

Budd Inlet Sediment Site

Olympia, WA

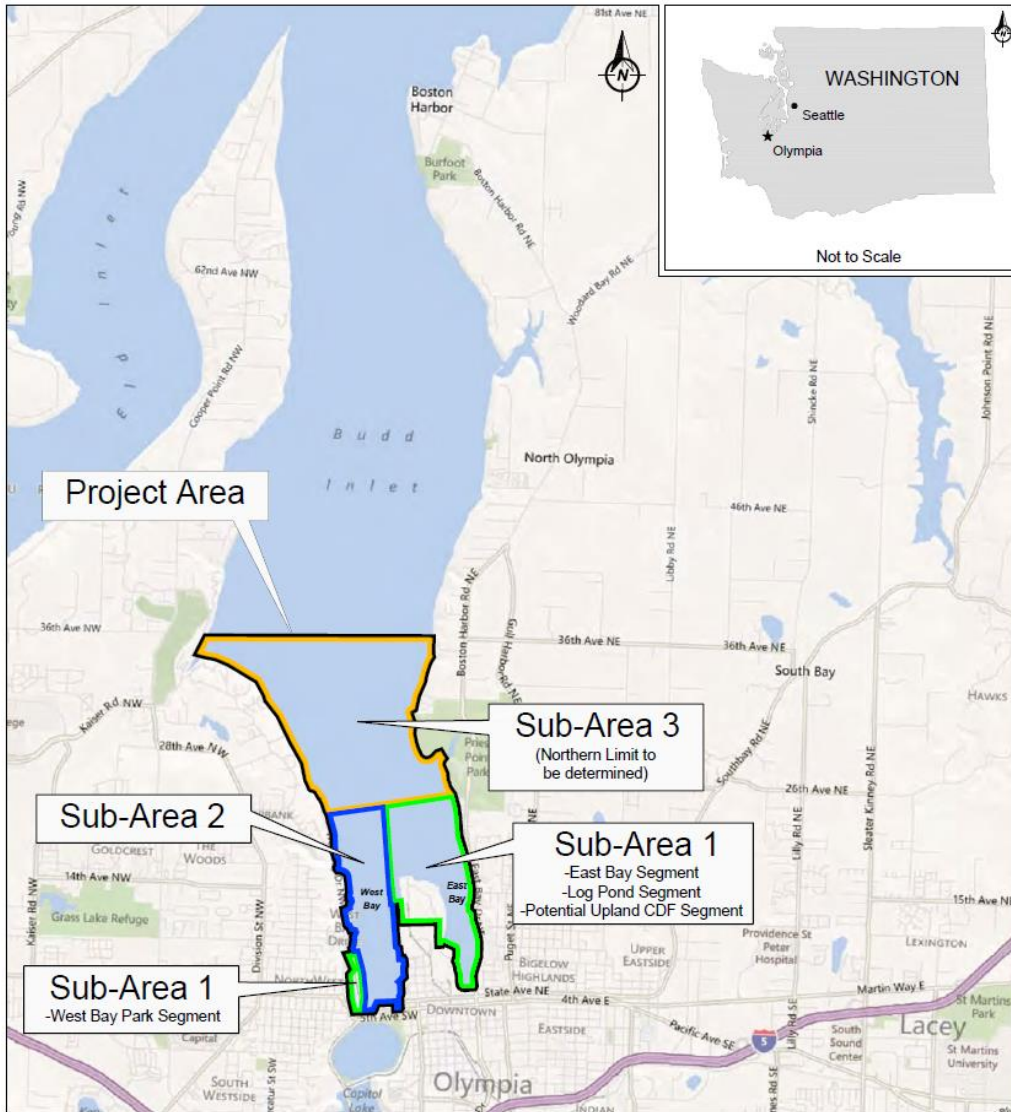
WEDA – Pacific Chapter

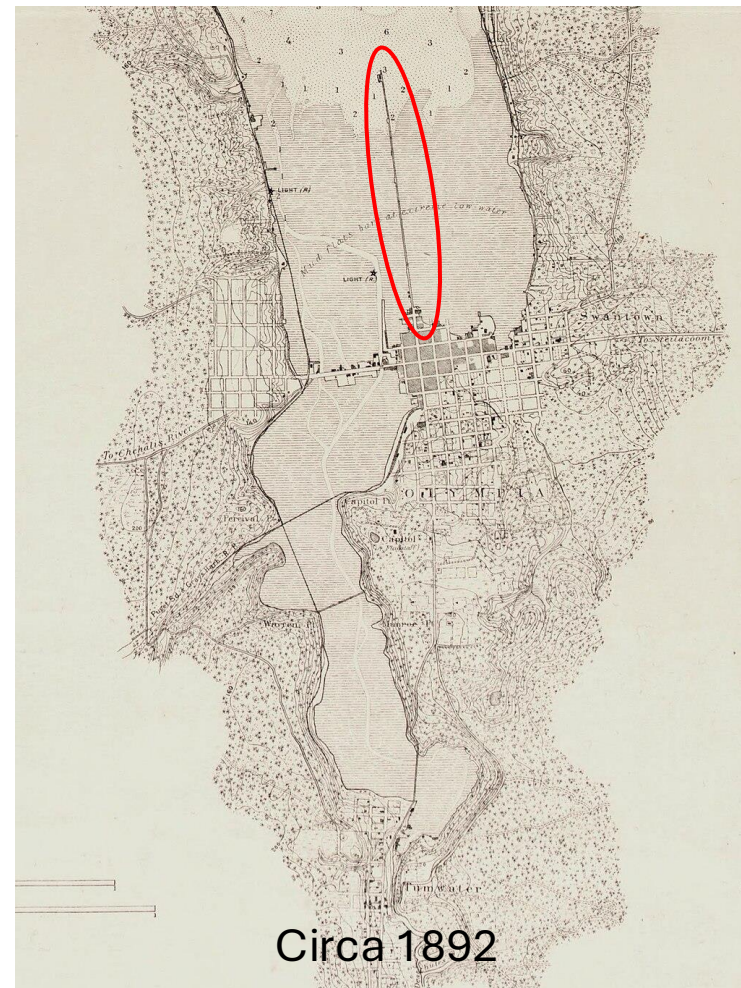
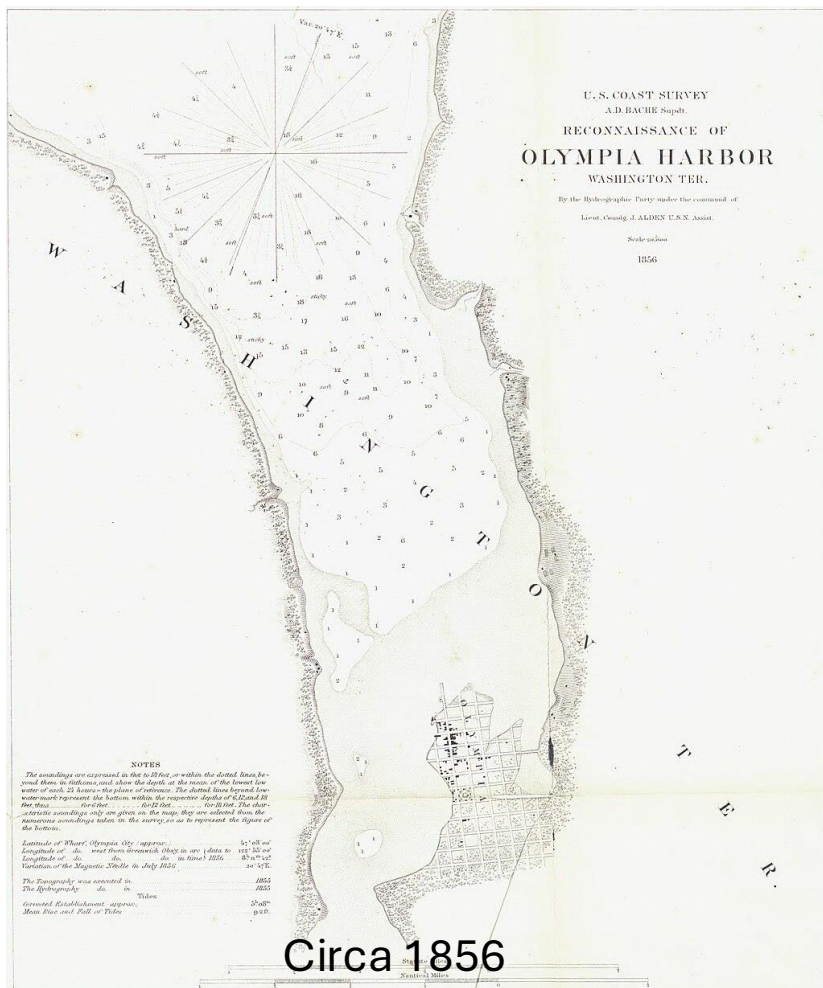
Oahu, Hawaii

October 22, 2025

WHAT WE'LL BE TALKING ABOUT TODAY

- **About Budd Inlet**
- **Contamination**
- **Cleanup + Restoration**
- **Challenges**
- **Next Steps**







