

# RESOURCES FOR SHORELINE PLANNERS

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Shoreline & Coastal Planners Group Forum

Edmonds, Washington

**PUGET SOUND INSTITUTE**  
UNIVERSITY *of* WASHINGTON | TACOMA

# Puget Sound Marine and Nearshore Grant Program

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- National Estuary Program funding
- “Effective Regulation and Stewardship” Investment Area
- Now transitioning to “Habitat Strategic Initiative Lead”



WASHINGTON STATE DEPARTMENT OF  
**Natural Resources**

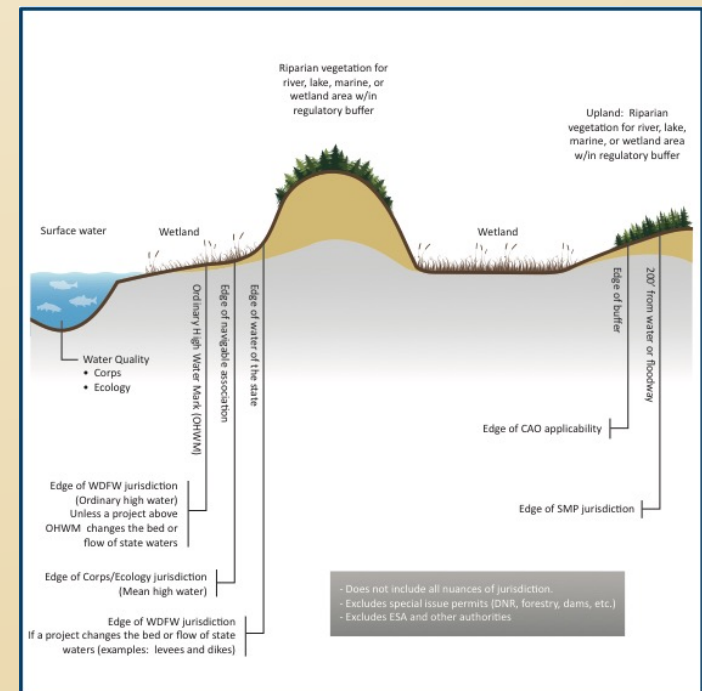
