

Port Angeles Rayonier Mill Agreed Order Amendment

August 29, 2012

Olympic Medical Center

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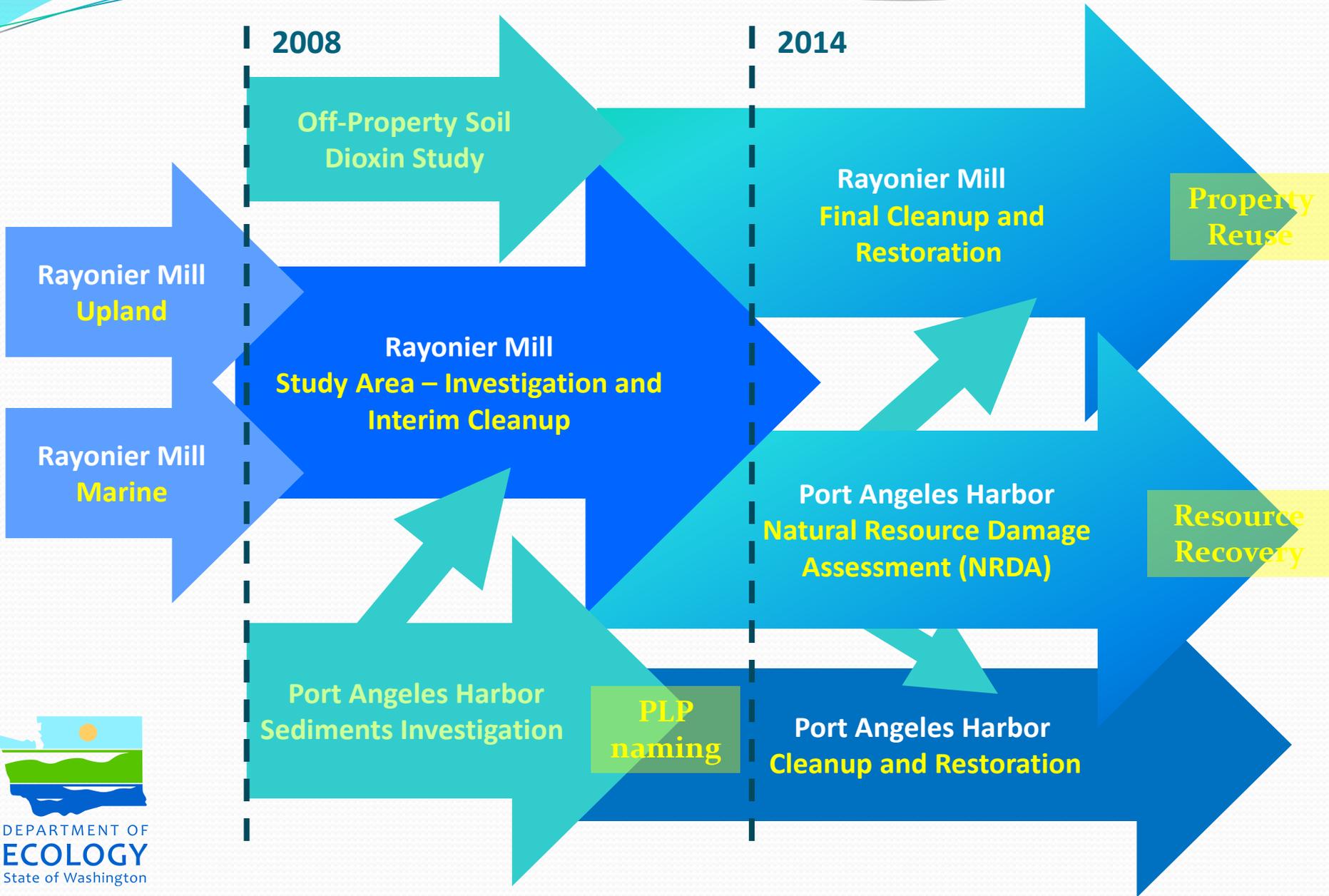
DEPARTMENT OF
ECOLOGY
State of Washington

