

Pacific Northwest Coastal Hazards Resources Newsletter

May 2024

Your monthly newsletter about upcoming events (e.g., webinars, meetings and conferences), publications, online resources, grant opportunities, and more.



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 **Friday, May 31**. 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

The PNW Coastal Hazards Resources Newsletter is two years old! Thank you for reading our newsletter! We would love to get your feedback and know more about your reading experience. Please take our very short (**1-2 minutes**) [survey](#). We will share the results with you and incorporate your feedback into future newsletter editions.

Volunteer to Monitor Land Use Activity. Oregon Shores Conservation Coalition is organizing a [network of land use “scouts.”](#) volunteers who monitor planning activity in their city or county on Oregon Shores' behalf, serving as an early warning system to pick up on emerging issues.

NOAA's Annual Coastal Management in Action Photo Contest. From ensuring public access to balancing development with natural areas, coastal management keeps our coasts thriving. For the eighth annual coastal management photo contest, NOAA's Office for Coastal Management wants to see your photos of coastal management in action. Show off your natural infrastructure projects, beautiful beaches you work to protect, recreational uses, and more! Find inspiration from the list of nine categories. Submit photos to the eighth [Coastal Management photo contest](#). Winners will be chosen by a panel of judges and will be featured on the NOAA Digital Coast social media accounts during the month of May. Submit your photos by **Friday May 3, 2024**.

Biden-Harris Administration Announcement of \$123 million for Coastal Habitat Restoration: \$59.8 million in competitively selected awards for state and territory [coastal zone management programs](#) to support [22 projects](#). Communities in IL, WI, FL, DE, MD, VA, NJ, RI, MA, ME, HI, SC, GA, OR, CA, and WA receive project funds ranging from \$330,000 to \$6 million. \$15 million in competitively selected awards for [national estuarine research reserves](#) for [eight projects](#). Reserves in WI, TX, AL, ME, HI, SC, and WA will receive funding from \$350,000 to \$3.5 million.

Habitat Protection and Restoration Awards National Coastal Zone Management Program. West Coast.

- California: Rancho Cañada Floodplain Restoration Project. This project is focused on restoring a one-mile section of the Carmel River so that natural processes will reconnect the river with historic floodplain habitat.
- California: Elk River Estuary Restoration: Final Design, Permitting, and Construction. The Elk River Estuary Restoration Project is the initial implementation step of a decades-

long, community-based program to resolve legacy sediment and water quality impairment issues from excessive timber harvest, while also providing regional resilience to sea level rise and large episodic storm events.

- Oregon: Conserving Tidal Wetlands in the Coquille River. This project will protect 528 acres of tidal wetlands—a high priority ecosystem—along the Coquille River on Oregon’s southern coast.
- Oregon: Conservation of Collins Creek Confluence and Ocean Shoreline. Through this project, the Confederated Tribes of Siletz Indians will acquire a 42-acre beachfront property currently threatened by development. This property is located in an area of historic tribal villages and settlements within the tribe’s original reservation.
- Washington: Owl Creek Habitat Restoration Project, Phase Two. This project will restore over a mile of Owl Creek and floodplain, significantly improving spawning and rearing habitats for salmonids.
- Washington: Integrated Resilience Strategy for the Padilla Bay Coastal Community. This project will advance a holistic vision for community climate adaptation and habitat restoration in Padilla Bay, Washington.

White House Announces Nearly \$830 Million in Grants to Make Transportation Infrastructure More Resilient to Climate Change.

The Biden-Harris Administration announced nearly \$830 million in grant awards for 80 projects nationwide that will help states and local communities save taxpayers money while strengthening surface-transportation systems and making them more resilient to extreme weather events worsened by the climate crisis, flooding, sea-level rise, heat waves, and other disasters. These grants are the first of their kind dedicated to transportation infrastructure resilience and were made possible by President Biden’s Bipartisan Infrastructure Law’s Promoting Resilient Operations for Transformative, Efficient, and Cost-saving Transportation (PROTECT) Discretionary Grant Program, which complements PROTECT Formula funding that is already flowing to states for these types of projects. The full list of grant recipients is available [here](#)

Upcoming Webinars, Meetings & Events

May 2, 2024- 9:00 am PT - Cascadia CoPes Hub / RCN Monthly Seminar Series. Islanding: Connecting after Cascadia. Speakers: Dan Cox (OSU), Marc Eberhard (UW), Amina Meselhe (OSU), Joe Louis (OSU). Register [Here](#).

