

Pacific Northwest Coastal Hazards Resources Newsletter

August 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 **August 24, 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

Survey - Coastal Hazards Preparedness Assessment for the hospitality Industry on the Oregon Coast. Oregon Sea Grant and Oregon State University Extension Service want to support vibrant and sustainable coastal economies and improve preparedness and resilience to natural coastal hazards such as erosion, flooding, and tsunamis (distant and local). **In support of the hospitality industry we are asking hospitality businesses to complete the following [online survey](#).** You are more than a hospitality business, you are a community partner with a large influence on the economy of the Oregon Coast and the well-being and safety of its workforce and visitors. **The purpose of this survey is to gauge your interests and needs to be better prepared and able to respond more effectively in the event of natural hazard events. The survey results will inform the development of new training and resources. This survey takes about 20 minutes to complete.** If you have any questions or feedback about this survey, please email Felicia Olmeta-Schult, Extension Coastal Hazards Specialist at Oregon Sea Grant. [Access the survey here](#).

Survey - Risk Communication and AI. Researchers at the University of Washington are working with the NSF AI Institute for Research on Trustworthy AI in Weather, Climate, and Coastal Oceanography (AI2ES) Risk Communication team to **study people's thoughts about artificial intelligence (AI)**. They would be grateful if you could spare 15 minutes to complete a short word categorization task and answer a few questions. You can start the study by clicking on [this link](#). (Please only click on the link once!). If you have any questions, contact the project team [here](#).

Washington Department of Ecology was awarded \$73.5 million dollars to advance a portfolio of climate resilience projects through the NOAA Climate Resilience Regional Challenge. Funded work will improve the capacity of coastal Tribes and communities to thrive in the present, and adapt to meet current and future climate threats and challenges. Shovel-ready projects will progress in three regions that represent Washington's diverse coastal ecosystems and unique cultures; North Puget Sound (\$21.7 million), North Olympic Peninsula (\$24 million) and along the Pacific coast (\$15 million). The award will also fund a grant program

for coastal Tribes (\$3.9 million), a fellowship program (\$3.6) and development of career pathways (\$1.26 million), all with a coastal and climate resilience focus.

The Baker Bay and Grays Bay: Community-Based Coastal Resilience Strategy report ([access here](#)) is now featured on a dedicated webpage on the CHRN website ([here](#)). This report is the culmination of a three-year initiative (2021-2024) aimed at supporting locally-led efforts to reduce the impacts of changing water levels on the communities and habitats of Baker and Grays Bay, located in the Lower Columbia River Estuary, Washington. The [Coastal Hazards Risk Reduction Project Mapper](#) has been updated to include information on the Baker Bay report (number 41) and the Grays Bay report (number 42).

More good news for coastal resilience in the Pacific Northwest! [NOAA recently announced](#) over \$80 million dollars in funding ([Transformational Habitat Restoration and Coastal Resilience](#)) for **three projects in Washington State, two projects in Oregon, and three in California that will strengthen the climate resilience of coastal ecosystems and communities. Congratulations to the project sponsors!**

Washington Department of Ecology Shoreline Management Act (SMA) rulemaking. The Department of Ecology is inviting you to meet with us for an initial listening session regarding the current [Shoreline Management Act \(SMA\) rulemaking effort](#). You can view a recorded webinar from the initial tribal information session [here](#). During the upcoming listening sessions, Ecology would like to hear from your team regarding your priorities and concerns related to implementation of the SMA, the development of new sea level rise requirements for shoreline master programs, and any other topics that you would like to identify. We are planning to hold these initial meetings over the summer and fall of 2024. In addition, Ecology is conducting an **Environmental Justice Assessment (EJA)** under the HEAL Act to inform this rulemaking. With your permission, we will summarize and include the information from these listening sessions as part of the EJA. If you would like to schedule a meeting with Ecology, please email [here](#) with your preferred dates and times. If a meeting is not your preferred option, Ecology also welcomes any input you would like to share via phone or email.

Comprehensive Plan Update - Clatsop County, Oregon. Click [here](#) to see the county's public information about the plan update, and find links to the current language in the plan relating to the goals under review.

