Port Angeles Rayonier Mill Public Meeting

Port Angeles Senior Center

February 10, 2010

DEPARTMENT OF ECOLOGY
State of Washington

Ecology Staff

- Technical Staff
  - Rebecca Lawson – Ecology Section Manager
  - Marian Abbett – Rayonier Project Manager
  - Connie Groven – Off-Property Soil Dioxin Study and Harbor Sediments Project Manager

- Outreach Staff
  - Hannah Aoyagi – Outreach and education
  - Kim Schmanke - Communications

Purpose of this meeting…

- Provide an update on Toxics Cleanup Program activities in Port Angeles
- Provide background on the Rayonier Mill cleanup
- Explain the new Agreed Order
- Share next steps

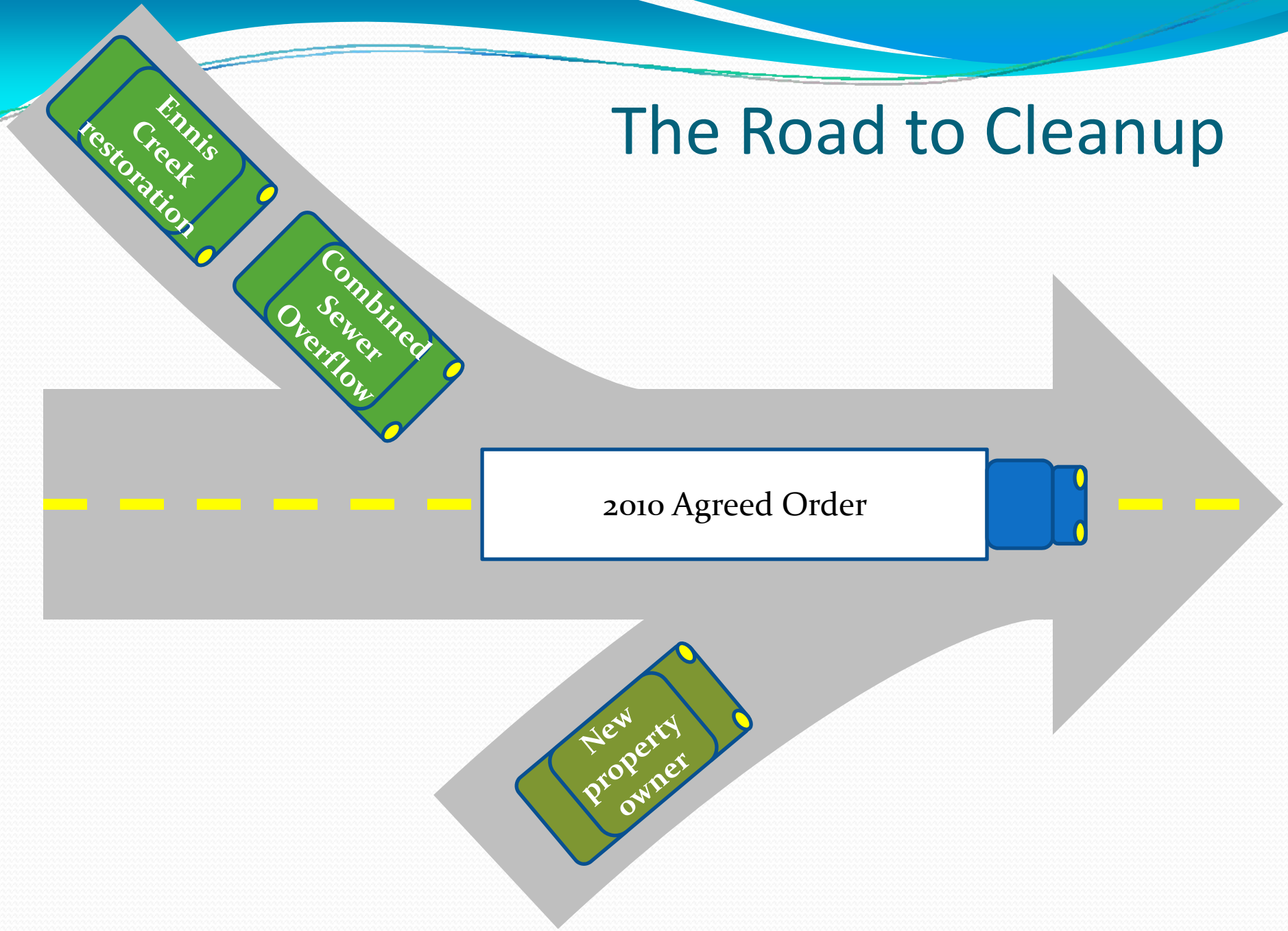
- Listen to public questions
- Gather written comments on the Agreed Order