May 2, 2024 11:00 AM - Not All Flame is the Same. Join the OSU Extension Fire Program as they take us on a journey of fire throughout Oregon. In this webinar, a team of regional fire specialists will share diverse stories about how fire has shaped Oregon landscapes historically and currently. Register [here](#).

May 3rd and the first Friday of every month, 10am PT - FFACCTs is a monthly webinar series organized by the USDA Climate Hubs and Forest Service Research and Development

that features presentations from USDA scientists and practitioners. May's webinar is "Mobile biochar production from forest biomass as a site restoration and climate change mitigation tool," presented by Nate Anderson from the Forest Service Rocky Mountain Research Station. Learn more [here](#).

May 5, 2024, 11:00 - 3:00 PT - Wildfire Community Preparedness Day. Tillamook Forest Center. Kickoff Wildfire Awareness Month by learning how to be prepared for fire season. Tillamook Forest Center invites the community to celebrate Wildfire Community Preparedness Day and enjoy a day of crafts, Smokey Bear, and live burn table demonstrations. Visitors will be able to make paper houses and see how well their houses would withstand a fire. Smokey Bear will make visits throughout the day and crafts will be available in the Forest Education Pavilion. [Learn more here!](#)

May 7, 2024. 12:00 pm Pacific. Indige-FEWSS Native Voices in STEM. Dr. Don Hankins This professional seminar series invites Native scientists, engineers, activists, community members and leaders to share their personal and professional journeys, providing inspiration to the next generation of change makers. Register [here](#).

May 9, 2024. 12:00 pm Pacific. Webinar Series: Incorporating Climate and Environmental Justice into Research and Resource Management. Webinar 6: Broadening participation in environmental science through fellowship programs. Speakers will share research and best practices around environmental and climate justice and will engage audiences in facilitated "coffee hours" where participants can learn from one another. [Learn more](#) and register [here](#).

May 14, 2024, 11:00 a.m. to 12:00 p.m. MDT. Making Mitigation Work Webinar Series. The Natural Hazards Center, in partnership with FEMA, is pleased to present these free one-hour webinars featuring innovative speakers and highlight progress in mitigation policy, practice, and research. Learn more [here](#).

Tuesday, May 28th, 11:00 am PT. Vulnerability Assessment - With this webinar, participants will deepen their understanding of a vulnerability assessment, which is a means whereby communities looking to address potential impacts from coastal flooding and severe weather can identify the people and places in harm's way. Case studies will be shared by professionals from across the nation. Learn more [here](#).

Workshops & Training

May 2, 2024. 11:00 am Pacific. Virtual - Economic Guidance for Coastal Management Professionals: Pathways to Valuing Ecosystem Services. Coastal managers often need economic valuation information for project proposals, assessments, or funding applications. The following modules provide information about approaches for economic analysis, relevant examples, and guidance on how to conduct basic benefit-cost analysis and ecosystem service

valuation. Hosts of this training can customize their workshop by selecting one or more of the following modules. [Register here](#).

May 16, 2024. 11:00 am Pacific. Virtual - Economic Guidance for Coastal Management Professionals: Introduction to Benefit-Cost Analysis. Coastal managers often need economic valuation information for project proposals, assessments, or funding applications. The following modules provide information about approaches for economic analysis, relevant examples, and guidance on how to conduct basic benefit-cost analysis and ecosystem service valuation. Hosts of this training can customize their workshop by selecting one or more of the following modules. [Register here](#).

May 22nd, 2024 1:00 pm - 5:00 pm MDT. NCA5 Northwest Chapter Regional Engagement Workshop & Networking Event. Please join authors of the Fifth National Climate Assessment (NCA5) and the Hazard and Climate Resilience Institute at Boise State University for an in-person workshop to discuss climate change in the Northwest. This meeting will be held in the Simplot BDE Room of the Student Union at Boise State University on May 22, 2024, from 1-5pm (MT). [Learn more and register here](#).

July 14 - 17, 2024. 49th Annual Natural Hazards Research and Applications Workshop. Broomfield, CO. This year's theme is The Stories We Tell: Creative Strategies for Understanding and Communicating Disaster Risk. Learn more [here](#).

