



CONFLUENCE
#NAMEPDX18

NORTHWEST AQUATIC AND MARINE EDUCATORS

2018 NAME CONFERENCE PROGRAM

JULY 29TH - AUGUST 2ND • PORTLAND STATE UNIVERSITY

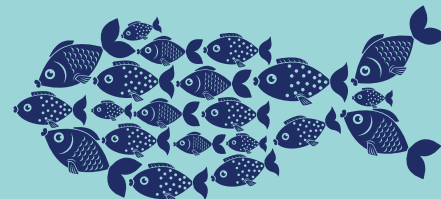
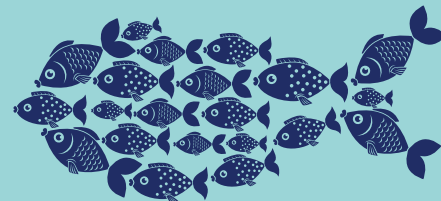


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CONFERENCE PLANNING COMMITTEE

The following people put in countless hours to coordinate everything that made this conference a success: speakers, field trips, presentations, lodging, food, the auction, registration, and all the other details that often go unnoticed.

FAWN CUSTER, ROB COATS, BILL HANSHUMAKER, JENNY EAST, TOM GASKILL, PAT WILLIS, JENNIFER MAGNUSSON, AMY SPRENGER, MELISSA KEYSER

ABOUT NAME

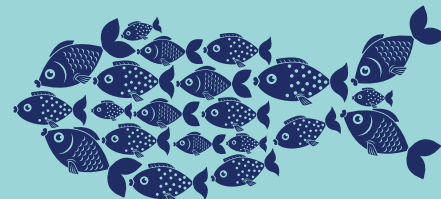
NAME was founded in 1976 and became a chapter of the National Marine Educators Association in 1980. In the early 1990s NAME expanded its mission and membership, recognizing that marine and aquatic ecosystems, environments, and issues are linked together, and that educators working in both environments share common beliefs and strategies. NAME includes members from Alaska, British Columbia, Washington, and Oregon. Annual NAME conferences rotate through these states and province. In addition, each state or province offers local professional development opportunities for formal and non-formal educators throughout the year. NAME is a 501(c)(3) nonprofit organization.

NAME is a “family” of educators who believe:

- Every human on earth should be water-literate
- Using the allure of water enriches and facilitates learning
- Sharing our knowledge and experience with others creates a community of informed stewards
- NAME has an innovative and energetic Board of Directors guided by dedicated members from Alaska, British Columbia, Washington and Oregon to fulfill our mission and goals.

NAME's Goals:

- Encourage professional growth by offering quality workshops, conferences, field experiences, and in-service opportunities in the Pacific Northwest
- Share information and education materials focused on marine and aquatic environments and issues
- Support a growing network of NAME educators who reflect the diverse communities of the Pacific Northwest



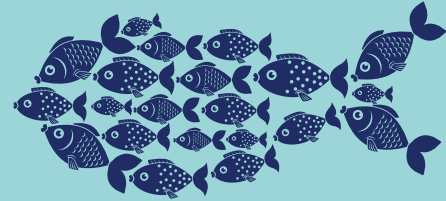
NAME LEADERSHIP

We would like to extend a heartfelt thanks to the 2016-2017 NAME Board of Directors! Each member of the board is instrumental in ensuring that our organization runs smoothly and is able to offer all the exciting opportunities we can to our members. Thank you all for your time!

If you would like to join this team of passionate educators, we welcome you to attend any of our board meetings to see what it's all about. We have two in-person meetings (winter/summer) and two conference calls annually.

Board of Directors & Committee Chairs:

Jennifer Howell, President, AK
Bill Hanshumaker, NMEA Representative, OR
Alan Rammer, Awards Chair, WA
Kay Shoemaker, Alaska Director
Fawn Custer, Mini-grants/Scholarships Chair, OR
Sile Kafrissen, British Columbia Co-Director
Cathy Carolsfeld, British Columbia Co-Director
Melissa Keyser, Oregon Director
Amy Sprenger, Washington Co-Director
Maile Sullivan, Washington Co-Director
Orlay Johnson, Communications Co-chair, WA
Casey Ralston, Past-president, WA
Jenna Kulluson, Flashmail Manager, OR
Amy Cole, Secretary, WA
Jennifer Magnusson, Webmaster, BC
Rob Coats, Treasurer, OR
Peggy Foreman, Membership Chair, WA



NAME CONFERENCE TRADITIONS

With forty conferences under our collective belt, we can't help but have a few traditions. If you are a first-time NAME member or conference attendee (and even if you aren't),

NAME Board Meeting:

This is a gathering of NAME's leaders (at least, the elected and appointed ones). All NAME members are invited to witness leadership in action, come meet the core members of NAME, bring your suggestions, new ideas and complaints.