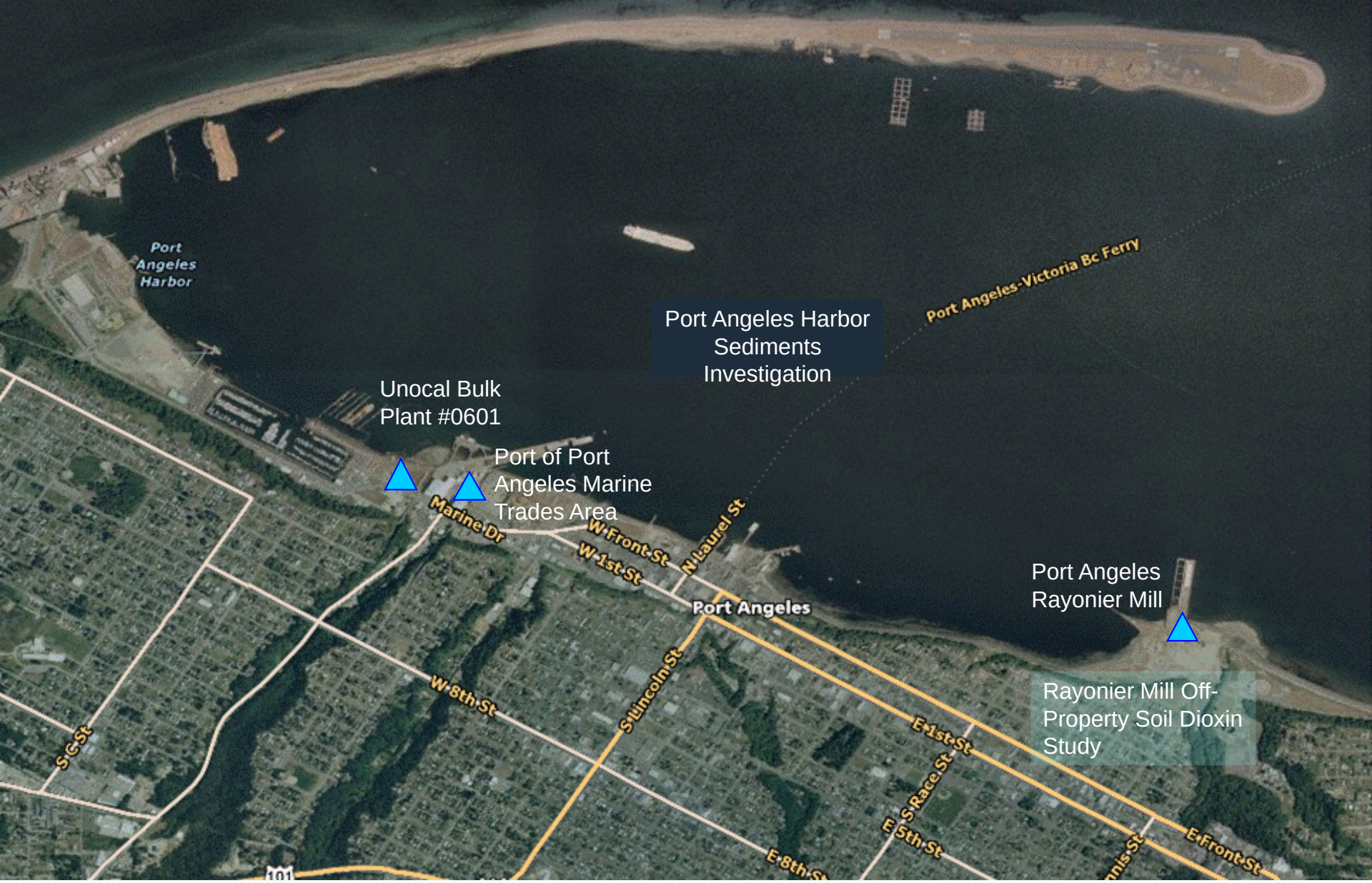
Key Issues

- Length of time to cleanup
  - Mill shut down in 1997
  - Ecology managed cleanup since 2000
  - New Agreed Order allows 3 years to plan partial cleanup

- Extent of contamination and ensuring final cleanup
- Future uses of the site

The Road to Cleanup





Ecology work in Port Angeles

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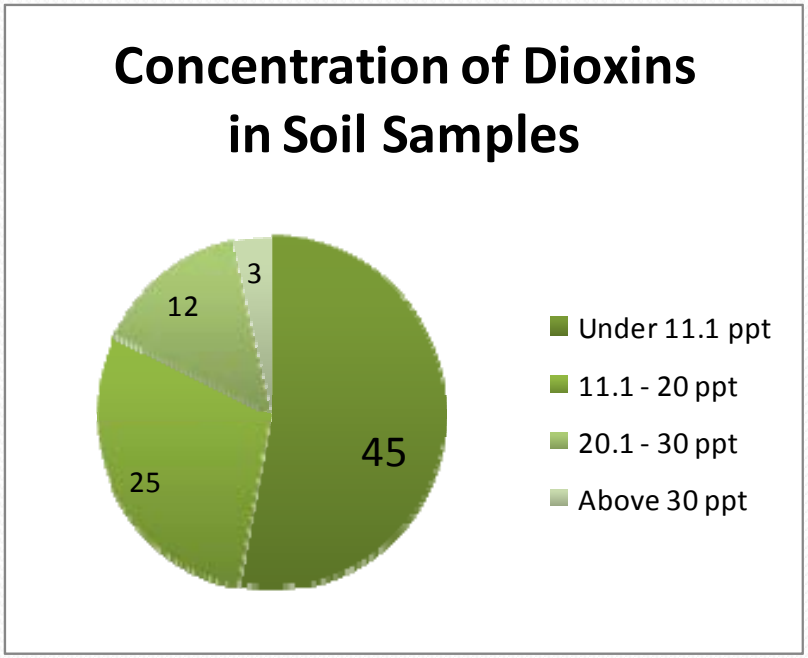
Harbor Sediments Investigation

- Work in progress over the past year:
  - Sediment transport analysis
  - Sediment core sample analysis and validation
  - Tissue sample analysis and validation
  - "Fingerprinting" analysis
  - Human health and ecological risk assessments

