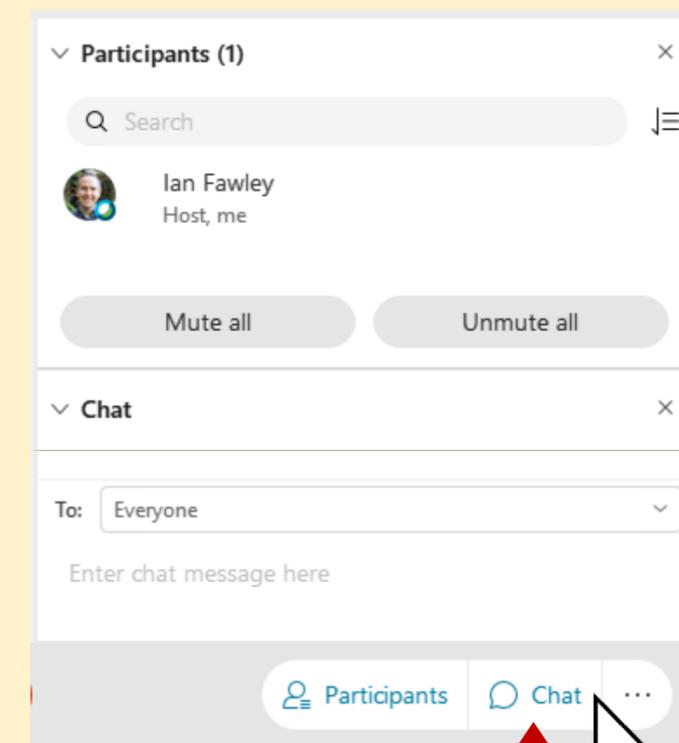
If selecting "Call in:"

- Call US Toll: +1-415-655-0001
- Enter Webex-generated code 177 519 3682 followed by "#"



## Participate

Turn on Chat box  
and Participant list  
at the bottom right  
side of your screen.



**Question? Chat with us.**



# Harris Avenue Shipyard Site

Online Public Meeting

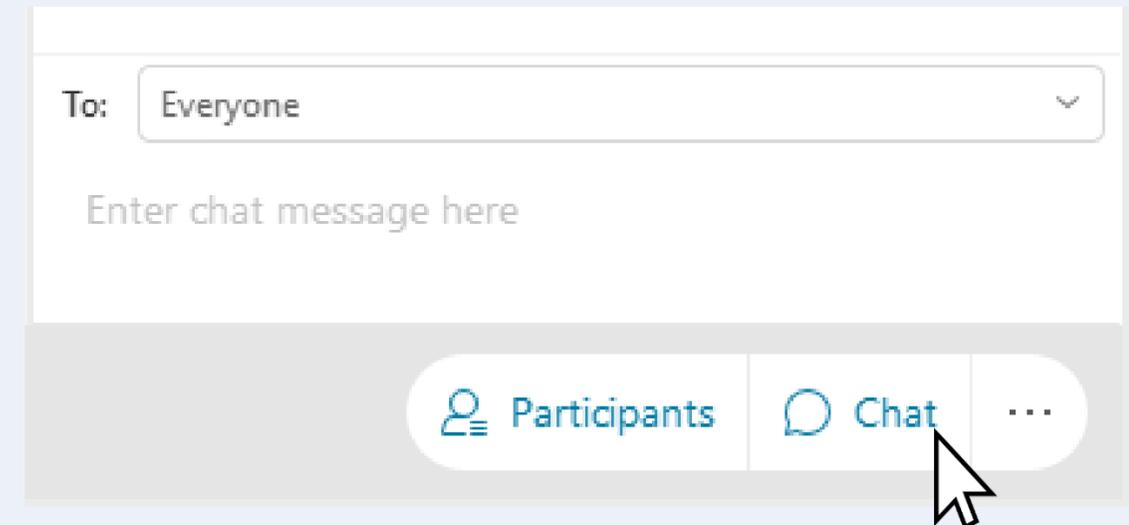
Wednesday, December 16, 2020



# Participation in Online Public Meeting



**You can ask questions via the chat function**



**Facilitators will read your typed questions**

**Our presentation team will either:**

1. Answer your questions throughout the presentation.
- OR--**
2. Collect your questions for the Q/A session at the end.



Ian Fawley



Kelsey Ketcheson



# Presentation Outline



- Welcome and introductions
- Site Location and Background
- MTCA Cleanup Process
- Parties to the Cleanup
- Cleanup Accomplishments
- Interim Action
- Describe Cleanup Action
- Next Steps
- How to Comment
- Questions/Answers