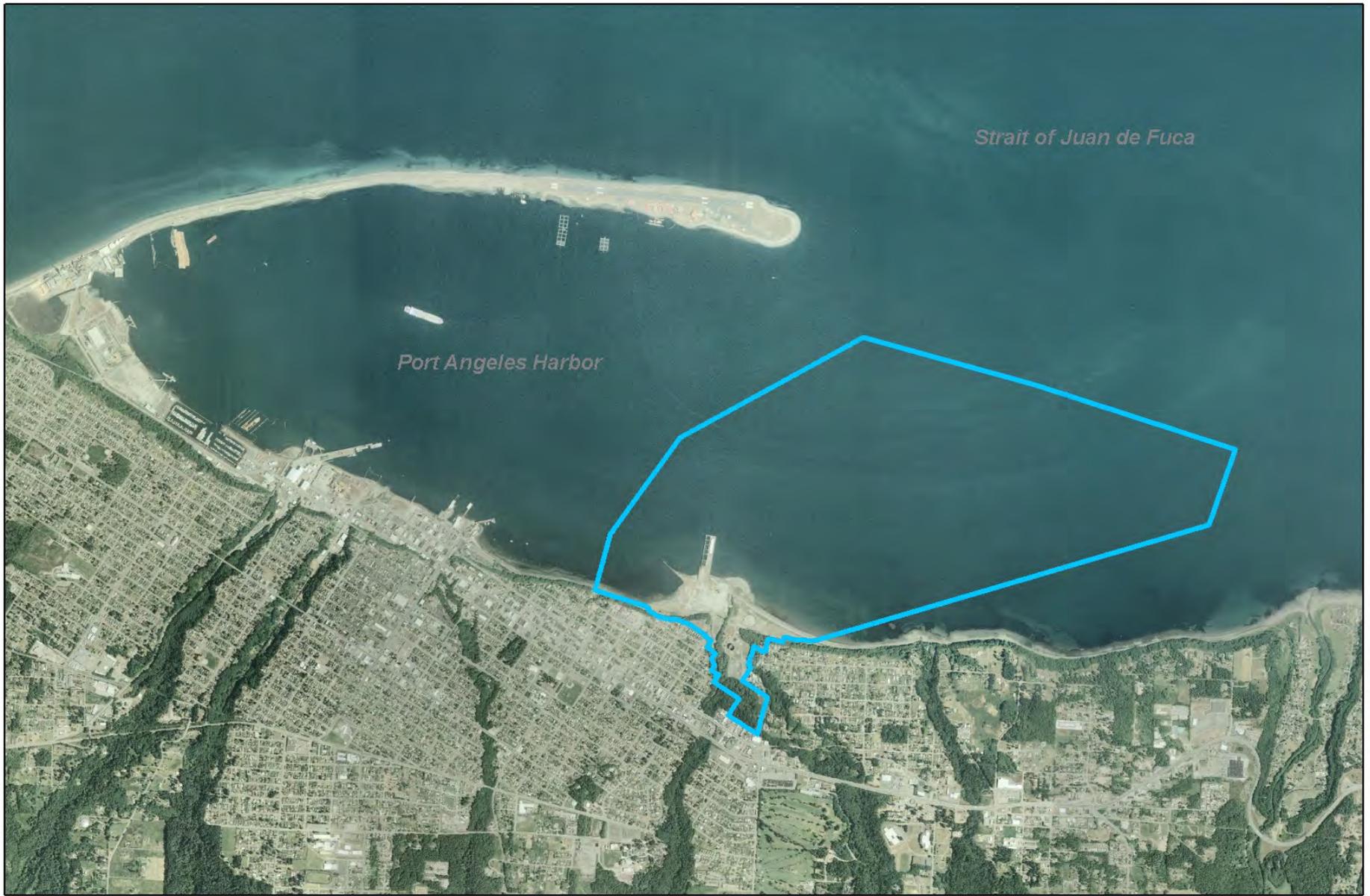
Presentation Outline

- Rayonier Mill investigation & cleanup overview
- Upland data summary report
- Agreed Order Amendment
- What is the CSO project?
- Interim action cleanup work and roles
- Agreed Order Amendment public comment period