Current View of the Port Peninsula





Port Peninsula - 1963



Port Peninsula - 2017



East Bay District - 1972

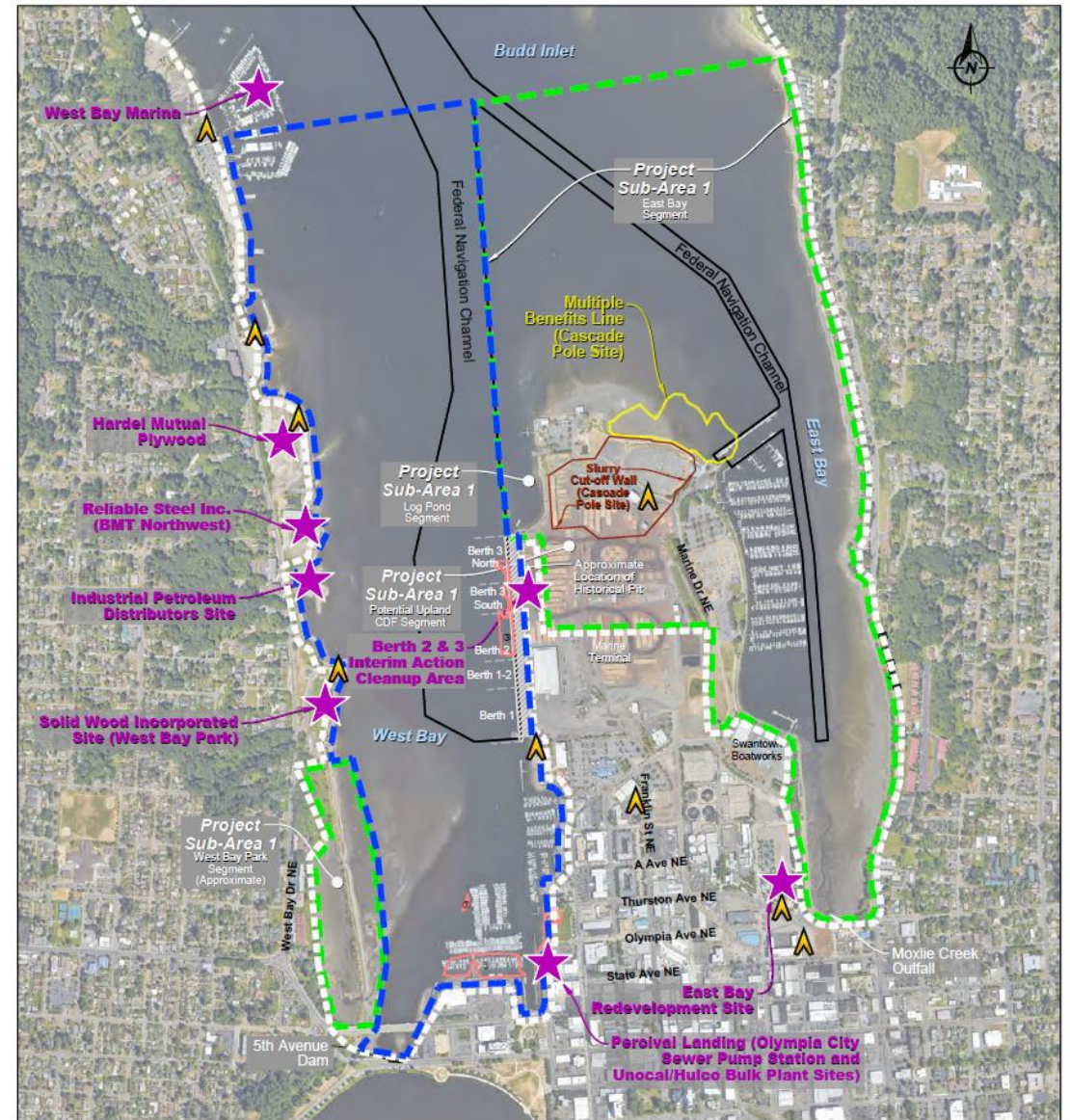


East Bay District - 2017



HISTORICAL CONTAMINATED SITES

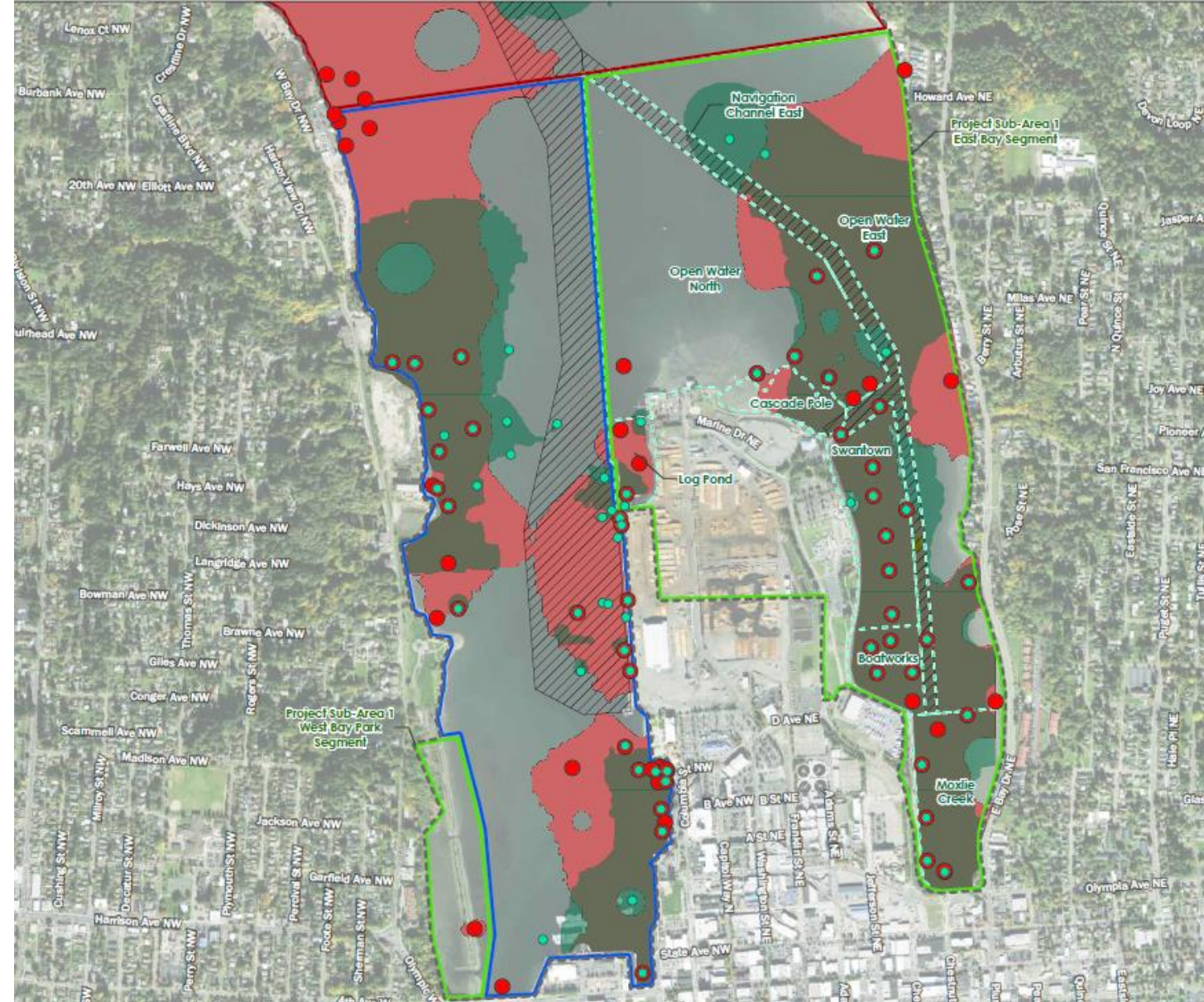
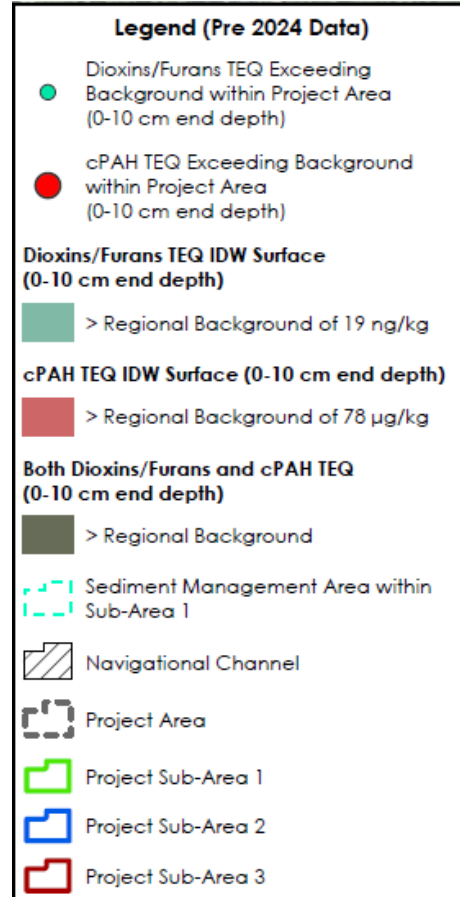
- Multiple Sites on WA Ecology's Contaminated Sites List.
