



STATE OF THE COAST

November 9, 2019 • Gleneden Beach, Oregon

- 8:00** **Registration** *Longhouse*
- 8:30** **Welcome** *Longhouse*
Shelby Walker *Oregon Sea Grant*
Marion Rossi *OSU College of Liberal Arts*
Kaety Jacobson *Lincoln County Commissioner*
- 8:45** **Keynote: Bonnie Henderson** *Longhouse*
'Oregon Coast: yesterday, today, and tomorrow'
- 9:30** **BREAK & Book Selling / Signing** *Longhouse Lobby*
- 10:00** **Coastal Snapshots** *Longhouse*
Updates on issues, challenges, or opportunities related to coastal Oregon
- 1. Managing Oregon's Coastal Rocky Habitat** *Deanna Caracciolo, DLCD*
 - 2. Another Warmer Blob?** *Laurie Weitkamp, NOAA*
 - 3. Making Oregon Oregon: Some Living Legacies of Gov. Tom McCall** *Marion Rossi, OSU*
 - 4. Underwater in Oregon's Marine Reserves** *Cristen Don, ODFW*
 - 5. What's Up with Sea Star Wasting?** *Sarah Gravem, OSU*
 - 6. Insights into New Threats Facing Large Whales Along the US West Coast**
John Calambokidis, Cascadia Research
 - 7. West Coast groundfish: The best comeback story since Rocky**
Jana Hennig, Positively Groundfish
- 11:30** **Student Research and Art Exhibits** *Longhouse*
- 12:30** **Lunch** *Longhouse*
- 1:30** **Breakout Session #1**
- 1. Drawing on Nature: Connecting People and Wildlife Through Art** *Lincoln / Pine*
 - 2. Positive Changes in Fisheries Management** *Sitka*
 - 3. Envisioning Coastal Livability** *Longhouse*
 - 4. Pollution and Plastics and Policies, Oh My!** *Gallery*
- 2:30** **BREAK**
- 2:45** **Breakout Session #2**
- 1. The Whole Whale** *Lincoln / Pine*
 - 2. Stream Habitat and Salmonids in the Mid Coast** *Sitka*
 - 3. Designing a Local Seafood System from Scratch** *Longhouse*
 - 4. Complex and Connected: Holistic Approaches to Management in the Nearshore** *Gallery*
- 4:00** **Awards Reception** *Longhouse*

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1:30

Breakout Session #1 Descriptions

1. Drawing on Nature: Connecting People and Wildlife Through Art

Lincoln / Pine

Ram Papish Wildlife Illustrator

Explore coastal education and conservation through paintings, illustrations, and sculptures by local artist Ram Papish. Learn about the process of creating these works and see how they help provide insights to coastal nature that are difficult to express in photographs or written word.

2. Positive Changes in Fisheries Management

Sitka

Christian Heath ODFW

Scott Groth ODFW

Jana Hennig Positively Groundfish

Fishing gear and management may look static, but they are often highly inventive and iterative. Come to this session to hear examples from both recreational (long-leader) and commercial (pink shrimp and groundfish) fisheries on creative solutions that have had positive outcomes.

3. Envisioning Coastal Livability

Longhouse

Charlie Plybon Surfrider

Tiffany Mitchell State Representative District 32

Kaety Jacobson Lincoln County Commissioner

Ryan Parker Newport City Council

Jim Tooke Yachats City Council

If you live and work at the coast, you've probably been in conversations where topics like housing affordability and availability, transient lodging, elderly and child care, and water quality/pollution have come into the discussion. In this session, coastal leaders from diverse levels will discuss these topics with you and each other. Come engage in being part of finding solutions to challenges facing the coastal communities we love.

4. Pollution and Plastics and Policies, Oh My!

Gallery

Susanne Brander OSU Env. Toxicology

Aimee Thompson Thompson's Sanitary Service

Briana Goodwin Surfrider

If you've not heard about plastic pollution in the marine environment, you've been on another planet. We all want to learn about what we can do on a personal level. Come get informed and engage in a dialogue with people who are working hard to understand the science, practice, and policy regarding this critically-important topic.

2:45

Breakout Session #2 Descriptions

1. The Whole Whale

Lincoln / Pine

Amanda Gladics Oregon Sea Grant

John Corbin Oregon crab fisherman

John Calambokidis Cascadia Research

Lisa Ballance OSU Marine Mammal Institute

There is so much going on with whales off the West Coast! Get caught-up on the latest science in whale research, current mortality events, and fishing perspectives on the impacts of increasing entanglements.

2. Stream Habitat and Salmonids in the Mid Coast

Sitka

Mark Stone and **Kelsey Miller**

Lincoln Soil and Water Conservation District

Join staff from Lincoln Soil and Water Conservation District as they take participants on a 23 year journey of habitat monitoring and recovery, using beautiful images from some of the special places this work has taken them. Experience the mid-coast in a whole new way and learn how habits have changed as a result of restoration.

3. Designing a Local Seafood System from Scratch

Longhouse

Laura Anderson Local Ocean Seafoods

Imagine that for several weeks, food couldn't be shipped into or out of your coastal town. The good news is that with thoughtful planning and working together, the hardworking people of the coast could provide each other with the healthy, local food assets that exists there. In this session you will work in small groups to design a hyper-local seafood supply chain to feed your coastal community. Come engage in this fun and active session.

4. Complex and Connected: Holistic Approaches to Management in the Nearshore

Gallery

Steve Rumrill ODFW

Sarah Gravem OSU Marine Ecologist

Dom Kone OSU Marine Resource Management

Deanna Caracciolo DLCD

Taking a holistic management approach to Oregon's rocky intertidal habitat, and the species that are or could be there, requires recognizing the complexity and connectedness of human and non-human species over geographic and temporal scale. Come join a lively discussion this dynamic, changing system.