# Online Meeting Presentation Team

**Department  
of Ecology**



**John Guenther**  
Site Manager



**Ian Fawley**  
Outreach Specialist

**Port of  
Bellingham**



**Brian Gouran**  
Director of Environmental and Planning Services



# Site Location



# Nearby Bellingham Bay MTCA Sites



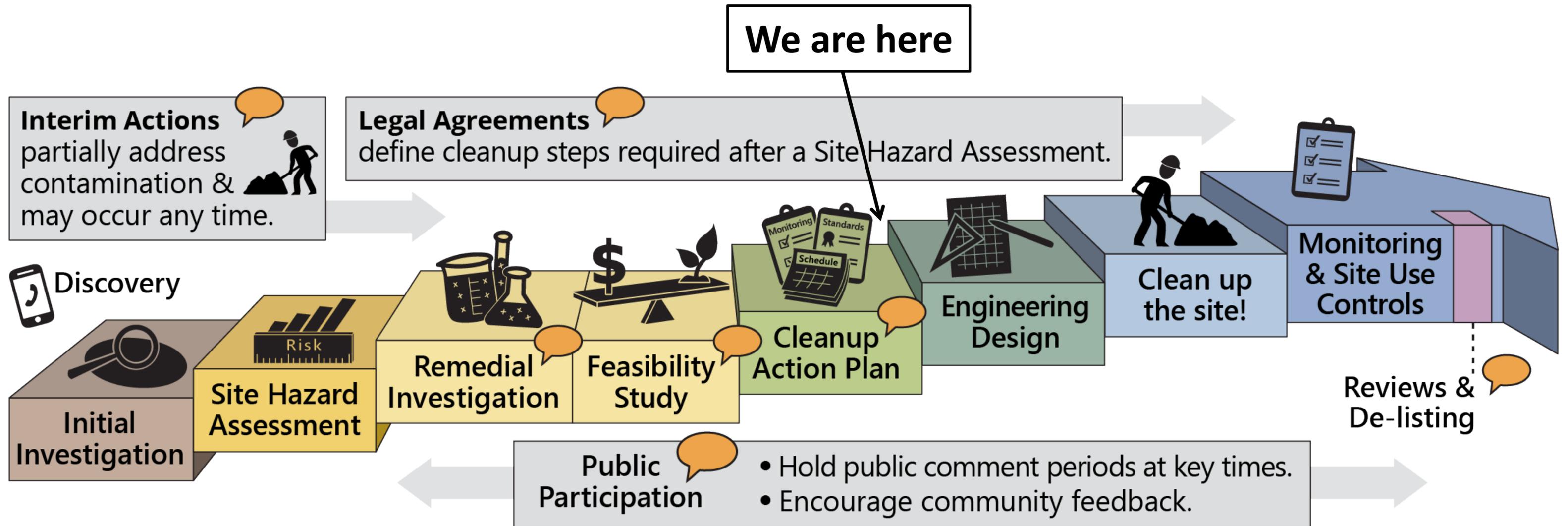
# Site Background

- Site is about 10 acres in size: 5 acres of uplands, 5 acres of aquatic land
- Property ownership is a combination of State and Port-owned land
- More than 100 years of commercial activities including fish processing facilities, ship building and ship repair
- Current Use: Vacant, with interim use of pier for layberth moorage



# Model Toxics Control Act (MTCA)

## Washington's Formal Cleanup Process



# Parties to the Cleanup



- Floyd | Snider  
(Consulting Engineer for Port)