Lighthawk Flies Oregon Shores Conservation Coalition to Aid Coastal Conservation. Oregon Shores, with their partners in Surfrider, is working to build support for improved shoreline management and long-term solutions. They will soon put their "[Oregon Beaches Forever](#)" campaign into action, to start a statewide conversation about the future of Oregon beaches. The hundreds of photos obtained during the flight will help them sound the alarm and identify priorities for protection. [Learn more here](#).

The Pacific Marine and Estuarine Fish Habitat Partnership (PMEP) funds projects along the West Coast. Two of the four FY24 PMEP funded projects are: Bayview Oxbow Tidal

Restoration Final Design, Alsea Bay, OR, and Henderson Bay Armor Removal, WA. [Read more here.](#)

NOAA launches 9 climate resilience job training programs. On June 11, the Biden Administration [announced](#) \$60 million in funding to help train and place people in jobs that advance a climate-ready workforce for coastal and Great Lakes states, Tribes, and Territories as part of the Investing in America agenda under the Inflation Reduction Act. **One of the funded projects is in Washington: “Tribal Stewards: Cultivating Tribal leadership & equity in natural resource co-stewardship & climate resilience.” The award recipient is the Washington State Board for Community and Technical Colleges (\$9,257,231).**

FEMA Announces FY23 BRIC Awardees. FEMA announced nearly \$1 billion in awards for 656 projects for the [FY23 Building Resilience Infrastructure and Communities \(BRIC\)](#) grant cycle. \$587 million is going towards [Justice40 Initiative](#) communities, where 40% of the overall benefits of certain federal investments go to disadvantaged communities. \$127 million is going towards [Community Disaster Resilience Zones](#). Read more [here](#).

FEMA Solicits Feedback on Updating the National Flood Insurance Program’s Community Rating System (CRS) Mitigation Incentive Program. The CRS offers premium discounts for NFIP policyholders in communities that implement eligible flood hazard mitigation practices. Public meetings will be held in late August. Comments may be submitted via [Regulations.gov](#) until **Monday, September 9, 2024**. Read the FEMA notice [here](#).

Upcoming Webinars, Meetings & Events

August 1, 2024 - 6:30-8:00 pm PT. MidCoast Watersheds Council August Community Meeting. The MidCoast Watersheds Council hosts local artists Liz Fox and Sandy Roumagoux, who will discuss their latest exhibit, *Between the Tides*, and share how the coastal regions of Lincoln County inspire their work. In celebration of the evening, the galleries at the Pacific Maritime Heritage Center will be open and free for attendees to explore at 5:30, before the talk begins at 6:30. Pacific Maritime Heritage Center, 333 SE Bay Blvd., Newport, OR 97365. [Zoom registration here.](#)

August 1, 2024 - 10:00 a.m. - 11:30 a.m. PT. Natural Hazards Center. [Public Health Disaster Research Award Webinar](#) on public health preparedness and response in U.S. territories, rural communities, and tribal nations.

August 12, 2024 - 11:00 am - 12:00 pm PT. Nature-based Coastal Solutions - Great Lakes Webinar: "It Should be, I'm at Service to This Nation": Considerations for Technical Research with Indigenous Nations. Learn more and register [here](#).

August 13, 2024 - 12:00 p.m. - 1:30 p.m. PT [Seven Best Practices for Risk](#)

[Communication:](#) | [Register here](#). This interactive webinar introduces participants to seven best practices, numerous techniques, and examples for communicating about coastal hazards. Please note that this training focuses on improving risk communication skills for coastal hazards planning and preparedness, not crisis communication. Visit NOAA Digital Coast Training Calendar [here](#).

August 22, 2024 - 12:00 p.m. - 1:30 p.m PT [Advancing Coastal Resilience through Nature-Based Solutions](#) | [Register here](#).

This webinar will showcase two programs aimed at expanding the availability of qualified practitioners that can install living shorelines and other nature-based shoreline approaches. For additional NOAA resources on nature-based solutions, visit the [Digital Coast topics page](#). Visit NOAA Digital Coast Training Calendar [here](#).

