

# Port Angeles Rayonier Mill and Western Harbor Online Update Tuesday, February 9, 2021



# Port Angeles Rayonier Mill and Western Harbor Online Update

## Presentation Outline



- Welcome and introductions
- Cleanup process
- Port Angeles Cleanup and Restoration
- Western Harbor cleanup update
- Rayonier Mill cleanup update
- Questions/Answers



**Rebecca Lawson**

Interim Program Manager  
Toxics Cleanup Program



**Connie Groven**

Acting Unit Supervisor/Site Manger  
Western Harbor



**Marian Abbett**

Acting Section Manager/Site Manager  
Rayonier Mill



**Nancy Davis**

Facilitator



**Heather May**

Host

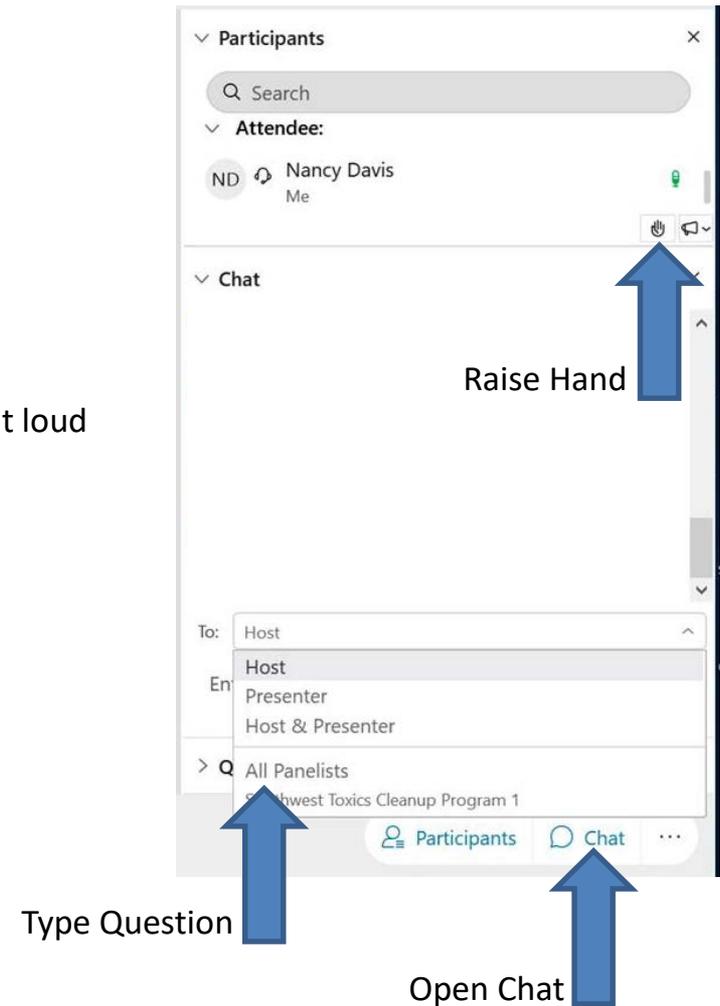
# Participate in Q&A Session

To ask a question:

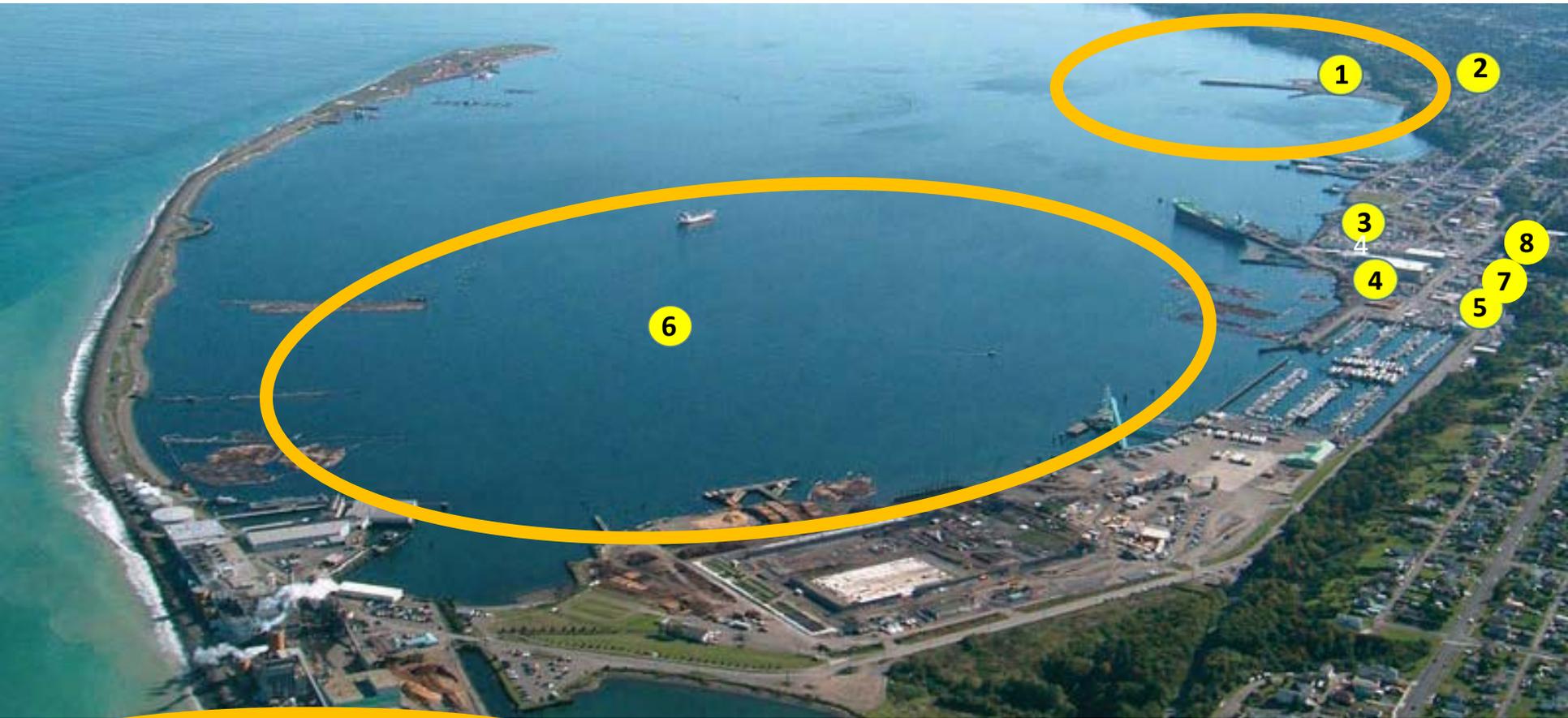
- Open chat
- Chat your question to **all panelists** and the facilitator will read it out loud  
OR
- Raise your hand and wait to be unmuted to speak

Call-in only folks: \*3 to raise hand, wait to be unmuted to ask your question.

We will read questions and acknowledge raised hands in the order they are received. Please be patient.