Rayonier Mill Investigation & Cleanup Timeline





 Study Area boundary

Port Angeles Rayonier Mill Study Area



Update on Agreed Order Activities

Agreed Order for Study Area

- 2010 Agreed Order requires Rayonier to:
 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
- Rayonier has submitted deliverables on-time

Update on Agreed Order

Upland part of Study Area

- Rayonier completed data collection – 2011
- Produced Technical Memo – June 2011
- Produced draft Upland Data Summary Report – Nov. 2011
- Produced public review draft Upland Report – May 2012

Marine part of Study Area

- Ecology completed marine data gaps work – 2008
- Draft Marine Data Summary Report due 90 days after Sediment Investigation Report is final

Upland Data Summary Report

- Summarizes data collected in 2010 and 2011, along with older data

Media	Contaminants
Surface Soil (0-2 ft)	PAHs, metals, dioxins
Subsurface Soil	Same as surface soil with areas of TPH and PCBs
Groundwater	PAHs, PCBs, dioxins, metals (As, Cr, Cu, Pb, Mn, Hg, Ni)
Surface Water	Metals and dioxins

Agreed Order Amendment

Agreed Order Amendment

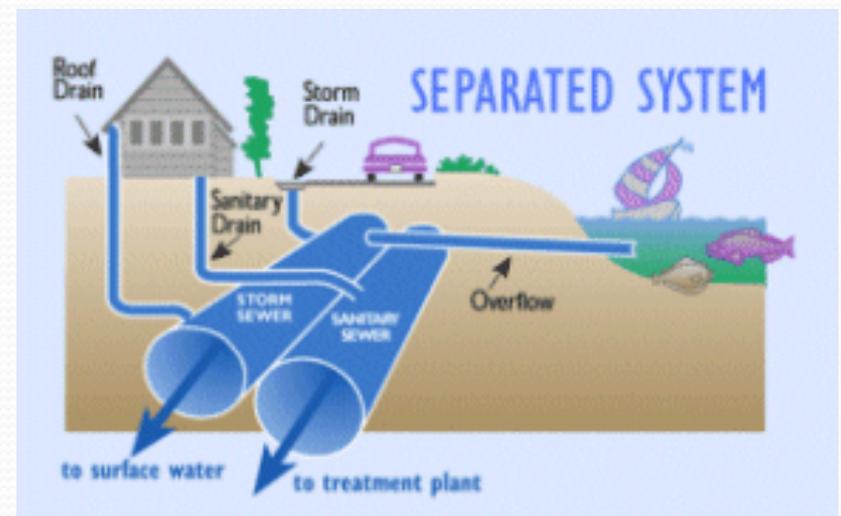
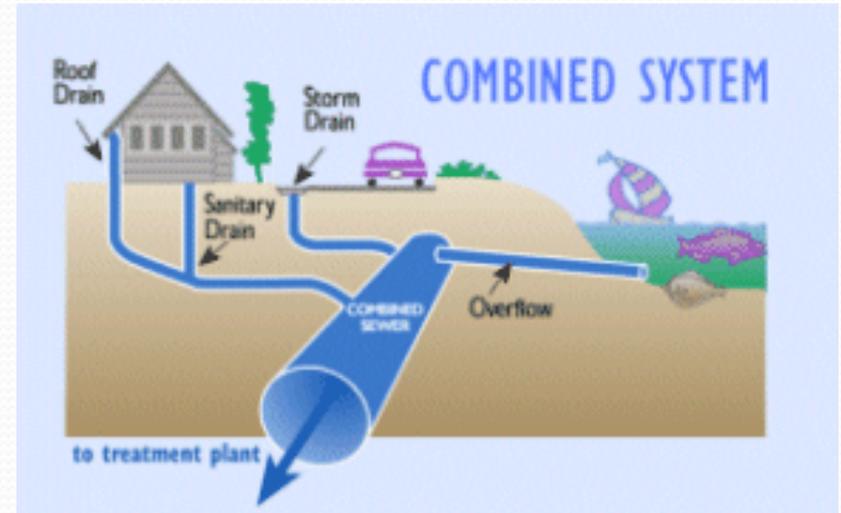
- Comment period Aug. 3 – Sept. 5 for:
 - Agreed Order Amendment
 - Updates original legal agreement
 - Materials Management Plan (MMP)
 - Describes interim action on mill property
 - Describes management of potentially contaminated material