# Futurewise Practical Guides

## PRACTICAL GUIDE:

### INTERAGENCY COORDINATION IN IMPLEMENTING SHORELINE REGULATIONS

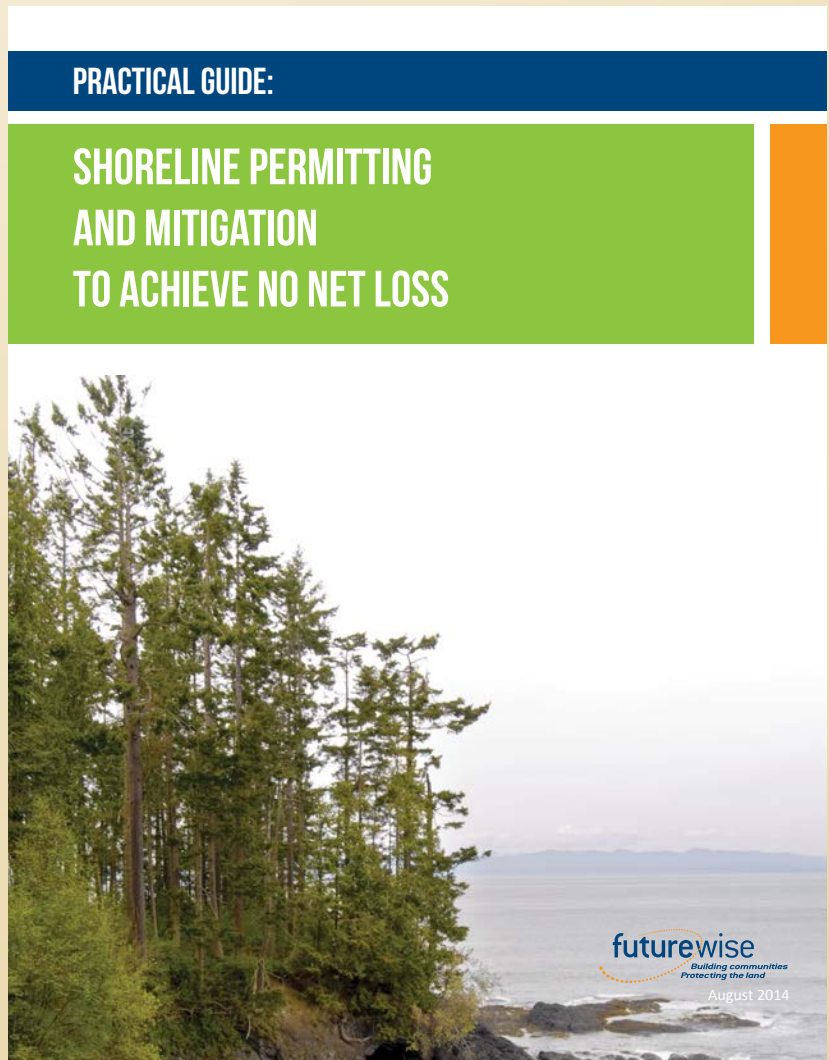


## ➤ Summary of 15 state/federal laws and agencies that implement them



# Futurewise Practical Guides

- Shoreline ecology basics
- Impacts of 11 common developments with recommended mitigation measures
- MSDG alternatives analysis framework and decision tree can support mitigation sequencing
- Links for GIS data portals



# Feeder Bluff Mapping

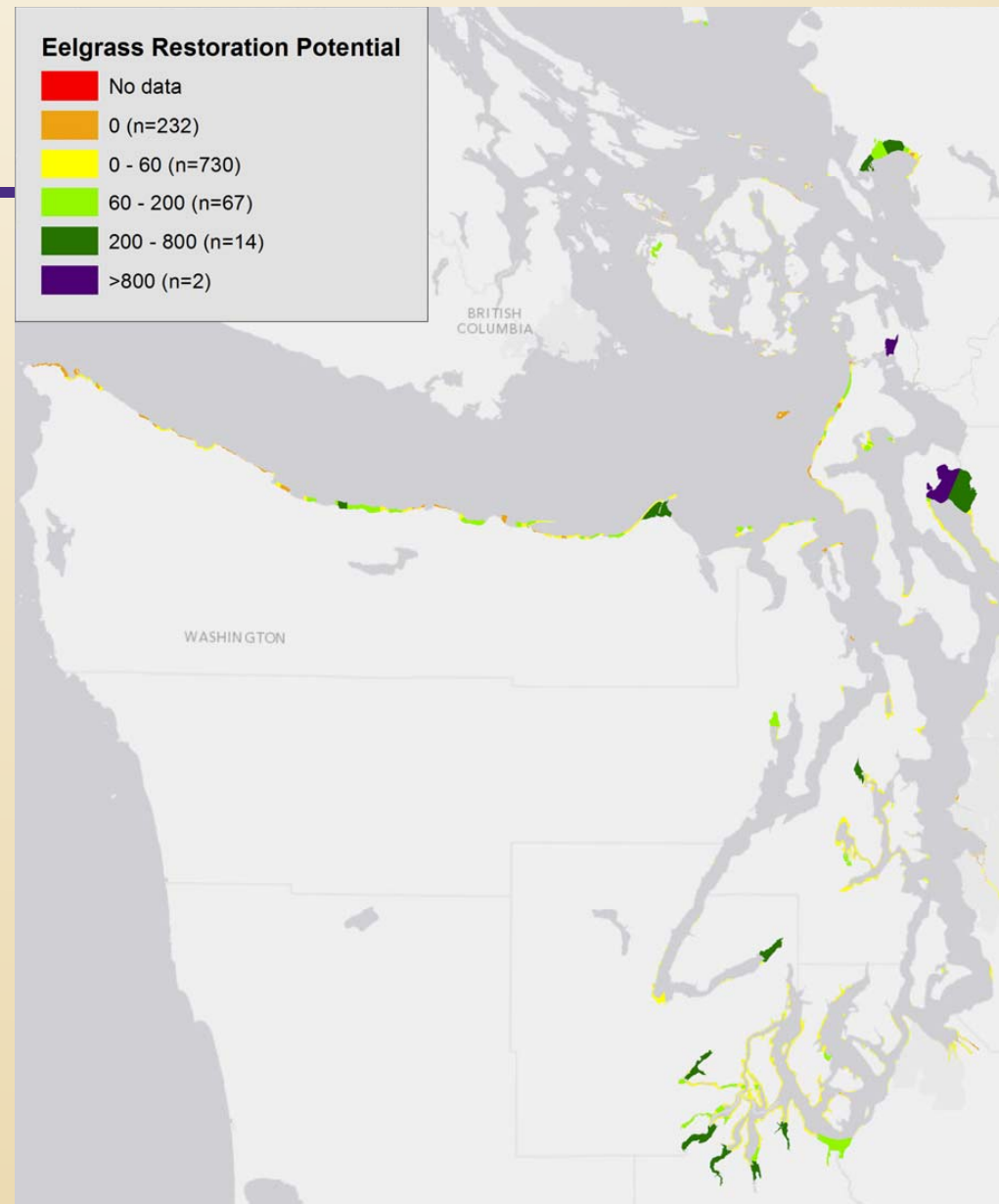


- Complete geospatial database of landforms for Puget Sound
- Data available on Ecology's Coastal Atlas website