# Cleanup Accomplishments

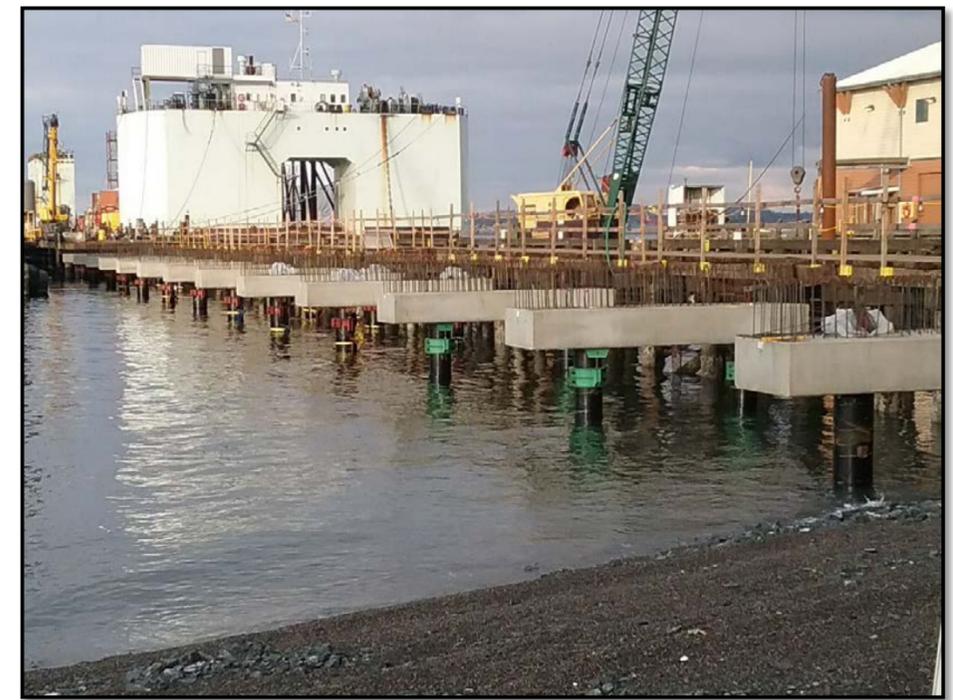
- **March 2010**—Agreed Order for site-wide cleanup of upland and sediment
- **July 2016**—Agreed Order Amended for Interim Action
- **May 2017 to November 2018**—Interim Action conducted
- **April 2019**—Public Comment Period for the Public Review Draft RI/FS
- **June 2019**—Final RI/FS Approved by Ecology
- **October 2020**—Draft Cleanup Action Plan approved by Ecology for public review, SEPA DNS for cleanup action and new Agreed Order



# Interim Action

Completed between May 2017 and November 2018

- Excavated ~1,200 CY of contaminated soil
- Dredged ~9,900 CY of contaminated subtidal and intertidal sediment
- Demolished Carpenter Building and wooden portion of Harris Avenue Pier
- Removed approximately 540 treated timber piles
- Constructed new concrete pier with steel piling and installed new utilities



# Contaminants of Concern

## SOIL

- **Metals**
  - Arsenic
  - Copper
  - Zinc
- **Total Petroleum Hydrocarbons**
  - TPH

## GROUNDWATER

- **Metals**
  - Arsenic
  - Copper
  - Zinc
- **Total Petroleum Hydrocarbons**
  - TPH
  - 1-Methylnaphthalene

