

Citizen Science Program + partners	DESCRIPTION
Sound Toxins (NOAA and Sea Grant)	Volunteers collect plankton and water quality samples at four sites, ID phytoplankton, and preserve nutrient and toxins samples for further analysis. Part of a Sound-wide study of harmful algal blooms (HABs). Data owned by NOAA.
BEACH (Jeff Co Public Health, Dept.s of Health and Ecology, EPA grant funded)	In partnership with WA Departments of Health and Ecology, volunteers collect water samples weekly from May to September from Fort Worden beaches to be tested for fecal bacteria. Data is owned by the BEACH program.
Sea Star Wasting (UC Santa Cruz - MARINE program)	PTMSC volunteers track the condition of selected sea stars in our exhibit tanks. One volunteer monitors a sub-tidal plot at Indian Island. All data is owned and managed by PTMSC. We share data with the MARINE program from University of California, Santa Cruz.
Mussel Monitoring (WDFW)	Stormwater monitoring: putting cages with mussels in them out in the winter at zero tide height. Research focus changes each year, but the project set up has been similar for the past few seasons.
Beach Clean-ups (Coastal clean-up)	Port Townsend and area beach clean-ups, with marine debris data collection contributing to the Ocean Conservancy's database.
MMSN (NOAA)	As a NOAA designated regional stranding network, PTMSC staff and volunteers respond to stranding reports, keep shoreline users at a safe distance, and collect data from dead animals. PTMSC covers the shoreline from Brinnon to Dungeness Spit, WA.
MMSN - bones (NOAA)	Periodically we process a dead marine mammal to use for display in our exhibit, or for educational programs. Our agreement with NOAA allows us to curate these items.
Intertidal Monitoring (DNR, RE-Sources and Cape George community)	Annual project to monitor the intertidal area of a permanent plot. At least two beaches per year: Cape George Beach (within the PIAR) and Kinzie Beach at Ft Worden.
Ocean Acidification (WDFW)	WA DFW project: OA Monitoring clams; recruit volunteers to work directly with WDFW. AKA Clam Clan
ALEA pinto abalone (PSRF)	Monitoring number and size of pinto abalone as part of PSRF project; serve as satellite nursery
INaturalist Bioblitz	Annual CitSci project surveying flora and fauna in Fort Worden State Park, entering all data in iNaturalist app.
Shoreline (My Coast)	Photos from pier of shoreline to the south. NASA/GLOBE may be interested in working with us using these images.
Orcasound (Salish Sea Hydrophone Network)	We have two hydrophones on the pier. The sounds can be listened to live via orcasound.net app or online.
Recent past projects	
ALEA--eelgrass	Survey inside the pier to get a sense of the eelgrass bed current size and condition in anticipation of possible pier removal.
Puget Sound Seabird Survey (Seattle and Admiralty Audubon)	Experienced PTMSC volunteer birders participate in monthly seabird counts at Point Wilson, Fort Townsend, and Fort Flagler as part of a Sound-wide survey organized by Seattle Audubon. Baseline data will serve as a reference in the event of a major oil spill. Data is owned and managed by Seattle Audubon and shared openly with volunteers and the public. Discontinued in 2022 by Seattle Audubon.
Protection Island Aquatic Reserve (DNR)	Avian and marine mammal monitoring; eagle and seal counts (from boat of what is on the island), cruise data (collected during Wildlife cruises with PSE, data is tracked and compiled here)