

PORTLAND HARBOR
Natural Resource Trustee Council



Restoring
Portland Harbor

Presentation Overview

- ◉ Background on Portland Harbor
- ◉ Who is the Trustee Council?
- ◉ What does the Trustee Council do?
- ◉ Ways to Get Involved
- ◉ Contact Information

Where is Portland Harbor?



St. Johns Bridge/
Cathedral Park



Fremont Bridge



Columbia Slough/
Kelley Point Park



*Photo credit:s: NOAA

Downtown
Portland

History of Portland Harbor

- The confluence of the Willamette and Columbia Rivers has long been central to the lives, traditions and economies of the people who live here

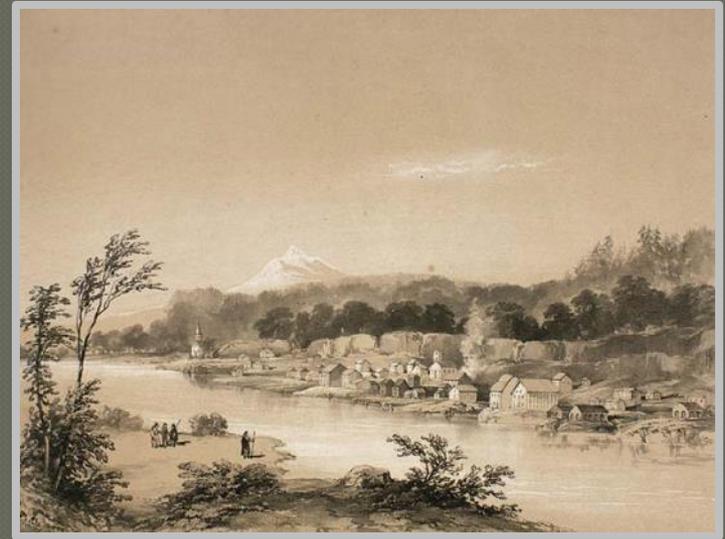


Photo credit: Confederated Tribes of the Grand Ronde Reservation

- Fresh water
- Abundant natural resources
- Transportation corridor
- Trading center
- Several Tribes have used natural resources in this area for millenia

