

September 2024



Pacific Northwest Coastal Hazards Resources Newsletter

Good morning everyone,

Please find our monthly newsletter which is the result of joint efforts between Oregon Sea Grant's Oregon Coastal Hazards (OCHR) Library & Mapper, the Cascadia Coastlines & People Hazards Research Hub (Cascadia CoPes Hub), and the Washington Coastal Hazards Resilience Network (CHRN).

The newsletter issues will be archived in the [OCHR Mapper](#), the [Cascadia CoPes Hub](#), and the [CHRN](#) websites.

If you have anything to add to the next newsletter please share with [Felicia](#) by **September 23, 2024**. If you want to receive the newsletter, please subscribe to the OCHR Mapper listserv [here](#) or to the CHRN listserv [here](#). If you have an event that is happening from now until the next issue, please send your message directly to the [OCHR Mapper listserv](#), the [CHRN listserv](#), or to [Felicia](#).

Other comments and suggestions are appreciated, as well.

Sincerely,

[Felicia Olmeta Schult](#), Extension Coastal Hazards Specialist, Oregon Sea Grant

[Ali Burgos](#), Project Manager, Cascadia CoPes Hub

[Chandler Countryman](#), Resilience and Adaptation Specialist, WA Sea Grant

[Noah Linck](#), WA Sea Grant Hershman Fellow, WA State Department of Ecology

Announcements

National Preparedness Month is an observance each September to raise awareness about the importance of preparing for disasters and emergencies that could happen at any time. This September, Ready Campaign's 2024 National Preparedness Month will focus on Asian American, Native Hawaiian, and Pacific Islander communities. In [this video](#), FEMA Administrator Deanne Criswell highlights why it is important for this diverse community to prepare for disasters and build resilience before disaster strikes.

2024 Great ShakeOut Earthquake Drills. This year's International ShakeOut Day is October 17, when millions of people worldwide will participate in earthquake drills at work, school, or home! At 10:17 a.m. (local time) on 10/17, you can join millions of people across the world practicing [earthquake safety](#). [Learn more and register here](#).

Congratulations Oregon Coastal Futures (OCF) Project! The OCF project was recognized as one of four regional winners of the Outreach Scholarship W.K. Kellogg Foundation Engagement Award! They will compete for the C. Peter Magrath Community Engagement Scholarship Award, the top honor nationally for this type of initiative. CEOAS professor Peter Ruggiero leads the project, which includes team members John Bolte (College of Ag Sci), Patrick Corcoran (CEOAS), Daniel T. Cox (College of Engineering), Steven J. Dundas (College of Ag Sci), Felicia Olmeta Schult (CEOAS), and Jenna Tilt (CEOAS). See the [OSU press release about the Oregon Coastal Futures project being recognized with the regional award](#).

National Estuaries Week September 21-28, 2024. National Estuaries Week started in 1988 as National Estuaries Day as a way to recognize the importance of our nation's estuaries and the resources they provide. You can participate in National Estuaries Week including by hosting a restoration project at your local estuary and submit the project description to this [form](#) to be featured in the 2024 National Estuaries Week Project Map. [Learn more here](#).

Climate Change Regional Profiles and Social Vulnerability Assessment Available for Review. With funds from the 2021 legislative session, Department of Land Conservation and Development (DLCD) staff were pleased to have led the development of the state's first Climate Change Social Vulnerability Assessment. In addition to support from the University of Oregon and the Oregon Climate Change Research Institute, DLCD thanks community members around the state for responding to surveys and participating in regional workshops. Please see the

[assessment online](#). Check out and share the regional profiles on climate change prepared by the Oregon Climate Change Research Institute.

[All posters](#)

- [Oregon's Coast](#) ([En español](#))
- [Mid to Northern Willamette Valley](#) ([En español](#))
- [Mid to Southern Willamette Valley](#) ([En español](#))
- [Southern Oregon](#) ([En español](#))
- [Mid Columbia Region](#) ([En español](#))
- [Central Oregon](#) ([En español](#))
- [Northeastern Oregon](#) ([En español](#))
- [Southeastern Oregon](#) ([En español](#))

Comments are welcome by email to Christine Shirley at Christine.shirley@dlcd.oregon.gov. Members of DLCD's Tribal Liaison Team continue to engage with Oregon's federally recognized tribes on this social vulnerability assessment. If you are aware of a climate change vulnerability assessment in Oregon by another state agency, non-profit or community organization, we would also like to hear from you!

Governor Kotek Visits Confederated Tribes of Coos, Lower Umpqua and Siuslaw Indians.

The governor traveled to haich ikt'at'tuu (formerly Waite Ranch) where the Siuslaw Estuary Restoration Project is located. The McKenzie River Trust partnered with CTCLUSI to develop the restoration project and purchased the Waite Ranch property with funding from the Oregon Watershed Enhancement Board (OWEB). OWEB also holds a conservation easement on the property. Historically, the Siuslaw Basin was one of the most productive watersheds for anadromous fish in the Pacific Northwest. Press release [here](#). Learn more about the haich ikt'at'tuu project in the OCHR Mapper under Case Studies [here](#).

FEMA Solicits Feedback on Updating the National Flood Insurance Program's Community Rating System Mitigation Incentive Program. FEMA [solicited feedback](#) on updating the National Flood Insurance Program's Community Rating System mitigation incentive program. The CRS offers premium discounts for NFIP policyholders in communities that implement eligible flood hazard mitigation practices. Comments may be submitted via [Regulations.gov](https://www.fema.gov/regulations) until **Monday, September 9, 2024**.

Upcoming Webinars, Meetings & Events

September 5, 2024 - 9:00 - 10:00 am PT. Cascadia CoPes Hub and Cascadia Coastal Hazards RCN Seminar Series: "Optimizing Nonmarket Ecosystem Service Flows from Coastal Landscapes Under Climate Change" - Steven Dundas (Oregon State University). Register [here](#).