August 22, 2024 -12:00 - 1:00 pm PT: CERF Webinar on “[Successional Trajectories Of Coastal Forested Floodplains Wetlands Along The River Continuum](#),” presented by Elliott White Jr., Assistant Professor, Stanford University. Members: free. Non-members: \$25.

Aug 27, Aug 28, 2024 - 9:00 am - 12:00 pm PT. [Virtual - Facilitation Basics for Coastal Managers](#). NOAA Office for Coastal Management. Live Webinar. For additional information or to register, e-mail jan.kucklick@noaa.gov. Visit NOAA Digital Coast Training Calendar [here](#).

Recorded Webinars

[Neighbors Helping Neighbors Community Centered Severe Weather Preparedness and Resilience](#)

[Strengthening Indigenous America: Building Resilience through Disaster Preparedness, Response, and Recovery \(A Workshop\) - Recording](#)

Comunidades Preparadas para Desastres. Event for organizations Serving Spanish-speaking Communities: How to help during and after disasters. Part 1 of the two-part webinar series is available on the Oregon Emergency Management Youtube Channel [here](#).

[How Hazard Mitigation and Water Resource Planning Flow Together](#)

[Webinar Series: Funding and Financing Coastal Resilience](#). This series builds foundational knowledge about funding and financing approaches used to support coastal resilience activities. Learn from experts, who will demystify this complex topic by sharing traditional and emerging approaches, project examples, and lessons learned.

Workshops & Training

NEW- August 2024 - January 2025. Virtual. [Certificate in Climate Action Planning - Gonzaga University for Lifelong Learning](#). Use code SAVE10 for 10% off course registration. Spaces limited.

NEW- August 6, 2024 - 9:00 - 11:30 am PT. CoSMoS Coastal Groundwater Hazards with Rising Seas Puget Sound Virtual Workshop. [Register here](#).

NEW- Professional Development Course in Coastal Climate Resilience from UC Santa Cruz. Gain expertise from top sustainability and resilience professionals in the new professional development course in [Coastal Climate Resilience](#). The fall cohort begins September 6, 2024. Limited fellowships are available and we are particularly interested in supporting tribal members and practitioners and liaisons from underserved communities. **Registration closes August 23.** Virtual information session August 12 at 9:00 am. Learn more [here](#)

NEW- October 24 – Friday October 25, 2024. Save the Date for the 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. Please visit the [Habitat RFP](#) page for updates and specific information about registration and venue later this summer.

EPA Launches EJSCREEN 2.3, The Community Environmental Justice Mapping Tool & Trainings. The U.S. Environmental Protection Agency (EPA) has completed its annual update to [EJScreen](#), the Agency's publicly available environmental justice (EJ) screening and mapping tool.

National Center for Disaster Preparedness: New Web-Based Training. Web-based trainings are currently available for mass care and relocation, pandemic planning, post-disaster housing, and economic disaster recovery. You can complete these free, web-based trainings on your own time. [Learn more here](#).

[A Seat at the Table: Training for Whole-Community Climate Resilience Planning](#). This online learning resource helps coastal resilience planning practitioners incorporate the needs and perspectives of socially vulnerable populations into resilience planning using inclusive, community-driven processes. The resource provides helpful checklists, visuals, examples, and an overview of whole-community planning with resources for identifying and engaging socially vulnerable populations.

Upcoming Conferences

NEW - August 9, 2024, Global Indigenous Youth Summit on Climate Change (GIYSCC).

The Global Summit provides a platform to accelerate global engagement with Indigenous youth communities, cultures, languages, ethnicities, countries, and continents across the world.

[Registration is free](#)

NEW - West Coast Ocean Alliance Annual Summit Proposals. Applications Due August 13, 2024.

The West Coast Ocean Alliance (WCOA or Alliance) is requesting proposals to support meeting design, logistics, and facilitation for its in-person Annual Summit, a 2-2.5 day meeting scheduled for January 15-17, 2025 at Quinault Beach Resort in Ocean Shores, WA.

[The full RFP is linked 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](#).