History of Portland Harbor

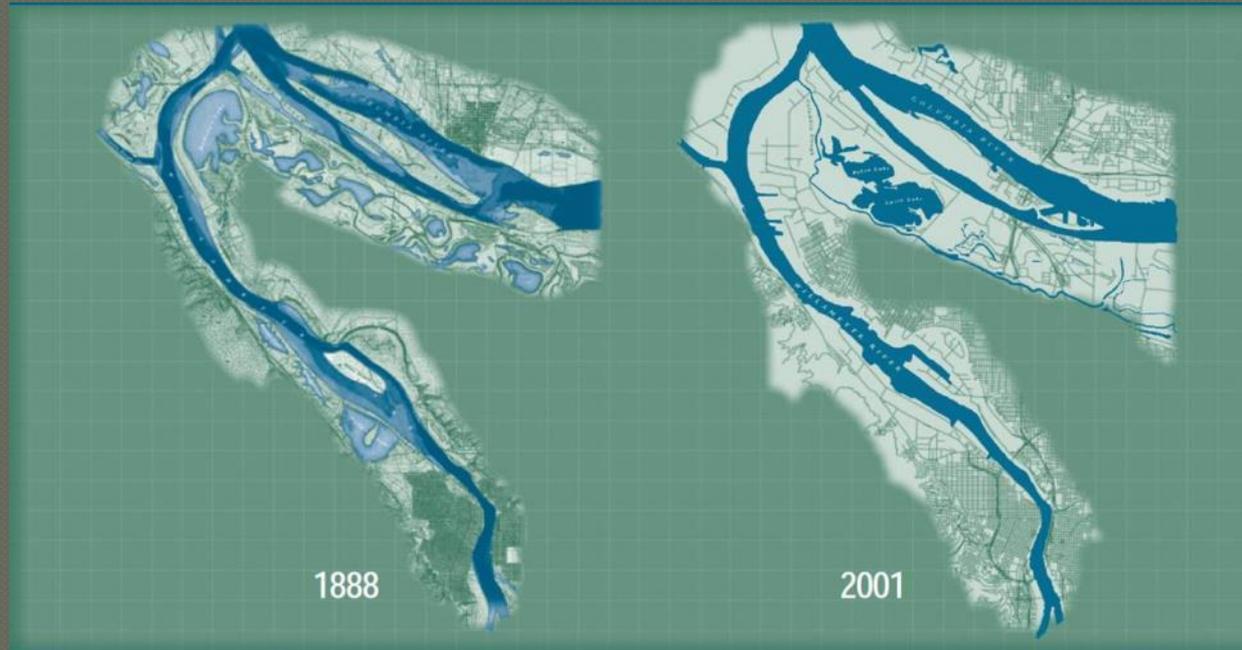


Photo credit: City of Portland

- 1851: Portland was founded
- Dramatic changes to the landscape
- Willamette River used as an open sewer for decades
- Lumber, steel, railcar, and other industries have released contaminants into the river for 100+ years

History of Portland Harbor

- 2000- Declared a Superfund site by Environmental Protection Agency due to threats to human health and the environment caused by contamination
- 2002- Trustee Council formed
- 2004- Fish consumption advisory issued by Oregon Health Authority