- Draft Sediment Investigation Report – spring 2010

Rayonier Mill Off-Property Soil Dioxin Study

- February 2009 preliminary results release
- Awaiting pattern analysis
- Draft report – early 2010



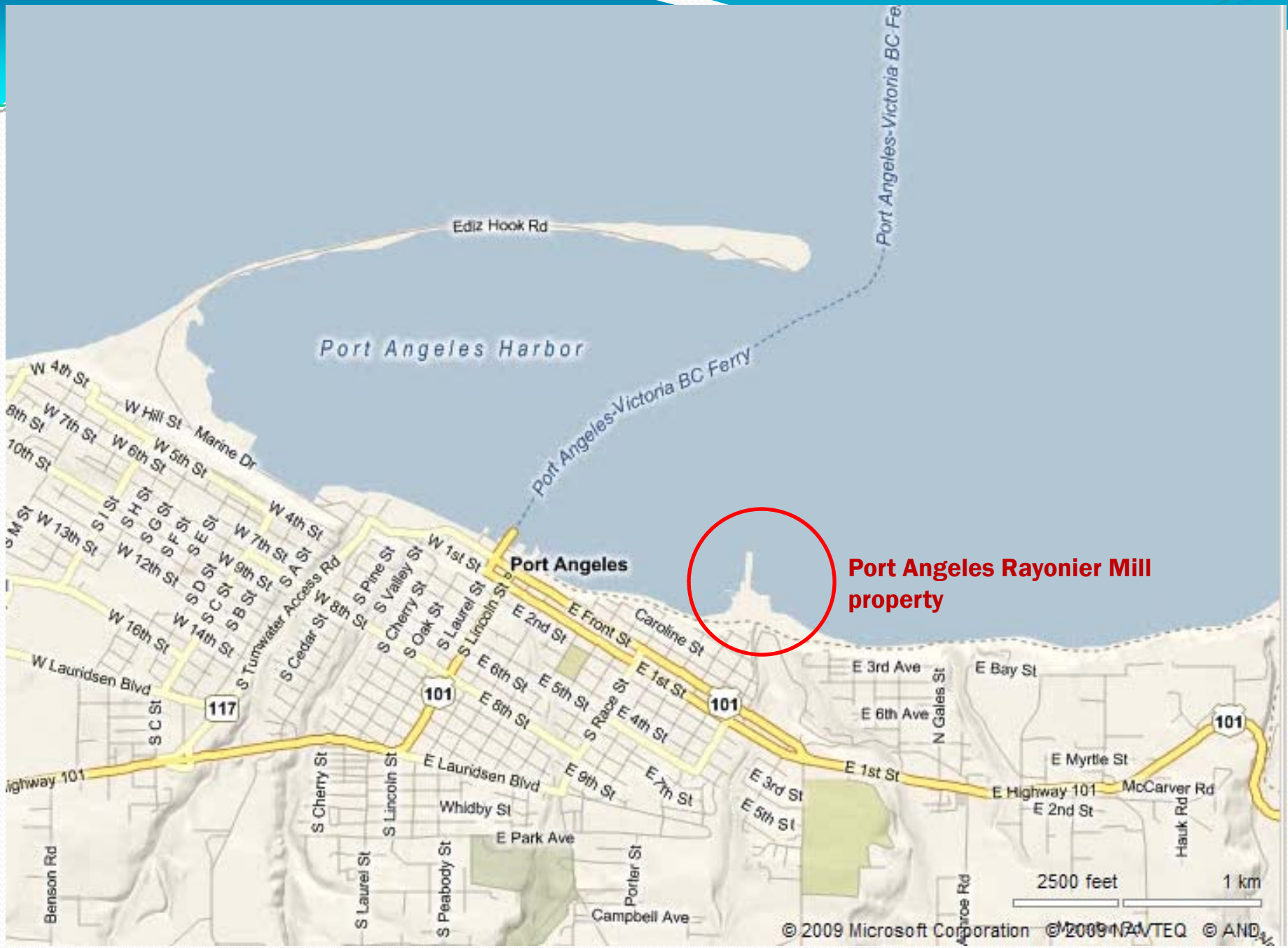
Supporting Local Governments

- Interagency agreements with City of Port Angeles
  - 2007 Visioning for redevelopment of Rayonier property ($50,000)
  - 2009 Visioning for harbor development & CSO realignment ($230,000)

- Port Angeles Harbor-Works Development Authority
  - Integrated Planning Grant – due diligence work ($200,000)

Port Angeles Rayonier Mill

Site Background


Port Angeles Rayonier Mill property
Port Angeles Harbor
Port Angeles-Victoria BC Ferry
Port Angeles-Victoria BC Fe
Ediz Hook Rd
Port Angeles
W 4th St
W Hill St
Marine Dr
W 7th St
W 6th St
W 5th St
W 4th St
W 7th St
W 9th St
W 13th St
W 12th St
W 16th St
W 14th St
W Lauridsen Blvd
S Turnwater Access Rd
S Cedar St
W 8th St
S Pine St
S Valley St
S Cherry St
S Oak St
S Laurel St
S Lincoln St
W 1st St
E 2nd St
E Front St
Caroline St
E 1st St
E 6th St
E 5th St
E 8th St
S Race St
E 4th St
E 9th St
E 7th St
E 3rd St
E 5th St
E 3rd Ave
E 6th Ave
E Bay St
N Gales St
E Myrtle St
E Highway 101
E 2nd St
McCarver Rd
Hauk Rd
E Lauridsen Blvd
Whidby St
E Park Ave
Campbell Ave
Porter St
S Peabody St
S Laurel St
S Cherry St
S Lincoln St
Benson Rd
S C St
117
101
2500 feet
1 km
© 2009 Microsoft Corporation © 2009 NAVTEQ © AND