# Port Angeles Cleanup Sites



**1. Rayonier Mill Study Area**

**2. Rayonier Mill Off-Property Soil Dioxin Study**

**3. K Ply Site**

**4. Marine Trades Area Site**

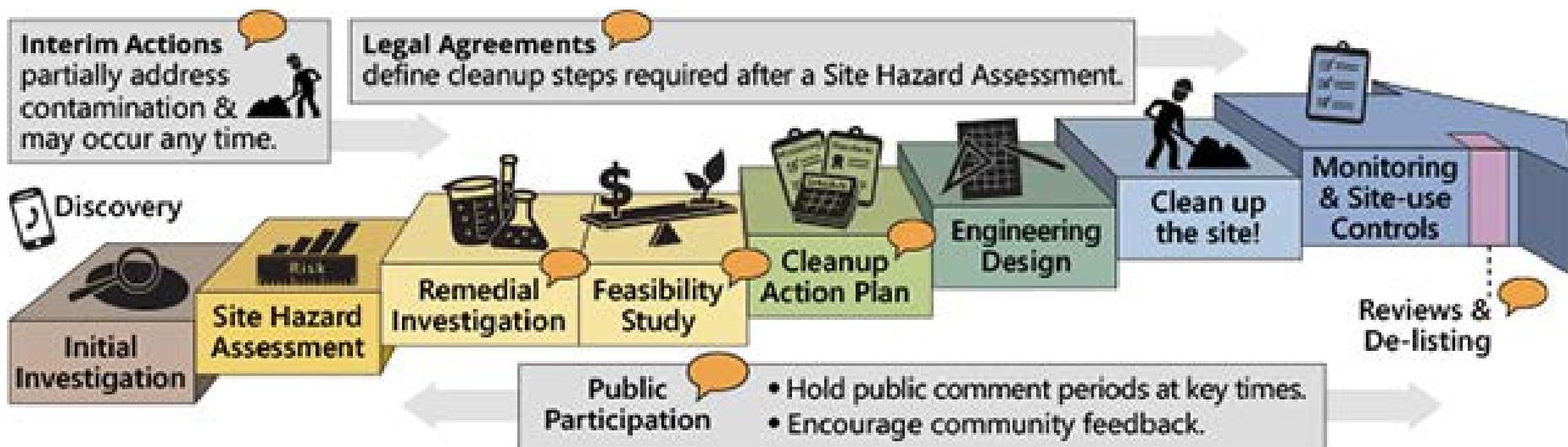
**5. Unocal Bulk Plant #0601 Site**

**6. Western Port Angeles Harbor Site**

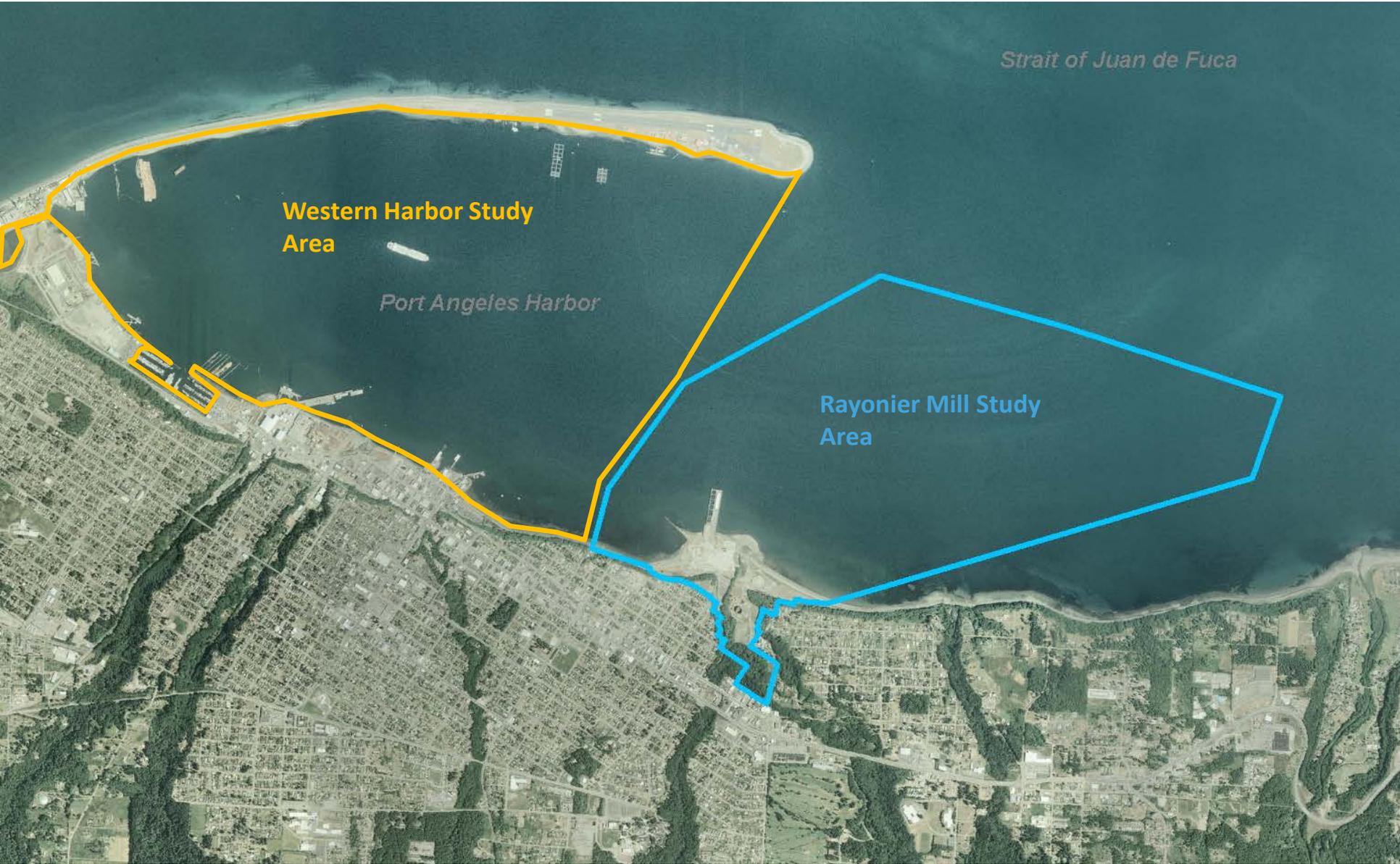
**7. Shell Oil**

**8. Pettit Oil Tumwater Truck Route**

# The Cleanup Process



# Rayonier Mill and Western Harbor Cleanups



Strait of Juan de Fuca

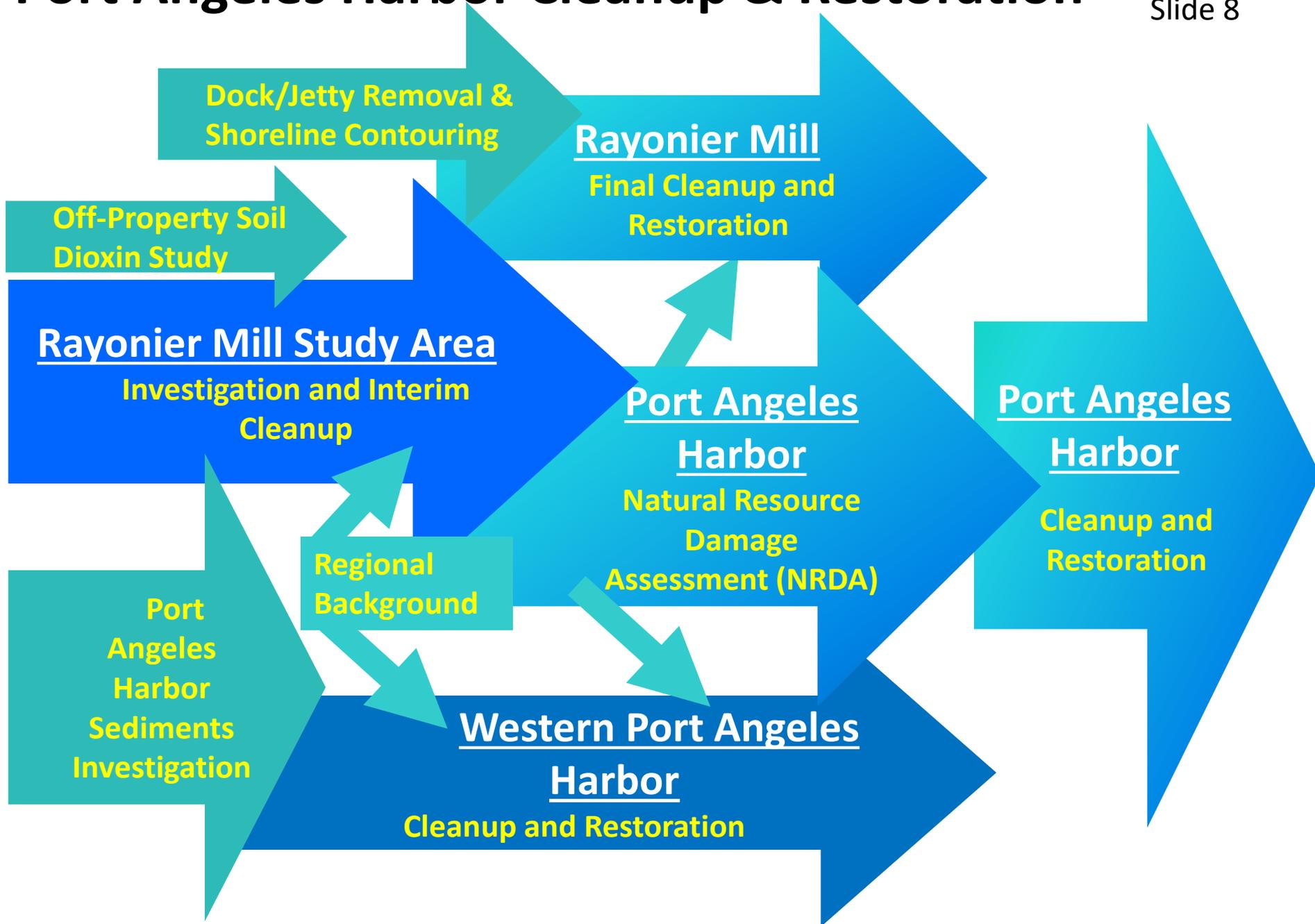