Upcoming Conferences

May 6-9, 2024. National VOAD Conference. Phoenix , AZ. The National Voluntary Organizations Active in Disaster (VOAD) Conference is an annual event that brings together a diverse array of non-profit organizations, government agencies, and other stakeholders dedicated to disaster response and recovery efforts. [Learn more here](#).

May 14-16, 2024. National Adaptation Forum: 6th National Adaptation Forum. Saint Paul, MN. **Early bird registration is now open!** After April 8th, prices will increase. [Learn more here](#).

May 14-16, 2024. ESIL's 2024 Innovation Summit: Big Data for Environmental Resilience and Adaptation. Location: University of Colorado Boulder. Join our growing ESIL community as we utilize big data to understand resilience across genes, species, ecosystems and societies, advance ecological forecasting with solutions in mind, and inform adaptive management and natural climate solutions. This in-person 'unconference' will allow participants to dynamically work on themes that most inspire them, with inclusive physical and intellectual spaces for working together. [Learn more and register here](#).

Call for Proposals for the 2024 Tribal Lands and Environment Forum. Deadline for submissions is Friday, May 17, 2024. We want you to share your stories, successes, and projects with all the attendees at this year's TLEF in Eugene, Oregon, August 12-15. We are now accepting proposals for the 2024 Tribal Lands and Environment Forum. Presentations this year will be for in-person presentations and on-demand (pre-recorded) content. We will not be allowing any virtual presenters. This will allow us to focus and better connect with each other when we are in Eugene and share and learn from each other through the recordings. Topics for presentations should be related to our primary media: waste management and minimization, brownfields, underground storage tanks, Superfund sites and federal facilities, and emergency response. We also welcome proposals dealing with emerging contaminants, habitat restoration and climate change, emerging technologies, and indigenous justice in waste and response work. [Learn more here.](#)

NEW - May 18, 2024. 9:00 am - 4:00 pm PT. Pacific County Marine Resource Committee Annual Science Conference. This year's science conference, taking place at the Cranberry Museum in Long Beach, will cover topics like integrated pest management, earthquakes & tsunamis, sea level rise planning, and more! The conference includes free food. [Register here.](#)

May 19 - 24, 2024. Affiliated Tribes of Northwest Indians (ATNI) 2024 Midyear Convention. Seven Feathers Casino Resort, Canyonville, Oregon. Hosted by the Cow Creek Band of Umpqua Tribes of Indians. [Learn more and register here.](#)

May 20 - 21, 2024. Hydrophiles 2024 Headwaters Symposium: Inspiring a Research and Learning Agenda for the PNW. For the last 14 years, OSU has hosted the Pacific Northwest Water Research Symposium, where graduate students from across the PNW and beyond are invited to present their water-related research. Last year, they hosted over 120 students. Participants practiced collaborative problem-solving and conflict resolution in water resources through the simulation of a real-world scenario with guidance from industry professionals. This year, the event will take place in the Memorial Union at Oregon State University on May 20 and 21. [Learn more here.](#)

May 21, 2024 - 9:00 am - 4:40 pm PT. CHRN (Coastal Hazards Resilience Network) Annual Meeting. In person at WA Department of Ecology Headquarters, Lacey, WA. Reconvening to chart a path forward for equitable evolutions in coastal resilience. [Join the network](#) to stay updated. Registration for this event is full, please email Noah Linck at nlin461@ecy.wa.gov to join the waitlist.

June 4-6, 2024. Capitol Hill Ocean Week. CHOW, convened by the National Marine Sanctuary Foundation, is a multi-day conference that convenes policymakers, scientists, managers, business leaders, conservationists, educators, students, and members of the public to engage in dialogue and debate on significant issues that impact our ocean and Great Lakes and to propose innovative policies and partnerships to address these issues. CHOW 2024 is open to the public and free to attendees. Learn more and register [here.](#)

June 23-27, 2024. Association of State Floodplain Managers (ASFPM) Annual National Conference. Salt Lake City, Utah. **Conference registration is now open!** [Learn more here.](#)

Institute for Risk and Disaster Reduction (IRDR), University College London, UK invites you to save the dates for London:

(a) 25 June, Institute for Risk and Disaster Reduction ([IRDR](#)) Annual Conference.

(b) 26-27 June, UK Alliance for Disaster Research ([UKADR](#)) Annual Conference.

July 26-August 1, 2024 - National Tsunami Hazard Mitigation Program 2024 Summer Meeting (Pago Pago, American Samoa). Learn more [here](#).