History of the property

- Formerly a Klallam settlement
- Cultural significance for several tribes in the region

- Since 1887, uses included sawmills and a pulp mill
- Rayonier-operated sulfite process pulp mill (1930-1997)

Cleanup history

1992
Enforcement Order

1997
Mill closes, EPA begins Expanded Site Investigation

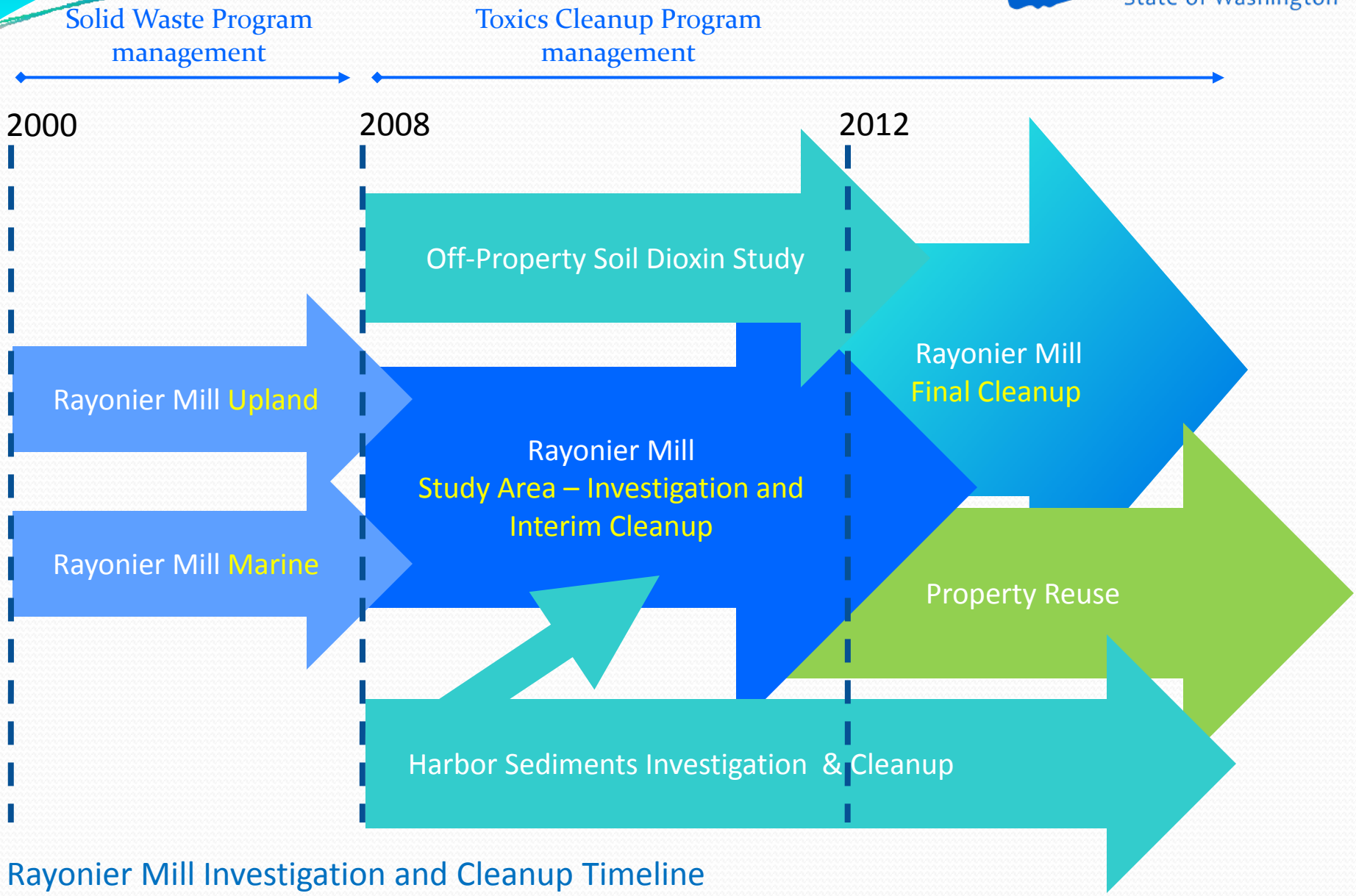
1999
Lower Elwha Klallam Tribe concurrence agreement

2000
EPA defers to WA for cleanup oversight

2002
Agreed Order requires marine investigation by Rayonier

2004
Agreed Order requires upland investigation and feasibility study for whole site

Interim Actions (1992-2006)



Rayonier Mill Investigation and Cleanup Timeline

StudyArea boundary

Port Angeles Rayonier Mill Study Area

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Why focus on the Study Area?

- An area where Ecology and Rayonier agree to move forward with cleanup.
- Rayonier did not gather enough data to adequately characterize the marine environment.
- Rayonier did not collect data in upland areas outside of the property boundary.