NEW - August 26-29, 2024. [ASBPA National Coastal Conference 2024](#).

Galveston Texas. The National Coastal Conference welcomes all coastal stakeholders and managers to learn the latest science, engineering, and policy needed to maintain and improve the health of our beachfront and estuarine shorelines and ecosystems. This year's theme, Wrangling the Waves of Change: Adapting to Coastal Dynamics, was chosen to highlight the multitude of coastal habitats and stakeholders on Galveston Island and along the central Gulf Coast. We will gather in person for three days of coastal science, policy and technology including a sediment workshop hosted by the Texas General Land Office and a Coastal Zone Foundation Short Course.

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](#).

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 28-29, 2024. [Building Coastal Resilience Conference](#), University of Porto, Porto, Portugal. In this conference, we hope to combine the scientific information on large-scale demonstrations of hybrid nature-based solutions with the contributions from academia in the broader topic of coastal morphodynamics at sandy beaches and dunes. Exchange of information on running projects between researchers is key to the conference, with emphasis on young PhD researchers.

NEW - November 6th and 7th, 2024. 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](#)

NEW - November 22 - 23, 2024. [Oregon State of the Coast](#). Seaside, Oregon - Civic & Convention Center. The program will have a Friday evening event followed by the full Saturday Conference. **The 2024 [call for sessions](#) will be open until August 5th.**

NEW - January 27-30, 2025. [Coastal GeoTools Conference](#). Wilmington, North Carolina. The Coastal GeoTools conference, established in 1999, is typically held every two years and focuses on geospatial data, tools, technology, and information for coastal resource management professionals.

Funding Opportunities

NEW - [Tribal Access to Emerging Private Markets for Climate Mitigation or Forest Resilience](#). **Deadline: August 21, 2024.** USDA Forest Service announced a competitive grant opportunity authorized under the Inflation Reduction Act and is available to Tribal Nations, Tribal organizations and other Tribal entities specifically. The Forest Service is providing at least \$20M in competitive funds to support Tribal Nation participation in emerging private markets for climate mitigation or forest resilience. Examples of emerging markets and related proposed projects may include markets for water quality and quantity, carbon, biodiversity, and wetland restoration. .

NEW - The Washington Habitat Strategic Initiative Lead (HSIL) Request For Proposals. **Deadline: August 27, 2024.** The HSIL will invest up to \$1 million to fund near term activities that increase long-term strategic coastal resiliency planning for existing and projected sea level rise and other climate related hazards for nearshore habitat across Puget Sound. The HSIL will also invest up to \$1 million in proposals to improve our understanding of the effectiveness of different soft shore designs on allowing physical processes to maintain shoreline structure and

function to increase confidence and adoption where appropriate for habitat protection and restoration activities in Puget Sound. Learn more [here](#).

USDA Forest Service Inflation Reduction Act Forest Landowner Support: Tribal Access to Emerging Private Markets for Climate Mitigation and Forest Resilience. **Deadline: August 21, 2024.** This forecasted funding opportunity will solicit proposals for IRA provision Subtitle D, Sec. 23002 (a)(2) and (a)(3) which provide the USDA Forest Service with funding to support the participation of underserved and small-acreage forest landowners in emerging private markets for climate mitigation or forest resilience. Learn more [here](#).

NEW - [BIA Tribal Climate Resilience Annual Awards Program](#). **Deadline: October 18, 2024.** BIA has announced over \$120M will be made available across three funding categories: Category 1 - Planning (\$250K max, competitive); Category 2 - Implementation (\$4M max, competitive); and Category 3 - Relocation, Managed Retreat, Protect-in-Place (\$150K per year over 3 years, non-competitive) Staff. TCR awards may also be used to meet other Federal and non-Federal cost share/match requirements required by statute. [Access the RFP 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. 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](#).

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. By working with them, cities can integrate climate action and sustainability commitments with their public art strategies to cultivate vibrant, engaged, and ocean-minded communities. [Learn more and apply here](#).