August 11-16, 2024. Changing Currents: Tribal Water Summit. North Bend, Oregon.

Changing Current Water summits are inter-tribal convenings designed to bring together staff and leadership from Northwest Tribes and Native communities to foster dialogue & collaboration around common water interests and work toward a shared agenda. Learn more [here](#).

September 9-12, 2024. National Tribal & Indigenous Climate Conference. Anchorage, Alaska. [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](#).

NEW - 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.](#)

Funding Opportunities

NEW - On May 1, FEMA will post funding opportunities for two National Earthquake Hazards Reduction Program grants for over \$3 million. FEMA's two National Earthquake Hazard Reduction (NEHRP) grant programs provide funding to reduce the risks to life and property from future earthquakes in the United States through the establishment of an effective earthquake hazards reduction program. For this cycle, more than \$2 million is available for the Individual State Earthquake Assistance (ISEA) grant program and more than \$1 million is available for the Multi-State and National Earthquake Assistance (MSNEA) grant program. Eligible applicants must apply for funding using [FEMA Grants Outcomes](#), the agency's grants management system. **Due 5 p.m. ET on June 14, 2024.** Learn more [here](#)

Webinar Schedule and Office Hours

- May 1, 2024 2:30 p.m. ET | Individual State Earthquake Assistance (Invite Only)
- May 2, 2024 2:30: p.m. ET | Multi-state and National Earthquake Assistance ([Register Here](#))

- May 14, 2024 2:30p.m. ET | FEMA will hold an office hours webinar for interested applicants for either program. FEMA will answer questions about both funding opportunities. Interested applicants may [register for the webinar here](#).

Interested applicants should visit [Earthquake Risk | FEMA.gov](#) or contact their [earthquake program manager](#) for more information

NEW - California Climate Investments Released New Funding Resource for California Tribes. The Funding Workbook for All California Tribes (Funding Workbook) guides Tribal leaders and Tribal staff through assessing which California Climate Investments (CCI) funding opportunities may be a good fit for your Tribe's needs and priorities. The [Funding Workbook](#) is designed for everyone from previous grantees to Tribal leaders and staff who are exploring State climate programs for the first time. The Funding Workbook is meant to serve all Tribes, regardless of federal recognition, and includes Tribes who operate as nonprofits. Visit the [California Climate Investments website](#) to learn more.

NEW - SeaDoc Society 2024 Call for Grant Proposals. Deadline: May 15, 2024. Open Call for Tribal and First Nations Grants (SeaDoc Society). The SeaDoc Society anticipates funding \$100,000 for Tribal and First Nations projects. This application is only for Tribal- and First Nation- and Indigenous-led projects. Funding for individual projects will be limited to \$50,000. Apply [here](#).

NEW - Advancing Tribal Nature-Based Solutions Grant. Deadline: May 22, 2024. To support climate action that addresses adaptation and disaster preparation, First Nations established this project under its newly created Climate Initiative, Advancing Tribal Nature-Based Solutions to provide tribes and Native nonprofits with resources to support climate action that addresses adaptation and disaster preparation (e.g., wildfires, flooding, drought) through the application of nature-based solutions based on Native knowledge. Read more and apply [here](#).

The Habitat Strategic Initiative Lead (HSIL) just released two new RFPs **due on May 22**. One RFP is focused on up to 2-year projects supporting Capacity and Workforce Development in Puget Sound. The other RFP focuses on addressing Puget Sound kelp or eelgrass knowledge gaps by funding research, synthesis, and analysis to support future evaluation and development of management tools, policy, and guidance. Learn more and apply [here](#).

The 2024 Bullitt Prize. Deadline to Apply: June 1, 2024. Are you a conservation and environmental justice leader working on a project or action to address a conservation or environmental justice issue in the Pacific Northwest? The Prize is awarded annually based on the following eligibility: an individual or collaborative group, from an underrepresented group, from Washington State or the Pacific Northwest region if their work impacts Washington, are 35 years or younger and have demonstrated academic, professional, or grassroots leadership that advances the environmental movement. The Prize consists of \$100,000, split over two years (\$50,000 in year one, and the remaining \$50,000 in the second year). Learn more [here](#).