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2019 Student Research & Art Presenters

Student Artists

- A. **Abdullah Albohalika** OSU
 - B. **Tori Allen** OSU
 - C. **Kenneth Koga** OSU
 - D. **Lena Lentini** OSU
 - E. **Garland Nichols** OSU
 - F. **Abi Pittman** OSU
 - G. **Lacey Prosocki** OSU
 - H. **Ali Trueworthy** OSU
 - I. **Aimee Williams** OSU
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Student Researchers

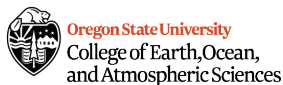
- 1: Britta Baechler** PSU *Microplastic Concentrations in Two Oregon Bivalve Species: Spatial, Temporal, and Species Variability*
- 2: Anna Bolm** OSU *Microplastic contaminants in pelagic zone zooplankton and seawater of the Northern California Current*
- 3: Hailey Bond** OSU *Observations of Water Content and Fluid Pressure within the Interior of an Eroding Beach Dune*
- 4: Marco Corrales-Ugalde** OSU..... *Are small hydromedusan jellyfish "stealing" from larval fishes in the Northern California Current?*
- 5: Beau Courteau** OSU..... *Hormone mimics found in tidepools near Port Orford, Oregon*
- 6: Amy Ehrhart** PSU *Addressing coastal pharmaceutical pollution with drug take-back boxes in Oregon: customer behavior and pharmacist recommendations regarding leftover drug disposal*
- 7: Haley Evans** OSU Cascades.....*Preliminary Research in Plastic Contamination of Vertebrates and Invertebrates*
- 8: John Fitzgerald** OSU Cascades.....*Detection of Endocrine Disruption in Three-Spined Stickleback*
- 9: Henry Fleener** OSU..... *Evaluation Of Complex Particle Feeding By Sablefish *Anoplopoma Fimbria* and Steelhead Trout *Oncorhynchus Mykiss*.*
- 10: Lisa Hildebrand** OSU..... *Investigating potential gray whale individual foraging specializations within the Pacific Coast Feeding Group*
- 11: Dorothy Horn** UO..... *The Presence of Microplastics in Dungeness Crab (*Cancer magister*) digestion*
- 12: Rebecca Howard** OSU *Four decades of change in the Oregon nearshore flatfish fishery through the eyes of science and industry*
- 13: Maria Johnson** OSU..... *Seafood Processing Workers' Sense of Place in Coos County, Oregon*
- 14: Erin Kanzig** OSU..... *Aging Tidegates in Oregon: The Problem and Possible Solutions*
- 15: M Kelsey Lane** OSU..... *The return of the marine heatwave & the impacts on the plankton community off the Oregon coast*
- 16: Joanna Lyle** UO..... *Vertical Distribution of the Pyrosome *Pyrosoma atlanticum* off the Oregon Coast from Camera Profiles and Depth-Stratified Net Tows*
- 17: Chantelle MacAdams** OSU... *Can small predators prevent a mussel takeover after Sea Star Wasting Syndrome?*
- 18: Steven Manos** PCC *Juvenile Dungeness crab try to avoid low pH seawater, but when forced into such unfavorable conditions, they may take longer to find their prey.*
- 19: Hannah Nolan** OSU..... *Culturally Responsive Data Literacy Curriculum in an Afterschool Program for Latino Youth*

Student Researchers

- 20: Keala Pelekai OSU** *Evaluation of Pacific Lamprey statoliths and eye lenses as records of age, natal origin, and trophic history patterns*
- 21: Stephanie Porter OSU** *Development of a diagnostic tool for Vibriosis*
- 22: Victoria Quenessen OSU**.... *Accounting for population dynamics improves the use of no-take marine reserves for fishery management*
- 23: Vanessa Robertson-Rojas OSU**.... *Do Fungal Symbionts of Salt Marsh Plants Impact Plant Competition?*
- 24: Kaegan Scully-Engelmeyer PSU** *Understanding Oregonians' Coastal Values and Priorities Through Participatory GIS Mapping*
- 25: Andrew Teahan OSU**..... *Anomalous warm ocean conditions impact the depth and distribution of Chinook Salmon (*Oncorhynchus tshawytscha*) off the Oregon Coast*
- 26: Anna Ward UO-OIMB** *Resolving pyrosome prey consumption through gut content analysis*
- 27: Victoria Williams OSU** *An Analysis of Oceanographic, Social, and Ecological Vulnerabilities Associated with Ocean Acidification on the West Coast*
- 28: Reyn Yoshioka UO-OIMB**....*Taking Inventory of our Invertebrates: Oregon Institute of Marine Biology's BioBlitz*

Many thanks to the 2019 Advisory Committee:

Kerry Carlin-Morgan Oregon Coast Aquarium
Nancy Fitzpatrick Oregon Albacore & Salmon Commissions
Elise Granek Portland State University
Peter Hatch Confederated Tribes of the Siletz Indians
Scott Heppell Oregon State University
Maria Johnson Oregon State University
Bob Kemp Fisherman
Kelly Lawrence Oregon Department of Fish & Wildlife
Tawnya Peterson Oregon Health and Sciences University
Charlie Plybon Surfrider Foundation
Charles Robinson Oregon State University
Steve Rumrill Oregon Department of Fish and Wildlife
Maya Watts University of Oregon / Oregon Institute of Marine Biology



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Brought to you by Oregon Sea Grant, STATE OF THE COAST is a coastal conference where everybody from scientists to industries to citizens can learn, network, and engage in the current and future state of Oregon's marine environment.