Photo credits: NOAA

Contaminants of Concern

PCBs

DDT

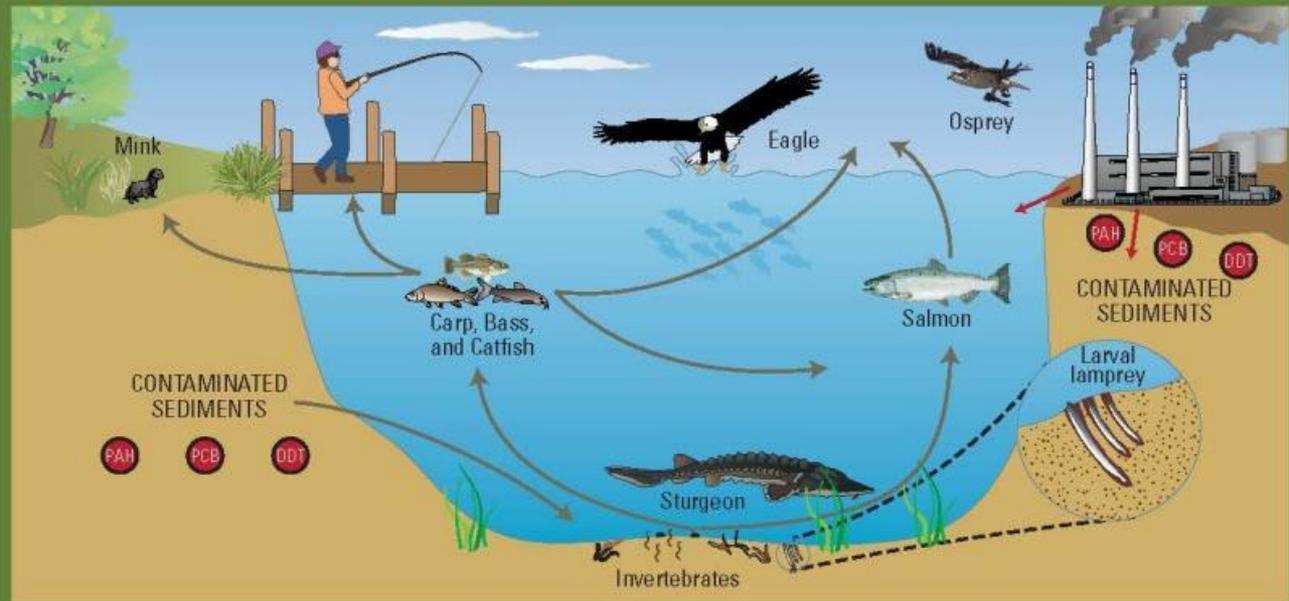
PAHs

Dioxins

Furans

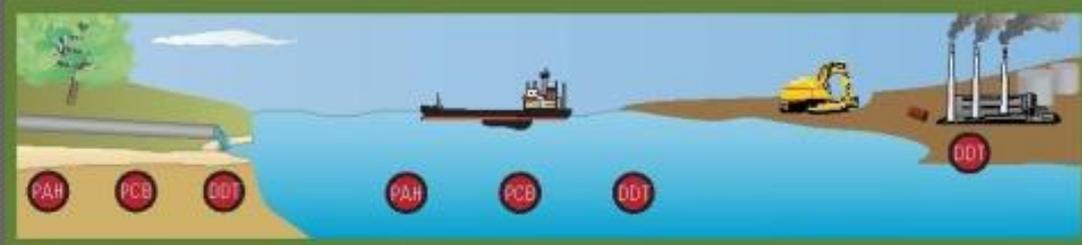
Heavy
Metals

Others



Cleanup and Restoration

- The Environmental Protection Agency and Oregon Department of Environmental Quality oversee the cleanup of Portland Harbor.



- The Trustee Council oversees restoration.



Portland Harbor Trustee Council

The Trustee Council formed in 2002 to:

- Assess how natural resources and services were injured by contamination over time
- Develop a plan to restore, rehabilitate, and/or replace injured natural resources
- Seek compensation from the parties responsible for contamination



Photo credit: USFWS



Photo credit: NOAA



Photo credit: USFWS

Portland Harbor Trustee Council

- Trustee Council members include:

- 5 Tribes
 - Grand Ronde
 - Nez Perce
 - Siletz
 - Umatilla
 - Warm Springs
- NOAA
- Oregon Department of Fish and Wildlife
- US Department of the Interior

Potentially Injured Natural Resources

○ Fish

- Salmon
- Lamprey
- Sturgeon

○ Birds

- Bald eagle
- Osprey

○ Mammals

- Mink

○ Water

○ Sediments

○ Soils

○ Invertebrates



Photo credit: ODFW

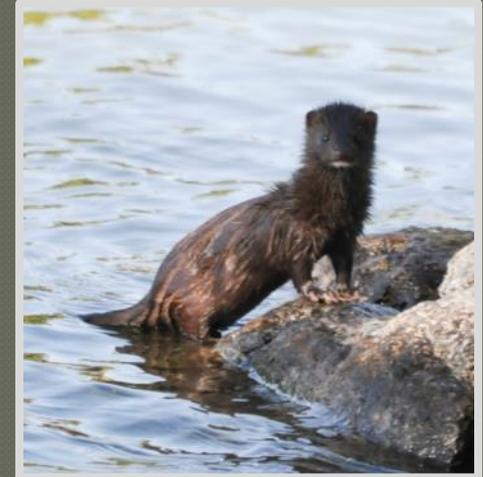


Photo credit: Roy W. Lowe, USFWS



Photo credit: USFWS

Potentially Injured Services



Ecological

- Habitat
- Food
- Hydrologic system
- Existence value



Tribal

- Cultural resources
- Traditions
- Unique services



Recreational

- Boating
- Fishing
- Wildlife observation

Natural Resource Damage Assessment

○ Phased Approach

- Phase I- Assessment Plan and Field Studies
- Phase II- Assessment Implementation to Reach Settlements
- Phase III- Formal Assessment to Refine Legal Claims for Court
- Phase IV- Recovery of Damages from Non-Settling Parties



Photo credit: NOAA

Restoration Planning

- Underway since 2007
- Goals
 - Identify, evaluate and preserve high value restoration opportunities
 - Identify partners to help implement, monitor, and maintain restoration sites
 - Solicit community input on potential restoration opportunities