NEW - NSF Confronting Hazards, Impacts, and Risks for a Resilient Planet (CHIRRP). The [US National Science Foundation Confronting Hazards, Impacts, and Risks for a Resilient Planet Program \(CHIRRP\)](#) invites projects focusing on innovative and transformative research that advances Earth system hazard knowledge and risk mitigation in partnership with affected communities. Researchers, academics, and community leaders will work together to develop community-driven research questions and actionable, science-based solutions that increase community resilience now and in the future. **The target date for full proposals is 6 June, with concept outlines due 30 days in advance of a full proposal.**

Applications are now open for Mobi-mat program deployment! Applications period: rolling basis while funds are available, or until June 30, 2024. To open accessibility at more Oregon Coast locations, the Oregon Coast Visitors Association (OCVA) has designated its annual Strategic Investment Fund to support Mobi-mat program implementations. Organizations who are interested in purchasing a mat can explore their comprehensive [Mobi Mat Toolkit](#), which outlines the essential steps for acquiring, sustaining, and integrating a Mobi Mat within your community. Once you have ensured the necessary components of the program are in order, [complete the application here](#). For questions relating to the toolkit or application, email industry@thepeoplescoast.com.

Oregon Sea Grant Coastal Arts Support Pilot Program ([PDF](#)). **Application period: rolling basis from July 2023 through June 2024.** This opportunity aims to advance a broader understanding and engagement with Oregon's coastal and marine ecosystems by supporting innovative art projects that align with the [Oregon Sea Grant Strategic Plan and our vision, mission, and values](#). You can find more information on the [OSG Special Requests webpage](#). Click [here](#) to access the Coastal Arts Support Pilot Program Request for Applications.

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. Examples of eligible projects include property acquisition and demolition, elevation, and relocation. For this round, FEMA expanded criteria so more places could benefit. Learn more [here](#).

Highlighted Media, Publications, and Online Resources

[Hazards Around the Nation:](#)

Earthquake showed Taiwan was well prepared for a big one — more so than parts of U.S. April 2024. NBC. April 3 2024. [Read more here.](#)

How a Steel Ball Shielded Taiwan’s Tallest Skyscraper During Earthquake. NDTV World. April 5, 2024. [Read more here](#)

Earthquake, aftershocks rattle NYC and beyond: “One of the largest” East Coast quakes in the last century. CBS. April 6 2024. [Read more here.](#)

U.S East Coast adopts ‘living shorelines’ approach to keep rising seas at bay. Mongabay. April 24 2024. [Read more here.](#)

Another Jersey Shore town scrambles to fix its beach and taxpayers are on the hook. NJ.com. April 27 2024. [Read more here.](#)

Midwest tornadoes flatten homes in Nebraska suburbs and leave trails of damage in Iowa. AP. April 26 2024. [Read more here.](#)

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

Environmental Outlook - Centering Equity, Reconciliation and Community in Coastal Adaptation, Page 4. Seattle Daily Journal of Commerce. [Read more here.](#)

Tribal leaders host summit to share climate change stories, solutions. The Seattle Times. April 22, 2024. [Read more here.](#)

Addressing inequities and meeting needs of Indigenous communities in floodplain management. Frontiers. March 21 2024. Olivia Zimmerman, Tanya Eison, Robert Carey, Phillip S. Levin. [Read more here.](#)

Karuk Tribal Report Recommends State and Federal Government Actions to Expand Cultural Burning and Prescribed Fire. This report calls for transformational change at both the state and federal levels, and providing a roadmap to revitalizing the relationship between humans and fire and the systems used to steward it. [Read more here.](#)

Makah Tribe to Use NOAA Funding for Ocean Data Mapping Needs. U.S. Representative Derek Kilmer (WA-06) announced that the Makah Indian Tribe will receive \$288,482 in federal funding from the National Oceanic and Atmospheric Administration (NOAA) to support its ocean data mapping capabilities. [Read more here.](#) Learn about other awardees [here.](#)

Model input and projections of compound floodwater depths for the lower Nooksack River and delta, western Washington State. Developed By: U.S. Geological Survey and Deltares USA. Learn about the model [here](#).

NPS Plans to Remove Cabins Along Highway 101 Due to Coastal Erosion. Coastal erosion continues to plague California beaches and iconic walkways, and the latest victim of the Pacific Ocean is a set of beachside vacation rentals within a West Coast national park. The area has lost more than 13 feet of bluff in places since December 2023, and the Park Service said the conditions are creating a safety issue for visitors. Read more [here](#).