2010 Agreed Order

A new path forward

Rayonier Mill History

- Pulp mill operated from 1930 to 1997
- Mill activities contaminated sediment, soil, and groundwater
- Formal cleanup under the Model Toxics Control Act begins in 2000

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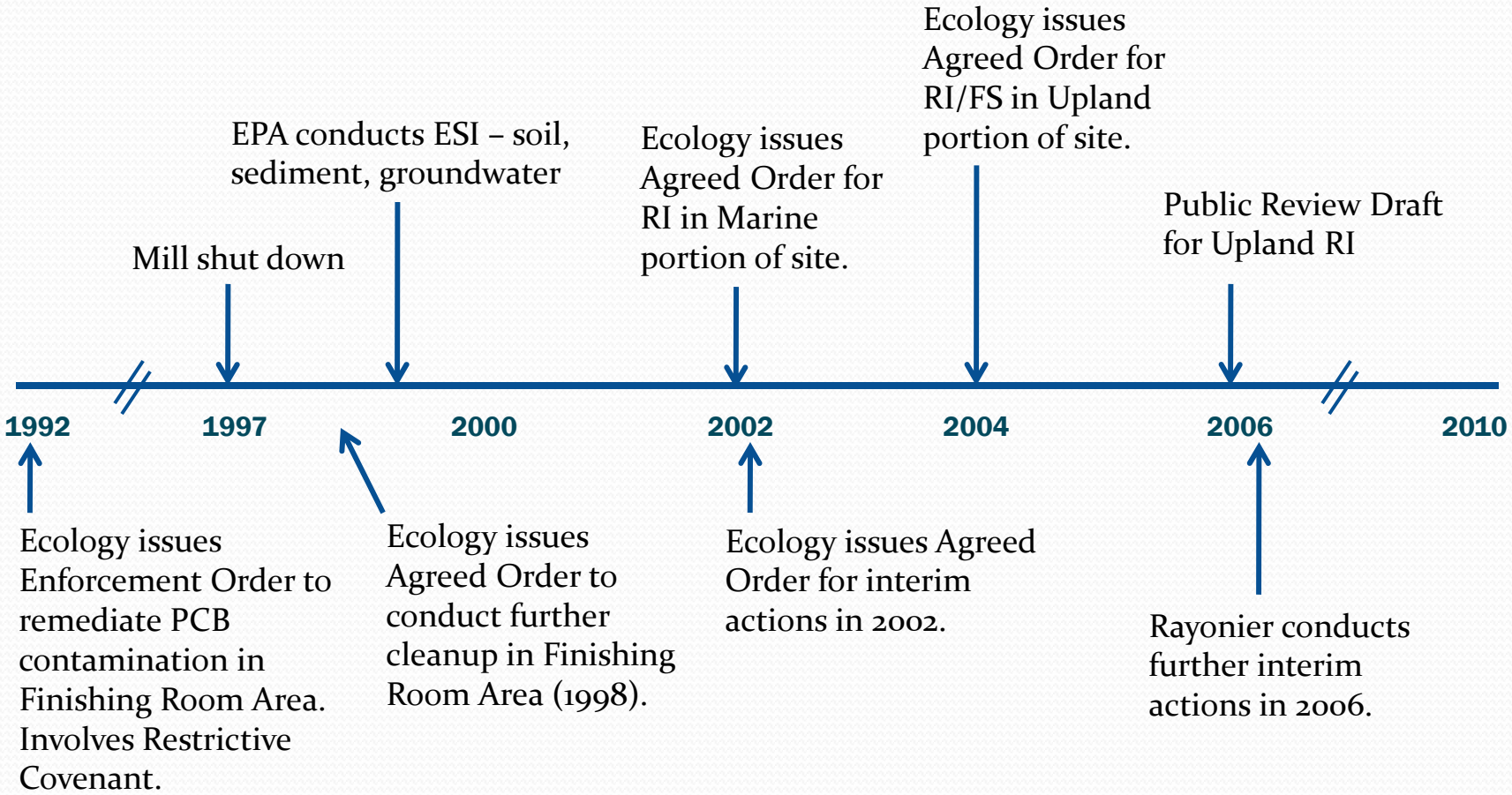
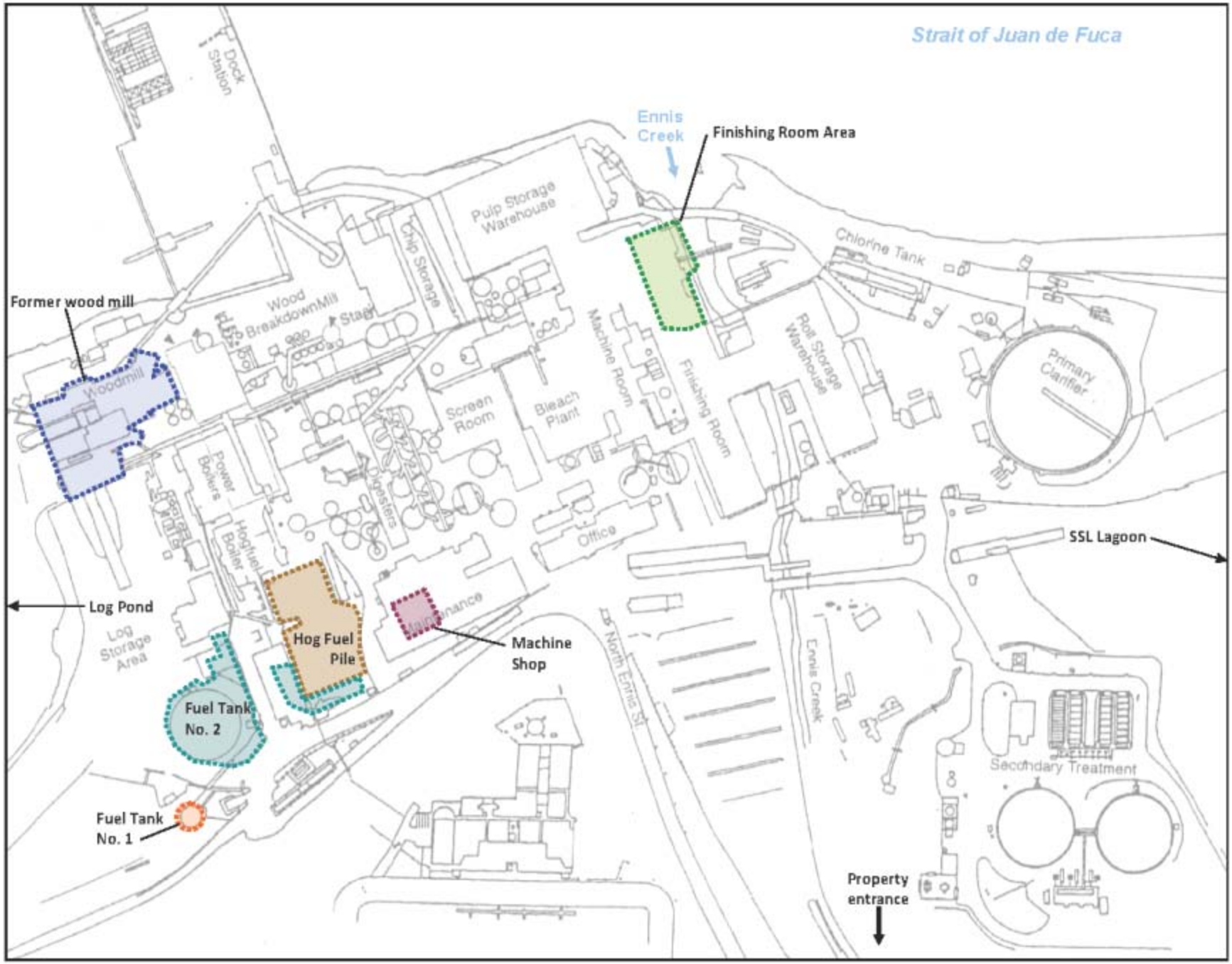
Investigation History