Western Harbor Study Area

Port Angeles Harbor

Rayonier Mill Study Area

# Port Angeles Harbor Cleanup & Restoration

Slide 8



# Western Port Angeles Harbor Cleanup



# Responsiveness Summary

2020

*Public comment period:*

**Jan 16 to Mar 16**

**57 comments**



DEPARTMENT OF  
**ECOLOGY**  
State of Washington

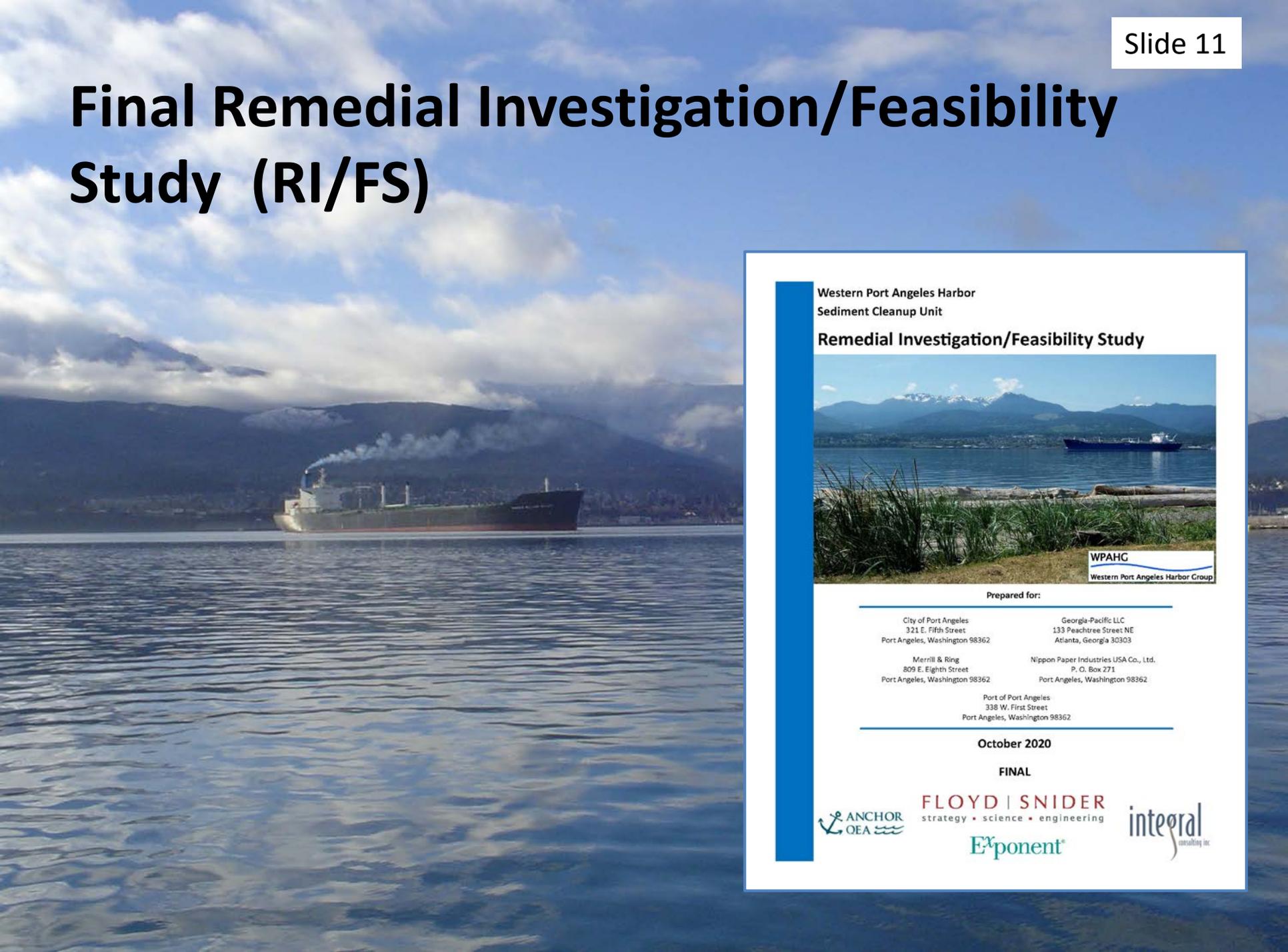
**Western Port Angeles Harbor  
Sediment Cleanup Unit  
Remedial Investigation and Feasibility Study  
Responsiveness Summary**