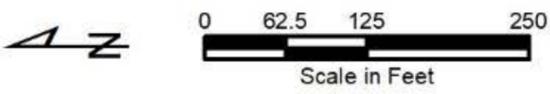
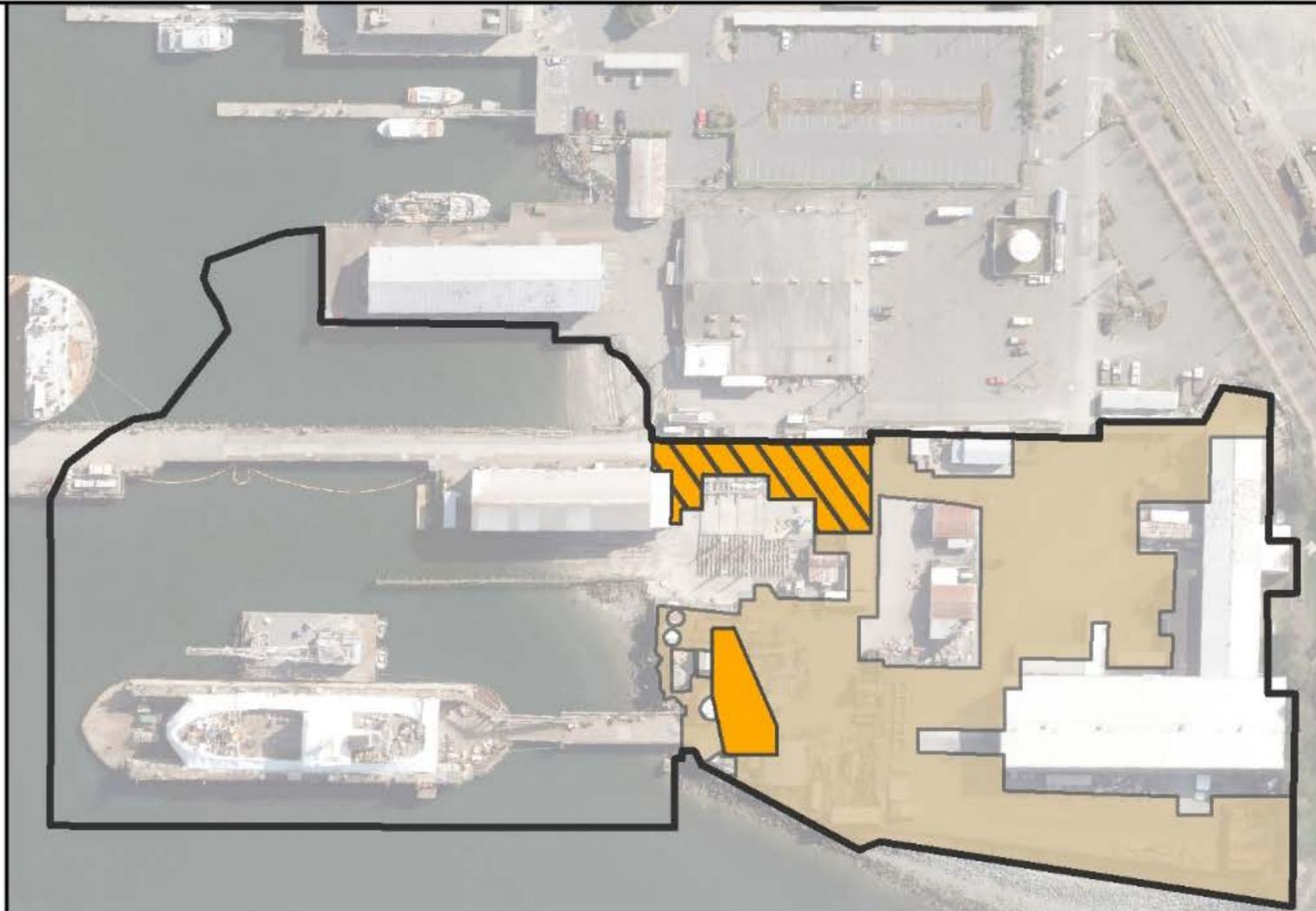
## SEDIMENT

- **Metals**
  - Arsenic
  - Copper
  - Zinc
  - Cadmium
- **Semivolatile Organic Compounds**
  - Fluoranthene
  - Pyrene
  - Polycyclic aromatic hydrocarbons
- **Polychlorinated Biphenyls**
  - Total PCBs