Highlighted Media, Publications, and Online Resources

[Hazards Around the Nation:](#)

Rapidan Dam partial Failure sent more than a century's worth of sediment pollution downstream. MPRnews, July 5th 2024. Read more [here](#).

Ambitious Living Shoreline Project Combats Coastal Land Loss in South Carolina. July 1 2024. With \$6.8 million from NOAA, The Nature Conservancy will build a 2,000-foot-long living shoreline near Marine Corps Air Station Beaufort. Read more [here](#).

Looming Deadlines for Coastal Resilience. Union of Concerned Scientists, June 25, 2024. A new scientific report suggests more and more U.S. coastlines will see regular flooding as a consequence of climate change. Read more [here](#).

Beach Erosion Will Make Southern California Coastal Living Five Times More Expensive by 2050. Rising sea levels and urban development are accelerating coastal erosion at an alarming rate in Southern California with significant ripple effects on the region's economy, a [USC study reveals](#). Read more [here](#).

Researchers at UBC and SFU are mapping and visualizing climate disaster impacts across British Columbia in order to equip communities and decision-makers with detailed information that promotes proactive climate adaptation, disaster risk reduction and climate justice. Learn more [here](#).

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

Living in the 'Blue Zone' of a Sea-level Rise Inundation Map: Community Perceptions of Coastal Flooding in King Salmon, California. Richmond, L. and K. Kunkel 2024. Climate Risk Management. Read more [here](#).

Hearing from Californians on the Front Lines of Climate Change. California Sea Grant, June 17, 2024. A new paper gives voice to the residents of King Salmon — California's community hardest hit by rising seas. Read more [here](#).

Map Shows where Oregon will be Underwater as Climate Changes and Temperatures Rise. The Oregonian, June 7, 2024. Read more [here](#).

Guillaume Mauger named Washington State Climatologist. UW, May 31 2024. Read more [here](#).

Jim Thatcher Tackles Climate Change Board Games By Paul Lask. OSU CEOAS Strata. Read more [here](#).

Amelia Marchand Appointed to Advisory Council on Historic Preservation. Amelia Marchand, who has been serving as the NW CASC Interim Senior Tribal Climate Resilience Liaison through the Affiliated Tribes of Northwest Indians (ATNI), has been appointed to a 4-year term on the Advisory Council on Historic Preservation (ACHP) by President Biden. Read more [here](#).

OSU Puts Out Wildfire Risk Maps. KEZI ABC News, June 25, 2024. Learn more [here](#).

Homes Evacuated Due to Toledo Brush Fire. Lincoln County Leader, July 16, 2024. Read more [here](#).

OSU Extension Fire Program Celebrates Four Years of Impactful Outreach. OSU Extension Service. Read more [here](#).

Climate Change and Wildfire in Idaho, Oregon, and Washington. Rising temperatures and changing precipitation patterns could lengthen wildfire seasons, increase wildfire frequency, size, and total area burned, and possibly increase wildfire severity. Learn more [here](#).

Significant Wildland Fire Potential Outlook. Above normal potential is forecast for much of southern Idaho into central and southeast Oregon from July through September due to well above normal fine fuel loading (e.g., grasses such as cheatgrass). Above-normal potential is also expected in northwest Washington and northern Idaho through September. Learn more [here](#).

Riparian Areas, Wetlands, and Climate Change in the Northwest. The Northwest Climate Hub recently released a technical guide, webpage, and factsheet on climate change effects and adaptation options for riparian areas and wetlands in Idaho, Oregon, and Washington. Read more [here](#).

Special Edition Drought Status Update for Pacific Northwest Tribal Nations. The NOAA National Integrated Drought Information System. Read more [here](#).

Some Models to Keep Insurance Companies from Pulling Out of States. Governing, June 6 2024. Read more [here](#).

The Possible Collapse of the U.S Home Insurance System. New York Times. May 15 2024. Read more [here](#).

America Underwater: How Rising Sea Levels Will Transform the US. Newsweek. Read more [here](#).

Climate Change is Fueling the Loss of Indigenous Languages That Could Be Crucial to Combating It. Inside Climate News, June 2 2024. Read more [here](#).

