

Port Gamble Bay Cleanup Project

Cleanup. Restoration. Preservation.



Welcome

In-water cleanup at the Port Gamble Bay and Mill Site is expected to begin July 2015. Work will take place over two active construction seasons throughout much of the bay and will conclude in January 2017.

This process aims to:

- Address threats to human health
- Address threats to the environment
- Achieve the greatest amount of active cleanup as quickly as possible while minimizing cleanup impacts



Focus
Puget Sound



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Cleanup in Port Gamble Bay

Key Points:

- Cleanup begins July 2015
- A piling removal demonstration will take place June 2015
- Construction activities will run July through January of the next two years

Mill North and Mill South

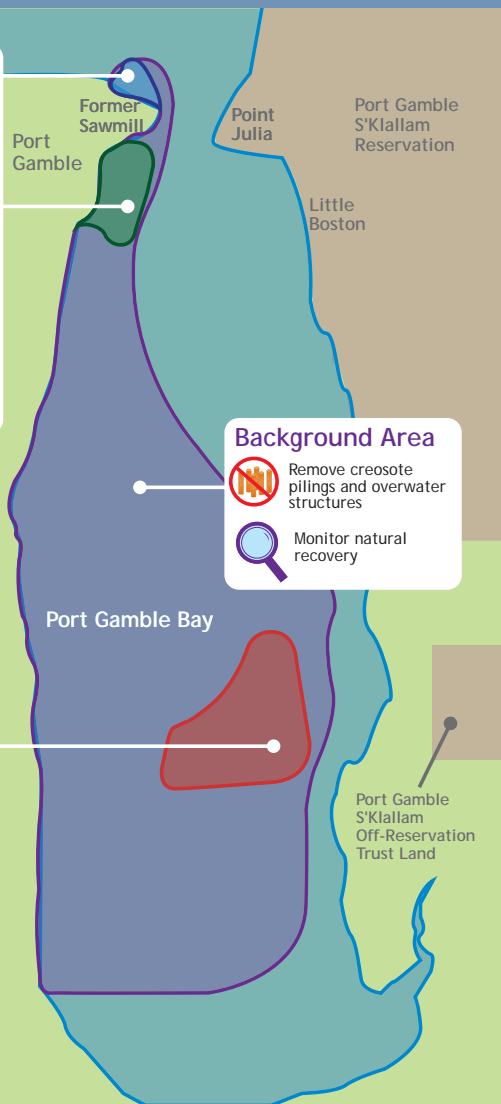
- Remove creosote pilings and overwater structures
- Excavate intertidal areas
- Dredge subtidal sediment and wood waste
- Cap intertidal and subtidal sediments

Background Area

- Remove creosote pilings and overwater structures
- Monitor natural recovery

Central Bay

- Cap with sand layer to accelerate recovery



Early June 2015	Piling removal demonstration
July 2015 to January 2016	Begin pile removal and Mill South construction
July 2016 to January 2017	Finish pile removal and Mill North to Central Bay construction
2017 to 2027	Monitor sediment recovery

Beginning in July 2015, Pope Resources, LP/OPG Properties, LLC (PR/OPG) will remove approximately 70,000 cubic yards of contaminated sediment and wood waste, as well as approximately 6,000 creosote pilings and overwater structures. Wood waste located close to shore will be dredged, and wood waste in deeper areas will be capped with clean sand to enhance environmental recovery.

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Cleanup Details

Pile Removal

- Crews will remove over 6,000 piles
- Work primarily during low tide (“in the dry”)
- Piles will be taken to permitted landfills and disposal centers

Intertidal Excavation

- Lands typically exposed during low tide
- Crews will remove 30,000 cubic yards of contaminated sediments and wood waste
- A clean sand layer will be placed over the area to manage exposure to any residual contaminants
- Excavated sediments will be beneficially

reused when appropriate; all other sediment will be moved to a permitted landfill or approved disposal facility

Subtidal Dredging

- Lands typically covered with water even during low tide
- Crews will remove 40,000 cubic yards of contaminated sediments and wood waste
- Removal area will be capped with a sand layer to prevent recontamination
- Materials that cannot be beneficially reused will be moved to a permitted landfill or approved disposal facility



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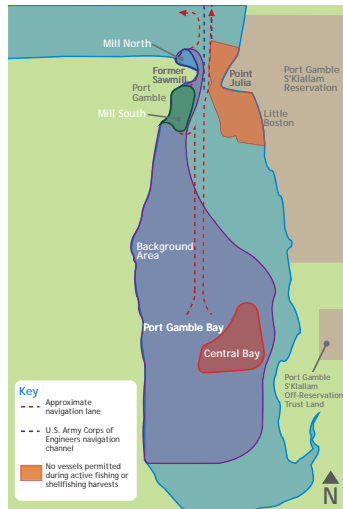
Navigation Routes and Monitoring Plans

Land and Water Routes

Specific land and water routes were designated to move excavated and dredged materials. These routes will avoid or minimize impacts to sensitive resources, as well as establish safer and more predictable traffic patterns for neighbors and visitors. Cleanup will generally take place Monday through Saturday from 7 a.m. to 10 p.m. Occasional Sunday and nighttime work is expected.



Frequent truck traffic through the town of Port Gamble will be required to transport excavated and dredged material off-site or bring in capping material. Designated routes help ensure community safety by creating predictable traffic patterns. Flaggers will be used to direct traffic as necessary.