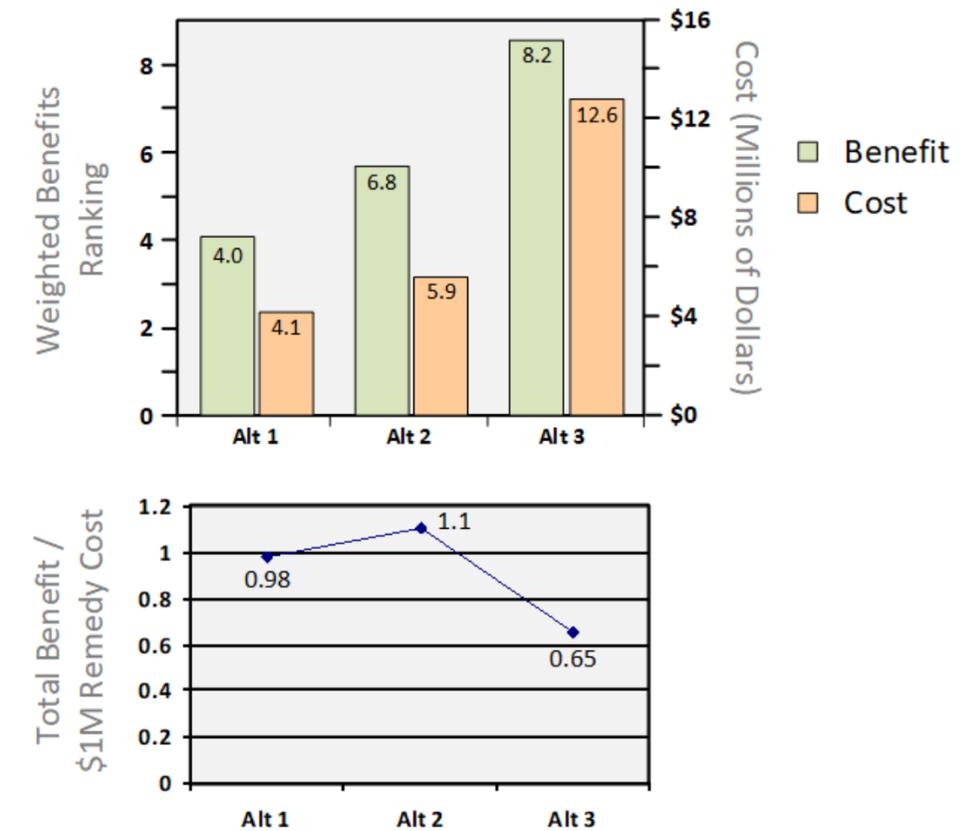


# Cleanup Action: Soil and Groundwater (upland)

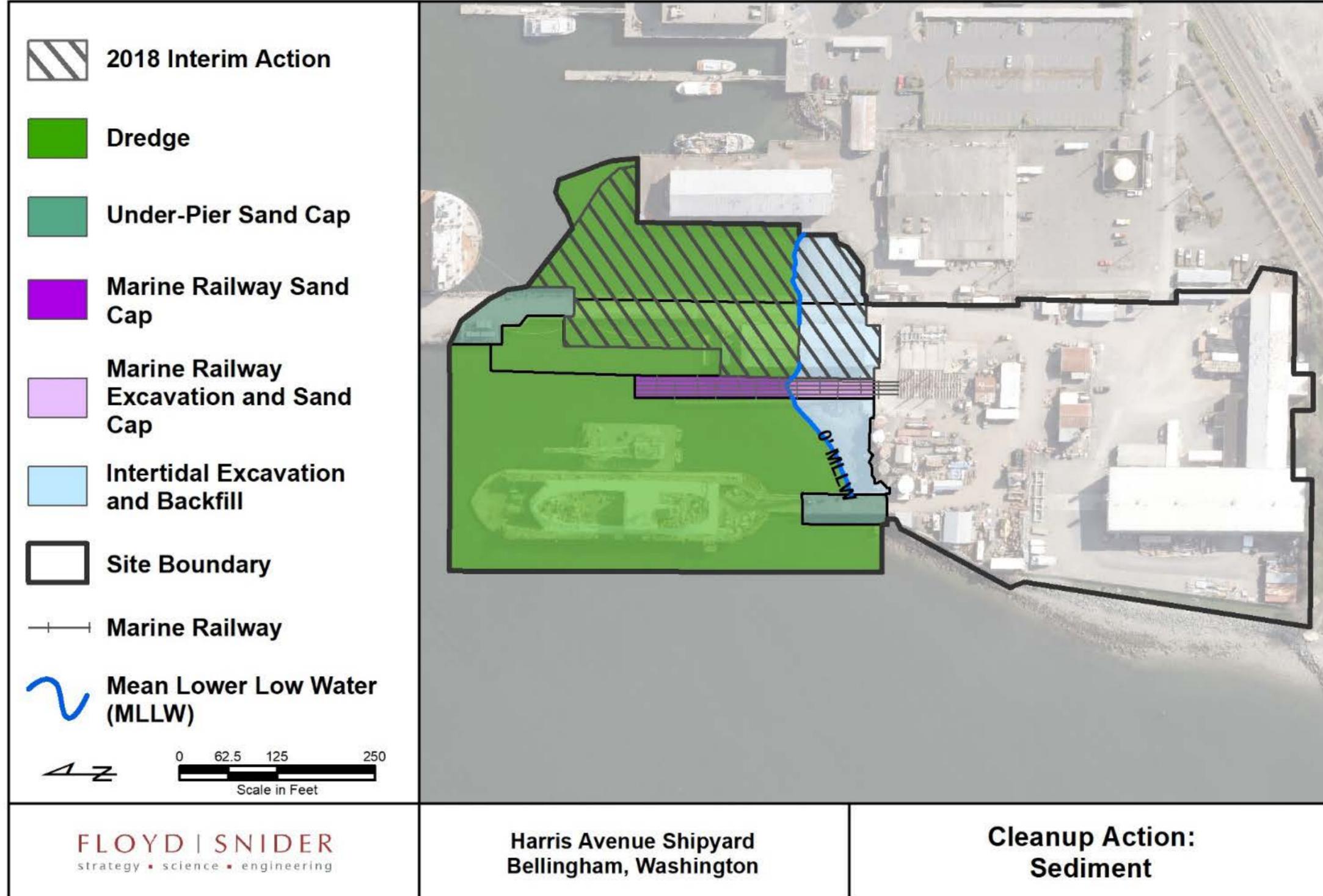
-  2018 Interim Action
-  Excavate Shallow Soil and Cap
-  Excavate Deeper Soil
-  Site Boundary