Bureau of Indian Affairs Tribal Climate Resilience Program - Tribal Liaison Network. The Tribal Climate Resilience Liaison Network assembles a team of Liaisons located throughout the United States who support Tribal Nations and Alaska Native villages in their region to advance adaptation planning and implementation in the face of climate change. Learn more [here](#).

Federal Climate Vulnerability Maps Overlook Low-Capacity Communities. Headwater Economics. Read more [here](#).

Facing Climate Gentrification, an Historic African American Community Outside Charleston, S.C Embraces Conservation. Inside Climate News, July 7 2024. Read more [here](#).

The National Environmental Justice Thriving Communities Technical Assistance Centers (EJ TCATC) launches a [website](#) to facilitate direct support between communities pursuing environmental and climate justice and resources tailored to meet their specific needs.

[NOAA's National Center for Environmental Information](#) has released a [StoryMap](#), titled "Climate Stripes." This work was inspired by the work of British climate scientist Ed Hawkins, who in 2018 created a collection of graphics that have become known as "[Climate Stripes](#)." These bar-code-like images turn a location's annual climate data into a row of colored stripes.

FEMA Outdoor Fire Safety Resources. 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.

FEMA Wildfire Smoke Preparedness. 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](#). Smoke preparedness information can be found at [airnow.gov](#)

FEMA #SummerReady Extreme Heat Summit. Learn more from [FEMA's Extreme Heat Summit](#), which focused on the actions state, local, tribal, territorial leaders, and communities can take to reduce the effects individuals face due to heat waves. Visit [heat.gov](#), which serves as the premier source of heat and health information for the nation.

Climate Change Fueling Surge in Extreme Rainfall, Warns Climate Central Study. [Read more](#)

Cemeteries Can Be Damaged by Climate Change—and Provide Climate Refuge. Inside Climate Change, June 11, 2024. Read more [here](#).

Climate Change Indicators in the United States. EPA has released the fifth edition of its [Climate Change Indicators in the United States Report](#) including updated data, connections, and two brand new indicators to the collection.

Climate Change in the American Mind: Beliefs & Attitudes. The Yale Program on Climate Change Communication has published a report based on findings from a nationally representative survey.

Can a new version of Catan, the cult-favorite board game, make climate change fun to talk about? By Sachi Kitajima Mulkey. Grist. July 10, 2024. Read more [here](#).

USGS CASC has a new webpage: [Deep Dive: Environmental and Climate Justice](#) which includes resources on environmental and climate justice principles and how they are incorporated into scientific endeavors and includes access to recordings of their recent webinar series "[Incorporating Climate and Environmental Justice into Research and Resource Management](#)"

Forum on the Use of the National Water Model for Community Planning.

- [Session Recording](#): A full recording of the Forum (excluding breakout rooms) is available on the Global Resilience Institute YouTube channel
- [NWM Resource Website](#): Our study website, which includes information on Phase 1, links to NWM and NOAA information pages, and more.
- [NWPS StoryMap](#): An interactive resource to help new and returning users navigate the National Water Prediction Service interface
- [National Water Prediction Service](#): water.noaa.gov, which includes the National Water Model and related services
- [Use Case Summaries](#): Written versions of the six use cases presented in this forum are now available online

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

ShakeAlert early warning system adds real-time satellite data to improve earthquake detection. KING 5/Pacific Northwest Seismic Network; Earth and Space Sciences. Read more [here](#).

Seattle area not prepared for climate disasters, study finds, Axios Seattle/Washington Sea Grant. Read more [here](#).

What new research on the Cascadia fault finds about the Pacific Northwest's 'big one' (06/11/2024 Oregonian). Read more [here](#).

In Lincoln County, agencies prepare for Cascadia earthquake. By Sage Van Wing (OPB) May 15, 2024. Read more [here](#).

