



Western Washington University  
**Western CEDAR**

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Salish Sea Ecosystem Conference

2018 Salish Sea Ecosystem Conference  
(Seattle, Wash.)

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Apr 5th, 2:15 PM - 2:30 PM

## The transformation of Port Gamble Bay: from remediation to restoration

Celina Abercrombie

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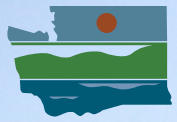
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Abercrombie, Celina, "The transformation of Port Gamble Bay: from remediation to restoration" (2018). *Salish Sea Ecosystem Conference*. 351.

<https://cedar.wwu.edu/ssec/2018ssec/allsessions/351>

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WASHINGTON STATE  
Department of Ecology

# The Transformation of Port Gamble Bay

## From Restoration to Remediation

**Celina Abercrombie**

**Washington Department of Ecology  
Toxics Cleanup Program**

**Salish Sea Ecosystem Conference**

**April 5, 2018**

**Before**



Fort Gamble Mill.  
Puget Mill Company,  
Fort Gamble, Fort Ludlow, and Absalady, W. T.

**Before**



**Before**



**Now**



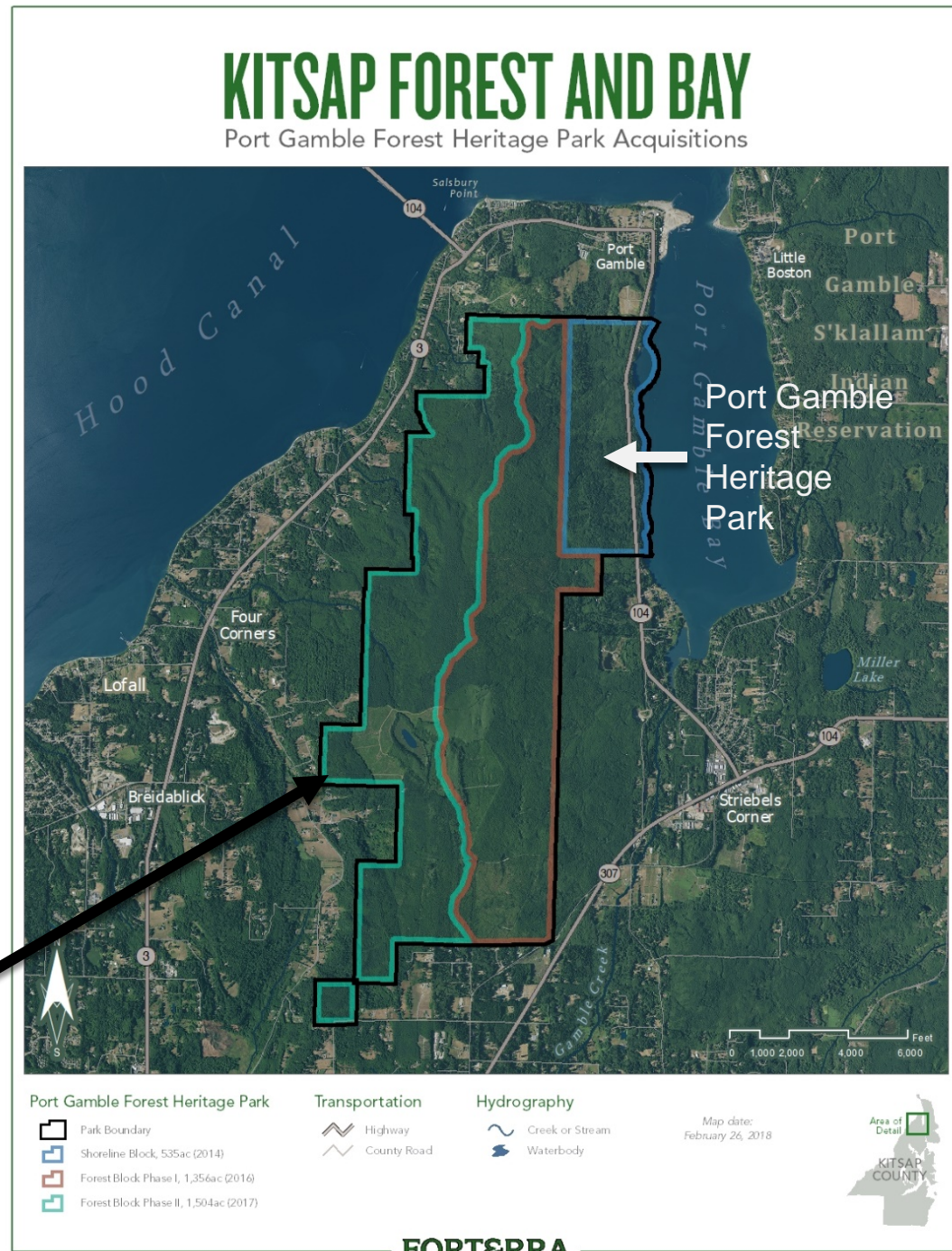
A photograph of a forest stream. The water flows over a large, weathered log that has fallen across the path. The surrounding area is lush with green ferns and other vegetation. The ground is covered with fallen leaves, some of which are brown and some are green. The overall scene is a natural, undisturbed forest environment.