- Wood Burning Sites
- Petroleum Storage Sites



CONTAMINATES OF CONCERN

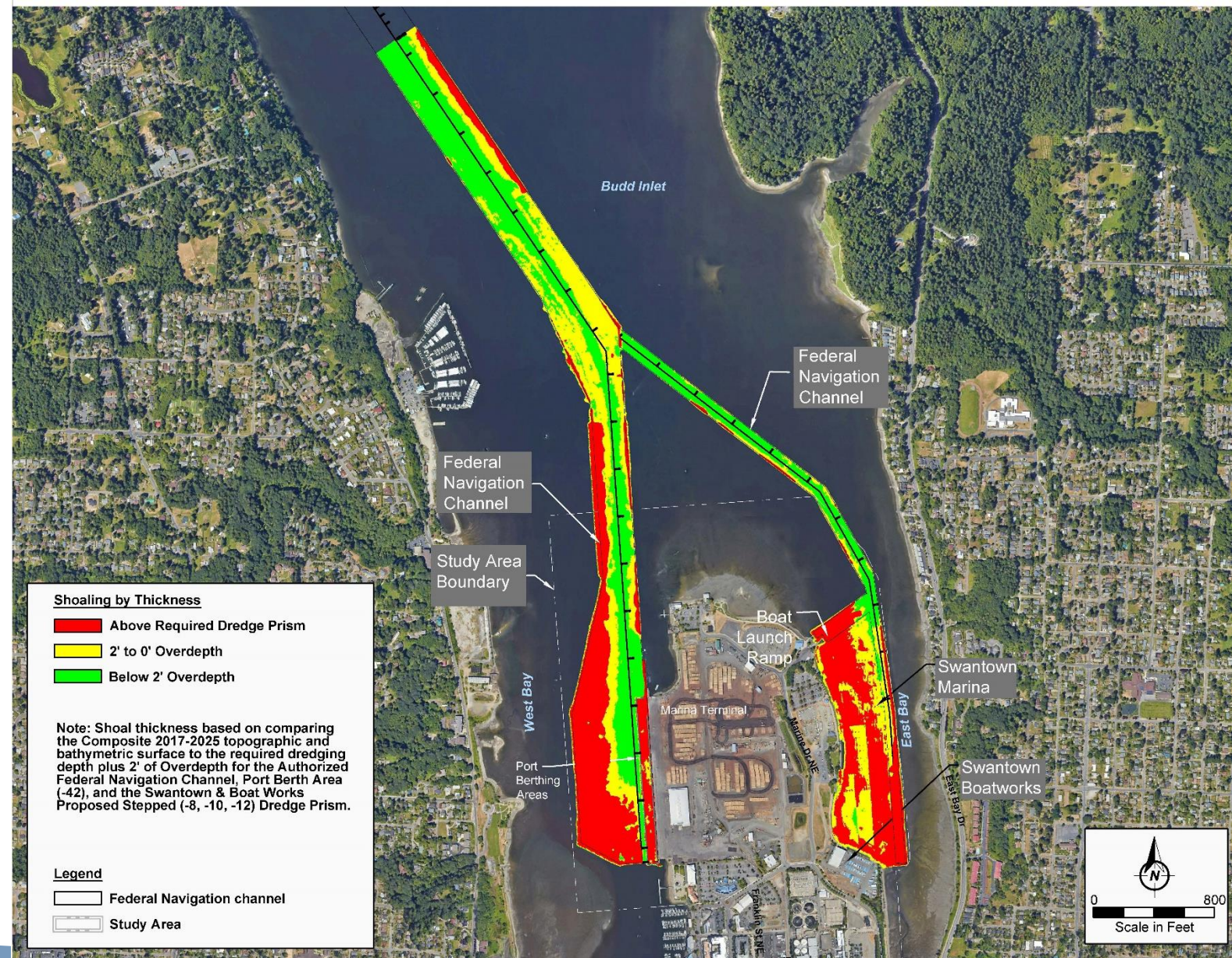
- Dioxin/Furans (D/Fs)
- Polycyclic Aromatic Hydrocarbons (PAHs)
- Semi Volatile Organic Compounds (SVOCs)
- Polychlorinated Biphenyls (PCBs)
- Metals (mercury, lead, chromium, cadmium, arsenic)
- Pesticides