Interim Action History


Strait of Juan de Fuca
Ennis Creek
Finishing Room Area
Former wood mill
Woodmill
Dock Station
Wood Breakdown Mill
Stage
Chip Storage
Pulp Storage Warehouse
Chlorine Tank
Machine Room
Finishing Room
Roll Storage Warehouse
Primary Clarifier
Screen Room
Bleach Plant
Power Boilers
Hogfuel Boiler
Digesters
Office
SSL Lagoon
Log Pond
Log Storage Area
Hog Fuel Pile
Maintenance
Machine Shop
North Ennis St
Ennis Creek
Fuel Tank No. 2
Fuel Tank No. 1
Secondary Treatment
Property entrance

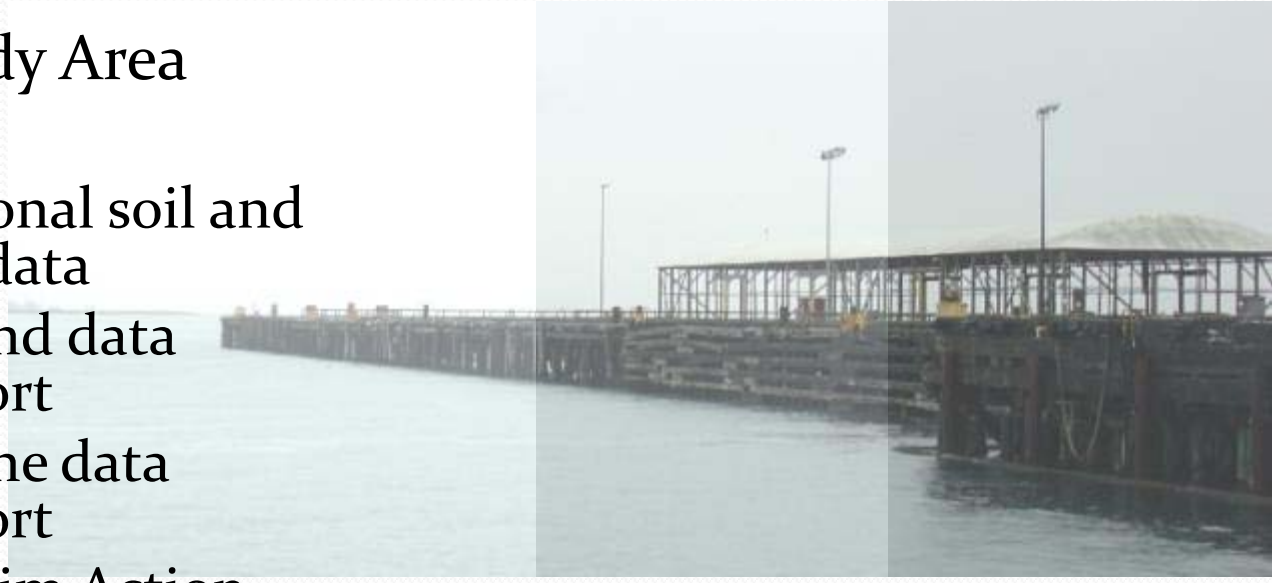
Ennis Creek soil removal (year)