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*Ecology's response to stakeholder  
and public comments*

September 2020

# Final Remedial Investigation/Feasibility Study (RI/FS)



Western Port Angeles Harbor  
Sediment Cleanup Unit

## Remedial Investigation/Feasibility Study



Prepared for:

City of Port Angeles  
321 E. Fifth Street  
Port Angeles, Washington 98362

Merrill & Ring  
809 E. Eighth Street  
Port Angeles, Washington 98362

Georgia-Pacific LLC  
133 Peachtree Street NE  
Atlanta, Georgia 30303

Nippon Paper Industries USA Co., Ltd.  
P. O. Box 271  
Port Angeles, Washington 98362

Port of Port Angeles  
338 W. First Street  
Port Angeles, Washington 98362

October 2020

FINAL

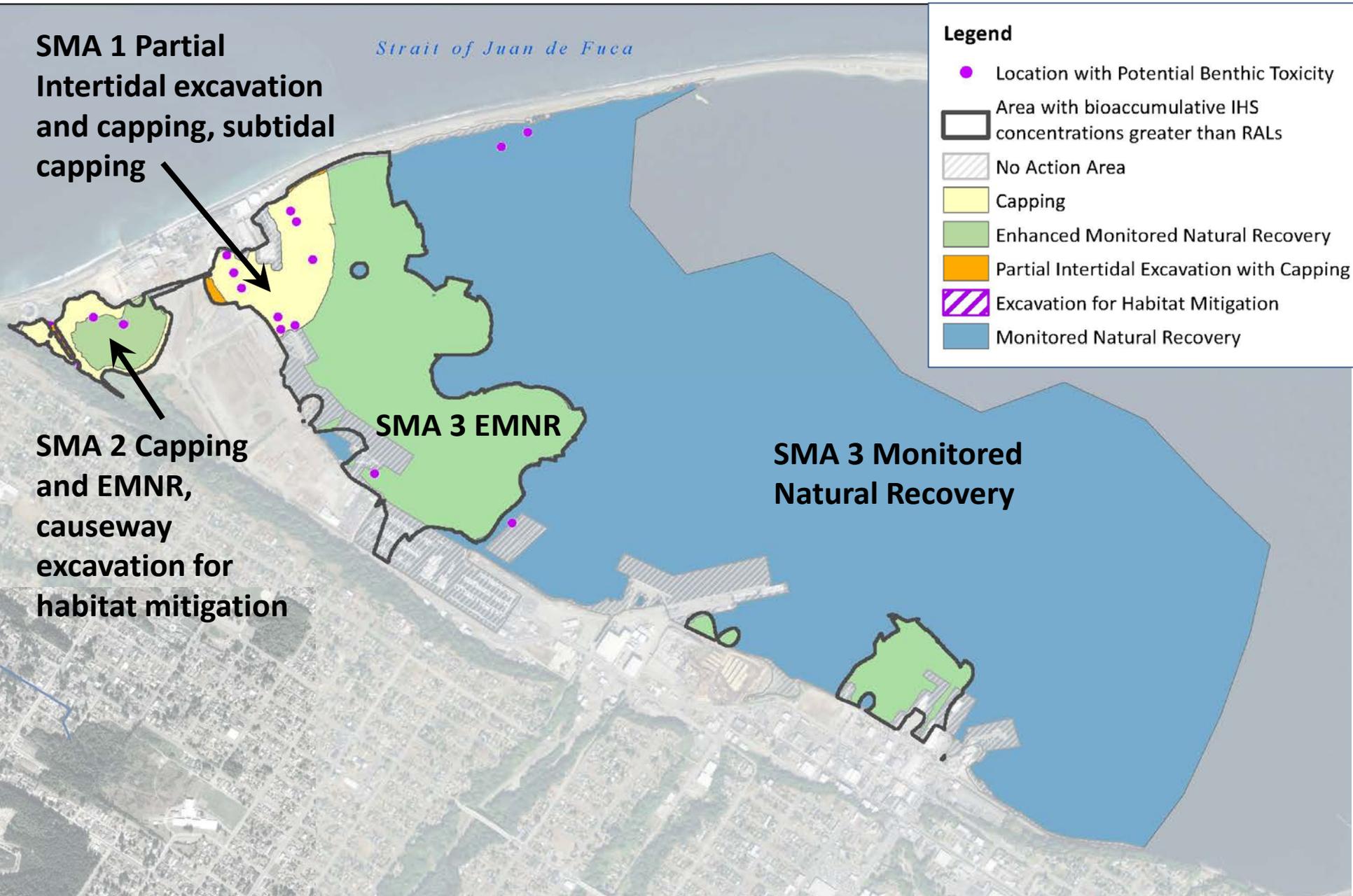


FLOYD | SNIDER  
strategy • science • engineering

Exponent

integral  
consulting inc

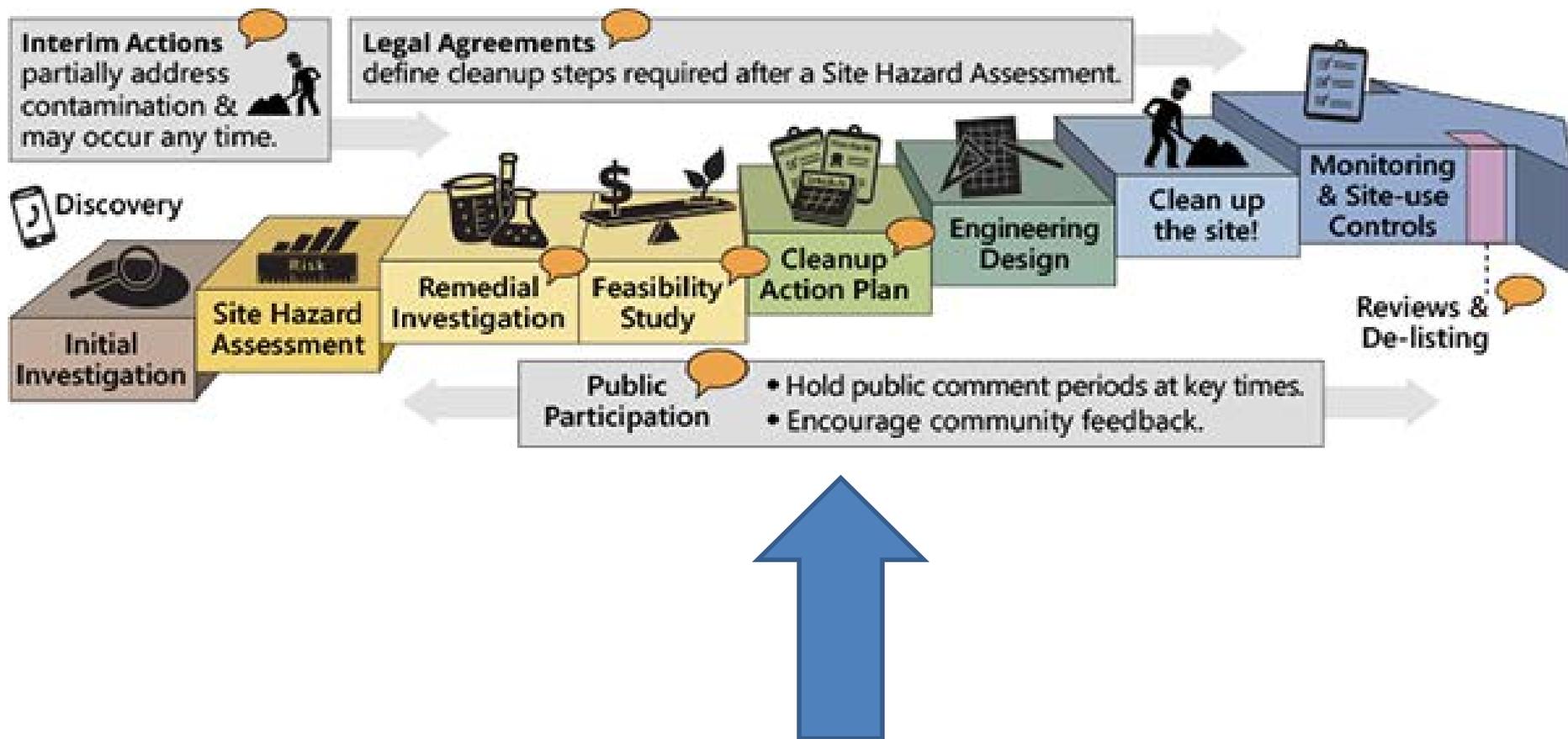