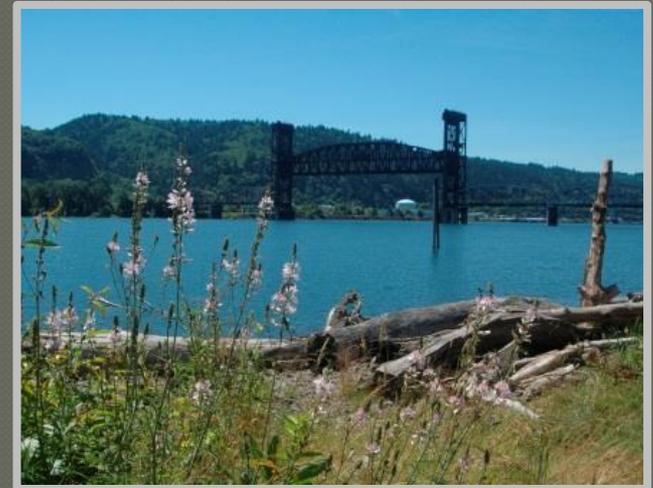
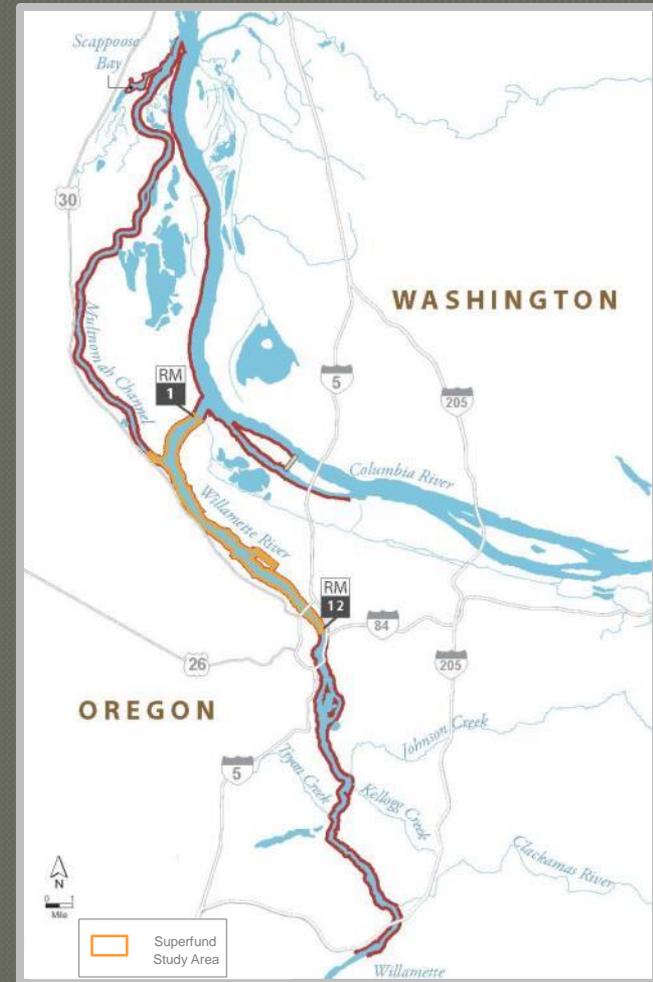


Photo credit: NOAA

Restoration Planning

Geographic Priorities

- 1st Priority-
Superfund Study Area
- 2nd Priority-
Broader Focus Area



Restoration Planning

○ Restoration Priorities

- Address natural resource injuries caused by hazardous substances and oil in Portland Harbor
- Provide a functioning and sustainable ecosystem for injured fish and wildlife
- Integrate restoration strategies
- Coordinate NRDA restoration with other planning and restoration efforts
- Involve the public in restoration planning and implementation

Accomplishments

- Assessment Plan finalized
- Studies on salmon, osprey, lamprey
- Restoration project screening criteria developed
- Juvenile spring Chinook literature review and panel of experts convened
- Community-based process to identify potential restoration projects
 - ~60 projects considered
- Ecological Restoration Portfolio
 - 44 potential restoration projects identified

Ways to get Involved

- Trustee Council website and newsletter
- Public meetings and public comment periods
- Portland Harbor Community Advisory Group
- Volunteer Opportunities
 - SOLVE
 - Groundwork Portland
 - Willamette Riverkeeper
 - Soil and Water Conservation Districts



Photo credit: Groundwork Portland