September 5, 2024 - 10:00 - 11:30 am PT. FEMA Policy to Action Webinar: Putting Plans to Work Through Plan Implementation. Building a strong hazard mitigation planning framework is

crucial to advancing mitigation. FEMA's webinar covers the benefits of plan implementation and the tools to get there through several guest speaker presentations. Register [here](#).

September 10, 2024 - 10:00 - 11:00 am PT. Natural Hazards Center: Heat, Housing, and Human Risk: Lessons from the Home Forward Temperature Assessment. Register [here](#).

September 17, 2024 - 1:00 - 2:00 pm PT. WA Coastal Hazards Resilience Network (CHRN) Lunch & Learn: Whatcom County Compound Flood Vulnerability Assessment - A USGS CoSMoS Use Case in Washington. Kurt Baumgarten (Environmental Planner for the Port of Bellingham) and Chris Elder (Watershed Planner for Whatcom County's Public Works Department) will talk about the process for completing this vulnerability assessment, including insight of the collaboration between the city, the county and the port. They will also discuss how they used CoSMoS data in the assessment. Register in advance for this Lunch & Learn [here](#). CHRN coordinators will be available for 45 min after each CHRN Lunch & Learn event for the **Open Forum/Drop-in**, see Lunch and Learn Series page [here](#). Anyone is invited to hop in to these! Drop-in to ask questions, provide updates, or just to say hello! Join the upcoming September virtual office hours [here](#).

September 19, 2024 - 10:00 - 11:00 am PT. Webinar: Be a Better Coastal Adaptation Practitioner with Behavior Change. Presented by: Caroly Shumway of the Center for Behavior and Climate (CBC). Register [here](#).

September 19 from 10:00 a.m. - 12:00 p.m. PT. Washington's Greatest Hits: Volcanoes, Earthquakes, Tsunamis, and More! Join Serve Washington and subject matter experts from the Washington State Emergency Management Division as they discuss Washington State's greatest natural hazard hits - volcanoes, earthquakes, tsunamis, and more on this webinar! Topics covered will include how to know if you're in a hazard zone, how to get alerts, and how to prepare yourself and your loved ones for emergencies large and small. Advance registration not required, learn more [here](#)

September 19, 2024 - 11:00 - 11:40 a.m. PT. Third Thursday Tips - Under the Bed FEMA webinar. Register [here](#).

Webinar Recording: Becoming a Hazards and Disaster Professional: Steps for Students. Watch this recorded webinar to learn strategies for students interested in disaster risk reduction and hazard mitigation practice or practice-based research. Watch [here](#).

Webinar Recording: A Missing Ingredient: Adding Capacity to the Federal Vulnerability Mapping Mix. Watch this recorded webinar that details how a community's capacity to plan, fund, and maintain disaster risk reduction projects could augment vulnerability maps and result in more strategic grants and investments in infrastructure. Watch [here](#).

Webinar Recording: Strengthening Indigenous America: Building Resilience through Disaster Preparedness, Response, and Recovery recording is now available [here](#).

Workshops & Training

NEW - Sep 25, 2024 - Sep 26, 2024, 1:00pm - 4:00pm Eastern. Virtual - Facilitation Basics for Coastal Managers. NOAA Office for Coastal Management. Learn more [here](#). For additional information or to register, email Jan.Kucklick@noaa.gov.

NEW - Starting September 30, 2024. Udall Foundation - Understanding Conflict and Planning for Successful Collaboration. This instructor-led training is offered virtually (5 sessions or in-person (2 days) starting September 30th by the Udall Foundation National Center for Environmental Conflict Resolution. Participants in this course will develop an understanding of the many facets of environmental collaboration and conflict resolution practicing collaborative communication skills that help foster long term relationships. [Register here](#).

NEW - October 3–4 and 11: online (register [here](#)) and **November 7–8: Portland** (register [here](#)) **Reflective Conversation Trainings.** Sign up for virtual and in person trainings this fall. Want to learn how to lead conversations between people who have different beliefs, experiences, and backgrounds? Join us for a [Reflective Conversation Training](#) to develop your facilitation skills, practice new techniques, and learn to design and lead conversations that allow people to discuss important issues and learn more about themselves and others. .

NEW - Thursday October 24 – Friday October 25. Washington Habitat Strategic Initiative Lead Sea Level Rise Forum. HSIL is hosting a forum on understanding and planning for sea level rise and climate related hazards to shorelines in Puget Sound. HSIL is inviting habitat restoration and protection practitioners from across Puget Sound to connect with tools, programs, and people to advance planning for climate impacts and resilient habitat in the Puget Sound. Register [here](#).

NEW - November 7th-8th, 2024. Workshop *From hazard to risk: The science of planning for future tsunamis*. The Cascadia Region Earthquake Science Center (CRESCENT) is pleased to announce this upcoming workshop, taking place in Eugene, Oregon. The workshop is meant to be an intimate gathering of experts to discuss specific topics of interest to CRESCENT's science goals. It will gather scientists from the geoscience and engineering fields, as well as interested community members and industry participants. If you are interested in attending please [register here](#). If you have any questions about the workshop, please let us know at isepulveda@sdsu.edu.

November 12-14, 2024. Coastal Inundation Community of Practice Workshop. Seattle WA Registration is open but by invitation only due to capacity. Learn more [here](#). Please reach out to OCM.SG@noaa.gov with questions. The deadline to register is **October 1, 2024**.