# Land Conservation

# Port Gamble Forest Heritage Park

- 70 acres tidelands
- 3,230+ acres upland forest

**Over 3,300 acres  
protected**







# Shellfish Enhancement

# 1,500 Cubic Yards of Shell and Shell Hash



**Over 9 acres enhanced and seeded**





# **Derelict Debris, Piling, Structure and Vessel Removal**

**1,800 Tires Removed**



# Point Julia Pier and Piling Removal



**Over 190,000 lbs creosote material removed**

**Over 500,000 lbs of derelict material  
removed from the bay and beaches**



An underwater photograph showing a dense field of eelgrass. The blades are long, thin, and green, with some showing signs of damage or discoloration. The water is slightly turbid, and the overall scene is dimly lit.

# **Eelgrass Restoration**



**2 Acres Planted**



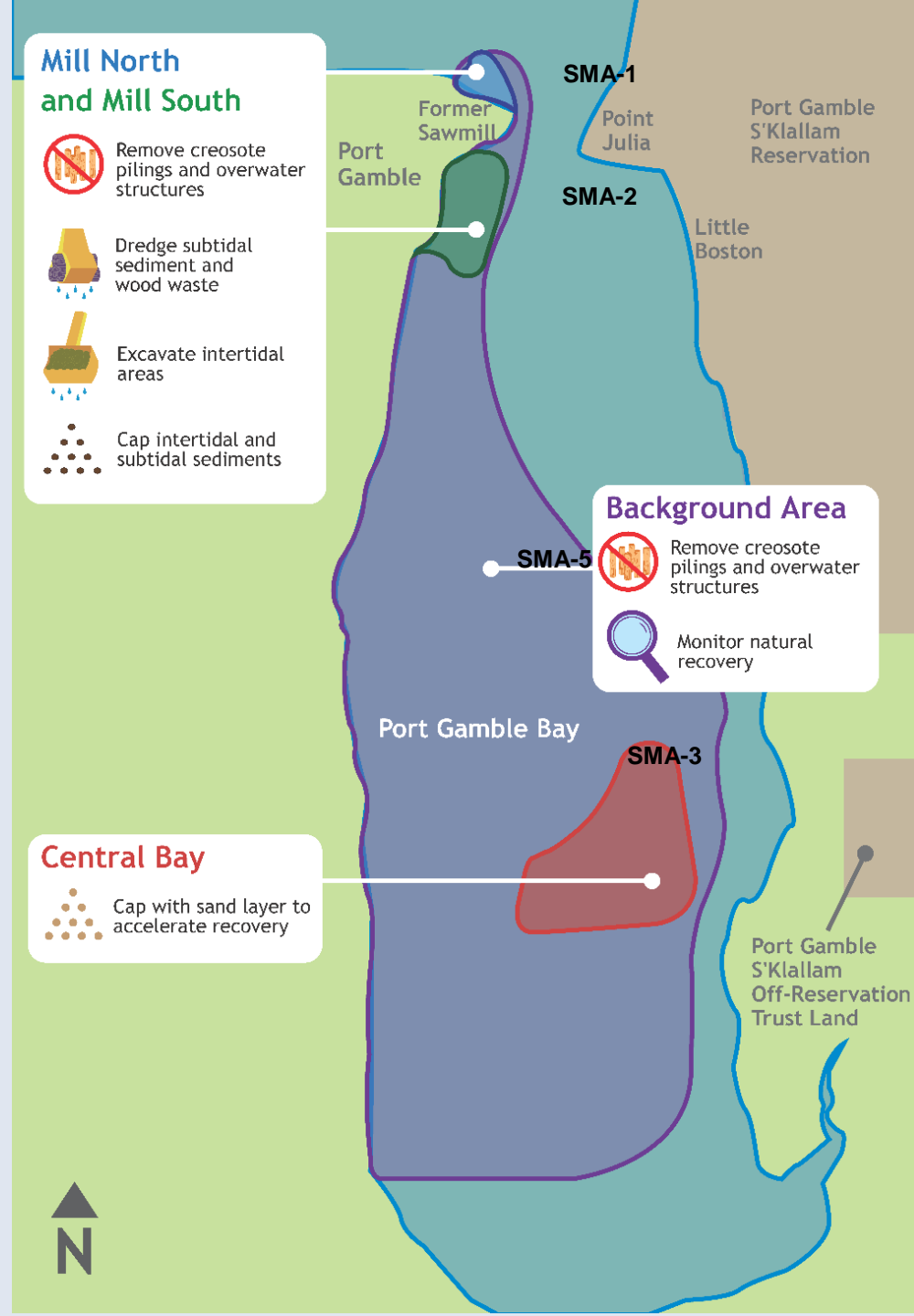
# Reopen 90-acre Geoduck Tract



# Cleaning up the Bay

## Removed:

- ❑ Over 8,500 pilings
- ❑ Nearly 1.5 acres of overwater structures
- ❑ Over 33,000 cy contaminated intertidal sediment
- ❑ Over 77,000 cy wood waste