Pre 2024 Data Regional Background Exceedance



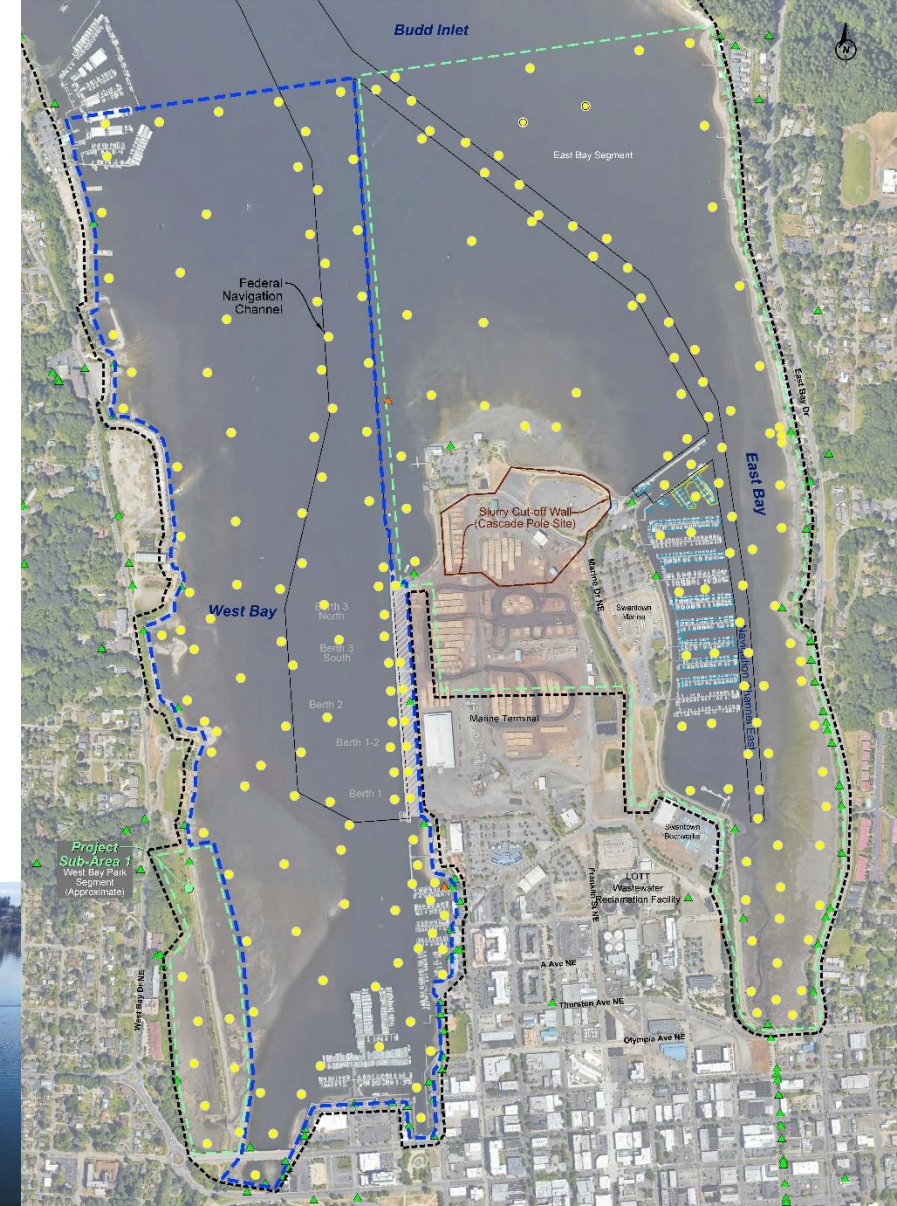
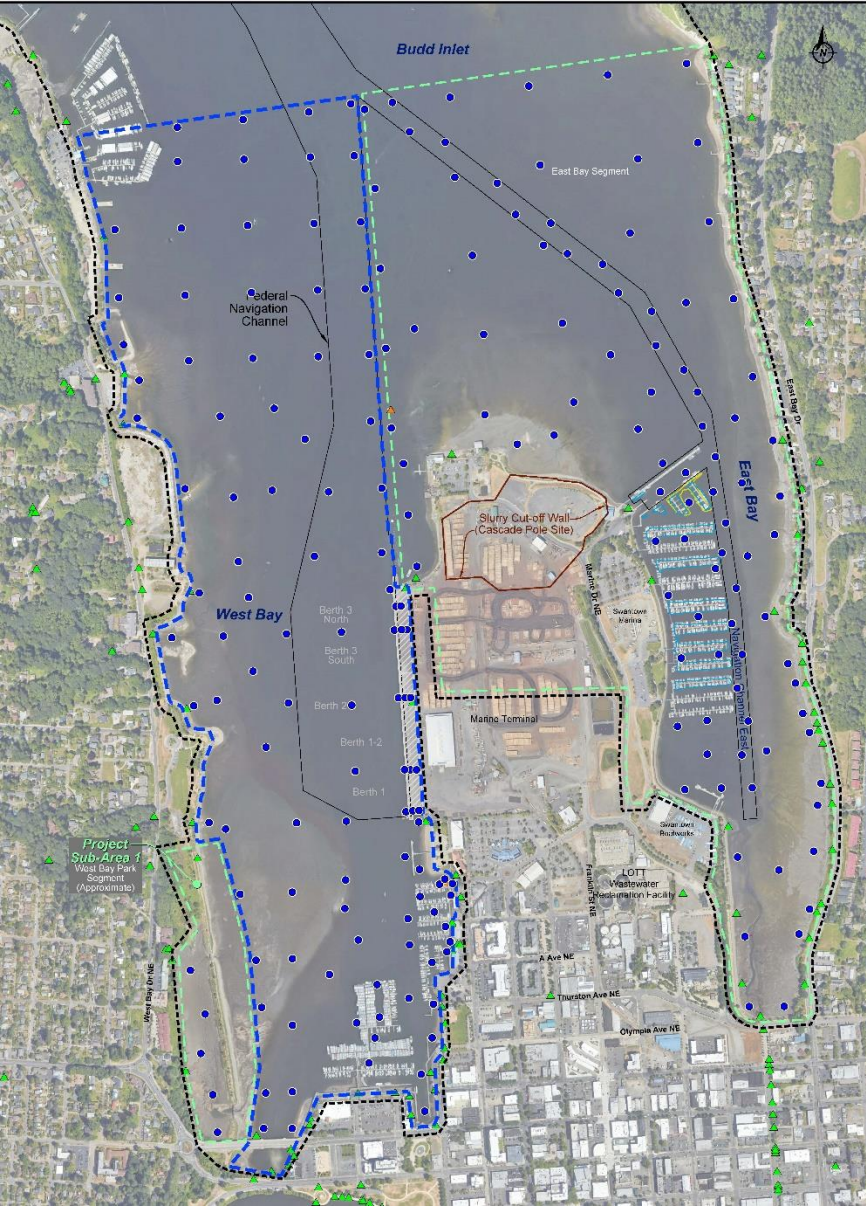
SHOALING

- Last USACE maintenance dredging event more than 10 years ago.
- Impacting public and private vessels.
- >200,000 CY of Material