SeaFaire:

Consider it an idea and innovation garage sale, free of charge. Browse brochures, flyers, curriculum, and lots of free giveaways. While we won't be holding an official SeaFaire this year, we will have some tables set up during the auction for people to set out info and freebies. Conference attendees and local organizations are welcome to reserve a table and show off during this event.

Annual NAME Auction:

Always a conference highlight, the auction raises funds for NAME's mini-grant and scholarship programs. Be ready to bid on unique aquatic-themed items donated by NAME members and local businesses in our live and silent auction. If you have some items to add to this auction, bring them along and deliver them to the registration table at check-in!

Chapter Meetings:

These meetings give members of each province and state a chance to meet together and plan the upcoming year. Find out what great stuff is happening in your own backyard.

NAME General Business Meeting:

U.S. non-profit law requires a general membership meeting once each year, and this is it. Don't miss this opportunity to learn about the latest NAME innovations, programs, and plans for the future. Be involved.

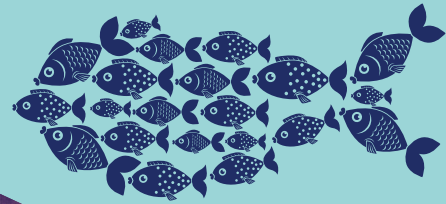
NAME Awards Banquet:

Don't miss a great evening capped off with our annual fund-raising auction, food, friends, and fun!

CONFERENCE PROGRAM

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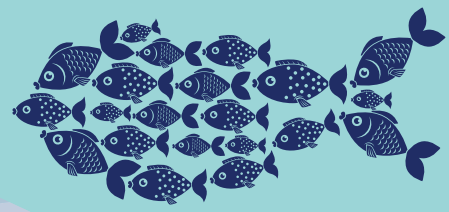
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PORTLAND, OREGON

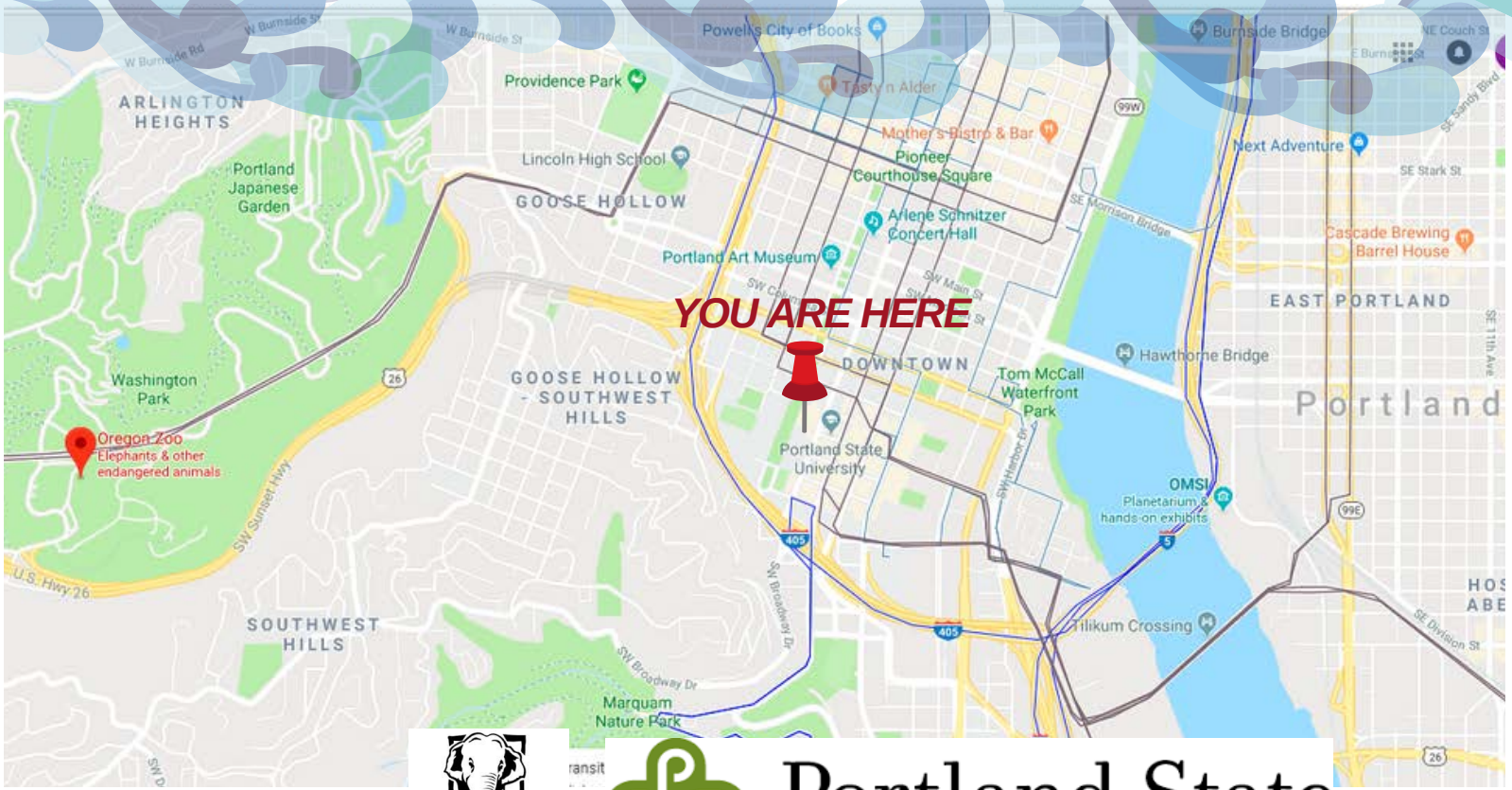
Portland is the largest city in the U.S. State of Oregon. It is a major port in the Willamette Valley region of the Pacific Northwest, at the confluence of the Willamette and Columbia rivers. The city covers 145 square miles (380 square kilometers) and had an estimated population of 647,805 in 2017 making it the 26th most populous city in the United States, and the second-most populous in the Pacific Northwest. Approximately 2,424,955 people live in the Portland metropolitan statistical area. Roughly 60% of Oregon's population resides within the Portland metropolitan area.