NEW - November 14 and January 14, 8:30 am to 2:00 pm PT. Delivering an Effective Presentation to Decision-Makers. Cathay Angell Communications. This class is especially geared for city and county employees or others who have to make presentations to commissioners, council members, and boards. **Special discount of 20% off the price if you register by September 30.** Please use the code MailingList20 when registering. Class offered twice virtually with public registration on. Cost: \$213. [Register here.](#)

NEW - January 8-9, 2025. The U.S. Geological Survey will host an in-person meeting focused on subduction zone science at the University of Washington in Seattle. Sessions will highlight new research, data, and scientific questions related to USGS priorities in subduction zones within the U.S. and globally. Topics will include earthquake rupture processes and recurrence, ground motions, volcanic systems, cascading hazards, onshore/offshore structure, and societally relevant hazards science. Additional information on session topics, schedule, and a call for talks and posters will come in Fall 2024. Please stay tuned for future e-mails regarding registration and meeting details, and share this announcement with colleagues!

Upcoming Conferences

NEW - January 15-17, 2025. West Coast Ocean Alliance Annual Summit Proposals. WCOA is holding a 2.5 day in-person Annual Summit at Quinault Beach Resort in Ocean Shores, WA. The full RFP is linked [here](#).

September 9-12, 2024. National Tribal & Indigenous Climate Conference. Anchorage, Alaska. [Learn more here.](#) Registration is open!

September 10-14, 2024. Association of Environmental & Engineering Geologists. 67th Annual Meeting. Philadelphia, PA. [Learn more here.](#)

September 22-25, 2024. Geological Society of America Annual Meeting (Anaheim, CA). [Learn more here.](#)

September 30- October 4, 2024. Shifting Seasons Summit #4: Implementation of Climate Resilience. Menominee Resort and Casino, Keshena, WI. Registration is now open! The multi-day meetings are intended to bring together Tribal decision makers, federal agencies, Indigenous practitioners, land resource stewards, and climate change scientists to share knowledge and resources to benefit climate change adaptation efforts by Tribal and non-Tribal entities. Learn more [here](#).

NEW - October 2-3, 2024. 9th Annual Innovation Summit for Preparedness & Resilience (InSPIRE). Co-hosted by the National Alliance for Public Safety GIS (NAPSG) Foundation and the Indiana University in Indianapolis. Learn more [here](#).

October 6-10, 2024 - Restore America's Estuaries (RAE) Coastal & Estuarine Summit. Washington, D.C. Region. For more information, visit the [2024 RAE Coastal & Estuarine Summit webpage](#).

October 9-10, 2024. Pre-Conference: October 7-8. Engagement Scholarship Consortium International Conference. Pathways To Prosperity: Building Sustainable Futures Through Community Engagement. Hosted by Oregon State University and the member institutions of the ESC Western Region. [Learn more here](#).

NEW - October 10-11, 2024. Public Health and Disasters. University of Utah. [Learn more here](#).

October 15-17, 2024. Tribal Exchange Network Conference. Spokane, WA & Online. Tribal Data: Sharing stories, Supporting the future. [Learn more here](#).

NEW - October 27-30, 2024. National Association of Flood and Stormwater Management Agencies: 2024 Annual Meeting. [Learn more here](#).

NEW - October 28 2024. Winter Storms Forum, Olympia Washington. A day long seminar to learn the science, mitigation, response measures, and funding for king tides and winter storms. Register [here](#).

NEW - October 28-29: Building Coastal Resilience Conference, University of Porto, Porto, Portugal. [Learn more here](#).

NEW - November 6th and 7th, 2024. Tribal Climate & Health Adaptation Summit | Pala Casino, Spa & Resort. Guided by the theme "Taking Action to Protect Health from Wildfire, Drought, and Heat Disasters," the two-day Summit will focus on arming Tribal-serving professionals with the knowledge and skills needed to act on the unique climate and health vulnerabilities of the Tribes they serve. [Learn more here](#).

November 15-21, 2024. IAEM Conference. International Association of Emergency Managers Colorado Springs, Colorado. Register [here](#).

NEW - November 18-21. Building Resilient Communities Conference, The former Emergency Preparedness and Business Continuity conference has rebranded as the [Building Resilient Communities Conference](#) and will be held November 18-21, 2024 in Penticton, BC. [Abstract submissions](#) are open until September 5, and [early bird registration](#) goes until September 28.

NEW - November 20-22, 2024. National Disaster Resilience Conference. Federal Alliance for Safe Homes. Clearwater Beach, Florida. [Learn more here](#).

NEW - November 22 - 23. Oregon State of the Coast will be in Seaside at the Civic & Convention Center. The program will have a Friday evening event followed by the full Saturday Conference. Student art and research submissions will open in September. Learn more [here](#).

NEW - January 27-30, 2025. Coastal GeoTools. Submit your abstract by Sept. 30. Learn more [here](#).

NEW - March 11-13, 2025. Save the Date: Ocean Visions Biennial Summit 2025. We're thrilled to announce that the 4th Ocean Visions Biennial Summit will be held in Vancouver, Canada. This action-oriented event will bring together scientists, policymakers, innovators, funders, students, and others to explore solutions and strengthen partnerships to restore our ocean and stabilize the climate. Registration information coming soon!

NEW - May 15, 2025. 2025 Resilience Summit Call for Proposals - Urban Land Institute. The Resilience Summit is ULI's flagship climate adaptation event; convening industry leaders in real estate and resilience from around the world to address the challenges and harness the opportunities posed by climate risks. Hosted in Denver, CO, the 6th annual Resilience Summit will uplift opportunities for resilience in an increasingly difficult financial and climatic environment. Complete and submit your Proposal Submission by Friday, October 4, 2024 (Midnight EST) via the [ULI Spring Meeting / Resilience Summit Call for Proposals site](#). Access the announcement [here](#).

Funding Opportunities

NEW - Assistance: The Northwest Environmental Justice Center provides no-cost technical assistance and support for communities to address environmental and energy justice issues and work towards thriving futures in Alaska, Idaho, Oregon, and Washington. Learn more [here](#).

