RESOURCES FOR SHORELINE PLANNERS

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Puget Sound Marine and Nearshore Grant Program

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

PRACTICAL GUIDE:

SHORELINE PERMITTING AND MITIGATION TO ACHIEVE NO NET LOSS
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

**Eelgrass Restoration Potential**
- No data
- 0 (n=232)
- 0 - 60 (n=730)
- 60 - 200 (n=67)
- 200 - 800 (n=14)
- >800 (n=2)
Shore Friendly Social Marketing Campaign

- 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

PRACTICAL GUIDE:

INCENTIVES TO HELP MEET PRIORITY SHORELINE RESTORATION AND PROTECTION OBJECTIVES
Rethinking shoreline armoring
A 6-part series of Salish Sea Currents magazine

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
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?

UNPERMITTED

HPA (OHWM)

SMP (+200')

Did enforcement follow-up occur?

PERMITTED

Permit provisions and/or conditions implemented

Structure built to specs

Were resources protected?

Were provisions and/or conditions included in permit appropriate?

Structure suitable for MSDG risk level?