

working for clean rivers



# Portland Harbor Superfund

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ENVIRONMENTAL SERVICES  
CITY OF PORTLAND

MINGUS MAPPS, COMMISSIONER  
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# Portland Harbor Superfund Update

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1. Update on cleanup process
2. Liability settlement
3. Natural Resource Damages Process



# PORTLAND HARBOR



**10 MILES**

Size of the site, which runs from south of Sauvie Island nearly to the Broadway Bridge

**Nearly 150**

Potentially responsible parties



**64**

Contaminants of concern to human health and the environment



**3 million\***  
cubic yards

Contaminated material to be removed from the river bottom & banks



**30 Years\***

Amount of time to reach cleanup goals



**\$1.05 Billion\***

Cost to clean up Portland Harbor Superfund



# Superfund process

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We are here



# Remedial Design Status

## Portland Harbor Superfund Site Remedial Design Status

DECEMBER 2023



Project Area	Sufficiency Assessment	Preliminary Design Investigation	Basis of Design Report	Remedial Design Work Plan	Preliminary Remedial Design (30%)	Intermediate Remedial Design (60%)	Pre-Final and Final Remedial Design (95%, 100%)
B1a	✓	In Progress	In Progress				
Gasco	✓	✓	In Progress	In Progress	In Progress		
US Moorings	✓	In Progress	In Progress				
Navigation Channel	✓	✓	In Progress				
River Mile 7 West (Bayer)		In Progress					
River Mile 7 West (Arkema)		In Progress					
Wilbridge Cove	✓	In Progress					
River Mile 9 West	✓	In Progress	✓	In Progress			
River Mile 10 West	✓	✓	In Progress				
River Mile 11 East	✓	✓	✓	✓	✓	In Progress	
River Mile 10 East	✓	✓	In Progress				
Swan Island Basin	In Progress	✓					
Willamette Cove	✓	✓	✓	✓	In Progress		
Cathedral Park Project Area		✓		In Progress			
Terminal 4	✓	In Progress	✓	✓			
River Mile 3.5 East	✓	✓	In Progress				
River Mile 2 East	✓	✓	In Progress				
Unassigned Areas	In Progress	✓		In Progress			