Interim Action

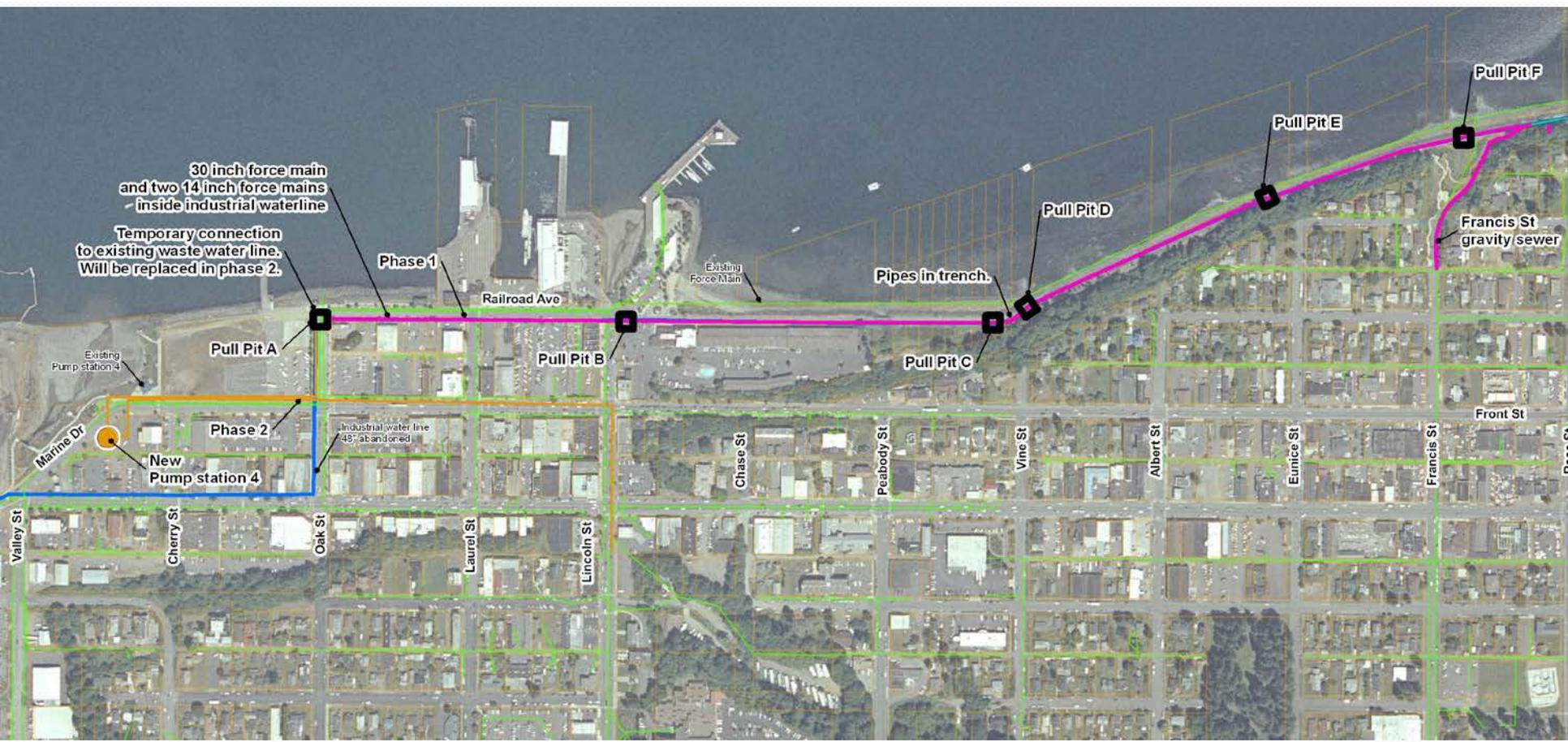
- Address contamination on mill property along the pipeline during the city's combined sewer overflow (CSO) project
- Future cleanup could be more complicated due to CSO project pipe, so take care of now
- Address potential exposure pathways
 - Groundwater
 - Human direct contact
 - Ecological direct contact

What is a CSO?

