

# The Beach The Jetty and The Cove

Westport, Washington

a presentation by



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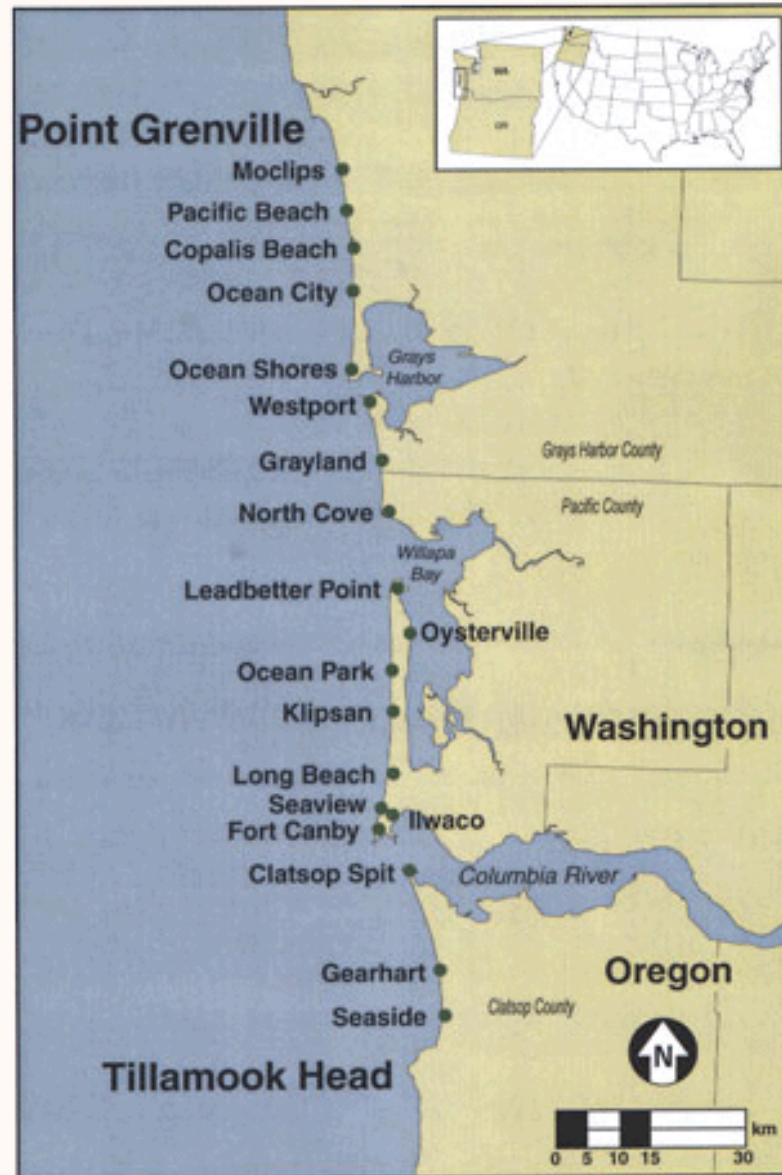
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Littoral Cell  
Extends  
Over 100  
miles  
across  
two states

## Columbia River Littoral Cell



# Active Erosion Spots





# Westport

Wet  
and  
Wild

Naturally







2003 1 7





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# Jetty Construction & Rehabilitation History

1898 Construction of the south jetty began.

1898 - 1904 Point Chehalis shoreline accreted and moved westerly a maximum of 3,000 ft just south of the jetty extending the land mass which later became Westhaven State Park.

1902 - Present. The Jetty has been lowered, raised, shortened and lengthened in an effort to stabilize the erosion and accretion effects at a taxpayer cost of 100's of millions of dollars.

# Recent Erosion Events

## Westhaven State Park

1987 Loss of Restroom and  
Parking Lot

1993 Breach at Jetty and Repair

1999 Current Erosion

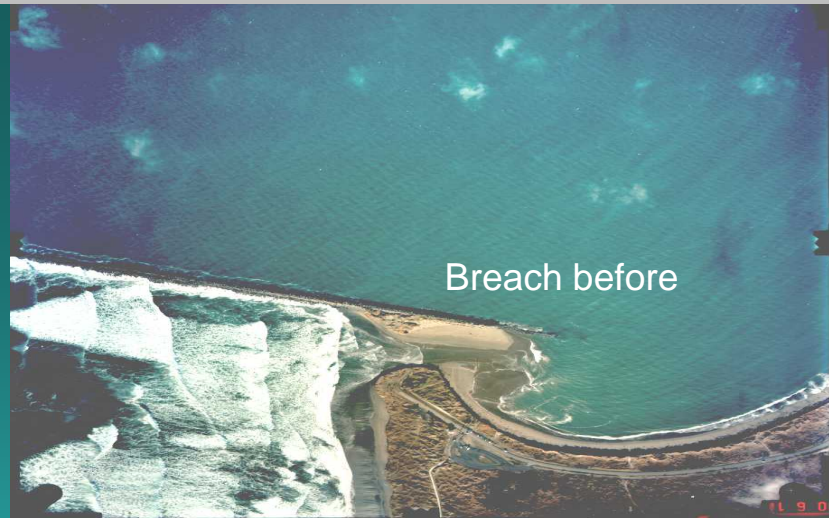


# 1987 Erosion at Westhaven

Winter storms washed away the restroom, two picnic sites and 25% of the paved parking at Westhaven State Park.

