

Portland Harbor Superfund Site - Introduction

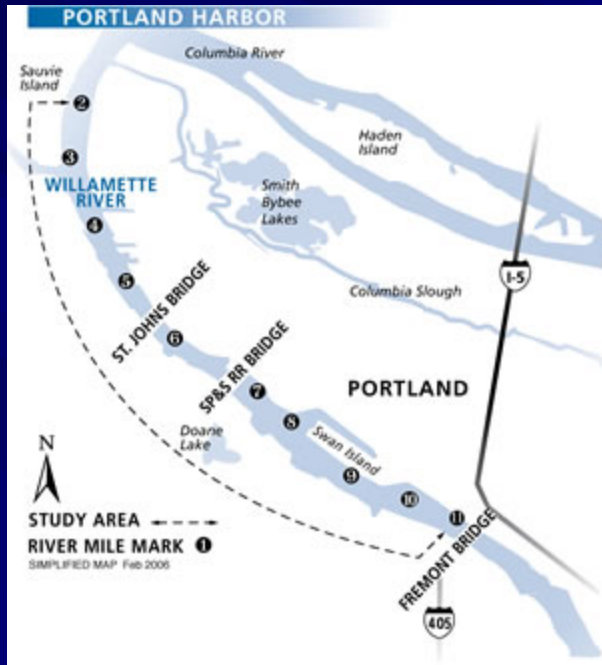


Dean Marriott
March 28, 2012

Overview

- Describe Portland Harbor
- Explain Superfund and other efforts associated with clean-up of Portland Harbor
- Describe the U.S. Environmental Protection Agency's (EPA) process for clean-up of contaminated sediments in the Willamette River

Portland Harbor Superfund Site



- Designated as a Superfund Site by the U.S. Environmental Protection Agency (EPA) in 2000
- Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA)
 - Identify parties responsible for contamination and compel cleanup
 - Historically federal Superfund tax supported cleanup efforts; now limited annual funding for smaller sites

Stakeholders in the Process

- **Local industries and businesses**
- **Public entities - City, Port, OR Dept. of Transportation (ODOT) and OR Dept. of State Lands (DSL)**
- **Local citizens**
- **Environmental and other groups**
- **Lead regulatory agencies (EPA and Oregon Department of Environmental Quality (DEQ))**
- **Tribal governments**
- **Natural Resource Trustees**

State and Federal Agency Roles in the Process

U.S. Environmental Protection Agency is lead agency for In-Water Work:

- 10 Potentially Responsible Parties (PRPs) formed the Lower Willamette Group (LWG) and conducted the draft Remedial Investigation (RI) and draft Feasibility Study (FS)
- Sediment investigation and risk assessment
- Determining protective remedial actions
- > 100 parties identified as potentially responsible parties (PRPs)

Oregon Department of Environmental Quality (DEQ) is lead agency for Upland Work:

- Investigations of soils, groundwater, and stormwater at upland sites
- Focus is identification of sources and implementation of source control
- Over 75 sites have agreements with DEQ Cleanup Program

Related Effort - Natural Resource Damage Assessment (NRDA)

- NRDA is separate from the EPA clean-up. Under NRDA, a Trustee Council will:
 - evaluate how the natural resources were harmed over the time that the area has been contaminated
 - develop a restoration plan to compensate for those losses.