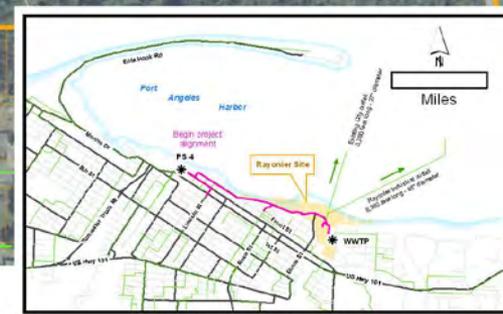
- Combined Sewer - A pipe that carries both sewage and stormwater
- Overflow Points - A relief valve for high flows
- Sewage mixed with stormwater can overflow into the harbor in heavy rain
- Common in older construction



CSO Phase I Project Location



CSO Phase I Project Location



This map is not intended for use as a legal description. Locations of features are approximate only. Topographic map features are +/- 0 feet of actual locations. This drawing is produced by the city of Port Angeles for its own use and purposes. Any other use of this map/drawing shall not be the responsibility of the City.

Vertical Datum = NAVD 88
Horizontal Datum = NAD 83/91

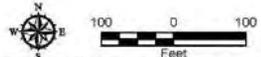


Port Angeles WA - Vicinity Map

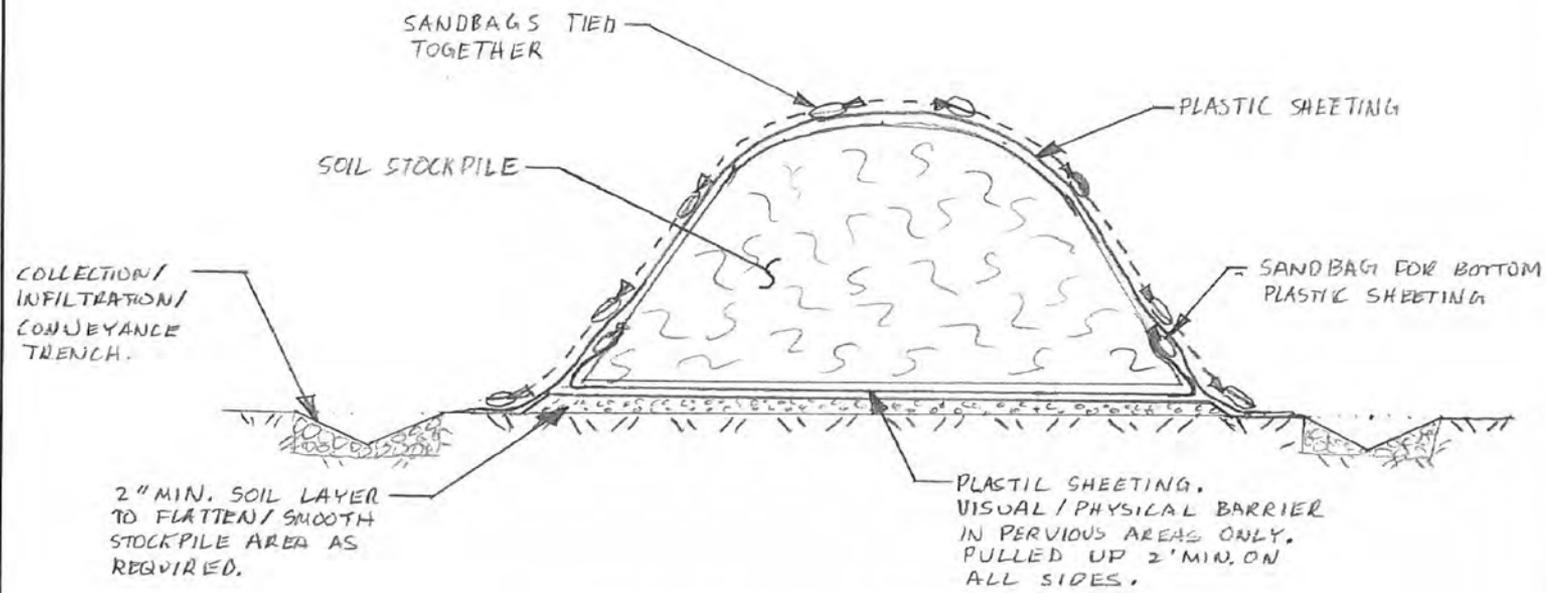
Rayonier Mill Site – CSO Project Area



- | | | | |
|---|---|--------------|---|
| ⊗ | Supplemental Upland Investigation (SUI) Groundwater Grab Sample | 300-C-004 | City Phase I CSO Project Drawing Number |
| ⊗ | SUI Soil Boring | Light Yellow | City Purchase - Lots 1 and 2 |
| ⊕ | SUI Monitoring Well | Stippled | City Easements - Existing and New |
| ■ | Monitoring Well Installed Prior To or After SUI | Green Dotted | Anticipated Soil Types Along CSO Alignment |
| ⊕ | SUI Test Pit | Light Green | Type 1 Soil: 0-2' |
| ⊗ | SUI Pipe Contents Sample | Light Yellow | Type 1 Soil |
| ● | Soil Sample(s) Collected Prior To or After SUI | Yellow | Type 2A Soil |
| ● | CSO Soil Boring (2009) | Light Blue | Type 2B Soil |
| ⊕ | CSO Test Pit | Light Green | Former Interim Action Areas & Materials Removed |
| ⊗ | Previous Geotechnical Boring | Light Green | Finishing Room - 10,150 tons soil (hydraulic oil/PCBs; 1993, 1998, 2002) |