1992 Restrictive Covenant

- 1992 Enforcement Order: cleanup of the Finishing Room area along Ennis Creek
- Restrictions placed on use of the property
- No longer needed under current cleanup approach

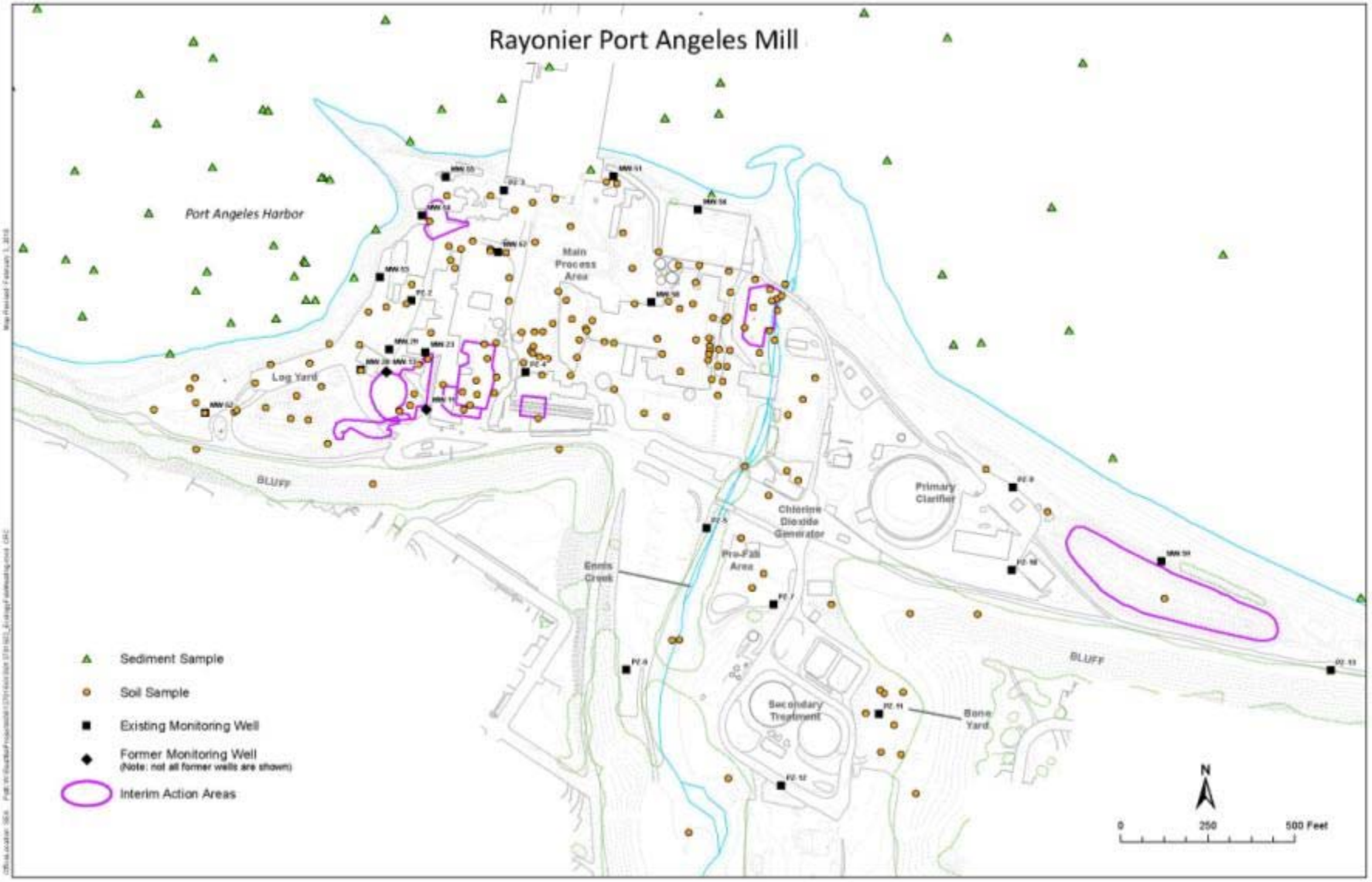
- *Public comment period includes a proposal to remove it*