Research needs to inform coastal healthcare disaster risk management in the Pacific Northwest: A report of two partner workshops. Read more [here](#)

The new issue of the NTHMP TsuInfo Alert newsletter is now available. This issue includes an article about the new NTHMP Administrator Sarah Rogowski, BC's emergency preparedness week, a partnership to help educate Hispanic-Latinx residents of Oregon about natural hazards, new tsunami research, and more. Read more [here](#)

FEMA Streamlines Benefit-Cost Analysis. FEMA is streamlining Benefit-Cost Analysis in Hazard Mitigation Grant Programs and Public Assistance mitigation funding to facilitate access to make more communities resilient to natural hazards and the effects of climate change. Read more [here](#)

Pet disaster preparedness. Prevent tragedy by preparing for a disaster or everyday emergency before it happens. By Bethany W. Adams. [Read more here.](#)

Coping Financially with Disasters. Extension Disaster Education Network. This resource guides individuals and families needing information on how to recover from economic losses after a natural disaster. [Read here.](#)

Extreme heat, wildfire smoke belong in FEMA's major disaster definition, petition says. By Ysabelle Kempe. Smart Cities Dive. [Read here.](#)

Youth Preparedness Initiative. The curriculum is designed to equip youth with the necessary skills, knowledge, and resources to effectively respond to and cope with disaster situations and are aligned with Louisiana State Standards. [Access here.](#)

FEMA - Building Science Success Stories. This page highlights numerous stories from around the nation where individuals, communities, and even states have taken action to increase their building safety. [Explore here.](#)

2023 FEMA Resilience Year in Review report. The year 2023 displayed the escalating effects of the climate crisis with an emergency or disaster declaration occurring on average every three days. This report emphasizes the critical importance of collaboration and continuous improvement as we face escalating climate challenges together. [Read here.](#)

FEMA, in collaboration with the American Red Cross, is excited to announce an expansion of the Prepare with Pedro suite of activities. Three hazard-specific storybooks, focusing on Extreme Heat, Wildfire and Hurricane preparedness are now available. The storybooks are available in English and Spanish and can be ordered from the [FEMA Warehouse](#) or downloaded from the [Prepare with Pedro website on Ready.gov.](#)

FEMA's Office of Disability Integration and Coordination (ODIC) released a new version of its training course, [IS:368.A: Including People with Disabilities in Disaster Operations.](#)

FEMA and the Rosalind Carter Institute for Caregivers (RCI) announced the release of the [Take Control in 1, 2, 3: Disaster Preparedness Guide for Caregivers](#).

Job, Scholarship, and Fellowship Opportunities

[Oregon:](#)

Carnegie Community Engagement Classification Coordinator. Oregon State University Division of Extension and Engagement . Corvallis. **Full consideration: August 6. Closes: August 21.** Learn more and apply [here](#).

Two positions: Executive and Administrative Support. Oregon Department of Land Conservation & Development(DLCD). 1 Permanent and 1 Limited Duration position. The purpose of these positions are to provide confidential administrative support for the Deputy Director and the Assistant Director at Department of Land Conservation and Development (DLCD). As backup to other administrative support positions at the agency, these positions also provide transportation logistics, meetings, and other logistical support. One of these positions is limited duration through June 30, 2025 with the possibility of becoming permanent depending on funding. **Deadline: August 9, 2024.** [Apply here](#).

Conservation Outreach Assistant, Benton Soil And Water Conservation District. Join our talented staff to support several of our most impactful programs, including the Invasive Species Program, Native Plant Program, and Youth Education. The Conservation Outreach Assistant will provide support and leadership for these and other programs by educating residents about noxious weeds, assisting with our two native plant sales, and leading environmental education programs for both youth and the public. **Applications review will start on August 12.** Apply [here](#).

Operations Coordinator. Marys River Watershed Council. Marys River Watershed Council, a nonprofit watershed organization based in Corvallis, Oregon, is hiring a full-time Operations Coordinator. Primary duties of the position will be assisting MRWC's Executive Director in managing the day-to-day operations of MRWC. **Applications review will start on August 16.** Apply [here](#).

Natural Resource Policy Fellowship. Oregon Sea Grant. This fellowship is intended to give fellows first-hand experience in natural resource policy at the state level. The Natural Resource Policy Fellowship (NRPF) will place applicants in an Oregon state agency or nonprofit for one year. **Applications will be accepted on a rolling basis and reviewed in the order they are received until positions are filled or until Aug 30, 2024 5:00 p.m. PT.** Learn more and apply [here](#).