Dangerous Cliffs, Collapsed Parking Lots: How a Relentless Winter Changed Our Coastal Landscapes. April 4, 2024. Lost Coast Outpost. Read more [here](#).

New report 'braids' Indigenous and Western knowledge for forest adaptation strategies against climate change. April 10, 2024. UW News. [Read more here](#).

The Oregon Post-Fire Research and Monitoring Collaborative. The Oregon Post-Fire Research and Monitoring Collaborative facilitates communication of post-fire research and monitoring initiatives across diverse agencies and organizations. It also develops valuable resources that enhance accessibility to post-fire information. Read more [here](#).

Prescribed Fire in the Northwest. USDA. Read more about a century of wildfire suppression [here](#).

The Community Navigator Program. The USDA Forest Service is working with partners on the new Community Navigator initiative. Community Navigators support community-based partners in accessing federal funding opportunities, creating partnerships, and building capacity for wildfire risk mitigation and climate resilience. The goal is to connect communities with the right resources for building climate resilience when and where they need it most. To learn more and request a navigator, visit the [website](#).

The Tribal Resilience Action Database. This project brings together a group of project partners and advisors representing more than two dozen Tribes across North America to create a culturally sensitive, easily accessible, and useful database of climate adaptation strategies and community examples already published by Tribes that can be used to inform ongoing and new climate adaptation and resilience work in Tribal communities. Learn more [here](#).

Display Tribal Lands on Drought and Climate Maps. NOAA's National Integrated Drought Information System (NIDIS) and National Centers for Environmental Information (NCEI) developed map customization features which allows users to display reservation and other tribal land boundaries on any map on Drought.gov. To use this feature, click the download icon in the top left corner of any interactive map on the website. Check "Show Tribal Nation Lines." For more information visit the [website](#) or contact the U.S. Drought Portal team at drought.portal@noaa.gov.

We All Take from the River is an educational game of resource management and social deduction. You play as settlers along an uninhabited river, each with a unique set of objectives to complete over the course of several days. Sometimes you and your neighbor's objectives will overlap and sometimes they will clash. Play [now](#).

Climate-Driven Relocation for Coastal Cities: Principles and Recommendations. Urban Ocean Lab. [Read more here](#).

EPA Launches New Website to Improve Transparency in Permitting. The U.S. Environmental Protection Agency announced the launch of a new website, epa.gov/permits, a centralized web-based platform for information about federal environmental permitting. [Learn more here](#) and access the new site [here](#).

White House Releases Wetland and Water Protection Resource Guide. The White House Council on Environmental Quality released a [Wetland and Water Protection Resource Guide](#) for Tribes, States, Territories, local governments, private landowners, and non-governmental organizations to advance water resource protection. The Resource Guide highlights technical assistance and funding opportunities available across the federal government.

Feds Roll Out New Tool to Assess Flood Risk, Make Implementing FFRMS Easier. A new beta tool on the Federal Flood Risk Management Standard (FFRMS) that will help users determine if a federally funded project is in a FFRMS floodplain is now available for review. The Office of Science and Technology Policy (OSTP) is requesting public comments on the beta version of the Federal Flood Standard Support Tool to assist federal agencies and applicants or recipients of federal financial assistance in FFRMS implementation. The tool uses both the freeboard value approach (FVA) and climate-informed science approach (CISA) to assess flood risk. [Read more here](#).

Here's why FEMA has spent about \$4 billion to help destroy flood-prone homes. CNBC. FEMA's Hazard Mitigation Grant Program supports local and state governments in purchasing the homes, demolishing them and turning the property into public land, in what are called floodplain buyouts. [Read more here](#).

US Map Shows 'Hazard Zones' for rising sea levels, tsunamis. Newsweek. A map by the National Oceanic and Atmospheric Administration reveals the areas of the U.S. that are most at risk from flooding and tsunamis as the sea level continues to rise. [Read more here](#).

Global warming could make tides higher as well as raising sea levels. New Scientist. High tides could be up to 4 centimeters higher in many places by 2100 as a result of the reduced mixing of ocean layers as seas get hotter, according to one of the first computer simulations of this effect. These increases will be in addition to overall rise in sea level. [Read more here](#).