Designated barge and boating routes will help avoid sensitive resources and critical fishing areas. Tribes have vessel coordinators to help manage this effort.



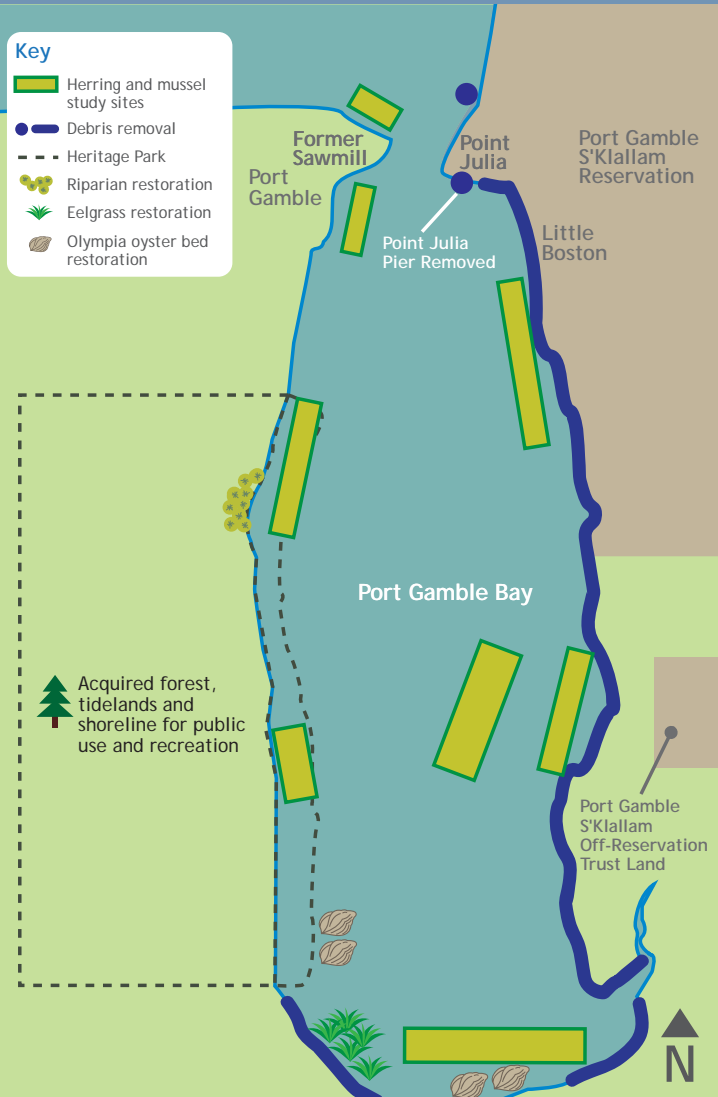
Monitoring During Construction

Water quality monitoring will occur to minimize construction impacts to resources. Archaeological monitoring will prevent or minimize impacts to archaeological and cultural resources. PR/OPG, PGST and DOH will conduct shellfish monitoring and provide information to the community about construction-related effects to shellfish.

PR/OPG: Pope Resources, LP/OPG Properties, LLC
PGST: Port Gamble S'Klallam Tribe
DOH: Washington Department of Health

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Restoration and Preservation Actions

The Port Gamble Bay restoration and preservation projects are a collaborative effort between the Washington State Department of Ecology, Port Gamble S'Klallam Tribe and other partners. Their investment and shared vision are making the bay a safer and healthier place to live, work and play.

Heritage Park (complete)

- Acquired 535 acres, including 74 acres of tidelands

Debris Removal (complete)

- Point Julia pier removal
- Derelict vessel removal
- Removed scattered intertidal debris

Herring and Mussels Studies (underway)

- Embryo mortality study to provide insight on decreasing herring spawning in the bay
- Genetic study to identify relationships among spawning stocks
- Mussel study to evaluate chemicals in shellfish

Eelgrass Restoration (underway)

- 2 acres of eelgrass restored, an important habitat for herring and juvenile salmon

Riparian Restoration (underway)

- 1+ acres along the western shoreline of Port Gamble Heritage Park
- Plant native trees and shrubs, improve an existing trail, and maintain and monitor area

Olympia Oyster Habitat (underway)

- Enhance over 9 acres of native oyster habitat to support millions of oyster seed planted and grown in the bay

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Community Impacts and How to Stay Involved

What to Expect

- Odors – petroleum, anoxic sediments (similar to smells of low tide)
- Noises from hauling trucks and construction equipment
- Work will generally occur Mon. – Sat., 7 a.m. to 10 p.m.
- When feasible, crews will remove pile and excavate intertidal areas during low tide (in the dry)
- Vessels will avoid sensitive areas and trucks will use consistent travel routes
- At tribal request, shellfish will be monitored for biotoxins and chemicals throughout the bay. A notification protocol is in place in the event of detection.

Contact Us

Hotline: (888) 707-8663

Email: info@PortGambleBayCleanup.com

Cleanup Website: PortGambleBayCleanup.com

Port Gamble Bay & Mill Site Website:
www.ecy.wa.gov/cleanup/3444.html

Online open house (open through June 3, 2015):
PortGambleBayCleanup.publicmeeting.info

Facility Site ID #: 93937775 | Cleanup Site ID#: 3444

