

Assessing Vulnerability



Coastal flooding at Swantown, Whidbey Island

Photo: Hugh Shipman, WA Dept. of Ecology

- Puget Sound Parcel-Scale Vulnerability Assessment
- Northwest Climate Resilience Collaborative (NCRC) Tribal Coastal Resilience Portfolio (Tribal Climate Adaptation Needs Assessment)
- Economic and social vulnerability

Connecting, Advancing and Training

- Coastal Hazards Resilience Network (CHRN)
- Washington Coastal Training Program
- State and national panels and workgroups (Examples: Pacific County MRC, Washington Coast Restoration and Resilience Initiative Steering Committee, NOAA Tsunami Science and Technology Advisory Panel, National Tsunami Hazard Mitigation Program, USGS Powell Center Workgroups)

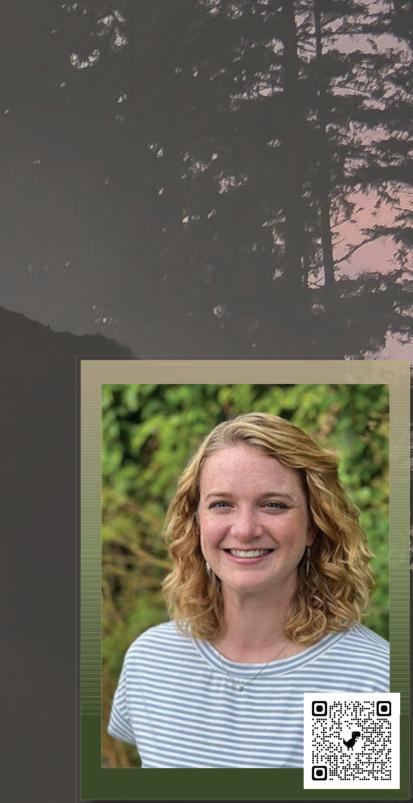


Support for community adaptation & resilience

- Coastal Hazards Organizational Resilience Team (COHORT)
- NEW Coastal Resilience Fellow program
- NFWF Lower Columbia River Project (Bay to Bay)

NFWF: Bay to Bay: Community-Based Hazards and Habitat Resilience Planning in the Columbia **River Estuary**





Chandler Countryman **Resilience and Adaptation** Specialist



Sydney Fishman **Coastal Management** Specialist





Ian Miller **Coastal Hazards Specialist**



Jessika Tantisook Economic Recovery Corps

National Fish and Wildlife Foundation (NFWF) Lower Willapa Resilience Project

CORAL Project **Coastal Opportunities for Resilience and Livlihood**

Overview

CORAL is a "blue economy" initiative that brings together maritime partners from across the Washington State Coast. The partners are working on projects that will create new maritime businesses, reuse historic seafood processing facilities, identify the full potential of the marine trade center, develop tribal shellfish aquaculture, and provide job training, entrepreneurial skills, and trade certifications. CORAL is a part of the inaugural Economic Recovery Corps (ERC) program - a 2.5 year economic development fellowship program designed to accelerate recovery from the COVID-19 pandemic in distressed regions throughout the U.S. ERC connects host organizations with needed talent and capacity to advance new ways of doing economic development that promote economic resilience and transformative change.



and helping small businesses develop and enact equity-driven strategic plans.

CORAL's Partners & Projects

	Project Title	Partner Organization	Location	Project Fo
1	Marine Training Center	Port of Port Angeles	Port Angeles	Support pro
2	Marine Trade Training	Grays Harbor Historical Seaport	Grays Harbor	Increase pr
3	Entrepreneurial Incubator	Greater Grays Harbor Inc. Pacific County EDC	Grays Harbor Pacific County	Building Secure
4	Shellfish Aquaculture Expansion	Shoalwater Bay Tribal Enterprise	Tokeland	Aid funding
5	Bendiksen Landing Site Support	Port of Willapa Harbor	South Bend	Create and
6	Marine Economy Visioning	WA SeaGrant	WA Coast	Report on k