# Eelgrass Model

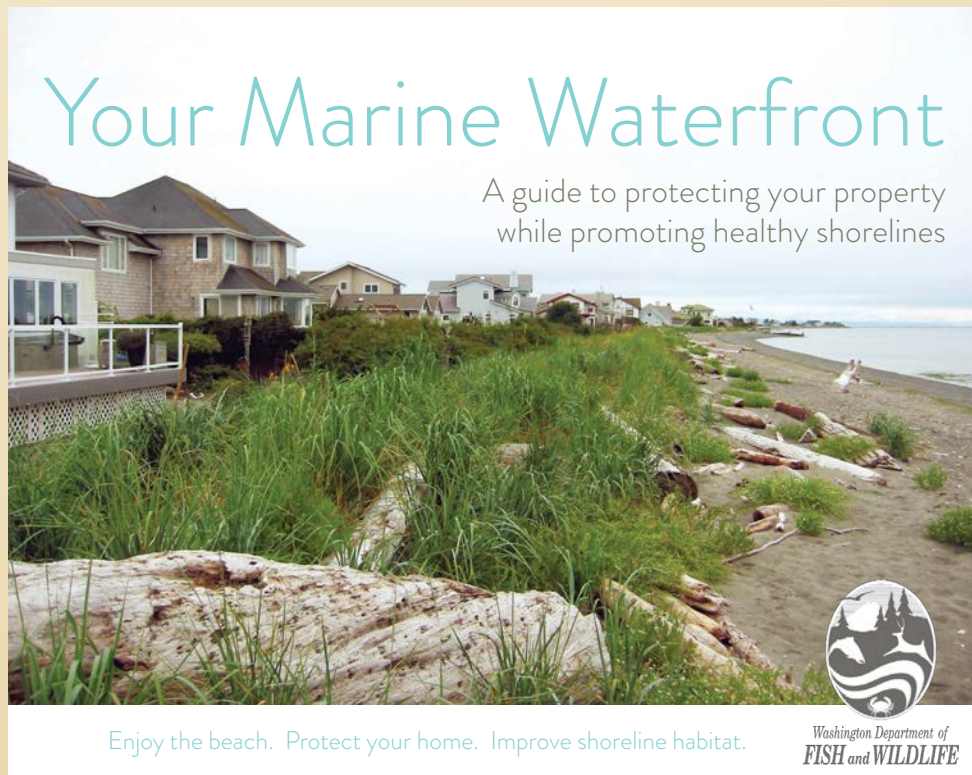
- PNNL model shows areas suitable for eelgrass
- Stressor abatement is critical in areas with high or moderate restoration potential
- Top stressors:
  - poor water quality
  - nutrient loading
  - dredging
  - overwater structures
  - mooring buoys



# Shore Friendly Social Marketing Campaign

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- Website with pre-application educational resources
- Technical assistance and financial incentives being tested in multiple jurisdictions



# Resources for Developing Incentive Programs



## Social Marketing How-To Guide for Shore Friendly Campaign Implementers

Prepared for: WA Department of Fish and Wildlife and WA State Department of Natural Resources

Prepared by: Colehour + Cohen, Applied Research Northwest, Social Marketing Services, Futurewise and Coastal Geologic Services

Prepared as part of the project: Social Marketing Strategy to Reduce Puget Sound Shoreline Armoring

COLEHOUR  
+ COHEN  
Public Relations & Social Marketing

APPLIED  
RESEARCH  
NORTHWEST

SOCIAL  
MARKETING  
SERVICES

futurewise  
Building communities  
Protecting the land

CGS  
COASTAL GEOLOGIC SERVICES

## PRACTICAL GUIDE:

## INCENTIVES TO HELP MEET PRIORITY SHORELINE RESTORATION AND PROTECTION OBJECTIVES



futurewise  
Building communities  
Protecting the land

August 2014



# Rethinking shoreline armoring

*A 6-part series of Salish Sea Currents magazine*

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Encyclopedia of  
**PUGET SOUND**

Forum proceedings online at <http://bit.ly/shoreforum-201603>

Links to all reports mentioned in this presentation are available now.