**KEY**

- In Progress
- Complete
- Not Started
- Updated



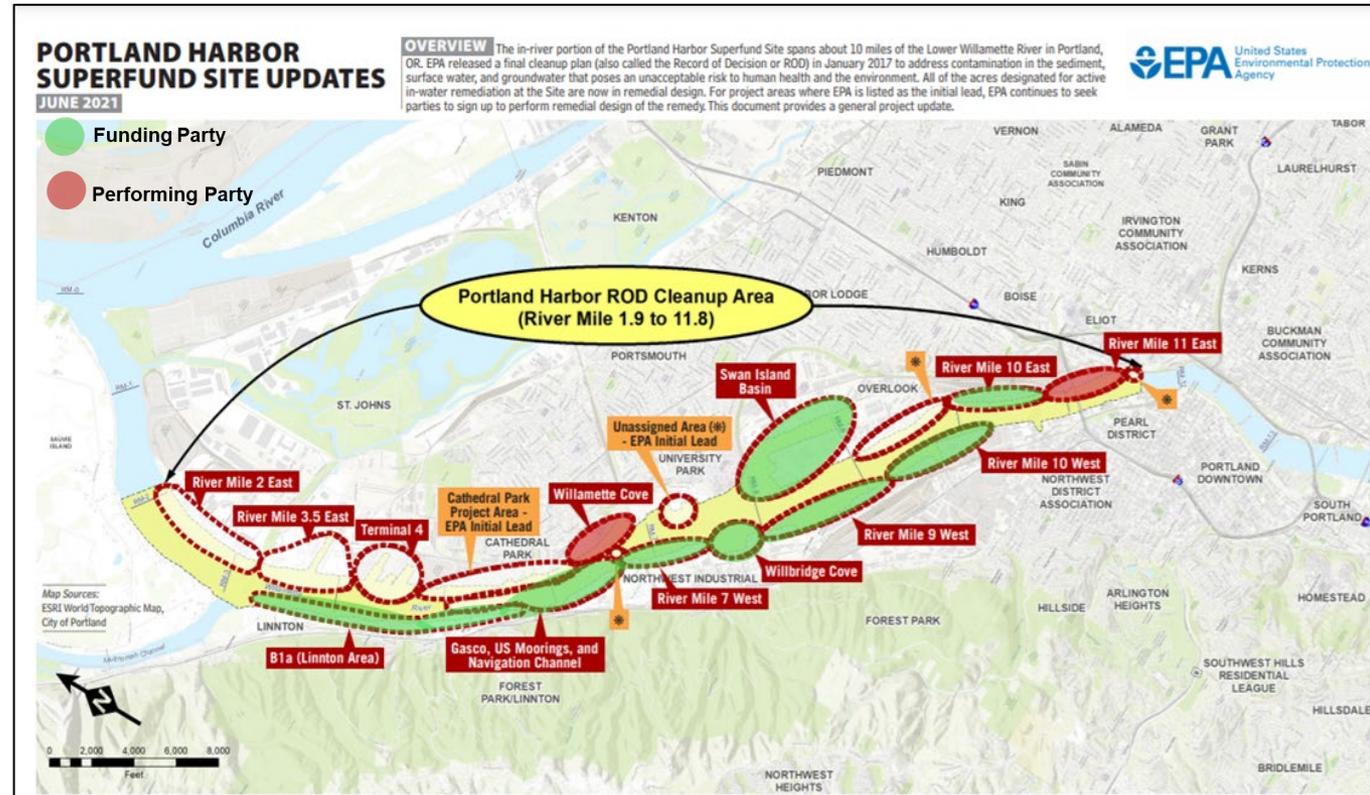
# Project Areas with City Involvement

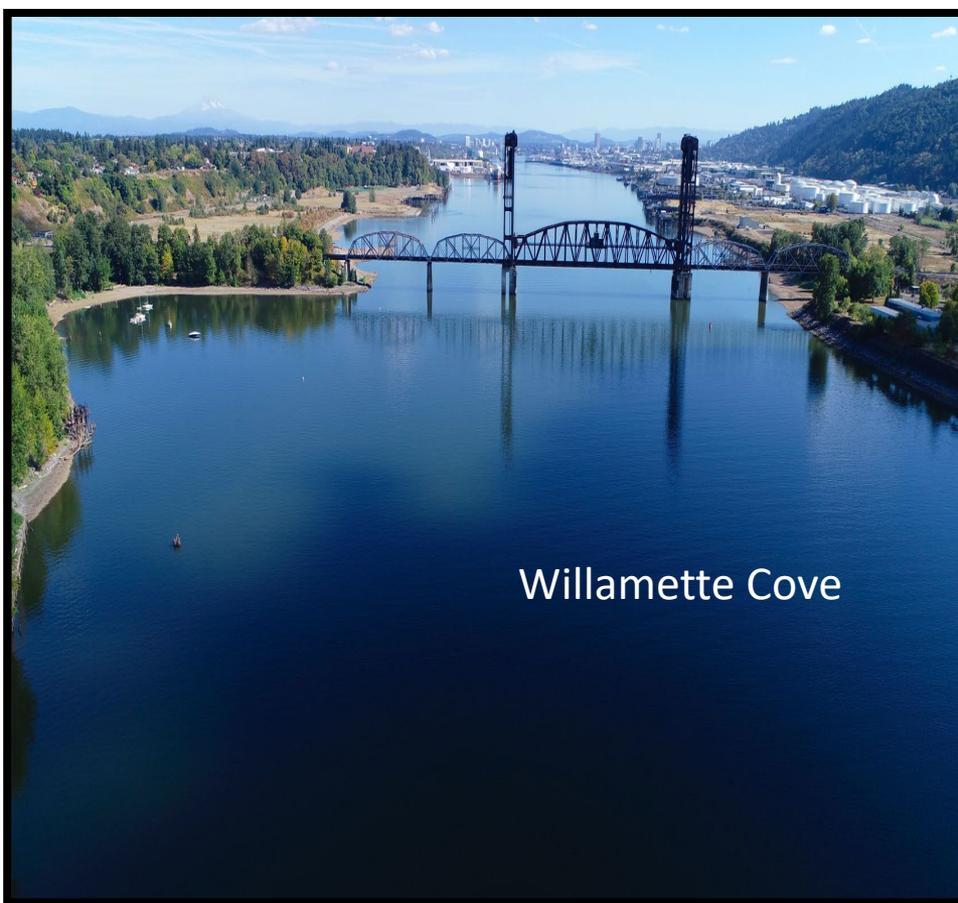
## Funding work

- River Mile 9 West
- River Mile 10 East
- Willbridge Cove
- River Mile 10 West
- River Mile 7 West
- Project Area B1a
- B1 Navigations Channel
- Swan Island Basin

## Performing work

- River Mile 11E
- Willamette Cove Project
- ✓ Information Management Plan
- ✓ Site-wide fish advisories