| — | Abandoned Rayonier Pipe | Light Green | Fuel Tank No. 2 - 5,400 tons soil (Bunker C; 1993, 2002) |
| — | CSO Project Phase I Pipe | Light Green | Hog Fuel Pile - 2,700 cy wood residue (diesel & heavy oil; 2001) |
| — | CSO Construction Easement | Light Green | Machine Shop - 970 tons soil (diesel & heavy oil; 2002) |
| ■ | CSO Structures | Light Green | SSL Lagoon - 4,800 tons soil (arsenic; 2001) |
| | | Light Green | Wood Mill & Fuel Tank No.1 - 7,980 tons soil (hydraulic oil & Bunker C; 2006) |



By RLZ Date 4/26 Project Ranchier Properties Inc. Project No. 16042.010.013
 Checked By _____ Date _____ Subject Former Mill Site Sketch Detail Sheet 1 of 1



TYPICAL SOIL STOCKPILE
N.T.S.

Interim Action Work

The city will:

- Excavate soil for the pipeline
- Backfill trenches with clean soil
- Collect and treat stormwater and groundwater from trenches
- Manage construction stormwater and groundwater

Interim Action Work

Rayonier will:

- Observe soil removal
- Stockpile potentially contaminated soil and dried harbor sediments
- Keep soil that may not be contaminated in separate stockpiles
- Test all stockpiled soil before final disposal
- Assist the city with removing visibly-contaminated soil
- Dispose of visibly contaminated soil off-site

What happens next?

Ecology will:

- Review and consider comments.
- Respond to comments in a responsiveness summary.
- Send responsiveness summary to commenters and post it on our website.

Rayonier and the city have begun work during the comment period.

Questions?

How to Comment on the Agreed Order Amendment

- Comment period **August 3 thru September 5, 2012**
- Fill out a comment form tonight
- Send comments to:
 - Marian.Abbett@ecy.wa.gov
 - Marian Abbett
Dept. of Ecology
Toxics Cleanup Program-SWRO
P.O. Box 47775
Olympia, WA 98504-7775