ECONOMIC CORPS

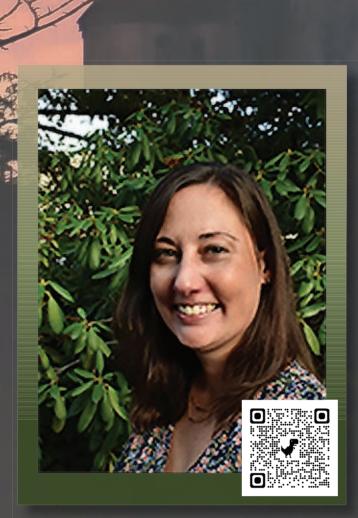
The Coastal Resilience Team at Washington Sea Grant focuses on building the "resilience" of Washington's coastal communities, which we define as the ability of a system (a community or natural ecosystem) to thrive in the face of stresses imposed by coastal hazards (like flooding, erosion and earthquake-driven disasters) and changing ecological and social conditions (things like economies, or demographics, or cultural inequities). We are a multidisciplinary group of experts dedicated to supporting communities as they work towards understanding, reducing and adapting to the impacts of coastal hazards and changing conditions on the coast. Together, we collaborate with partners to assess coastal community vulnerability, assist in developing solutions, and educate communities about current and future risk through community-led decision-making processes.