# 1993 Breach

\$1.3  
Million  
Taxpayer  
Repair





# Current Erosion

Since 1996  
Over \$12  
Million  
Taxpayer  
Dollars  
Spent &  
Climbing

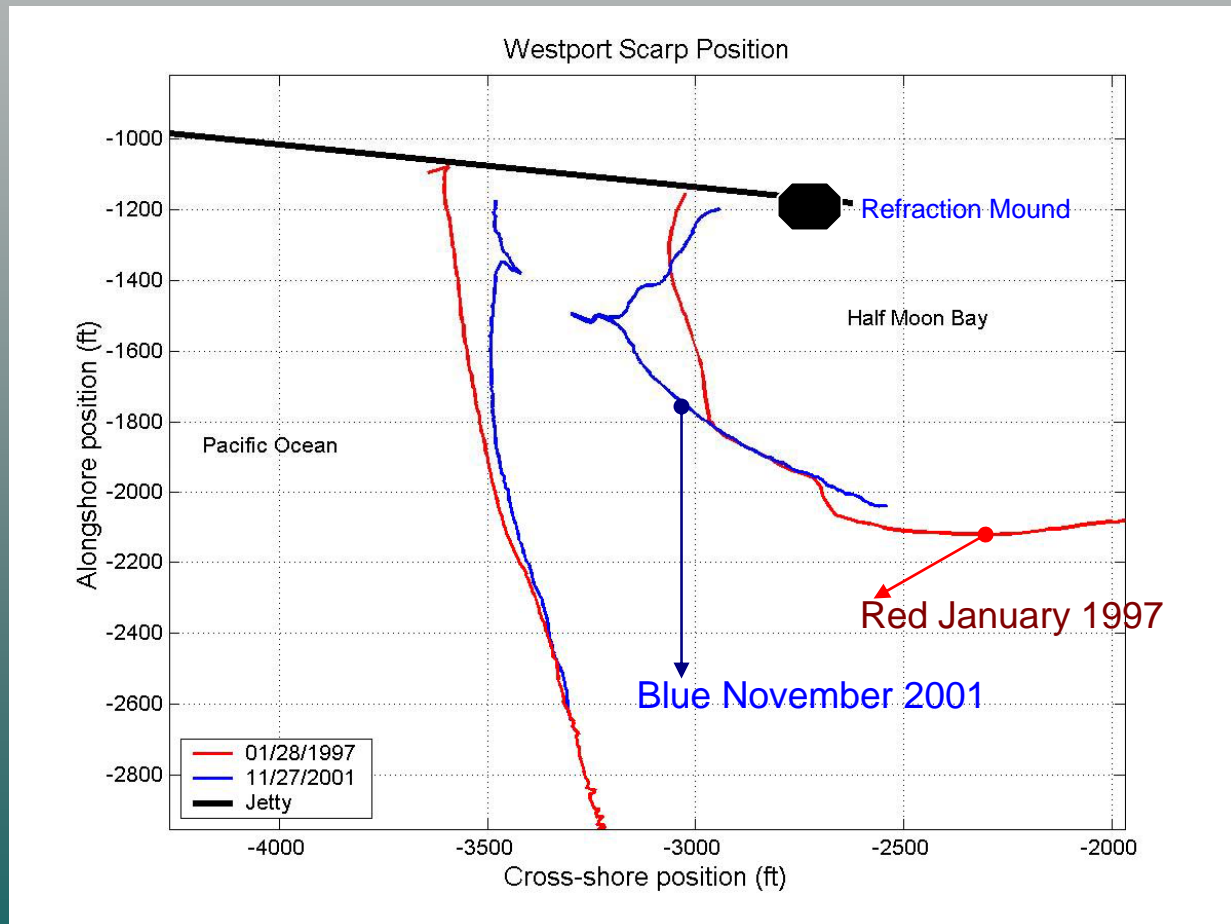


Photos January 2002





# 1997 and 2001 Erosion Lines



Drawing of mound not to scale

# Problem

Erosion is only a problem when humans alter the natural environment or build structures close to the beach/ dune system.