# Combined Recommended Alternatives



# Combined Recommended Alternatives

Alternatives	Acres	Description	Cost
Inner Harbor Alternative 1D	1 Excavation 33 Capping	Partial intertidal excavation and capping with subtidal capping	\$12M
Lagoon Alternative 2E	10 Capping 14 EMNR	Intertidal capping with subtidal EMNR, aquatic habitat mitigation	\$7M
Other Harbor Alternative 3B	164 EMNR 936 MNR	EMNR to an extent to comply with cleanup standards 10 years post-construction with MNR	\$15M
		6 construction seasons	<b>Total \$34M</b>

# Progress and Next Steps



# Natural Resource Damage Assessment

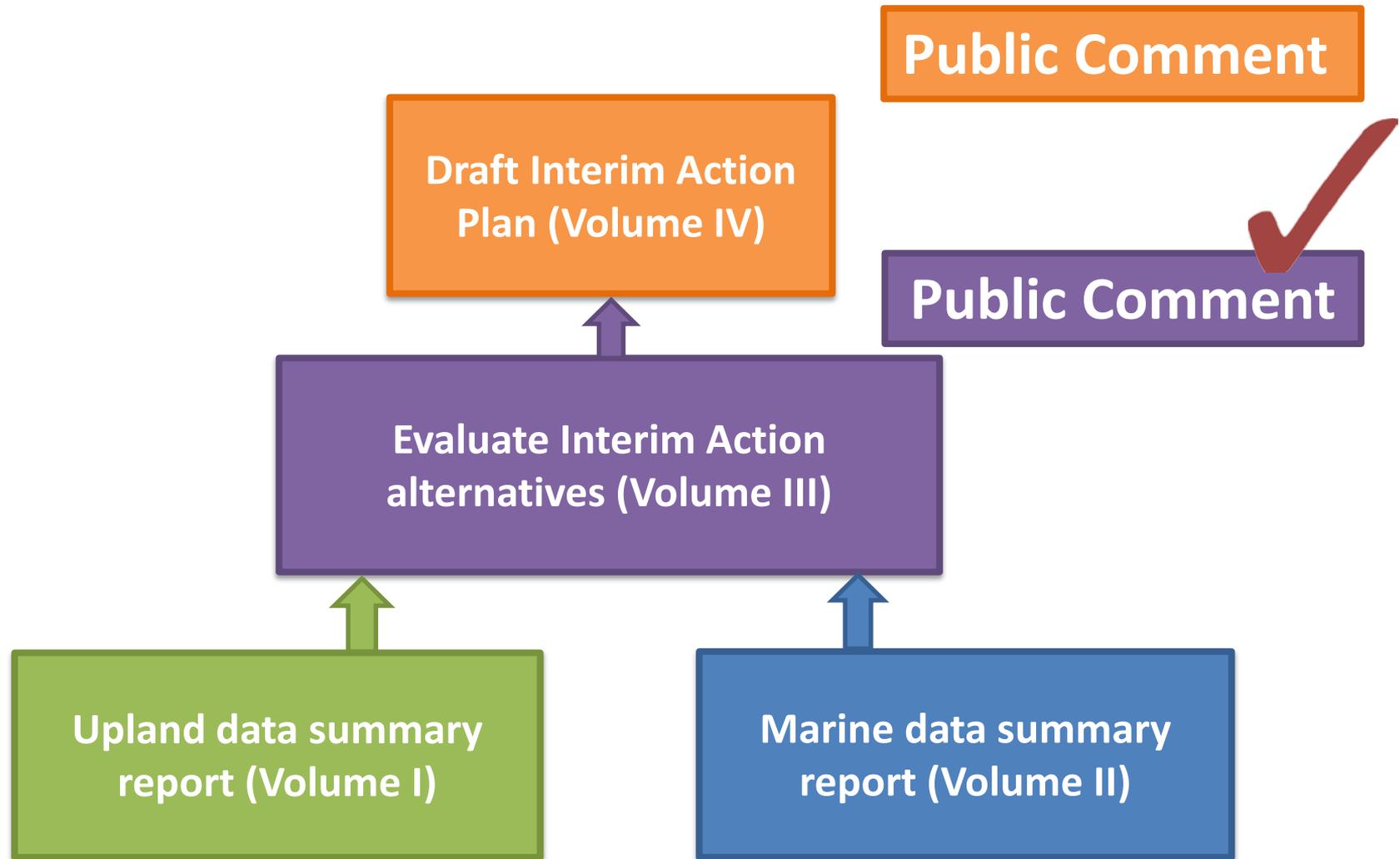
Slide 15



# Rayonier Mill Study Area



# Steps toward cleaning up the Study Area



# Responsiveness Summary

Slide 18



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**ECOLOGY**  
State of Washington

