

PUGET SOUND

National Estuary Program

SHORELINE RESTORATION EFFECTIVENESS MONITORING

What are the long-term effects of shoreline restoration monitoring? We know some of the benefits of shoreline restoration including accumulation of large woody debris for natural beach stabilization and enhancement of forage fish spawning habitat. But there is a gap in having long-term data sets to better understand the results of restoration efforts over time.

What we're doing

Working with citizen volunteers we are conducting pre and post-construction surveys of shoreline armor removal sites contributing to long-term data sets to better understand the physical and biological responses to Puget Sound restoration efforts. Our efforts include:

- Training volunteer crews to assist with monitoring efforts
- Surveying beach profiles, sediment composition, log line, wrack line, riparian cover, forage fish spawn, fish use, and surface epifauna and algae
- Surveying new sites and continuing long-term monitoring at previously restored sites
- Producing case studies and other informative outreach materials for the public



Volunteers learning the "Two-stick Method" for measuring beach profile at Rosario Beach. Photo Credit: Jason Morgan



Volunteers learning surface epifauna and algae quadrat surveys at Washington Park. Photo Credit: Jason Morgan

WHAT YOU CAN DO

Nearly one-third of the region's shoreline is modified with armor. Much of it unnecessary for property protection and is causing significant harm to the Puget Sound ecosystem. Shoreline property owners can contact your [local Shore Friendly program](#) county or conservation district to learn about alternatives and resources available to you.

Interested in volunteering and being a part of our work? Contact the Northwest Straits Foundation to learn more.

ABOUT NORTHWEST STRAITS FOUNDATION

Northwest Straits Foundation is the non-profit partner of the Northwest Straits Initiative and works with the seven county-based Marine Resources Committees to protect and restore marine waters, habitats, and species to achieve ecosystem health and sustainable resource use.

FOR MORE INFORMATION

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