

Targeted Outreach to Prevent Negative Impacts from Shoreline Armoring October 9, 2014



partners in marine conservation

Over 27% of Puget Sound's shoreline is armored







Targeted Outreach

- Three "Living with the Coast" shoreline property owner workshops
- Jefferson County, Whatcom County, Whidbey Island
- Outreach focused on specific shoreline reaches designated at risk for new armoring
- All shoreline owners were welcome regardless of property location.
- On-line pre-registration survey provided information about participants' concerns, property types, and topics of interest.

Free Workshop for Whidbey Island Marine Shoreline Landowners

10:00 am to 3:00 pm Saturday, May 3, 2104

Coupeville Rec Hall 901 NW Alexander St Coupeville, WA

Reserve your spot today!

Register online:

https://www.surveymonkey.com/s/CX2DKJQ Register by phone: 360-733-1725 Register by email: kaufman@nwstraits.org



Living with the Coast:

Learn how you can protect and maintain your shoreline property. Workshop topics include:

- Beach and bluff processes
- Stewardship practices
- Native vegetation for slope stability & habitat
- Shoreline permitting and regulations
- Educational beach walk

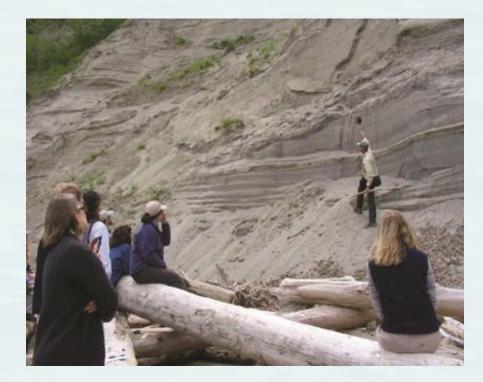
Learn more details: <u>www.nwstraits.org</u>

Free site visits also available: Qualified shoreline management professionals have been hired to help you learn specific actions you can take to protect your property (non-regulatory; conducted by private consultants). Sign up to receive information about obtaining a free site visit for your shoreline property by calling 360-733-1725 or completing a brief online survey at <u>https://www.surveymonkey.com/s/CX2DKJQ</u>. A limited number of site visits are available.



Targeted Outreach

- Incentives are needed to get landowners to make positive changes and move them from knowledge to action
- Free workshops
- Free field trip
- Story telling was encouraged to share experiences of living on the shoreline
- Free, non-regulatory private technical site visits





Workshop Topics

- Coastal processes and bluff processes
- How coastal habitats are formed and what they support
- Vegetation and drainage management
- Shoreline armoring types
- Alternative options to hard armoring





Site Visits

- Non-regulatory professional site visit
- 19 site visits occurred
- Participants receive a report with an assessment of their property and general suggestions for how to improve it without armoring.

	COASTAL GEOLOGIC SERVICES, INC.
COASTAL GEO	LOGIC SITE ASSESSMENT
For Site Add	Date <u>6/8/14</u> Time By <u>J'e</u>
Mailing	Phone w/ h Cell
BANK	
House Setback Deck/ Bank Height (approx) Vegetation Cover	~ 10 feet from bank crest (minimum distance) N end
Dominant Veg.	Him Blackberry, Noot ka rose Day Fir, De. spray, Mechan
Bank Geology	Dense saidy grovel + Basatt alder
Beach Access	Conc. path.
Slope Failures	None evident
Adjacent Bank	Varia
to to	Basalt No Bank
BEACH / BANK	TOE
Fetch (open water distance) High-tide Beach	<u>8-10</u> miles Shoretype <u>Loui Lank</u> <u>feet wide</u> <u>Pellie y miles sand</u> dominant sediment sizes
Depth of HT Beach	inches
Net-shore drift (sediment transport alongshore, net) Structures	$\frac{NE \cdot \omega \cdot \omega}{NE} \text{cell, near. origin / center (terminus)} = 5E - 5 - 1$ $\frac{NNE}{E} \text{drift direction}$ $\frac{E \cdot \omega}{E} \text{small anchard last}$
Evidence of erosion	None



Next Steps

- Funding has been secured to expand the program
- Continue to offer workshops and site visits
- Provide preliminary designs to several landowners willing to remove armoring and/or replace with alternatives to hard armoring
- Provide permitting assistance to those with preliminary designs
- Find future funding to assist landowners with removal and replacement costs











For more information

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