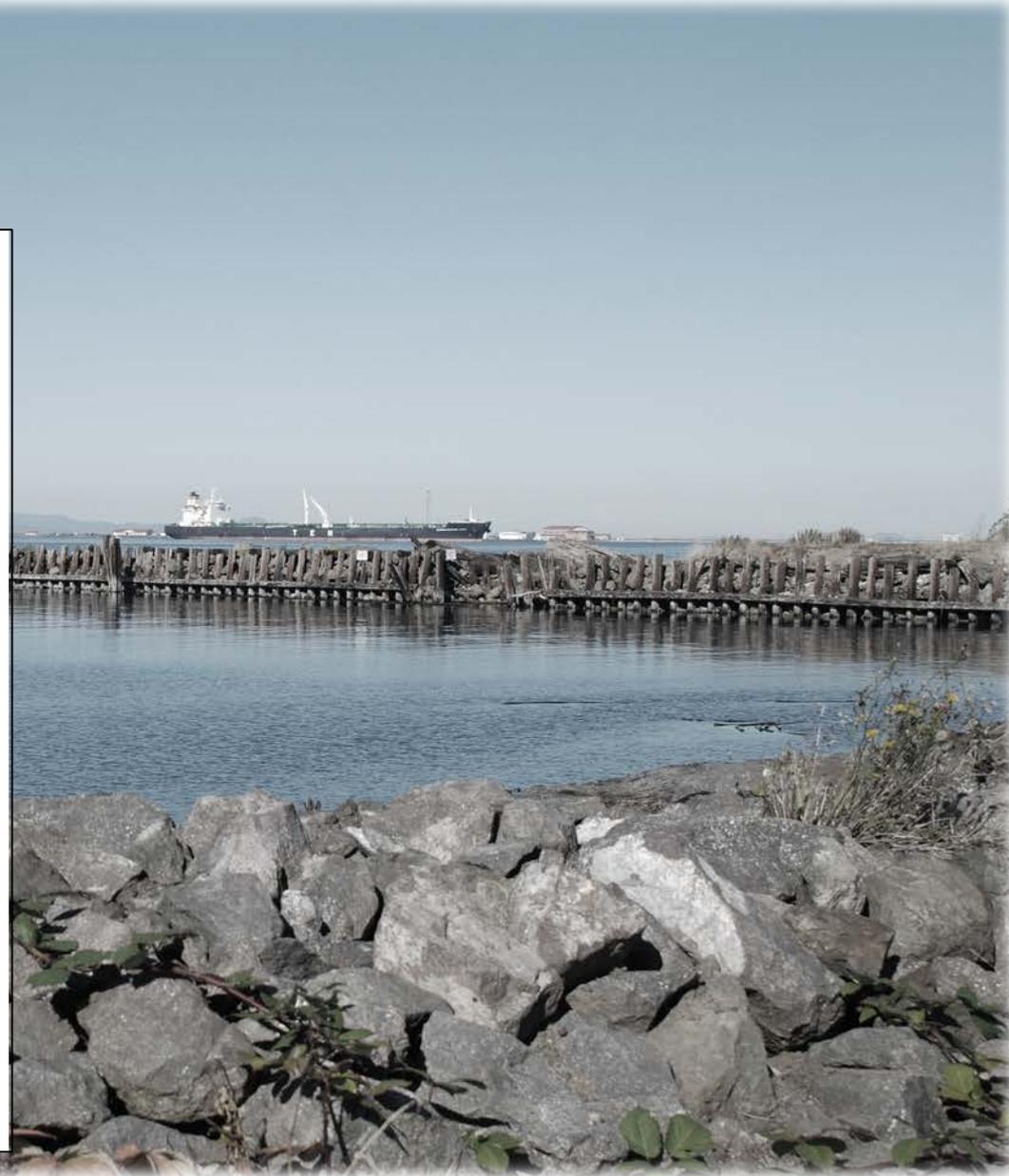
## **Port Angeles Rayonier Mill Site Interim Action Reports Volumes I, II, and III Responsiveness Summary**

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*Ecology's response to public comments*

FSID: 19  
CSID: 2270

January 2021



# Comment themes

- Cleanup is taking too long
- Strong push for future uses of property
- Support for full removal of contamination
  - Most permanent
  - Minimize long-term maintenance
  - Supports possible future uses
- Support removal of the dock and jetty and restoration of Ennis Creek

# Key responses

- All options allow for future uses of the property.
- All options are protective of people and environment.
- Capping contaminated soil is protective and we would ensure its integrity by monitoring and conducting periodic reviews every 5 years.



# Next Steps

Slide 21

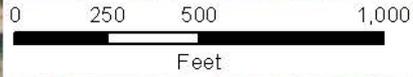
- **Rayonier revise Volumes I, II, III**
  - Revise scores for public opinion in the Disproportionate Cost Analysis
- **Draft Interim Action Plan (Volume IV)**
  - Ecology will revise and take out for public comment

**Now considering the proposed selected remedy**

# Integrating cleanup, restoration, and structure removal



- Beach
- Intertidal
- Open Space
- City Purchase Area
- Pipeline Easement
- Trail Easement