Willamette Cove

Partners: Department of Defense, State of Oregon, Port of Portland

30% Design- Spring of 2024

100% Design- Estimated early 2026



River Mile 11 East

Partners: Cargill, Glacier, CBS, Pacificorps, Dil Trust

30% Design- Winter of 2023

100% Design- TBD

# Transitioning to Remedy Action

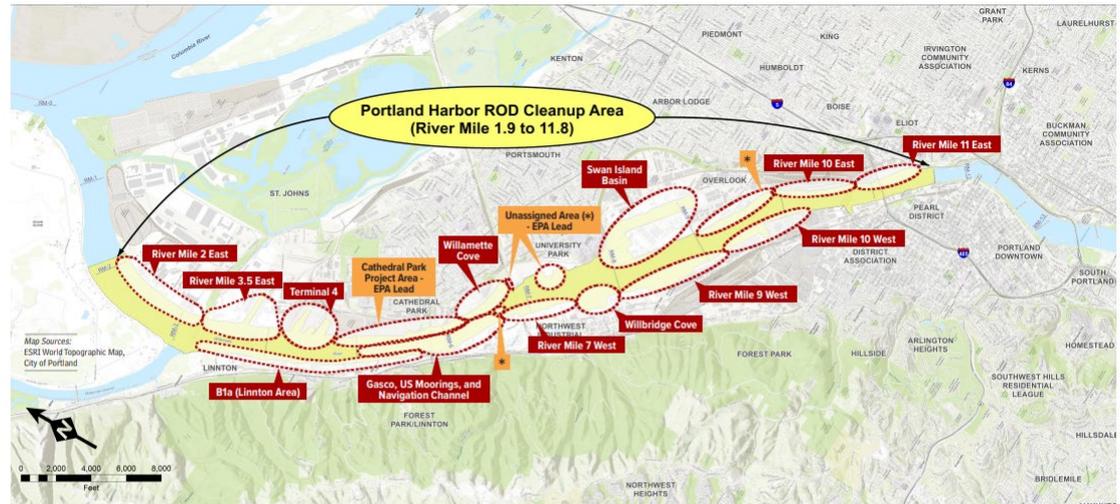
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- Completion of Remedy Designs
- Reaching a settlement with EPA will be very important to advance to the next phase
- Avoid delays from design to cleanup



# Settlement Process

- Settlement process will determine who will pay for what and who will do the work
- Work obligations will span various phases over 30+ years
- Settlement process for a mega-site is extremely complex and takes time
- Reaching a settlement will address current uncertainty



 Red outlines signify that working parties are conducting remedial design with EPA oversight. For unassigned areas and the Cathedral Park Project Area (labeled in orange), EPA is implementing full remedial design. Please see reverse page for more information.

 This shaded area indicates areas where only monitored natural recovery is planned to occur, per the Record of Decision.

#### QUESTIONS?

Please visit EPA's Portland Harbor website at [www.epa.gov/superfund/portland-harbor](http://www.epa.gov/superfund/portland-harbor)  
Contact Laura Knudsen (EPA Community Involvement Coordinator) at [knudsen.laura@epa.gov](mailto:knudsen.laura@epa.gov) or 206-553-1838.

#### WHAT ABOUT SOURCE CONTROL?

The term source control refers to controlling sources of contamination that are entering the Portland Harbor Superfund Site from upriver and lands along the river. The Oregon Department of Environmental Quality (DEQ) oversees source control and works closely with EPA. To date, DEQ has completed work on 115 of 175 sites identified as requiring source control within the study area and is currently working on 50 other sites. Visit DEQ's Portland Harbor Upland Source Control website here: <https://www.oregon.gov/dep/Hazards-and-Cleanup/CleanupSites/Pages/Portland-Harbor-Strategy.aspx>



# Addressing Damages to Natural Resources

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- Natural Resource Damage (NRD) and Settlement
- Natural resource damages are losses to wildlife habitat, natural resources of tribal significance and recreational fishing use
- The City has supported the Trustees' work since it began in 2003 by provided funding for the Trustee's work and early investment in habitat restoration.

## Portland Harbor Natural Resource Trustee Council

- National Oceanic and Atmospheric Administration
- U.S. Fish and Wildlife Service
- Oregon Department of Fish & Wildlife
- Confederated Tribes of the Grand Ronde Community of Oregon
- Confederated Tribes of Siletz Indians
- Confederated Tribes of the Umatilla Indian Reservation
- Confederated Tribes of the Warm Springs Reservation of Oregon
- Nez Perce Tribe



# Settlement for Natural Resource Damages

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- Compensation for damages are provided in the form of restoration projects or money for restoration.
- The City is in this first group of parties that reached settlements with the Trustees.
- Trustees determined that total damages for the site are:
  - 4,130 DSAYs of ecological loss
  - \$5,402,400 for recreational losses
  - \$695,100 for tribal service losses
- The total City settlement is \$4.8M
  - 61 DSAYs for ecological restoration
  - \$60,970 to compensate for recreational losses and tribal service losses
  - \$248,468 for the Trustees' assessment costs





Thank you

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