# Sea Level Rise Vulnerability Assessment

- Modeled future shoreline retreat due to sea level rise and increased erosion
- Spatial queries to identify infrastructure and buildings at risk
- Almost 20 miles of roads and 1,200 structures vulnerable

*Healthy Beaches for People and Fish:  
Protecting shorelines from the impacts of  
armoring today and rising seas tomorrow*

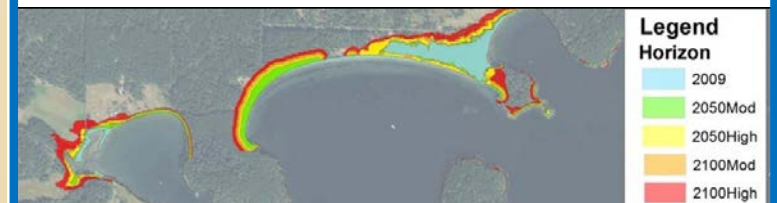


## Sea Level Rise Vulnerability in San Juan County, Washington

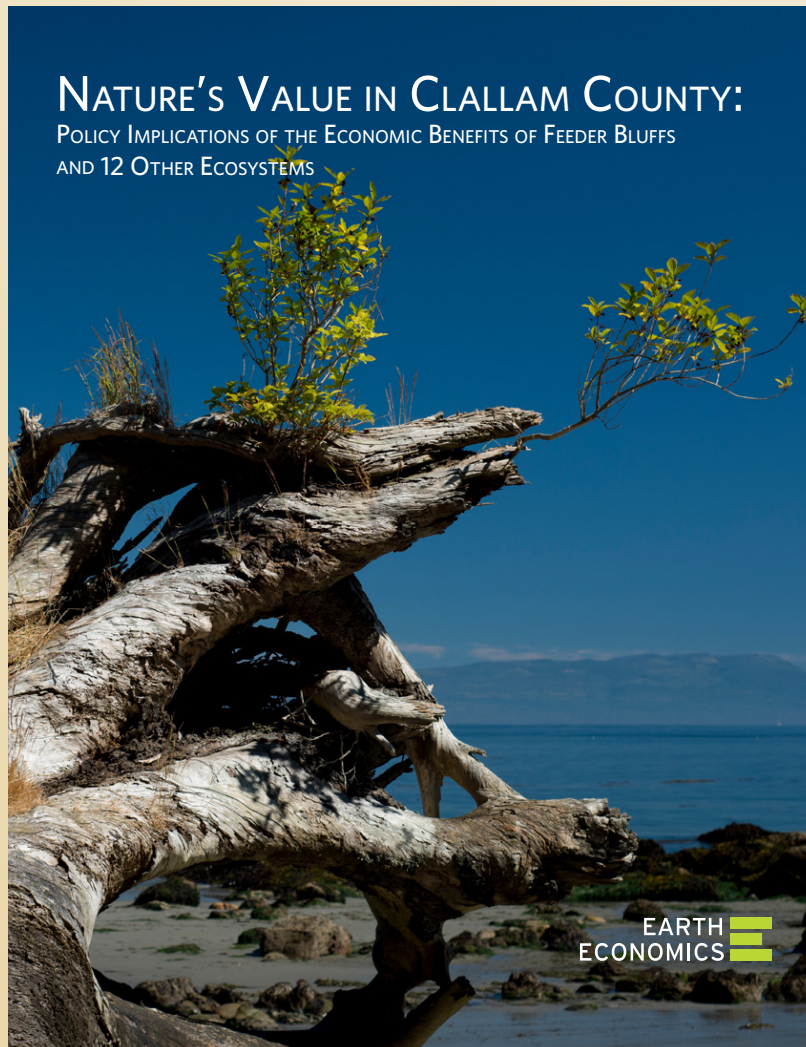
Prepared by: A. J. MacLennan, J. F. Waggoner, J. W. Johannessen,  
and S. A. Williams, Coastal Geologic Services Inc.

Prepared for: Friends of the San Juans

October 2013



# Ecosystem Services Valuation



- Calculated economic value of nearshore habitats
- Value of services provided by feeder bluffs
- Value of increasing marine riparian buffer width during SMP update

# Tracking and Monitoring

*Are we talking about  
the same thing?*