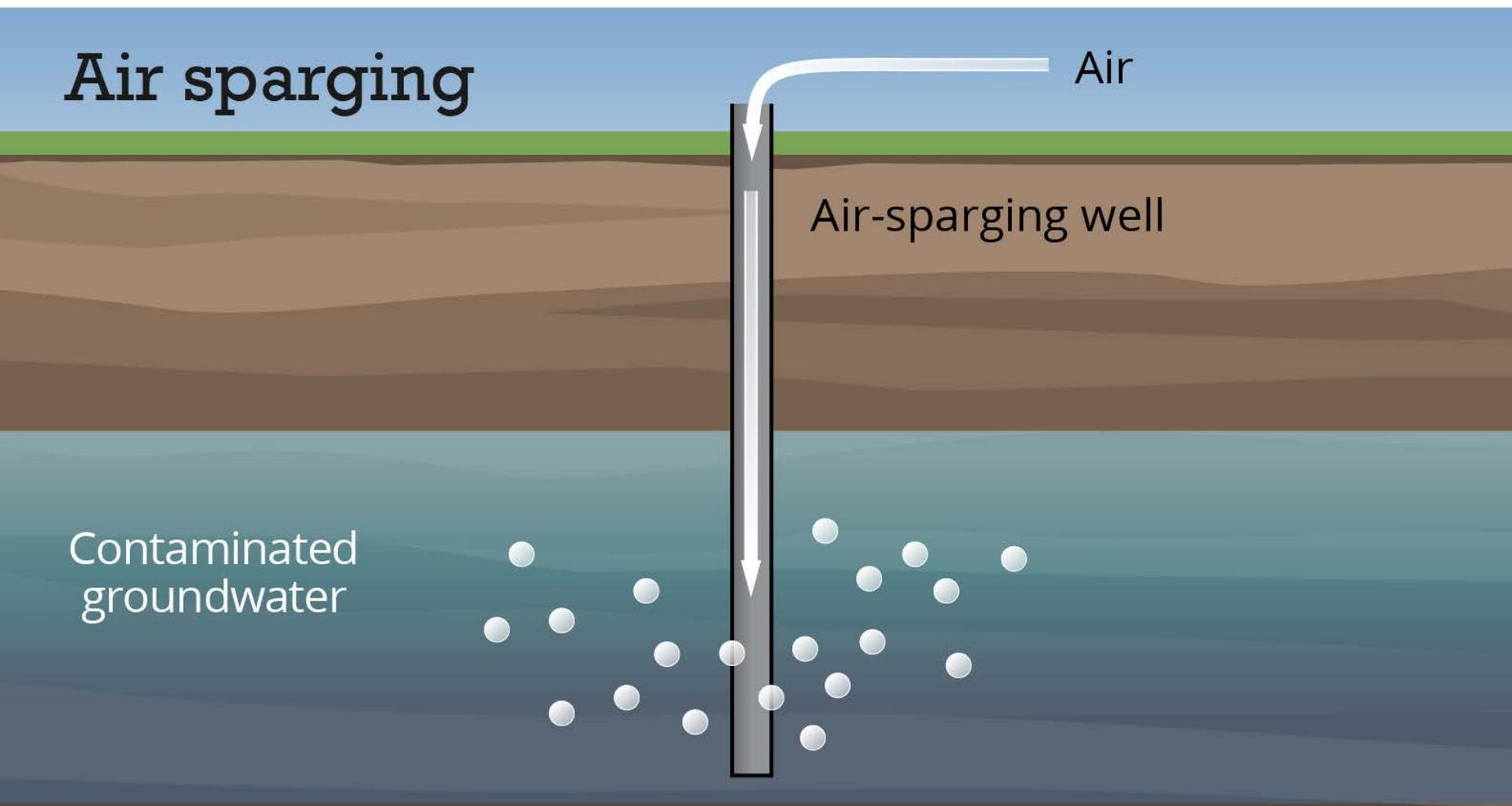
Data sources: 0.5-foot 2016 imagery from DigitalGlobe and ESRI City of Port Angeles, Rayonter

Disclaimer: The locations of all features shown are approximate.

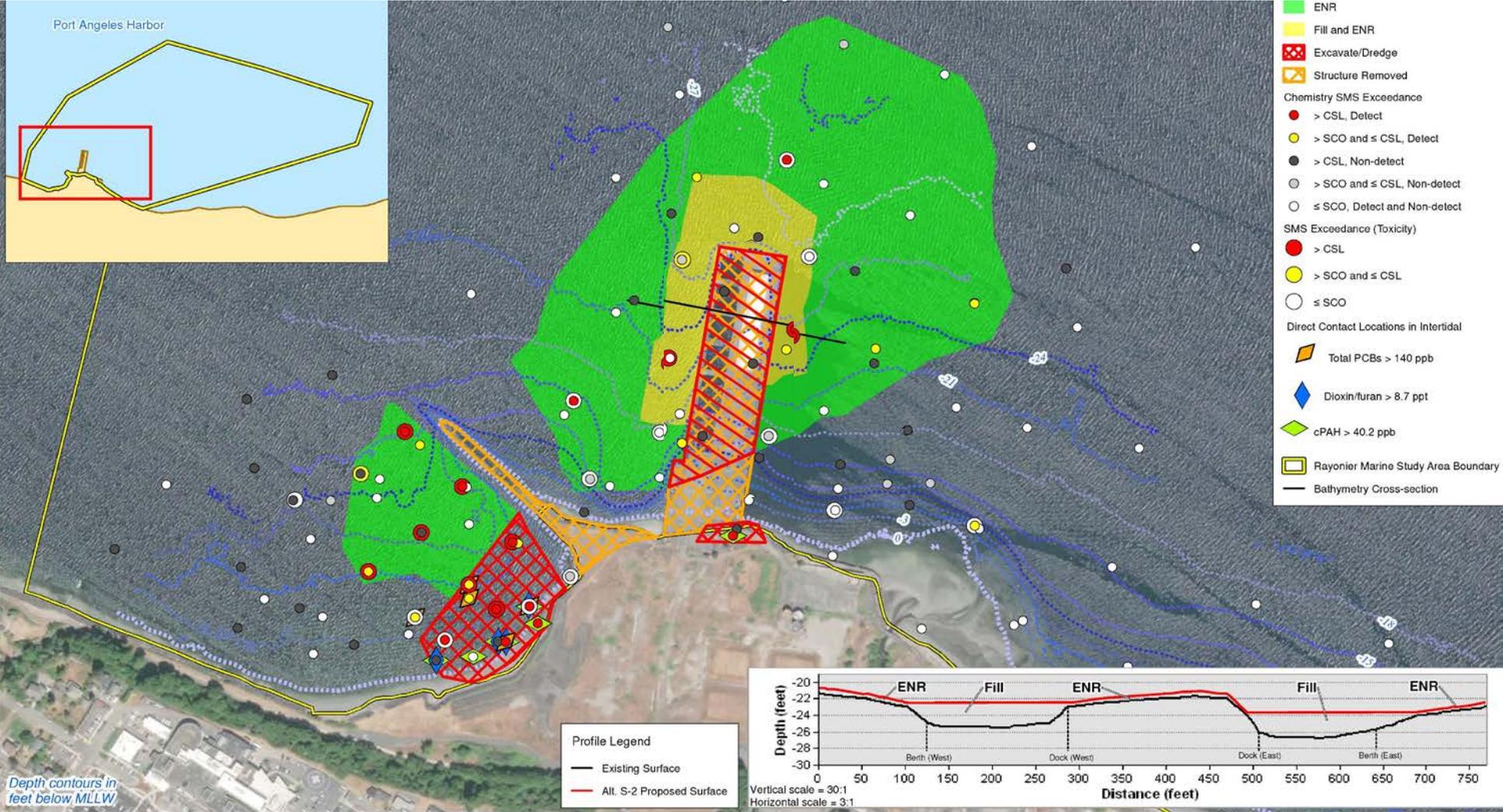
Preliminary - Not For Construction



# Proposed Groundwater Remedy – Air Sparging



# Proposed Sediment Remedy



# Proposed Selected Remedy

Alternatives		Cost
Sediment 2 (modified)	<i>Dredge intertidal portion of log pond; dredge under the dock; fill berth; ENR</i>	\$10.9M
Soil 3	<i>Consolidate and cap all soil that exceeds the unrestricted use cleanup level</i>	\$10.0M
Groundwater 1	<i>Air sparging in phased approach</i>	\$ 5.7M
	At least 7 years      Total	\$26.6M

