

PUGET SOUND

National Estuary Program

SHORELINE MONITORING TOOLBOX PROTOCOL IMPLEMENTATION AND DATA MANAGEMENT

The Shoreline Monitoring Toolbox provides standardized approaches to monitor shorelines in Puget Sound. Groups have been incorporating protocols into their shoreline monitoring plans, and there is a need to develop resources that will further toolbox implementation and broaden results.

What we're doing

The main objective of this project is to inform success of shoreline armoring removal. This project will:

- Create a database for the input and processing of data collected using Toolbox protocols.
- Train partners in protocols and database use.
- Engage partners and practitioners in developing the database.
- Produce recommendations on next steps to use the database for assessing restoration effectiveness.



WHY IS THIS ISSUE IMPORTANT

The development of a database and expansion of the toolbox will generate information that can be used in guidance to encourage more armoring removals, and will provide an adaptive management framework to evaluate effectiveness of future restoration projects.

WHAT YOU CAN DO

Participate in trainings on protocol and database use, and outreach on toolbox activities. Incorporate protocols into monitoring plans. Engage citizen science groups to expand monitoring capacity.

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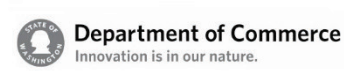
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FOR MORE INFORMATION

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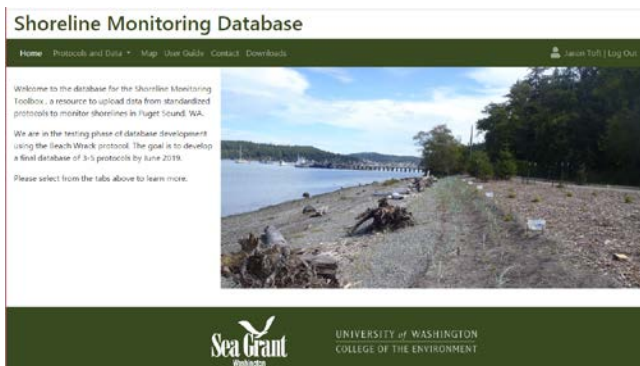
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Shoreline Monitoring Toolbox Protocol Implementation and Data Management

We created a database for the Shoreline Monitoring Toolbox, a resource to upload data from standardized protocols to monitor shorelines in Puget Sound, WA.

Project outcomes

- The database has been created based on four protocols - Beach Wrack, Insects, Logs, and Riparian Vegetation.
- Each of these protocols has data upload and download capabilities for users.
- A map displays locations of data collection.



Success stories

Twelve organizations have participated in data uploads/downloads via the database. Outreach has focused on user engagement and training of protocol use as well as data upload. [Engagement of volunteers](#) has been a goal, expanding the impact of citizen science volunteers in the community.



FUTURE OPPORTUNITIES

The project is continuing with funding from NTA 2018-0525. The main objective of this next phase is to inform effectiveness of shoreline restoration. This project will:

- Expand the number of protocols and amount of data in the database.
- Provide users with enhanced online functionality and visualization of data on the website.
- Analyze and interpret data.

Contact us if you wish to incorporate protocols into monitoring plans, and/or engage citizen science groups to expand monitoring capacity.

LINKS

shoremonitoring.org

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Project based on NTA 2016-0119



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