NEW - FEMA Releases Updated Guide to Help Communities with Resilience Grants Process. Learn more on FEMA's [website](#).

NEW - USDA Rural Development publishes funding opportunities, Notices of Solicitation of Applications (NOSAs) or Notices of Funding Availability in the Federal Register. [Click here](#) to access current and past NOSAs and NOFAs Notices for fiscal year 2024 including the Disaster Water Grants Program. Here is also a link to [Disaster Resiliency and Recovery Resources A Guide for Rural Communities](#).

NEW - USDA NIFA. FUNDING OPPORTUNITY: Questions about USDA NIFA's Rapid Response to Extreme Weather Events program? Live FAQ sessions are hosted quarterly. Remaining 2024 dates are also on the NIFA Events calendar:

- September 18, 3:00 pm ET/2:00 pm CT
- November 14, 3:00 pm ET/2:00 pm CT

If you have any questions outside of these quarterly sessions, feel free to reach out to the team at afri-rapidresponse@usda.gov.

NEW - \$600 Million Available for Capital Construction and Community Planning. The U.S. Department of Transportation has issued a [Notice of Funding Opportunity \(NOFO\)](#) for the next round of its [Reconnecting Communities Pilot \(RCP\) Program](#). The RCP aims to reconnect communities by removing, retrofitting, or mitigating transportation facilities that create barriers to community connectivity, with a focus on benefiting disadvantaged communities. Applications for funding are due **Monday, September 30th, 2024**. [Read more here](#).

NEW - Tribal Access to Emerging Private Markets for Climate Mitigation and Forest Resilience Due: Sept. 30, 2024. This initiative aims to support federally recognized tribes, Alaska Native corporations, and villages in participating in emerging markets that promote climate mitigation and forest resilience. **Deadline: September 30, 2024.** Learn more [here](#).

NEW - BIA Tribal Climate Resilience Annual Awards Program; [BIA](#) has announced over \$120M will be made available across three funding categories: Planning, Implementation, and Relocation, Managed Retreat, and Protect-in-Place. Access the RFP [here](#). **Deadline: October 18.**

NEW - BIA - Branch of Tribal Climate Resilience (TCR) staff are available virtually each Tuesday at 12pm Pacific (July 17 - October 18) to provide technical assistance for the BIA-TCR FY24 Annual Awards Program. If you have questions regarding the BIA-TCR climate resilience funding opportunity or application process, please join the virtual weekly Team meetings [here](#). Additionally, a virtual 90-minute Grant Writing Workshop, led by Dr. Meade Crosby and Dr. Chas Jones will take place September 4 at 11am Pacific. Learn project proposal development and grant application writing strategies to improve your chances of securing needed funding for climate resilience projects. Access the Team meeting link [here](#).

EPA Announces NOFO for Environmental and Climate Justice Community Change Grant Programs. Deadline: November 21, 2024. EPA is accepting applications on a rolling basis for \$2 billion in Inflation Reduction Act funding available to support community-driven projects that build capacity for communities to tackle environmental and climate justice challenges, strengthen their climate resilience, and advance clean energy. Awards vary depending on application track. Technical assistance available. Learn more [here](#).

Swift Current, a subprogram of FEMA's Flood Mitigation Assistance program. Deadline: January 15, 2025. This program aims to speed up the award of FMA funding to reduce the damage-repair cycle of repetitively flooded or substantially damaged properties. Another \$300 million is available in this, the second round of Swift Current funding. Learn more [here](#).

NEW - Open Call: Bring a PangeaSeed Public Art Project to Your Community. PangeaSeed works with diverse ocean advocates to facilitate collaboration between artists and scientists, and produce impactful work. For the first time, they are offering an opportunity for

cities to submit applications to bring public art for oceans to their communities! Apply to bring PangeaSeed's expertise and unique interdisciplinary approach to their community. Learn more and apply [here](#).

Highlighted Media, Publications, and Online Resources

[Hazards Around the Nation:](#)

Developing the Keweenaw Bay Indian Community Hazard Mitigation Plan. The [Keweenaw Bay Indian Community](#) developed their [hazard mitigation plan](#) in partnership with the Western Upper Peninsula Planning and Development Region, and with guidance from the [Dibaginijigaadeg Anishinaabe Ezhitwaad: A Tribal Climate Adaptation Menu](#)—a framework for integrating Indigenous and traditional knowledge and practices into climate adaptation planning. This case study provides a great example of partnership and reciprocity, providing lessons learned and outcomes that can be leveraged into future work. Read more [here](#).

Missouri State Emergency Management Agency: Missouri SAVE Coalition Evaluates Buildings During a Simulated Large Earthquake in Downtown St. Louis. Learn more [here](#).

BC Disaster & Resilience Lit Review available as preprint. In 2023-2024, Disaster Resilience Graduate Fellows [Charlotte Milne](#) and [Taylor Legere](#) conducted a first-of-its-kind systematic scoping review of academic literature on disasters and resilience in British Columbia. In the process, they screened 4,403 records and fully analyzed 343 documents, taking note of the specific hazards, events, research methodologies, and BC-specific locations referenced. Their findings were written into an article co-authored by DRRN members [Jonathan Eaton](#), [Sara Shneiderman](#), and [Carlos Molina Hutt](#). The article is now available as a preprint on SSRN while undergoing peer review. Learn more and read the article [here](#).

North Carolina's Flood Disclosure Law Goes into Effect. As of July 1, prospective real estate buyers in North Carolina must now receive the required North Carolina Real Estate Commission residential disclosure form that includes information related to a property's flood risk. Read more [here](#).

