



Oregon Coast

OCEAN NEWS

A monthly newsletter of ocean science, marine conservation & climate news.



Photo: Luke Flynt



Oregon Coast Ocean News is here to provide you the most important Oregon Coast stories and events. We continue to highlight important work and research from our many partners on Oregon's marine reserves and the impacts of climate change on our coast and communities. We also share many ways to stay connected to coastal conservation and stewardship.

Please consider [donating](#) to the Coast Range Association to help keep this important newsletter in your inbox. This newsletter is entirely supported by your donations. With your help we can continue to build a more informed society as we face the many social and environmental crises facing Oregon and our nation. Something you would like to see in these newsletters? Send an email, andrew@coastrange.org.

Ocean Issues News

Ocean warming, sea level rise, acidification & other
Oregon Coast news.



[Ocean Climate Action Plan offers Cure for Post-Pandemic Economy with Solutions for Climate Emergency](#)

Blue Frontier, 7.13.20

The Center for the Blue Economy and Blue Frontier just issued a unique, comprehensive, Ocean Climate Action Plan (OCAP)—the Blue New Deal—offering a cure for the battered post-pandemic economy and solutions for the climate emergency. Many of these recommendations appear in the new Democratic climate plan, however, OCAP adds additional and practical

solution-oriented proposals that go beyond the current Democratic thinking.

[Ocean Justice: Where Social Equity and the Climate Fight Intersect](#)

Yale Environment 360, 7.16.20

Marine biologist Ayana Elizabeth Johnson sees her work on ocean conservation as linked to issues of social justice and climate. In an e360 interview, she talks about the need to diversify climate science and activism and bring in the perspectives and energy of people of color and women.

[What Kelp Forests Can Do for the Climate](#)

Enzia, 6.24.20

It's the capacity to draw CO₂ from the atmosphere that has added "climate mitigation" to kelp's list of benefits. When we talk about ways oceans can sequester carbon, the conversation typically revolves around mangroves, salt marshes and seagrass meadows. But "the magnitude of carbon sequestered by algal forests is comparable to that of all those three habitats together," says Carlos Duarte, a professor of marine science at the King Abdullah University of Science and Technology in Saudi Arabia. "Algal forests should not be left behind. They have been hidden for much too long."



[Yaquina Estuary Restoration Project will begin this summer, providing benefits to salmon](#)

The News Guard, 6.27.20

Beginning in July and extending into early September, those who travel Elk City Road upriver from Toledo, will notice equipment in the tidal marsh across the Yaquina River. The MidCoast Watersheds Council (MCWC) and partners will be working to restore a 55-acre site owned by The Wetlands Conservancy so that juvenile salmon and other important estuary species can thrive here.

[Bonamici, Young Call for Investment in Ocean, Coastal Recovery](#)

Bonamici Press Release, 6.23.20

During National Ocean Month, Representatives Suzanne Bonamici (D-OR) and Don Young (R-AK) led 64 of their colleagues in calling on House Leadership to invest in our coastal communities by including funding in any future economic recovery package for coastal restoration and resilience projects, ocean data and monitoring, and research and extension efforts.

[Plastic waste entering oceans expected to triple in 20 years](#)

The Guardian, 7.23.20

Plastic waste flowing into the oceans is expected to nearly triple in volume in the next 20 years, while efforts to stem the tide have so far made barely a dent in the tsunami of

waste, research shows.

[Even the South Pole Is Warming, and Quickly, Scientists Say](#)

The New York Times, 6.29.20

Surface air temperatures at the bottom of the world have risen three times faster than the global average since the 1990s.

[Fish do grow on trees](#)

Oregon Coast Today, 7.13.20

I met Evan Hayduk, 35, with Mid-Coast Watershed Council when I first moved to the coast from Portland. That was Jan 2019 at Oregon Coast Community College for a dual presentation as part of the Williams Lecture series.

“Shedding a Scientific and Humanitarian Light on Climate Change” was a one-two punch featuring Hayduk alongside Bill Kucha, well-known artist and founder the 350 Oregon Central Coast.

Oregon Marine Reserve News

From the Oregon Department of Fish & Wildlife Marine Reserve Program. Visit their [website](#) to learn more.