Washington:

Youth Engagement Coordinator. Seattle Aquarium (Seattle, WA). The Seattle Aquarium is hiring a Youth Engagement Coordinator passionate about youth leadership in solving conservation and environmental justice in their communities. [Learn more and apply here.](#)

Large-scale Project TMDL Lead (Environmental Specialist 5). Washington State Department of Ecology. In this position, you would lead the development of technically and politically complex water clean-up plans and work on statewide TMDL policy and work on the Puget Sound Nutrient Reduction Project, which is using the latest science to develop a plan to reduce human sources of nutrients to the Sound. [Apply here.](#)

Marine and Estuarine Resilience Program Manager. Pacific Conservation District. The Marine and Estuarine Resilience (MER) Program supports collaborative adaptation to flooding, erosion, climate change, and other stresses affecting coastal communities and ecosystems, involving workshops, technical assistance, and implementation of coastal restoration and resilience projects. The Project Manager will help shape the program while supporting present and future priorities across Willapa Bay and its tributaries, the Columbia River estuary, and the Pacific coast of Pacific County, Washington. Applications (application form, cover letter, and resume) will be accepted until position(s) are filled, **with first review occurring August 1, 2024.** [Learn more and apply here.](#)

Physical Scientist. NOAA, National Marine Fisheries Service (NMFS), Northwest Fisheries Science Center (NWFSC). Seattle . **Deadline: August 5, 2024.** [Learn more and apply here.](#)

Coastal, Floodplain, and Shoreline Management Section Manager. Washington State Department of Ecology. The Shorelands and Environmental Assistance (SEA) program within the Department of Ecology is looking to fill a Coastal, Floodplain, and Shoreline Management Section Manager (WMS Band 2) position. This position will be located in our Headquarters Office in Lacey, WA. [Learn more and apply here.](#)

Climate Change Outreach Specialist. Washington State Department of Ecology. The Climate Pollution Reduction Program (CPRP) is looking to fill a Climate Change Outreach Specialist (Community Outreach and Environmental Education Specialist 3) position. This position is located in our Eastern Region Office (ERO) in Spokane, WA. In this role, you'll provide outreach and community environmental education for the Hydrofluorocarbon (HFC) program that connects with the diverse people and communities we serve statewide – helping shape some of Washington's cutting-edge environmental work. [Apply here.](#)

Transportation Planner/Project Manager. KPFF Consulting Engineers (Seattle, WA). Under the general supervision of a principal and/or associate, perform a variety of project management, coordination, and planning duties to support the delivery of waterfront and transit planning projects to public agency and private clients. Responsible for the planning,

coordination, implementation, execution, control and completion of projects and project tasks. [Apply here.](#)

[Pacific Northwest/ Other:](#)

Environmental Coordinator-Community & Ecosystems Climate. Environmental Department, Yurok Tribe (Klamath/Weitchpec, CA). The Environmental Coordinator (EC) is a multi-discipline environmental professional position under the direct supervision of the Program Manager and general supervision of the Environmental Director. The position is entirely grant funded and grant writing and project reporting is an important and necessary function. [Learn more and apply here.](#)

Environmental Specialist/Restoration Ecologist. Fisheries Department, Yurok Tribe (Weaverville, Willow Creek, CA). Serve as a Restoration Ecologist/Environmental Specialist to assist with river and watershed restoration planning, design, monitoring, and construction support, specializing in environmental compliance/permitting, restoration quality control/assurance, and watershed/restoration monitoring for the Yurok Tribe working with the Fisheries Department under general supervision of the Senior Civil Engineer in Weaverville. [Learn more and apply here.](#)

Marine Director. Natural Resources/Marine Department, Yurok Tribe (Klamath/Eureka/Arcata, CA). 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. [Learn more and apply here.](#)

Deputy Executive Officer. California State Coastal Conservancy. Alameda County. **Deadline: August 20, 2024** [Learn more and apply here.](#)

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](#)



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