City Has Complex Role

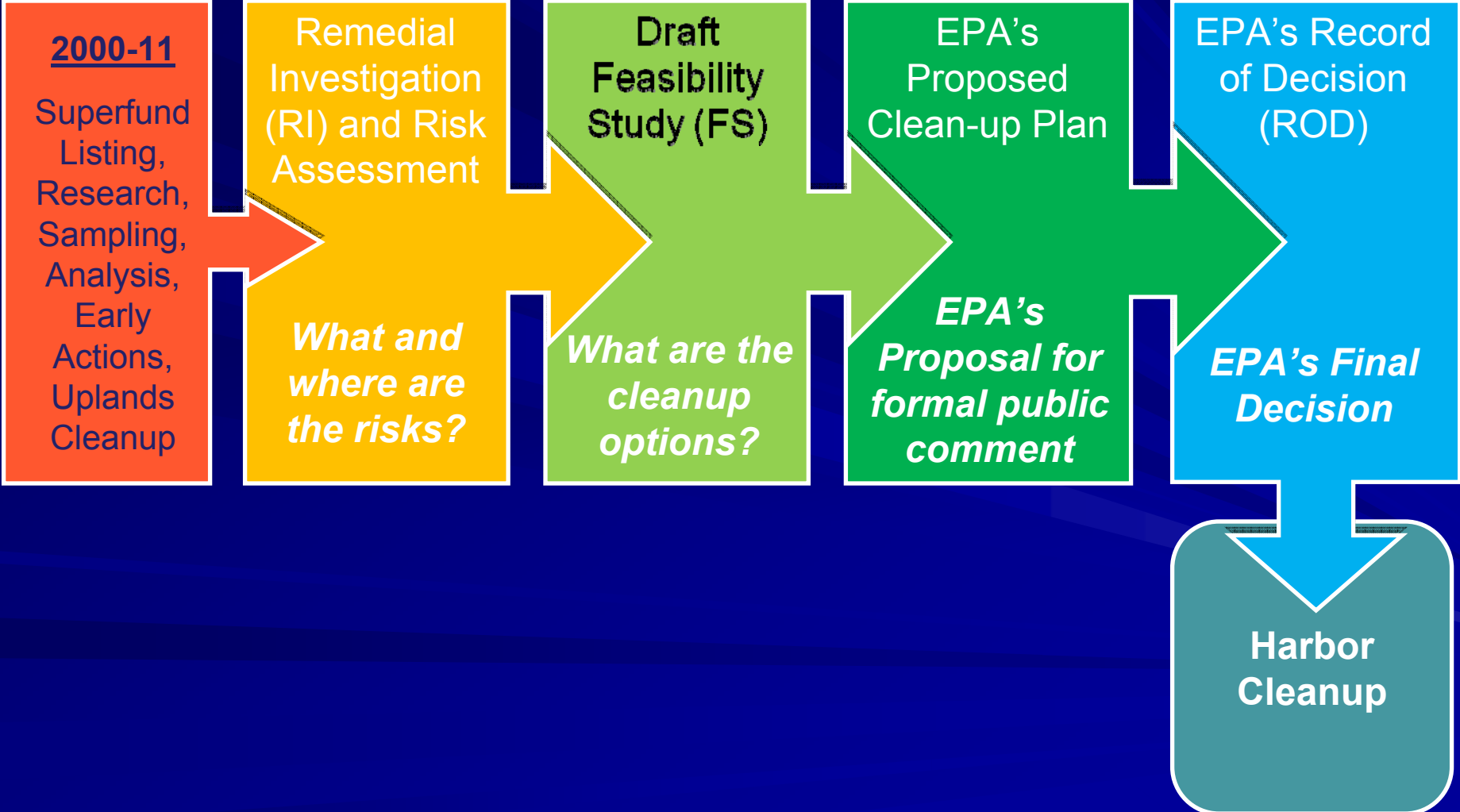
- **Member of Lower Willamette Group (LWG)**
 - Actively participate in and help fund the draft Remedial Investigation (RI) and draft Feasibility Study (FS).
- **Potentially Responsible Party (PRP)**
 - Evaluating potential of stormwater system and City properties to convey contamination to sediments
 - Interested in fair allocation among parties
- **Local Government Agency**
- **Stewardship role - concerned with watershed health**
- **Established relationships with other governments**

Source Control Program

- Portland Bureau of Environmental Services (BES) is working with OR Department of Environmental Quality (DEQ) to identify and control potential sources of contamination
- Goal: Minimize potential for recontamination of sediments following cleanup