Indianapolis' Decades-Old Stormwater System Challenged by Changing Climate. In a first for the city, the Indianapolis Department of Public Works recently requested to use a portion of its stormwater management budget to purchase a tract of land for preservation of the floodplain. Read more [here](#).

Planning a Resilience Hub With a Tribal Government in Virginia: Co-Producing the Hub Planning Process and Resource Guides. The planning and resource guides were co-produced with members of the Mattaponi Indian Tribe and Reservation to create a resilience hub planning process that engaged the community in the project. Read more [here](#).

Preparing Mobile Home Park Residents for Wildfire in Lake County, Colorado. Read more about wildfire risk, mitigation, and preparedness needs for mobile home properties in Leadville, Colorado. Read more [here](#).

Toward Equitable Recovery for Unincorporated Areas: Lessons From California's 2023 Winter Storms. Read this report to learn what policy and program changes are needed to mitigate flood risk and enact equitable recovery in unincorporated areas. Read more [here](#).

San Diego Regional Climate Collaborative: Uplifting the Critical Value of the LGBTQ+ Climate Workforce. San Diego's climate practitioners benefit from the expertise and leadership of the LGBTQ+ community. This blog aims to lift up the voices of professionals working in the climate space. It highlights the challenges they navigated throughout their careers. Learn more [here](#).

[Climate Change & Coastal Hazard Science & Resilience:](#)

Climate Adaptation Barriers and Unmet Needs Report. The [Climate Adaptation Barriers and Unmet Needs report](#) for the Tribal Coastal Resilience Portfolio was led by the University of Washington's Climate Impacts Group, the Affiliated Tribes of Northwest Indians, and Washington Sea Grant. The report compiles the experiences of Washington and Oregon coastal Tribes as they prepare for climate change and aims to build on successes and identify common barriers to progress. Five media pieces highlighting the report can be found here: [University of Washington News](#), the [Associated Press](#), [High Country News](#), [Seattle Times](#), and [Public News Service](#). This report describes the climate adaptation barriers and unmet needs identified by participants in listening sessions with government staff, citizens, and elected officials from Northwest coastal Tribes in Washington and Oregon. For the purposes of this report, "Northwest coastal Tribes" refers to Tribes along the Pacific coast of Oregon and Washington, the Strait of Juan de Fuca and Puget Sound. Learn more [here](#).

Reestablishing Connections for Fish and Tribes on Oregon's North Santiam River. Development, shoreline armoring, and the disconnection of floodplains from the river damaged habitat key for salmon spawning and rearing juvenile fish. To help address these challenges, [NOAA's Office of Habitat Conservation](#) awarded the [Confederated Tribes of the Grand Ronde](#) \$710,000 in funding through the [Bipartisan Infrastructure Law and Inflation Reduction Act](#) to restore fish habitat on a tribally-owned conservation property. Read more [here](#).

Climate change is already reshaping PNW shorelines — Tribal nations are showing how to adapt. The Seattle Times/Climate Impacts Group, Washington Sea Grant. [Read more here](#).

Stochastic Coastal Futures: Using Statistical Techniques to Assess and Inform Adaptation to Chronic Coastal Hazards Under a Changing Climate. The chapters of this dissertation were developed using convergent approaches to address both fundamental questions in coastal science and applied problems in the management of coastal hazards. The

results of these studies are focused on the Cascadia region, USA – an area exposed to compounding coastal hazards driven by climate change and subduction zone earthquakes and tsunamis – and the thread of co-productive, place-based science is carried throughout. Read more [here](#).

Rising Seas and the Future of Humboldt Bay. EcoNews Report. hear from long-time residents and relative newcomers who share their thoughts and concerns about sea level rise. We are also joined by Laurie Richmond of the Cal Poly Humboldt Sea Level Rise Institute, which is a network of academics, tribes, government agencies, NGOs, private consultants, and civic and community groups working to envision the future of our region. Listen [here](#).

Local farmer single-handedly fights coastal erosion with innovative solution: 'He never tried to take credit for it'. The Cool Down. July 1, 2024. David Cottrell was a cranberry farmer on a mission to save his coastal hometown from being swallowed by the sea. For over 50 years, he watched helplessly as the shoreline of North Cove, Washington, crumbled, threatening to wipe out family farms, homes, and a vital highway. He refused to let his community wash away. Read more [here](#).

Wildfire resources for agriculture and livestock producers in Oregon (in English and Spanish). OSU Extension is coordinating with local response efforts to help farmers, ranchers and communities deal with the consequences of the wildfires currently affecting Oregon. Read more [here](#).

We're in a deadly cycle of mega fires. The way out is to burn more. How one Karuk fire crew leader is decolonizing our relationship to fire. Vox. August 15, 2024. Read more [here](#).

Monitor U.S and Canada Active Fires with the Fire Information for Resource Management System. The Fire Information for Resource Management System (FIRMS) for the U.S. and Canada is a joint effort by NASA and the U.S. Forest Service to identify the location, extent, and intensity of wildfire activity and its effects. NASA FIRMS uses satellite observations to detect active fires and thermal anomalies and deliver this information in near real-time to decision-makers through email alerts, analysis-ready data, and online maps. As shown on the map below, a number of wildfires are now burning in the Pacific Northwest, fueled by extreme heat and dry conditions. Learn more [here](#).

Visit Outdoor Fire Safety (fema.gov) for awareness and prevention materials to share with your community to help them prepare to live close to nature and become safer from wildland urban interface fires. This includes information on fire safety relating to fireworks, grills, fire pits, campfires, chimneys, and outdoor fireplaces amongst other topics. Read more [here](#).

FEMA Improving Individual and Community Wildfire Resilience Summit Resources. In May of 2024, FEMA hosted a virtual panel discussion with national partnership agencies working to address the risk, prevention, and effects of wildfire smoke. You can watch that webinar on youtube [here](#). Smoke preparedness information can be found at [airnow.gov](#) [here](#).