# Rockin' the beach

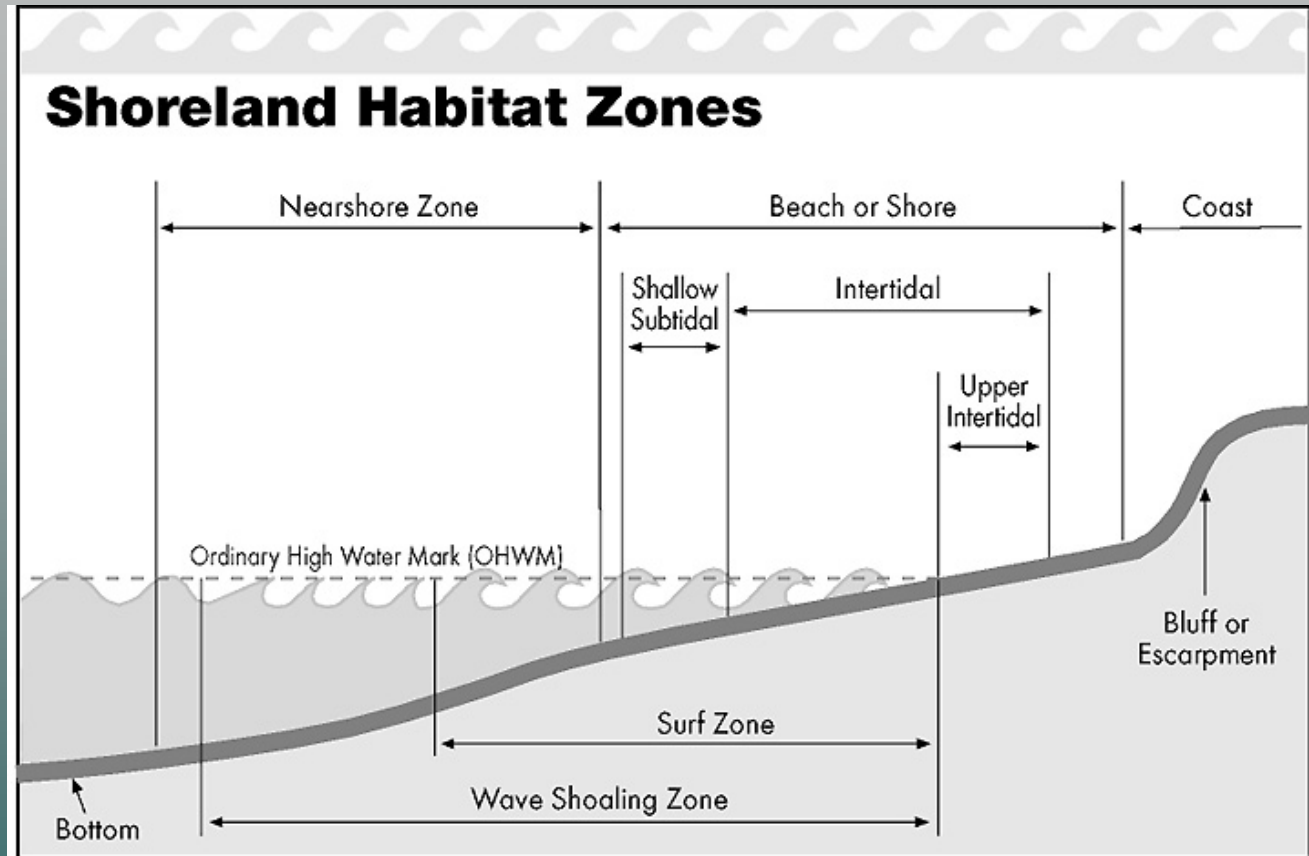
Not what  
surfriders,  
surf smelt,  
or the  
public

expects on a naturally sandy beach



What's  
at  
Risk?

Who's  
at  
Risk?





What's At Risk? Who's At Risk?

# Marine Resources and Beach Experience Activities



What's At Risk? Who's At Risk?

# Razor Clams

Dig events  
provide  
\$4.3 million





# Shellfish Culture

Shellfish  
Industry,  
including  
Oysters  
Provide \$7.3  
million and  
125 - 150  
family-wage  
jobs



What's At Risk? Who's At Risk?

# Surfing

Over 1,000 surfers per week hit the beach at Westport during the 12 month long “season” and support area businesses with millions of locally spent dollars.





What's At Risk? Who's At Risk?

# Parks and the Open Ocean Experience

Westhaven State Park  
Westport Light State  
Park are Washington  
State's most visited  
day-use parks with over  
1.2 million visitors per  
year.



What's At Risk? Who's At Risk?

# Interdunal Wetlands

These parks and the land that lies between them are part of an increasingly rare interdunal ecosystem of critical wetland habitat.



Photos January 7, 2003





2003 1 7





2002 3 13

•Herring Spawn

What's At Risk? Who's At Risk?

# Commercial and Sports Fishing

Salmon, bottom fishing, crabbing, and other marine related activities generate 10's of millions in local dollars.





What's At Risk? Who's At Risk?

# Watchable Wildlife

\$1.7 Billion spent annually Statewide, generating \$427 million in job income and \$57 million in state taxes.





# Solutions

Step back from  
the dynamic zone

Allow nature her  
space for the  
natural processes



# Keep our Coast Wet and Wild Naturally