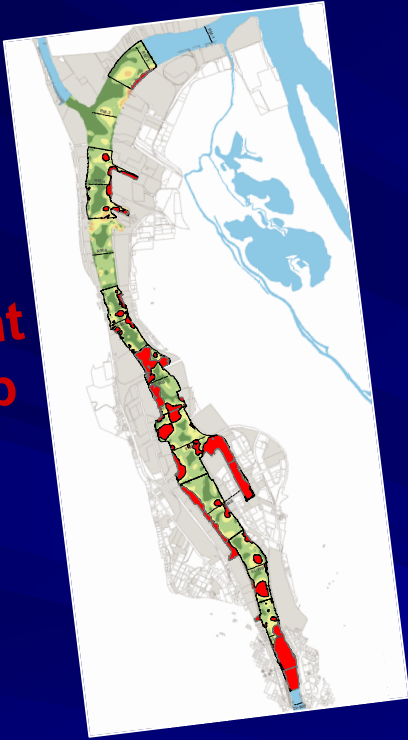
Portland Harbor Superfund Milestones

↓ We are here

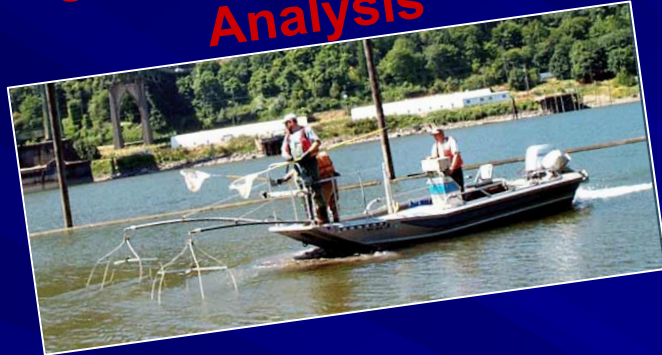


Activities Since 2000

**US EPA:
River &
Sediment
Cleanup**



**Sampling, Testing &
Analysis**



**Oregon DEQ:
Upland Cleanup
& Source
Control**



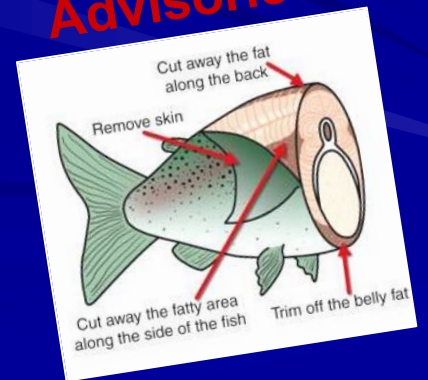
**Early
Cleanup
Actions**



**Citizen
Advisory
Group (CAG)**



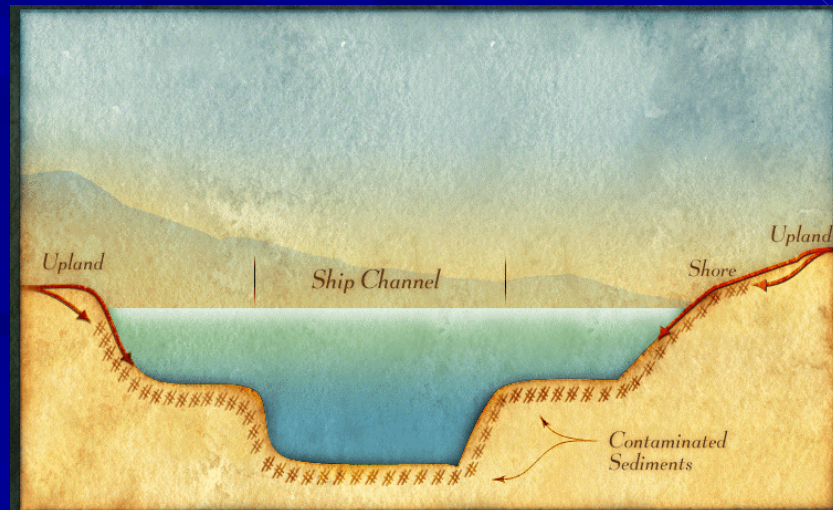
**Fish
Advisories**



Portland Harbor Remedial Investigation

Primary Risk Drivers

- PCBs
- Pesticides (e.g. DDT)
- Dioxins and furans
- PAHs



Feasibility Study (FS)

The Draft Feasibility Study evaluates the effectiveness, feasibility and cost of a wide range of alternatives for handling contaminated sediments:

- dredging,
- capping,
- monitored natural recovery

Next Steps

- Lower Willamette Group will submit Draft Feasibility Study to EPA (March 30, 2012)
- EPA will review the document
- EPA will ultimately issue a proposed clean up plan – available for public comment
- EPA will issue a record of decision with clean up requirements after considering comments

U.S. Environmental Protection Agency Public Information Sessions for Draft Portland Harbor Feasibility Study

- **Wednesday, April 11, 2012**, 6 p.m. to 8:00 p.m. (Open House 5:30 to 6 p.m.) St. John's Community Center, 8427 N. Central St., Portland, Oregon
- Thursday, April 12, 2012**, 1 p.m. to 3:00 p.m. (Open House 12:30 to 1 p.m.) Portland Building Auditorium, 1120 SW 5th Avenue, 2nd Floor, Portland, Oregon
- Wednesday, April 18, 2012**, 6 p.m. to 8:00 p.m. (Open House 5:30 to 6 p.m.) June Key Delta Community Center, 5940 N. Albina Street, Portland, Oregon
- Thursday, May 10, 2012**, 6 p.m. to 8:00 p.m. (Open House 5:30 to 6 p.m.) Ecotrust Building- Billy Frank Jr. Conference Center, 721 NW Ninth Avenue, Portland, Oregon

More Information

- EPA and the Lower Willamette Group are co-hosting a series of public forums on the Feasibility Study
- Information is available on the City's Portland Harbor website:
www.portlandonline.com/bes/portlandharbor

Common Portland Harbor Acronyms

- EPA – U.S. Environmental Protection Agency
- DEQ – Oregon Dept. of Environmental Quality
- DSL – Oregon Dept. of State Lands
- PRP – Potentially Responsible Parties
- LWG – Lower Willamette Group
- RI/FS – Remedial Investigation/Feasibility Study
- CERCLA – Comprehensive Environmental Response, Compensation and Liability Act of 1980
- NRDA- Natural Resource Damage Assessment
- DSAY – Discounted Service Acre Years