Drought Status Update for the Pacific Northwest. This update was released on July 25, 2025 for the Pacific Northwest Drought Early Warning System (DEWS) Region (Idaho, Montana, Oregon and Washington.) Update Status: NIDIS and partners will issue future drought status updates as conditions evolve. Read more [here](#).

The Faithful Resilience Collection, a six-part Story Map series, promotes place-based awareness for communities of faith. Some of the themes are: Resilience & Restoration, Climate Migration, and Building Resilience. Access [here](#).

Volume 47, Issue 5 of Estuaries and Coasts is available online. The Editors' Choice paper is a Management Applications paper by [Beauvais and Byers](#) on "Racial Composition and Homeownership Influence the Distribution of Coastal Armoring in South Carolina, USA." An additional Management Applications [paper](#) in this issue is: Enwright et al. "Enhancing Assessments of Coastal Wetland Migration Potential with Sea-level Rise: Accounting for Uncertainty in Elevation Data, Tidal Data, and Future Water Levels."

Biden-Harris Administration Releases Agency Climate Adaptation Plans, Demonstrates Leadership in Building Climate Resilience. The Biden-Harris Administration released updated [Climate Adaptation Plans](#) developed by more than 20 federal agencies that expand agency efforts to ensure their facilities, employees, resources, and operations are increasingly resilient to climate change impacts like extreme weather. This work advances the Biden-Harris Administration's [National Climate Resilience Framework](#), which helps to align climate resilience investments across the public and private sector through common principles and opportunities for action to build a climate-resilient nation. Read more [here](#).

2023 FEMA Resilience Year in Review. The 2023 Year in Review, which highlights the strides and challenges in bolstering national preparedness and resilience against disasters, is now available online. Download the report [here](#).

FEMA: Climate Adaptation Planning for Emergency Managers. FEMA released the "[Climate Adaptation Planning: Guidance for Emergency Managers](#)." The goal of the guide is to walk state, local, tribal, and territorial partners through the Six Step Planning Process. [Comprehensive Preparedness Guide 101: Developing and Maintaining Emergency Operations Plans](#) describes this process. The climate guide also highlights existing climate mapping tools, trainings, and potential funding resources.

Navigating Rising Waters: How Technology Can Boost Community Resilience. As municipalities embrace technology, they are able to serve information to the public in new ways, including a public portal that lets residents view property-by-property risk information, such as flood zone, required design flood elevation, and potential flood insurance requirements. Read more [here](#).

Union of Concerned Scientists: Ask a Scientist - What Happens When Sea Level Rise Threatens Public Housing? Read more [here](#).

Environmental Defense Fund: Raising Awareness on the Need for Flood Disclosure. Read more [here](#).

Federal Flood Standard Support Tool. The Federal Flood Standard Support [Website](#) and [Tool](#) will help users implement the [Federal Flood Risk Management Standard](#) (FFRMS). The FFRMS applies to projects where federal funds are used for new construction, substantial improvement, or repairs to address substantial damage. This can include projects such as critical infrastructure, affordable housing developments, renewable energy, or broadband internet projects. This new tool will help users seeking federal funding for such projects to determine if they will be located within an area with increased flood risk.

Looming Deadlines for Coastal Resilience. Research led by the Union of Concerned Scientists shows that between now and 2050, climate change–driven sea level rise will expose more than 1,600 critical buildings and services to disruptive flooding at least twice per year. Read more [here](#).

52 Ways to Climate-Proof Your Finances, University of Wisconsin, Jenny Abel, et al. This document presents 52 financial management strategies and habits designed to help individuals and families strengthen their financial resilience and minimize the potential burdens posed by climate change and extreme weather events. Read more [here](#).

Resilience Analysis and Planning Tool 2024 Update. FEMA has rolled out new updates to the Resilience Analysis and Planning Tool (RAPT), a free, easy to use GIS tool that helps emergency managers and community partners make strategic decisions for mitigation, response and recovery. Visit the [RAPT Resource Center](#) to access supporting materials, learn more about RAPT functionality and see how it can improve resilience planning in your community.

Collaborative Agreement to Improve Risk Communication. NOAA and Reinsurance Association of America have signed a memorandum of understanding (MOU) to collaborate on the shared goal of analyzing and communicating weather and climate hazard risks to key stakeholders. Read more [here](#).

weADAPT: Youth and Intergenerational Climate Justice. This is a dedicated space showcasing and supporting young people’s climate adaptation work. The Theme features content relevant to youth and intergenerational climate justice, as well as opportunities such as courses, trainings, events, fellowships, and funding to support their efforts. Learn more [here](#).

[Earthquake & Tsunami Science & Disaster Resilience:](#)

Alison Duvall and tectonic geomorphology. Associate Professor of Earth and Space Sciences [Alison Duvall](#) shares about tectonic geomorphology, her work with the [Cascadia CoPes Hub](#) to increase knowledge about natural hazards and empower communities to build resilience in the face of environmental change, and her path to becoming a scientist. Read more [here](#).

Hosted by Lane County Emergency Management, When It Hits The Fan is a monthly podcast about equipping you with the knowledge and resources to be prepared and stay safe during a disaster. To listen to episodes or see show notes and resources, please select the episode you want using the dropdown menu below. You can also listen to episodes below or find the show on [Apple Podcasts](#) or [Spotify](#). Learn more [here](#).

August 2024 Issue of the National Tsunami Hazard Mitigation Program (NHTMP) TsuInfo Alert Newsletter. Oregon Hazard Preparedness Updates on page 12. Link to Newsletter [here](#).