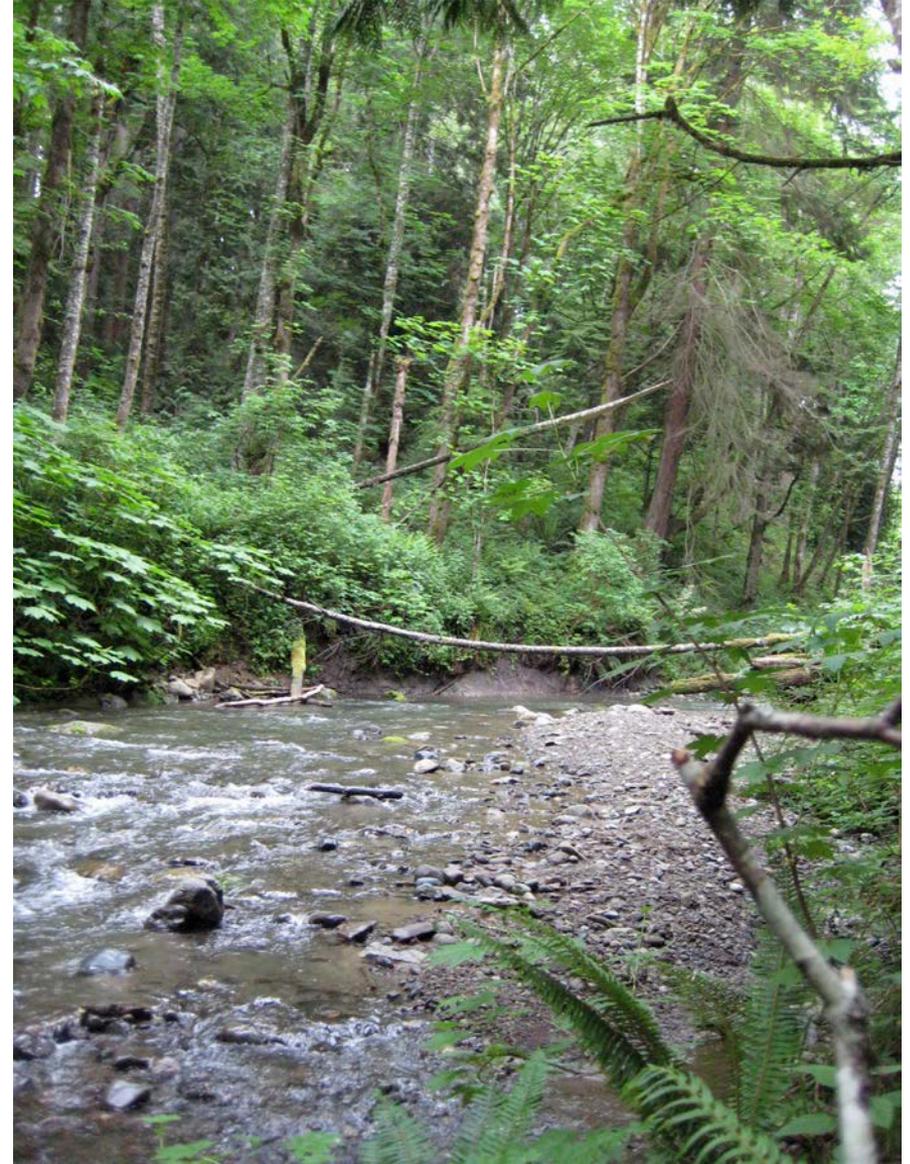
# Dock, Jetty and Shoreline



# Recent Fire and Safety Actions



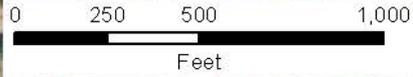
# Ennis Creek restoration



# Integrating cleanup, restoration, and structure removal



- Beach
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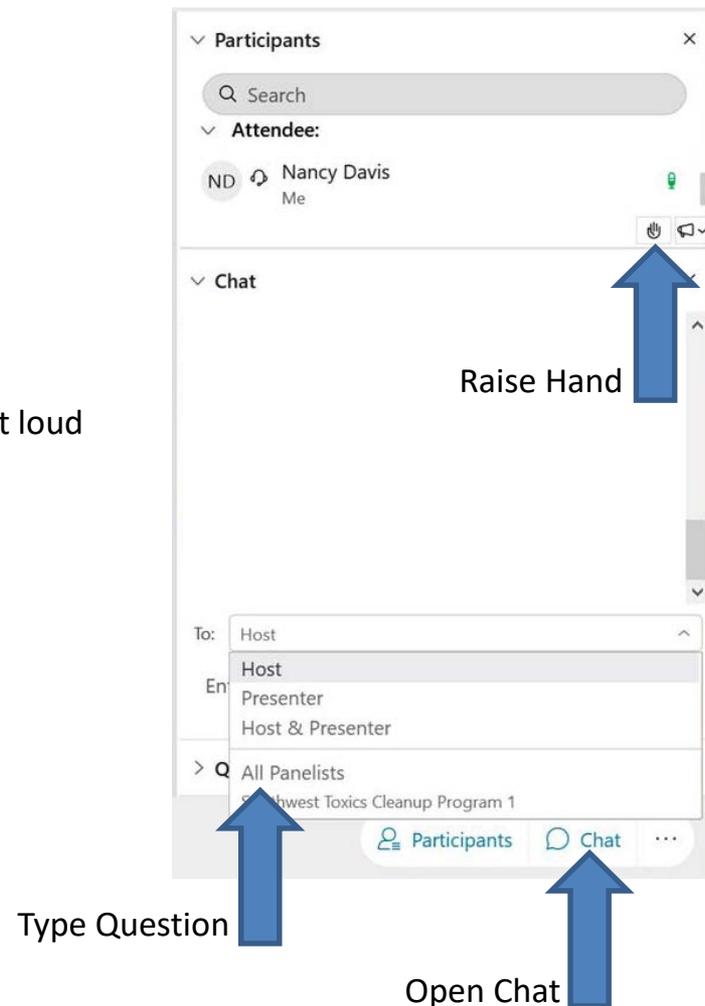
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# Thank you for attending!

## Rayonier Mill

Marian Abbett

Site Manager

[Marian.Abbett@ecy.wa.gov](mailto:Marian.Abbett@ecy.wa.gov)

Rayonier Mill Responsiveness Summary  
and other electronic documents available

Ecology's Rayonier Mill webpage:

<http://www.ecology.wa.gov/Rayonier>

## Western Harbor

Connie Groven

Site Manager

[Connie.Groven@ecy.wa.gov](mailto:Connie.Groven@ecy.wa.gov)

Western Harbor electronic documents available

Ecology's Western Harbor webpage:

[https://fortress.wa.gov/ecy/gsp/sitepage.aspx?  
csid=11907](https://fortress.wa.gov/ecy/gsp/sitepage.aspx?csid=11907)

Nancy Davis

Outreach Specialist

[Nancy.Davis@ecy.wa.gov](mailto:Nancy.Davis@ecy.wa.gov)

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