SEDIMENT SAMPLES

- 204 Surface (0-10 cm) Grab Sample Locations
- 221 Vibracore Sample Locations
- More than 2,100 Samples Collected



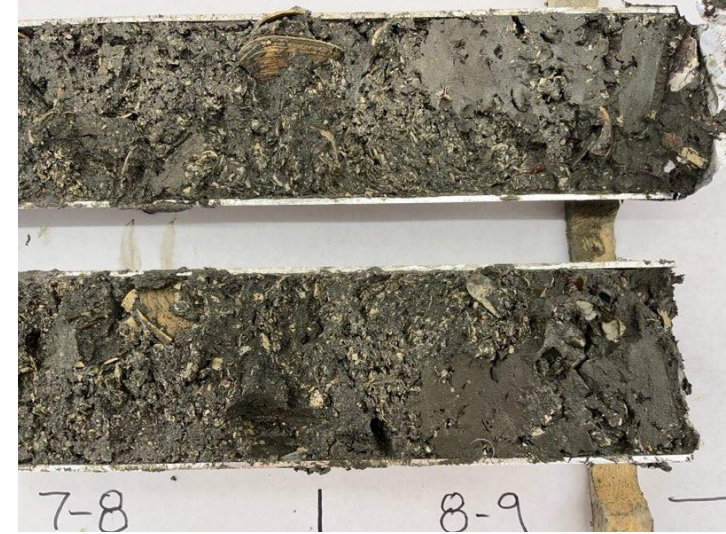
REMEDIATION OPTIONS

- Dredging
- Capping
- Monitored Enhanced Natural recovery
- Monitored Natural Recovery