**Alternative 2:  
Partial Removal and  
Containment  
\$5.9 million**

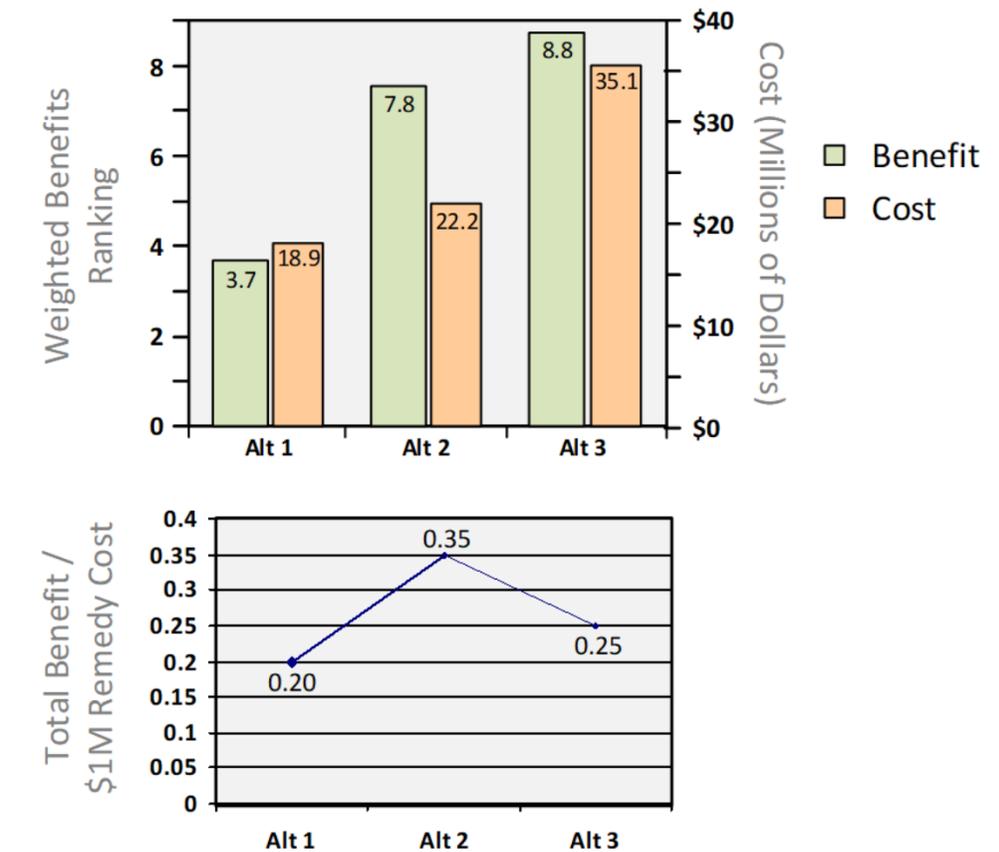


# Cleanup Action: Sediment (in-water)



## Alternative 2: Dredging & Capping

**\$22.2 million**



# Administrative Controls

- **Soil and Groundwater Institutional Controls:**
  - Future uses restricted to those compatible with remedy
  - Health & Safety requirements on future work that disturbs contaminated soil or groundwater
- **Sediment Institutional Controls**
  - Restrictions for future development that protect caps, and specify requirements for restoration of disturbed caps
  - Requirements for handling and disposal of capped sediment
- **Consultation with DNR on appropriate administrative controls for state-owned lands**

**We are here**



**Public  
Comment**



**Public Comment Period for DCAP, SEPA, Design AO**



**Pre-Remedial Design Investigation**



**Engineering Design  
(Engineering Design Report,  
Construction Documents)**



**Project Permitting**



**Public  
Comment**



**Consent Decree for Remedial Action Construction**



**Remedial Action Construction**

# Next Steps

(Size of step =  
time to complete)



# How to Comment

December 7, 2020 –  
January 20, 2021



## 1.) Comment Online

- [www.bit.ly/Ecology-HarrisAveShipyard-Comments2020](http://www.bit.ly/Ecology-HarrisAveShipyard-Comments2020)
- [www.bit.ly/Ecology-HarrisAveShipyard](http://www.bit.ly/Ecology-HarrisAveShipyard)



## 2.) Contact Site Manager

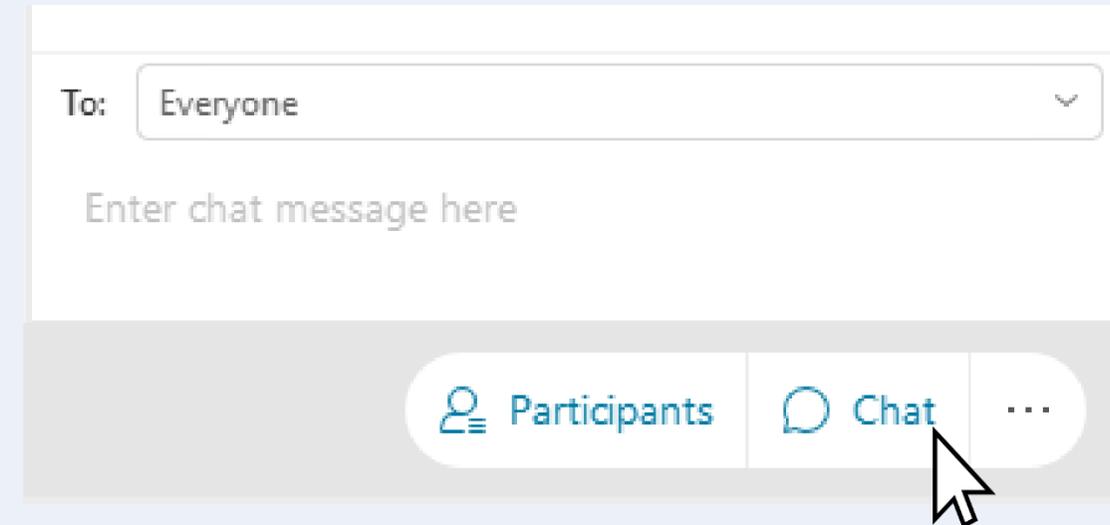
John Guenther – Site Manager  
913 Squalicum Way, Unit 101  
Bellingham, WA 98225  
[John.Guenther@ecy.wa.gov](mailto:John.Guenther@ecy.wa.gov)