Photo: Oregon Marine Reserves

Podcast: A Plunge Underwater Into Oregon's Marine Reserves, 7.30.20

ODFW's past OSU-ODFW Science Integration Fellow, Ashley Knight, was recently featured in a podcast produced by [Meet the Ocean](#). Join Ashley in this 10 minute [podcast](#) as she shares some of her underwater SCUBA adventures and explores what lies beneath the surface at Oregon's marine reserve sites. Listen as she describes descending into frigid and murky waters, battling strong underwater surges, encountering big schools of Black Rockfish, and piloting an underwater [stereo video camera system](#). All making for good science and great stories. You can also check out the ODFW Information Report authored by Ashley during her Fellowship: [A stereo video system for monitoring Oregon's Marine Reserves](#)



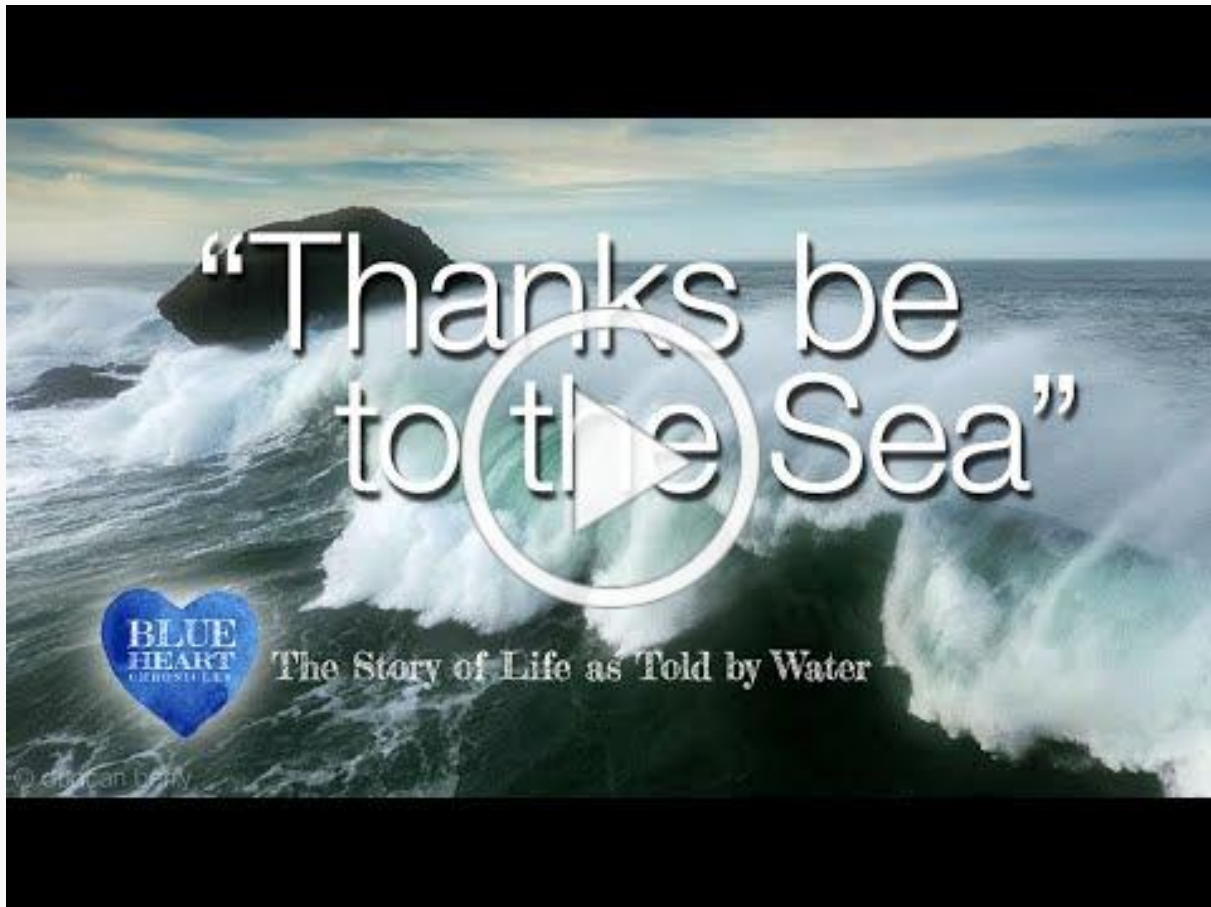
Photo: Oregon Marine Reserves

Cape Perpetua Management Plan, 7.30.20

The [Cape Perpetua Management Plan](#) is now available. The Plan outlines the state's marine reserve mandates and describes the management, outreach, and engagement strategies that have been developed for the Cape Perpetua Marine Reserve. These strategies were developed with help and input from local community members and other interested Oregonians. You can use site management plans, developed for each of Oregon's reserves, to:

- Understand the state's mandates guiding implementation of Oregon's marine reserves and the ODFW Marine Reserves Program.
- See the state's and the communities' priorities for management of the site.
- See the management strategies ODFW is committed to carrying out for the site in support of scientific monitoring, keeping the public informed, engaging communities, compliance, and enforcement.
- Understand the local communities'

Interactive Resources



Video: [Blue Heart Chronicles - "Thanks be to the Sea"](#)

We want to welcome you to our very first episode of The Blue Heart Chronicles "Thanks be to the Sea.". In thinking about how to kick off this series on the Story of Life as Told By Water, we realized there was really only one place to begin...where we as a species began...the oceans. So as we celebrate Independence Day in America, we offer this "Declaration of Inter-Dependence"... Discover how ALL of us rely on this 70% of the planets surface, with every breath we take, every thought we think and with every beat of our heart.

[Oregon Coast Aquarium #OCEANSCAPE2020](#)

The Oregon Coast Aquarium's Oceanscape Network is an educational program for youth designed to inspire curiosity in science, nature, conservation and outdoor exploration while providing valuable classroom resources for educators.