Rebuild By Design: Atlas of Accountability - Mapping Climate Disasters Across Congressional Districts. As extreme weather continues to affect the U.S., Rebuild by Design has launched the [Atlas of Accountability](#). This mapping tool is designed to help communities and policymakers understand their local exposure to extreme weather disasters. This tool builds on Rebuild by Design's 2022 report, [Atlas of Disaster](#). It analyzes county-level extreme weather disaster declarations and post-disaster federal assistance. Read more [here](#).

FEMA Flood Rule Will Lead to Safer Rebuilding Post-Disaster. When federal funds are used to build, rebuild, or subsidize structures, the government has a responsibility to ensure those investments are safe, sustainable, and resilient for the entire design life. FEMA's new rule will provide long-term benefits for the nation in avoided disaster costs, as well as safer, more prepared communities. Read more [here](#).

Framing Matters: Communicating Coastal Rebuilding to the Public. Opinions on the wisdom of rebuilding in flood zones can vary based on many factors—including how the benefits and risks are presented. Learn more about what can sway the public for or against using federal funds for such efforts. Read more [here](#).

Rising Demand for FEMA's BRIC Program Far Exceeds Available Funding. Analysis from Headwaters Economics shows that the demand for pre-disaster, risk reduction investments is increasing. The total funding that communities requested in applications submitted to FEMA exceeded BRIC's available funds by more than five times in the latest round of funding. Read more [here](#).

Participatory Budgeting: A Community-Led Intervention for Resource Security Following a Disaster. Read more [here](#).

Job, Scholarship, and Fellowship Opportunities

Oregon:

Assistant Professor of Earth Sciences. University of Oregon. Eugene, OR. The Department of Earth Sciences at the University of Oregon is hiring at the assistant professor level. The position description is very broad, with the only real disciplinary requirement being that applicants must make a convincing connection to subduction zone geoscience. [Learn more and apply here.](#) **Applications review will start on October 1, 2024.**

Undergraduate Program Coordinator, Oregon Sea Grant. Corvallis, OR. This is a full-time (1.00 FTE), 12-month, professional faculty position. The Undergraduate Program Coordinator serves within Oregon Sea Grant (OSG) at Oregon State University and reports to the OSG Associate Director for Research and Scholars. This position exists to support work in Oregon Sea Grant's (OSG) Research and Scholars Team pertaining to the recruitment and management of undergraduate host and scholar applications and positions, the Summer Scholars Program, and compliance with the EPA grant funded Pollution Prevention internship program, the Oregon Applied Sustainability Experience (OASE). [Full position description and application information.](#) **Full consideration date: 9/11/24. Closing date: 9/18/24.**

Nearshore Ecology Program Leader (Natural Resource Specialist 4), Oregon Department of Fish and Wildlife. Newport, OR. Seeking an experienced team leader for an exciting opportunity to lead a newly formulated integration of existing programs within the Marine Resources Program, based in Newport, OR. As a Natural Resource Specialist 4 – Nearshore Ecology Program Leader you will guide the implementation, study, and management of marine habitats and marine conservation areas within the state of Oregon. You will oversee three projects: Ecological Research, Marine Habitat, and Human Dimensions. Apply [here](#). **Application deadline is 9/09/2024.**

Washington:

Resilience Fellowship Specialist, Washington Sea Grant (Seattle & Multiple locations, WA). Washington Sea Grant is hiring a [Resilience Fellowship Specialist](#) that will support program development, administration, and technical advising for WSG's new Coastal Resilience Fellowship program. The position will develop guidelines for the new program that will link the skills, expertise, and innovation of recent master or PhD level graduates with the coastal resilience project needs of Washington's coastal communities – including local governments, tribes, and nonprofit organizations. Application is open until filled.

Coastal Resilience Engineer - Washington Department of Ecology. As an engineer in this role, you'll have the unique opportunity to help shape coastal resilience projects along Washington's marine shorelines. As Ecology's Coastal Hazards Organizational Resilience Team ([COHORT](#)) engineering representative, you will help evaluate, scope, and advise the design and implementation of innovative nature-based solutions to address complex coastal challenges in vulnerable communities throughout the state. This role combines technical engineering analysis

and design with project coordination and collaboration across diverse partners, enabling you to make a meaningful impact on the resilience of Washington's coastal areas. In order to be considered for the initial screening, please submit an application on or before **September 19, 2024**. Apply [here](#).

Coastal Engineer - Washington Department of Ecology. This engineering position offers a unique opportunity to join a dynamic and collaborative applied coastal research team focused on documenting, understanding, and forecasting coastal processes and change on Washington's high-energy ocean shorelines as well as the sheltered shorelines of coastal estuaries and the Salish Sea. In this role, you will address a wide variety of key issues regarding coastal community and ecosystem resilience, including chronic coastal erosion and flood hazards, climate change impacts on coastal hazards, shoreline and bluff retreat, natural and nature-based multi-benefit coastal projects, process-based restoration projects, and the application of morphodynamic approaches to nearshore habitat and ecosystem services studies. In order to be considered for the initial screening, please submit an application on or before **September 19, 2024**. Apply [here](#).

Flood Control Assistance Account Program (FCAAP) Planner (Environmental Planner 3), Washington Department of Ecology. Multiple locations (statewide WA). This position will plan, organize, and oversee the implementation of an existing grant program [the Flood Control Assistance Account Program (FCAAP)] that focuses on helping local communities identify their risks from flooding and address those risks through a comprehensive planning approach. The role will also develop and help senior staff and managers carry out recommendations to improve the efficiency and effectiveness of the program. Apply [here](#).

Recovery Strategist, Puget Sound Partnership. Thurston County/Olympia, WA. As the Puget Sound Recovery Strategist (PSRS), you will represent the agency externally, influencing partners at various levels and gathering input on priorities, policies, and programs for regional ecosystem recovery. You will identify actions and allocate resources to accelerate implementation, promote local recovery partners, and support process improvements. You will have the opportunity to work with local, tribal, and regional partners to plan and implement ecosystem recovery priorities in line with the Action Agenda, salmon recovery plan, and environmental justice strategies. **Applications due 9/06/2024**. Apply [here](#).