Challenges

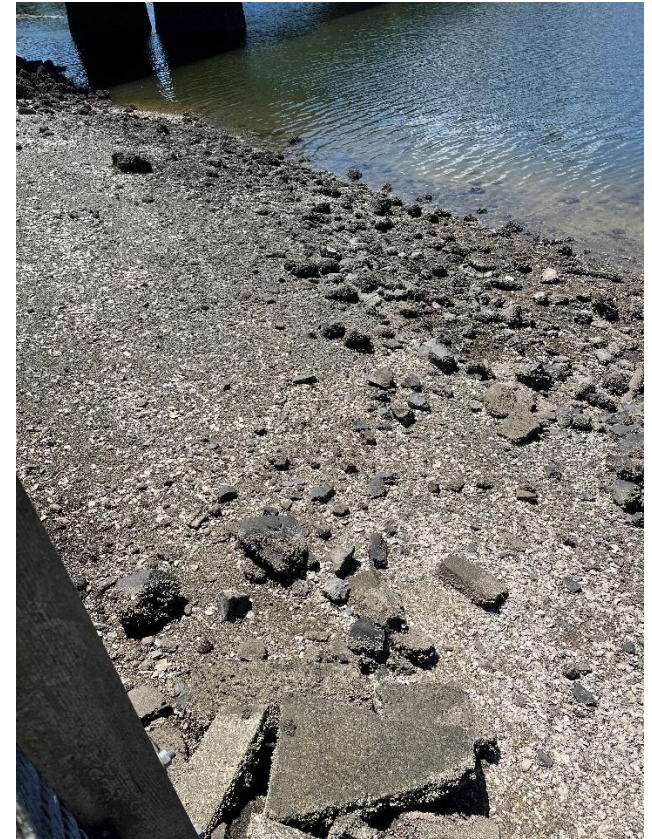
- Accessibility
- Debris
- Archeological
- Deschutes Estuary Restoration



ACCESSIBILITY



DEBRIS



Archeological

Artifacts or items of potential cultural significance include but are not limited to:

- Chipped or ground stone tools and debris
- Discolored rocks
- Mechanical items
- Structural debris
- Shell middens (significant accumulations of shell, shell-in-shell, charred shell, etc...)
- Bone (of any kind)
- Shell fragments (accumulations, oriented, altered, etc...)
- Fire cracked or charred objects
- Charcoal
- Cans, bottles, misc. debris
- Vertical wood/cedar stakes