PODCAST: [Ancient Evidence Protecting Living Heritage: The Kelp Ecosystem of the PNW Part 9](#)

Professor and Curator Dr. Madonna Moss is an anthropological archaeologist who studies the long term history of Native Americans and First Nations of the Northwest Coast of North America, with a special focus on Tlingit and Haida and their ancestors. Join us for a fascinating discussion about how zooarcheology can help defend indigenous cultural practices in the modern world.

VIDEO: [SLOW FISH CREW TOGETHER](#)

A Webinar Series

The Covid-19 pandemic has tested the resilience, resolve, and recovery potential of fishing communities and seafood eaters both domestically and abroad. Resilience hinges

on adaptability to a situation that changes every day and shifts the parameters, even as folks are finding new ways of selling and eating seafood. Join us for 'Slow Fish Crew Together,' a webinar series discussing where the fishing community is at during this time and how we can move forward together.

Training: [Seven Best Practices for Risk Communication](#)

Whether beginning a new effort or trying to keep people motivated to better prepare for future hazards, applying risk communication principles will lead to more effective results. This self-guided module introduces seven best practices, numerous techniques, and examples to help you improve your communication efforts. Knowledge checks and a final quiz are included to help you retain what you learn. Please note that this training focuses on improving risk communication skills for coastal hazards planning and preparedness, not crisis communication.

Coastal Conservation Trainings and Events



BEAUTIFUL CREATURES OF OREGON'S MARINE RESERVES

AN EDUCATIONAL AND ART CLASS EXPERIENCE



Oregon Chapters of Surfrider Foundation

July 29-August 26 | [Beautiful Creatures of Oregon's Marine Reserves: A Virtual Educational & Art Experience](#)

- 5:30 p.m.
- To celebrate this spirit of science and art within Oregon's ocean environment, Surfrider Foundation and [Elisabeth Jones Art Center](#) are collaborating to offer [five virtual workshops](#) where participants will learn about special ocean habitats and creatures while being guided through the creation of small art pieces at home.

CoastWatch

August 17 | [Marine Debris Survey Training](#)

- 10 a.m.
- On Monday, Aug. 17, there will be a shoreline marine debris education session, including training for prospective survey volunteers. This isn't just practice, though—the survey will be conducted. Meet at 10 a.m. at Parking Lot B, about three-quarters of a mile south of the Columbia on Jetty Rd. in Fort Stevens State Park. Whether traveling north or south on Hwy 101, turn west on Ridge Road and follow the signs within the park.

