WA State's Scientific Resources

UNIVERSITY of WASHINGTON

























US Army Corps of Engineers_®



Science & climate risk management

The magnitude and rate of climate change depends on atmospheric greenhouse gas levels

The severity of local impacts depends on the degree of preparation for changing conditions, e.g.:

- Reducing climate sensitivity of mid- to long-term investments
- Adjusting ongoing planning, operations & management processes





Ocean acidification conservation hatchery for learning & mitigation strategy testing

Multiyear experiments and modeling to test use of vegetationbased systems for remediation.









Cutting-edge sea level rise projections will provide:

- Increased detail about local rates of sea level rise
- Probabilistic framework for addressing sea level rise impacts

Communities across the Puget Sound are building capacity for incorporating advanced sea level rise projections in local risk assessment and response

Washington Sea Grant • Washington Department of Ecology • Island County • The City of Tacoma • Padilla Bay National Estuary Research Reserve • NOAA Office for Coastal Management • The Nature Conservancy • U.S. Geological Survey • University of Oregon • University of Washington Climate Impacts Group • University of Washington Department of Earth and Space Sciences • Washington Department of Fish and Wildlife

Funding Provided by NOAA Regional Coastal Resilience Grants Program



Research on alternate forest treatment strategy impact on fire behavior and post-fire recovery

Adjustments in restoration strategies to align with changing conditions The Okanogan-Wenatchee

United States Department of Agriculture

Pacific Northwes Region

UAS

 National Forest Restoration Strategy: adaptive ecosystem management to restore landscape resiliency

2012 Version

Okanogan-Wenatchee National Forest November 2012











The Climate Impacts Group cig.uw.edu

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