# Questions?



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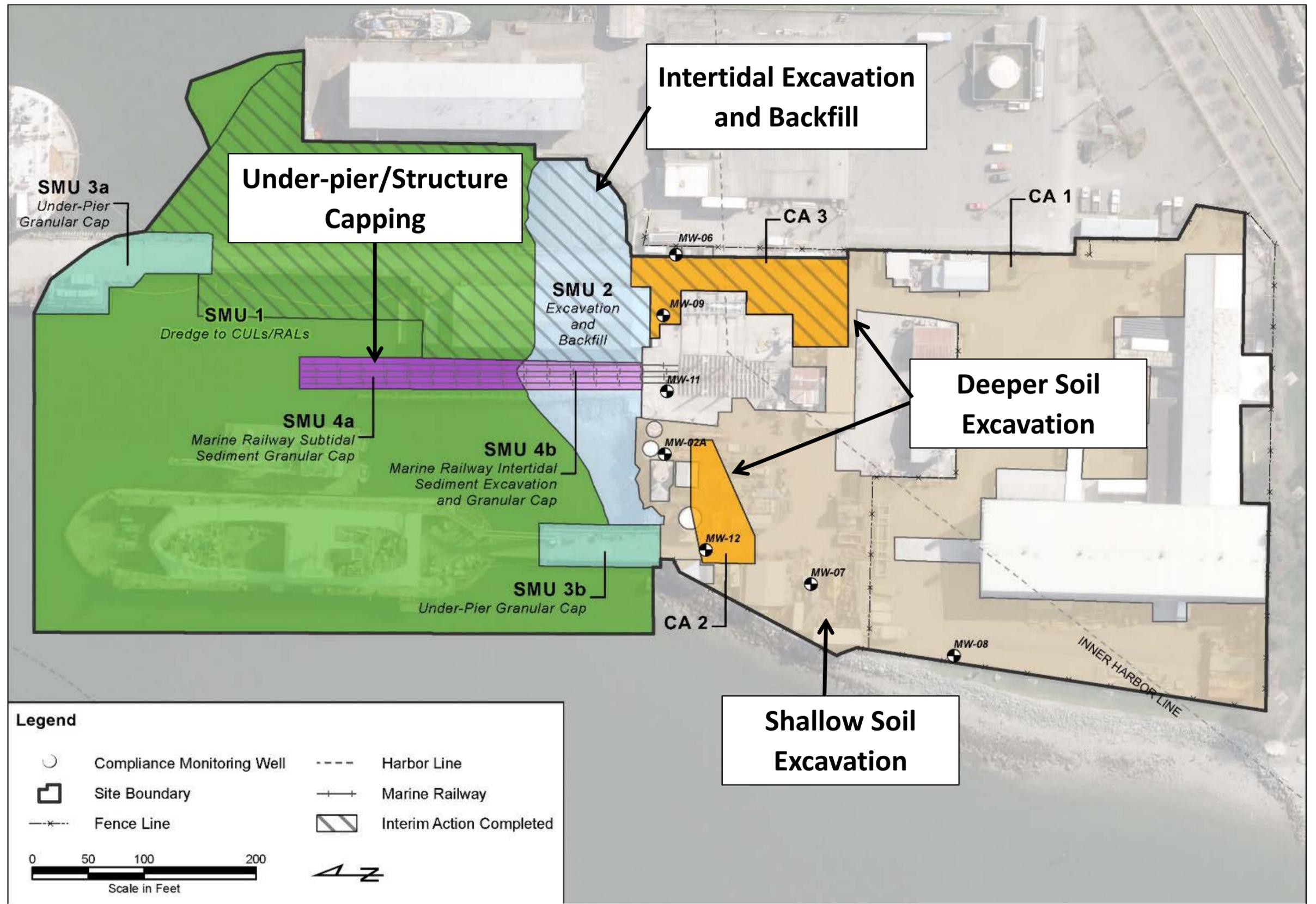
Ian Fawley



Kelsey Ketcheson



# Cleanup Action Plan



# Thank you for attending!



**John Guenther**

Site Manager

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**Ian Fawley**

Outreach Specialist

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425-324-5901

## **Reminder:**

A digital PDF of this presentation will be available on Ecology's Harris Avenue Shipyard webpage:

[www.bit.ly/Ecology-HarrisAveShipyard](http://www.bit.ly/Ecology-HarrisAveShipyard)