Climate Social Science Specialist, UW Earthlab/Climate Impacts Group. Seattle, WA (Approved for occasional hybrid/telework but will require weekly in-office work days) . The Climate Social Science Specialist will be an advanced researcher operating with significant independence on topics of moderate complexity. We anticipate this individual working with a team of research and outreach staff to drive the development of project and program deliverables; to identify opportunities to leverage ongoing work into tools, reports, white papers, case studies, peer-reviewed publications, and other means of sharing lessons learned across

communities of practice; and to provide methodological mentorship to earlier career staff. Apply [here](#). **Application deadline is 9/15/2024.**

Director, UW Climate Impacts Group. Seattle, WA (hybrid eligible). UW CIG is seeking a new Director, with duties including strategic leadership, fundraising and financial stewardship, partnership development and strategic networking, management, and diversity, equity, inclusion, justice, and accessibility work. Application open until filled. Learn more and apply [here](#).

NOAA Fellowship in Measuring the Value of Ecosystem Services from Habitat Restoration, NOAA Fisheries Research Participation Program (Seattle, WA). NOAA is hiring a post-doctoral or post-master's degree research fellow for this learning opportunity about developing models and tools to support recovery planning for Pacific salmon. The fellow's primary project will be investigating capitalization of habitat restoration co-benefits into property values. **Application deadline Oct 4th, 2024.** Apply [here](#).

Tsunami Program Coordinator. Work at Washington Emergency Management Division conducting an analysis of impacts to tsunami alerting processes from the Hazard Simplification Project and resources and changes needed for a successful implementation. **Application due 9/10/2024 11:59 PM PT.** Apply [here](#).

Senior or Principal Coastal Engineer / Coastal Scientist, Natural Systems Design/Coastal Geological Service. Remote/hybrid, WA. Natural Systems Design + Coastal Geologic Services is looking to hire a coastal engineer/scientist to join a team of scientists and engineers who strive to have a positive impact through landscape scale restoration of ecosystems. They are looking to expand their Coastal Group leadership team as they have a backlog of innovative coastal and nearshore analysis and restoration projects. This position is an excellent opportunity to grow your coastal analysis and design practice with the support of a group of engineers and scientists who are focused on ecosystem restoration. **Application closing date is September 30, 2024.** Apply [here](#).

[Pacific Northwest/ Other:](#)

ORISE Fellow, Northwest Climate Adaptation Science Center, US Department of the Interior. Location is negotiable within Idaho, Oregon, or Washington. NW CASC is hiring an ORISE communications fellow to expand the reach of its communications program! The fellow will help develop communications products and conduct outreach for NW CASC's science users; evaluate opportunities for strengthening communication of NW CASC-funded research to various audiences; and support internal communications. **Application review will begin on October 15, 2024.** Learn more and apply [here](#).

California Policy Associate Director, Surfrider Foundation (Candidate must reside in California; candidate works primarily from in-home office with the option to work from

Surfrider Headquarters in San Clemente). The Surfrider Foundation seeks to hire an individual to advance conservation of California’s coastal and marine ecosystems by strategically engaging ocean and coastal recreational users in policy initiatives, ocean planning, and community-based management forums. This position will be responsible for implementation of strategic plan objectives of Surfrider’s initiatives by enacting California statewide policies and engaging the California chapter network at the local and state level. Learn more and apply [here](#). **Application deadline is 9/25/2024.**

Marine Director, Marine Department, Yurok Tribe (Klamath). Under the supervision of the Deputy Executive Director of Natural Resources, and guided by the policies of the Yurok Tribe, the Marine Department Director is responsible for advancing and implementing management goals related to the conservation, management, and restoration of marine and coastal resources, in accordance with the Yurok Constitution and guidance of traditional Yurok values and techniques. Through integration of traditional knowledge and western science, the position will lead staff to plan, monitor, assess, and implement management actions to support conservation of Yurok Tribal marine and coastal resources and their habitats with Yurok Tribe ancestral oceanic waters. The Marine Department Director will represent the Yurok Tribe in technical and policy forums to protect, assert, and enhance Yurok Tribe rights to gather, harvest, and utilize marine resources for ceremonial, subsistence, and economic needs. Learn more and apply [here](#). **Application closing date is October 29, 2024.**

Mendenhall Research Fellowship Program 23-27.. The US Geological Survey has a research opportunity to understand human dimensions and disaster loss information from geophysical hazard events. Candidates and approaches may be chosen from a variety of related fields. **Applications are due November 1st.** [Learn more.](#)

Quick Links

[Oregon Coastal Hazards Ready \(OCHR\) Library & Mapper](#)

[Oregon Coastal Futures Project](#)

[Oregon Coastal Atlas](#)

[Oregon Coastal & Ocean Information Network](#)

[Washington Coastal Hazards Resilience Network](#)

[Washington Coastal Hazards Risk Reduction Project Mapper](#)

[The Cascadia Coastlines and Peoples Hazards Research Hub \(Cascadia CoPes Hub\)](#)

[PNW Tribal Climate Change Network](#)



Coastal Hazards Newsletter

pnwcoastalhazardsnews@gmail.com

Copyright (C) 2023 Oregon Sea Grant. All rights reserved.

Our mailing address is:

1600 SW Western Boulevard, Corvallis, Oregon 97333

Photo credit (header & footer): Noah Linck

Photo location (header): Olympic Peninsula, Washington

Photo location (footer): Olympic Peninsula, Washington

If you would like to unsubscribe, please email [Felicia Olmeta Schult](mailto:Felicia.Olmeta.Schult).