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

Worried about Your Home Surviving the Next Disaster? Construction makes a difference, but community might make a bigger one. By Brian Libby. Illustrations by Joseph Laney April 17, 2024. [Read more here.](#)

The 2024 Building Codes Adoption Tracking (BCAT) Regional Reports are available now! FEMA develops the BCAT Regional Reports to provide people nationwide with an overview of the natural hazard-resistant building code adoption status in each state and territory within a FEMA region. The BCAT Reports show an annual percentage of communities adopting natural hazard-resistant building codes in high-risk flood, damaging wind, hurricane wind, tornado and seismic areas. States and territories are categorized as either “Higher Resistance,” “Moderate Resistance,” or “Lower Resistance,” and a summary of significant building code adoption information is provided. [Read the Overview for more information.](#)

Job, Scholarship, and Fellowship Opportunities

[Oregon:](#)

NEW - Marine Mammal High School Student Worker. Applications due: May 3, 2024. We are seeking one part-time (a maximum of 24 hours per week) GEMM Lab High School Student Research Assistant. The successful applicant will work with researchers from the Marine Mammal Institute to process samples and enter data in a lab setting at Hatfield Marine Science Center. Applicants should be comfortable looking through microscopes and working with computers and various software. The position is funded by a grant to encourage participation by economically disadvantaged high school students who reside in Lincoln County and adjacent coastal communities. Applicants must be 16 or older and have transportation to HMSC. Learn more [here.](#)

[Washington:](#)

Washington Sea Grant Hershman Fellowship. The Washington Sea Grant Hershman Fellowship offers a unique educational opportunity for soon-to-graduate or recently finished graduate students engaged in studies pertaining to ocean and coastal policy issues.

Applications open April 8 2024, closes May 10 2024. [Apply here.](#)

Washington Sea Grant Keystone Fellowship. The Keystone Fellowship is an exciting opportunity for recent master's or doctoral students in ocean, coastal or policy studies to collaborate on science and policy initiatives, prioritizing environmental justice, equity, and inclusion in their work. The WSG Fellowships Team will be available to discuss the fellowship and answer questions during several virtual drop-in office hours. Learn more [here.](#) **Applications are open April 1, 2-24, closes by 5 p.m. Friday May 17, 2024** and must be submitted [here.](#)

Habitat Strategic Initiative Policy Lead. Applications Close May 7th 2024. Co-lead the cross-agency Habitat Strategic Initiative Lead (HSIL) team (Washington Department of Fish and Wildlife (WDFW) and Department of Natural Resources (DNR)), to advance habitat protection and restoration in Puget Sound under a cooperative agreement with the U.S. Environmental Protection Agency (EPA). [Apply here](#)

Climate and Ecosystem Fisheries Research Scientist. Application closes May 15 2024. Play a crucial role in advancing the agency's mission by leveraging scientific expertise to understand and address the impacts of climate-driven changes on ocean conditions and activities. This role serves as the Intergovernmental Ocean Policy division's primary scientific advisor for integrating climate science into shellfish fishery monitoring and ecosystem-based management plans. The incumbent collaborates closely with internal agency teams as well as external partners including NOAA Fisheries Science Centers, universities, and other relevant experts to inform strategic decision-making and enhance scientific understanding in fisheries management. [Apply here](#).

[Pacific Northwest/ Other:](#)

UCAR's Next Generation Graduate Fellowship Program is accepting applications for the 2024 cohort. Deadline to Apply: May 31, 2024. The Next Generation Fellowship is a 2 year program for students currently enrolled in graduate studies related to Earth System Sciences at a North American university (USA, Mexico, Canada). This program provides the opportunity for Fellows to explore the interplay between scientific research, diversity and inclusion, and public policy within the field of Earth Systems Science. During their two year fellowship, Fellows pursue one of three tracks - Earth System Science; Diversity, Equity and Inclusion; or Science Policy - collaborating with UCAR experts while participating in dedicated professional development and leadership training opportunities. Each Fellow receives a \$40,000 award over two years (\$10,000 twice per year); up to 20 weeks of paid research trips to Boulder, CO or Washington, D.C. or other agreed upon location; funding to attend conferences, professional coaching; and the support of a like minded cohort. Applications for the 2024 cohort are currently being accepted through the UCAR website. **Submit applications** via the UCAR program [website](#). Register for information sessions [here](#).

Quick Links

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

[Oregon Coastal Futures Project](#)

[Oregon Coastal Atlas](#)

[Oregon Coastal & Ocean Information Network](#)

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