Shell Midden



Common Species



Japanese Oyster



Native Littleneck



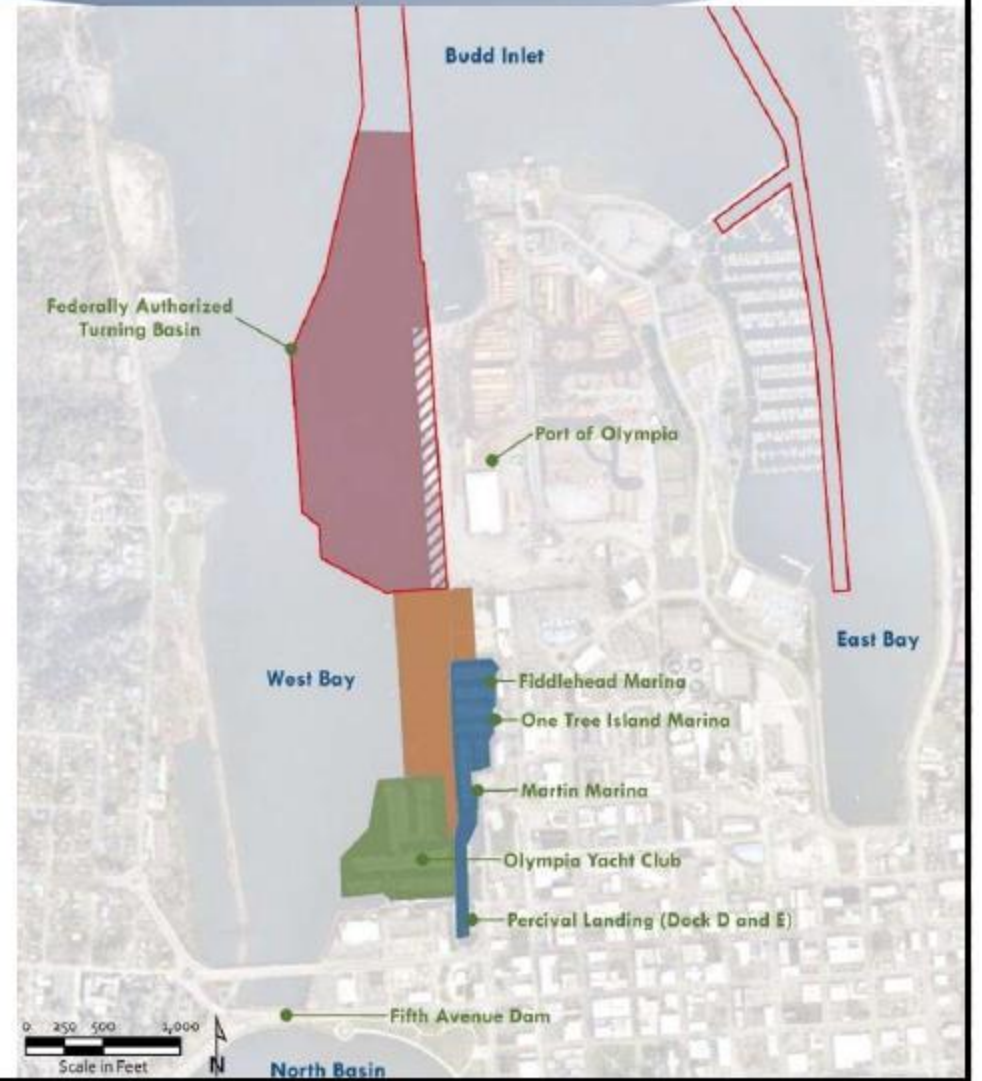
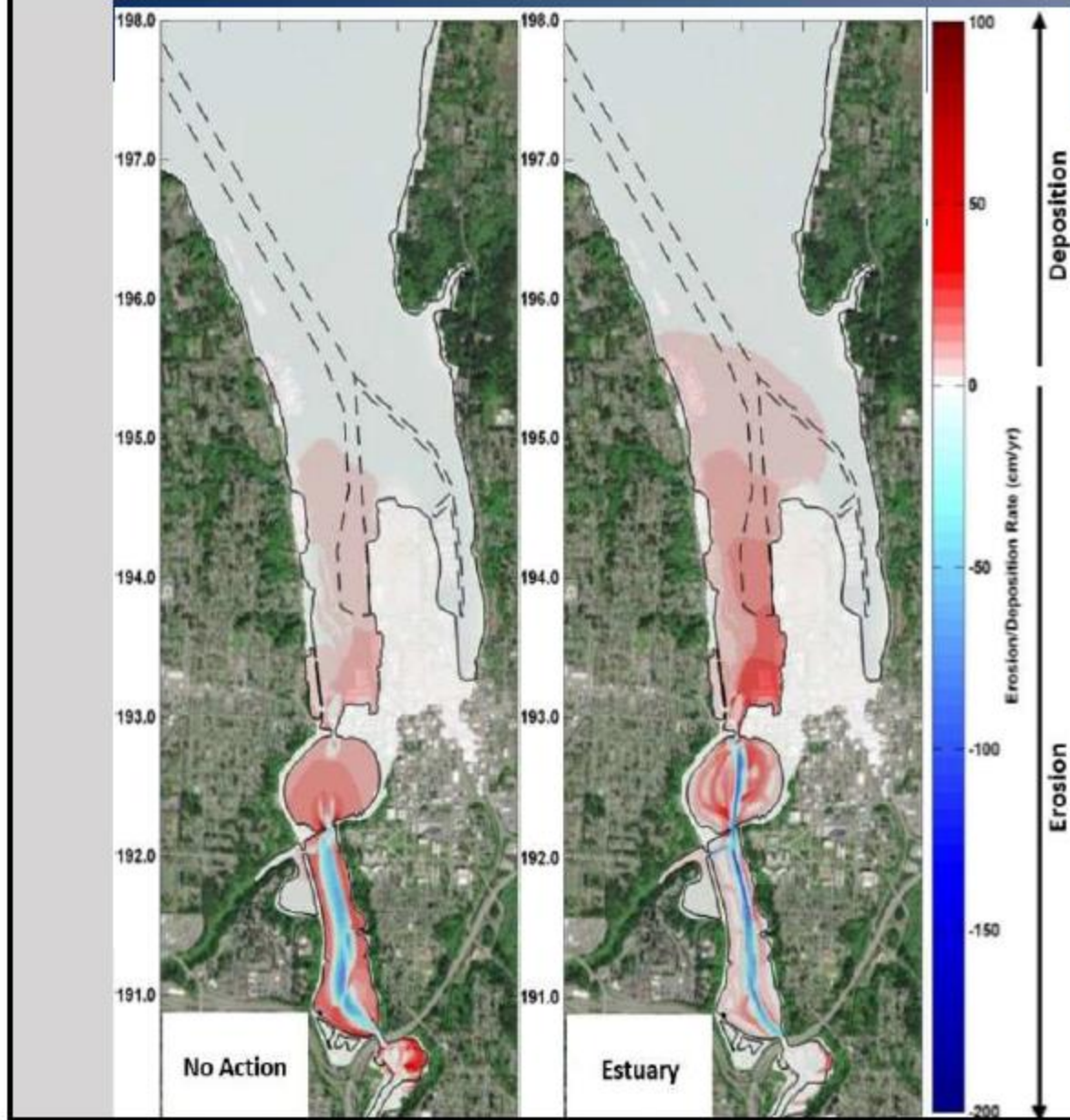
Olympia Oyster

Deschutes Estuary Restoration

- Dam Breach as Early as 2033 (maybe sooner)
- Initial sediment loading
- If the sediments covers the contamination, it increases the remediation costs.
- Ongoing sediment loading will be a continuing and costly maintenance activity for all marine operations.



Sediment Management



WHAT'S NEXT

- Additional Sampling To Further Define The Extents Of Contamination (Sub-Areas 1 & 2).
- Sediment Investigation in Sub-Area 3
- Sediment Geotech Investigation
 - Remedy Design
 - Dredged Material Management
- Existing Structures Assessment
- Source Control Investigation

Questions?