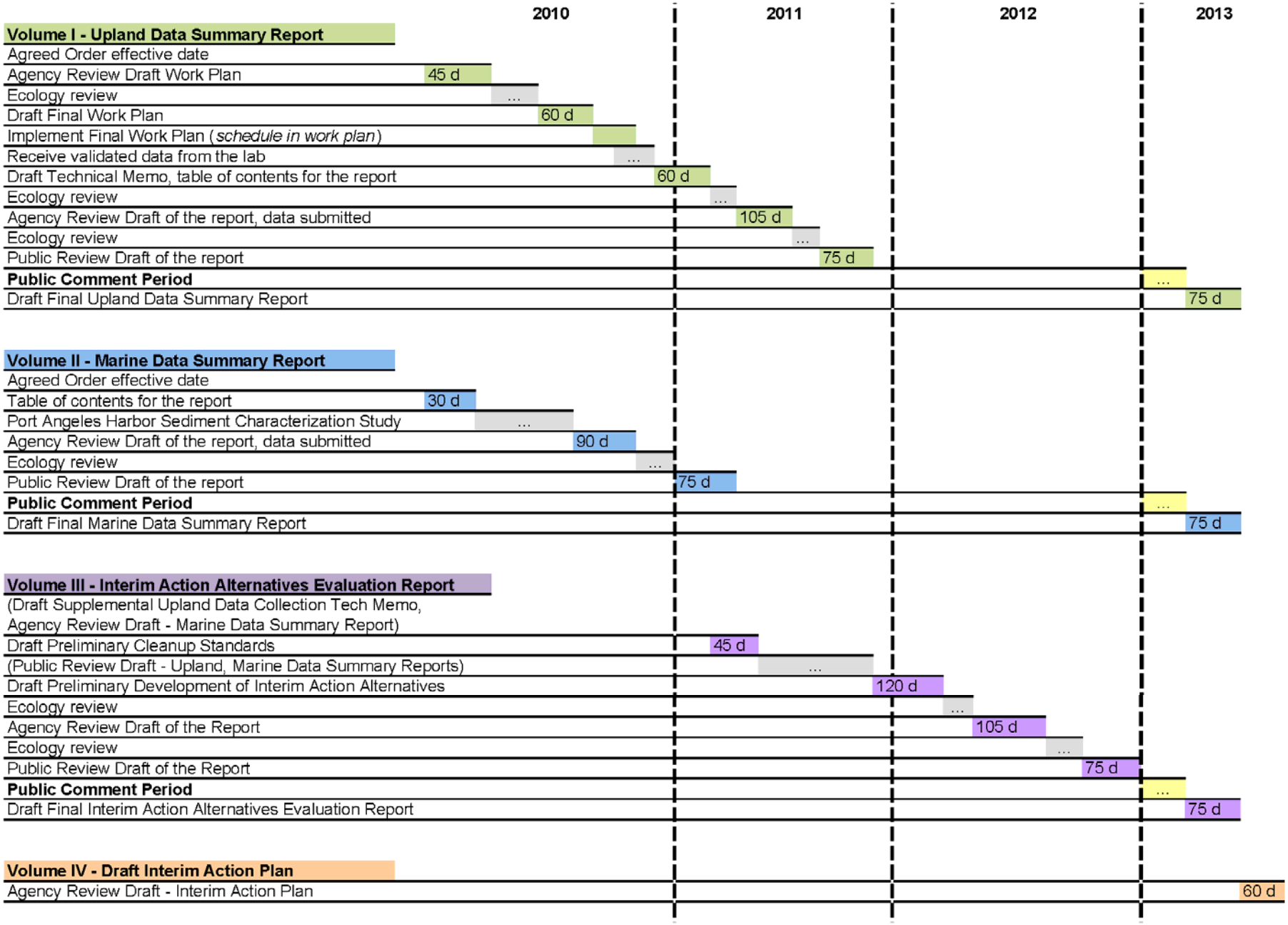
Agreed Order Highlights



- Focus on the Study Area
- Tasks
  1. Collect additional soil and groundwater data
  2. Produce Upland data summary report
  3. Produce Marine data summary report
  4. Evaluate Interim Action alternatives
  5. Develop an Interim Action Plan
- Enforceable schedule over 3 years

Previous Sampling




2010
2011
2012
2013
Volume I - Upland Data Summary Report
Agreed Order effective date
Agency Review Draft Work Plan
45 d
Ecology review
...
Draft Final Work Plan
60 d
Implement Final Work Plan (schedule in work plan)
Receive validated data from the lab
...
Draft Technical Memo, table of contents for the report
60 d
Ecology review
...
Agency Review Draft of the report, data submitted
105 d
Ecology review
...
Public Review Draft of the report
75 d
Public Comment Period
...
Draft Final Upland Data Summary Report
75 d
Volume II - Marine Data Summary Report
Agreed Order effective date
Table of contents for the report
30 d
Port Angeles Harbor Sediment Characterization Study
...
Agency Review Draft of the report, data submitted
90 d
Ecology review
...
Public Review Draft of the report
75 d
Public Comment Period
...
Draft Final Marine Data Summary Report
75 d
Volume III - Interim Action Alternatives Evaluation Report
(Draft Supplemental Upland Data Collection Tech Memo,
Agency Review Draft - Marine Data Summary Report)
Draft Preliminary Cleanup Standards
45 d
(Public Review Draft - Upland, Marine Data Summary Reports)
...
Draft Preliminary Development of Interim Action Alternatives
120 d
Ecology review
...
Agency Review Draft of the Report
105 d
Ecology review
...
Public Review Draft of the Report
75 d
Public Comment Period
...
Draft Final Interim Action Alternatives Evaluation Report
75 d
Volume IV - Draft Interim Action Plan
Agency Review Draft - Interim Action Plan
60 d

Agreed Order Schedule

- Deadline for each task
- Built in time periods for:
  - Ecology and tribe review
  - Meetings with Rayonier project managers.
  - Public comment
- Tribe is committed to timely review

What does final cleanup look like?

- Must define and address the whole <u>site</u>
- Will require a Remedial Investigation Report for the site
- May require cleanup outside the Study Area

- *Property reuse can happen before final cleanup is complete.*

Comment Period Documents

- Agreed Order
- Updated Public Participation Plan
- 1992 Restrictive Covenant

- Supporting information:
  - Upland Remedial Investigation Responsiveness Summary
  - 1992 Enforcement Order