Cape Perpetua Collaborative

August 6 | [Cape Cove Beach Beach Cleanup](#)

- 9 a.m.
- Join us on the beach for a marine debris cleanup at Cape Cove Beach. This project is great for anyone who would like to give 1-2 hours of their time, contribute to science and clean up beaches touching Cape Perpetua Marine Reserve and Protected Areas.

August 18 | [WEBINAR: A Yachats Volcano? Understanding the Geology of Cape Perpetua Area](#)

- 6 p.m.
- Why is there a rugged rocky coastline from Cape Perpetua to Heceta Head? To the north of Yachats there are long stretches of sandy beaches; to the south are the sandy beaches and dunes around Florence. This talk will answer the question by taking you back into deep time. You will learn about plate tectonics, Oregon's long geologic history, and a volcano in Yachats that erupted and deposited hard, resistant basalt rock some 37 million years ago. Yachats is built on the remnants of this volcano. We will learn how the volcano was eroded and reshaped to create the rocky coastline we see today, including the Devil's Churn, Spouting Horn, and Thor's Well.

August 25 | [WEBINAR: Waves, Sand, and Beaches: The Constantly Changing Shoreline](#)

- 6 p.m.
- Each summer when David Muerdter comes to the Oregon Coast, he notices that the beach in front of where he stays has changed from the previous summer. In this talk David will discuss how and why beaches change and why waves are the main agent of those changes. Waves interact with beach sand and modify beaches daily, monthly, and over much longer periods of time. Additionally, he will discuss where the sand in this dynamic beach setting comes from and where it goes.

August 27 | [Virtual Happy Hour: Cape Perpetua Volunteer Appreciation](#)

- 5:30 p.m.
- For 2020, we will be holding this event virtually. We will use Zoom to have a "virtual happy hour" and sharing slides with metrics of volunteers in action as well as some sort of INTERACTIVE activity (still to-be-decided :)). This appreciation event is a celebration of the accomplishments of volunteer citizen science projects, docents and interpretive staff within Cape Perpetua Marine Reserve area and celebrates our successful spring/summer volunteer monitoring and tourism season.

Hatfield Marine Science Center

August 6 | [HMSC Research Seminar- Laurie Weitkamp, Research Fisheries Biologist, NOAA Northwest Fisheries Science Center](#)

- 3:30 p.m.
- **Title:** All things lamprey: biology, conservation, and brand new information on Pacific lamprey marine ecology
- **Description:** The lampreys are ancient fishes that have gotten a bad rap because of invasive sea lamprey in the Great Lakes. Here on the West Coast, all 10 species of lampreys are native and many are either declining or of unknown status. In this talk, I'll review the diverse biology of West Coast lampreys, their cultural importance to Native American Tribes, and discuss the multi-faceted conservation efforts underway to reverse declines of lamprey populations. I'll also describe the new data we're assembling on Pacific lamprey caught in marine waters, which have greatly increased our knowledge of lamprey marine ecology. With this talk, I hope to convince you that lamprey are truly amazing animals and need your help to survive another 400 million years.

Elaka Alliance

August 26 | [Webinar: The Legal and Economic Considerations of Sea Otter Reintroduction](#)

- 6 p.m.

- Species re-introductions involve complex biological, legal, and social consideration for agencies, scientists, stakeholders, and communities. However, evaluating a species associated with effects on economically valuable resources, makes assessments and input all-the-more important. Please join Elakha Board President Bob Bailey and USFWS biologist Michele Zwartjes, on August 26th at 6pm, for a webinar presentation designed to explore the legal, scientific, and social framework of sea otter reintroduction; where things stand now, and what are the next steps? Register soon!

THANK YOU



Communities and the Living Ocean

From Astoria to Gold Beach, coastal communities are connected with the ocean through history and livelihood. We have studied this connection and use the knowledge gained to help make the coast a better place to live. The CRA Coastal Program works ...

[Read more](#)
coastrange.org

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