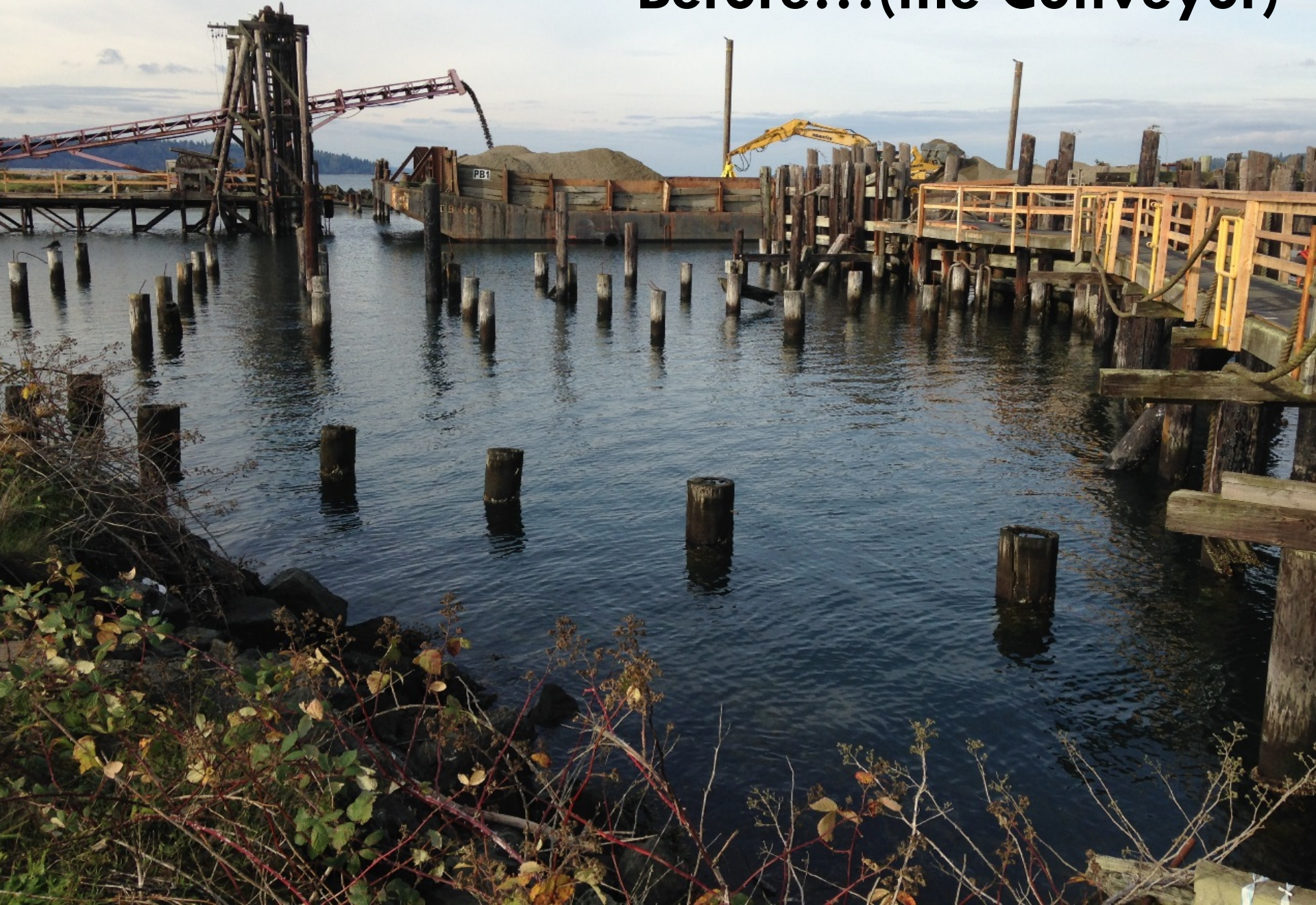
**Before...(the Alder Chip Mill)**



**...and after (the Alder Chip Mill)**



# Before...(the Conveyor)



**...and after (the Conveyor)**



**Before...**





**...and after**



# Celebrating the next chapter

## Blessing of Port Gamble Bay



- Opening Prayer- Lloyd Fulton, Tribal Elder
- Welcoming Remarks-  
Lloyd Fulton, Tribal Elder
- Tom Ringo, President and CEO of Pope Resources
- Jeremy Sullivan, PGST Chairman
- Prayer Song
- Blessing of the land and water
- Shaker Prayer- Gene Jones

Where: Port Gamble Mill Site  
When: July 23, 2015  
Time: 10:00 to 12:00 pm





**“To cleanup, restore and protect the environmental, economic and cultural integrity of Port Gamble Bay for future generations.”**

**Thank You** – WA State Legislature, Port Gamble S’Klallam Tribe, Suquamish Tribe, Pope Resources/Olympic Property Group, Kitsap County, Forterra, Kitsap Forest and Bay Coalition, Puget Sound Restoration Fund, WA DFW, WA DNR, Kitsap PUD, Washington Conservation Corps, and soo many wonderful people and organizations!