Carrie Garrison-Laney Coastal Hazards Specialist and NOAA PMEL Liaison



Bridget Trosin **Coastal Policy Specialist**

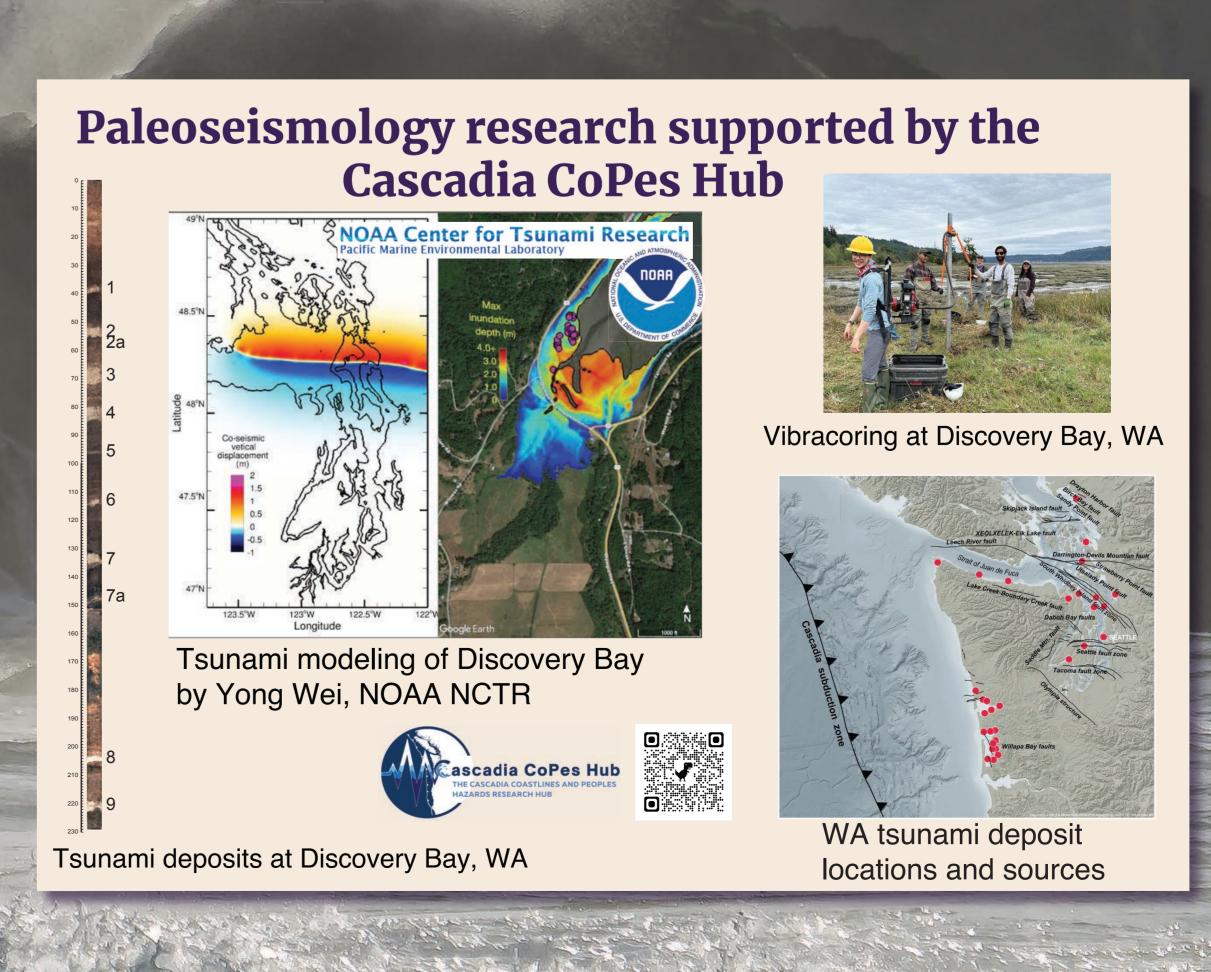




Hazard exposure assessment









Jess Tantisook (MBA) has been working in community development for 15 years. Her experience includes starting and operating a small business, directing a regional food systems-focused non-profit

WA Sea Grant (WSG) is a partnership between University of Washington and NOAA. WSG funds high quality marine research and working with communities, businesses, educators and the public to advance regional understanding and sustainable use of ocean and coastal resources.

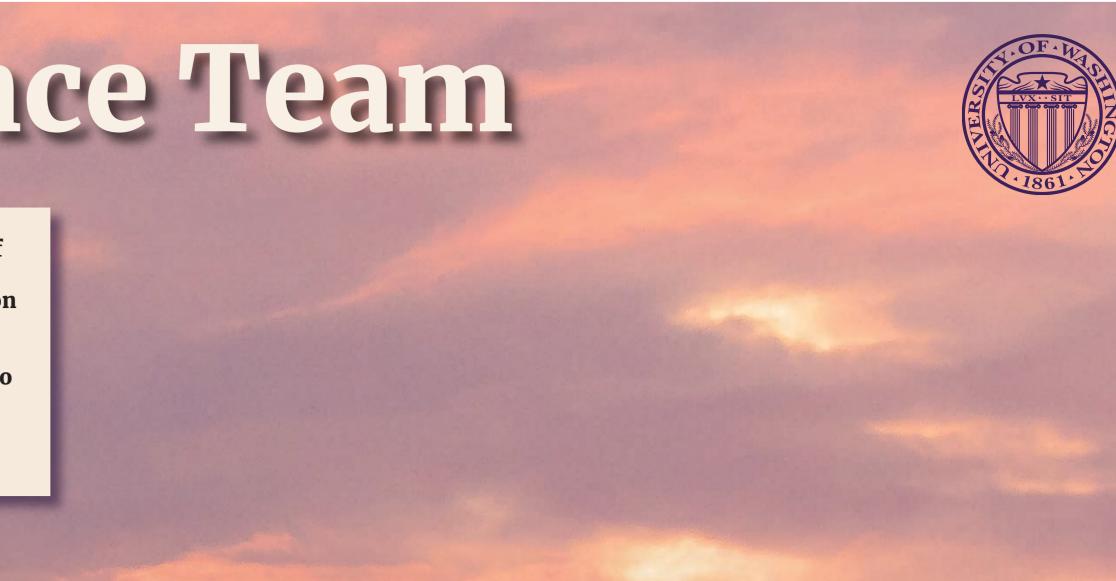
Within the vast work of the project partners, CORAL specifically focuses on six key projects:



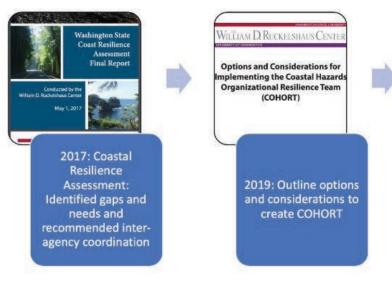


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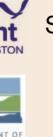


Washington State's Interagency COHORT





• Enhances community resilience to natural hazards • Assists in aligning key resources, technical assistance, and expertise • Facilitates governmental and academic collaboration and cross-fertilization of ideas Coordinates strategic investment in projects and programs Improve public understanding and access to information



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Coast and Oceans Management Unit Jay Krienitz, Henry Bell, Olivia Zimmerman, Naomi Gebo



Christina Sanders, Mike Gaffney Ellen Chappelka

Kayla Wells-Yakum

- CoSMoS: outreach & engagement SLR projections
- Tsunami source and recurrence research

Cascadia CoPES Hub coastal hazard research and community outreach Photo: Ian Miller, WSG

USGS Coastal Storm Modeling System (CoSMoS)