The Portland settlement began to be populated in the 1830's near the end of the Oregon Trail. Its water access provided convenient transportation of goods, and the timber industry was a major force in the city's early economy. At the turn of the 20th century, the city had a reputation as one of the most dangerous port cities in the world, a hub for organized crime and racketeering. After the city's economy experienced an industrial boom during World War II, its hard-edged reputation began to dissipate. Beginning in the 1960's, Portland became noted for its growing progressive political values, earning it a reputation as a bastion of counterculture. Portland is frequently recognized as one of the world's most environmentally conscious cities because of its high walkability, large community of bicyclists, farm-to-table dining, expansive network of public transportation options, and over 10,000 acres (4,000 hectares) of public parks. Its climate is marked by warm, dry summers and cool, rainy winters. This climate is ideal for growing roses, and Portland has been called the "City of Roses" for over a century.



PSU & THE OREGON ZOO

For Portland transportation maps, routes and schedules: <https://trimet.org/schedules/>
Download the Portland travel App: <https://trimet.org/tools/transittracker.htm>



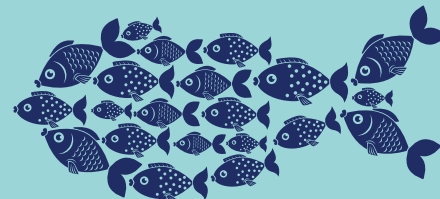
Portland State
UNIVERSITY



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GENERAL CONFERENCE INFORMATION

NAME Registration/Information Desk:

Registration and check-in will begin at 4:00 pm on Sunday, July 29th, at the Oregon Zoo. Registration will be available at the daily venue each morning and throughout the day as needed. Please contact registration@pacname.org if you have any questions.

Presenters:

Please check in at the registration table and double check the media set up prior to speaking. Don't hesitate to ask for support if you need it.

NAME tags:

Wear 'em! They are your tickets to events, food, and other cool stuff. Besides, it helps you hide the fact that you can't quite remember that person you met last year, and helps the people you meet for the first time this year remember you next year.

Meals:

All meals will be provided throughout the Conference. Enjoy, alternatively, one of the many Portland dining options for your lunch/dinner during the Conference. There are lots of yummy options!

Guest Meal Tickets:

If you have purchased additional tickets for your guest/s for the BBQ or banquet, you will receive tickets for your guest at registration when you check-in. Please use these for entrance to these events.

Field Trips:

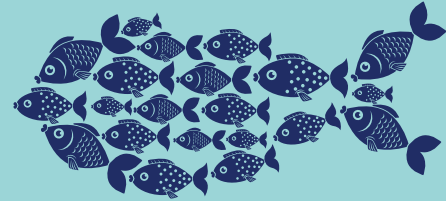
If you have signed up for a field trip, please confirm your attendance when you check in at the registration table and check for departure time and carpool or bus information. If you haven't signed up yet, we encourage you to check to see if there are any openings left...we'd love to have you join us for an experience that will highlight the rich environment of Portland and the Oregon Coast!

Beverage Cup/Water Bottle:

We are dedicated to the Green Conference philosophy. In order to reduce waste, we encourage you to bring your own beverage cup and/or water bottle for coffee breaks. Please, don't forget to carry your own cup with you!

Event Waiver Form:

Just in case you snuck by us, make sure you have a signed Event Waiver Form turned into Registration. These forms are protection for NAME and you!



2018 NAME CONFERENCE STRANDS

Science

Topics elaborating the most up-to-date scientific knowledge/discoveries giving educators the background and tools needed to fulfill STEM and NGSS. Do you have a cool or new science lesson, restoration project, citizen science program, or community learning project to share? What stories of climate change are you telling? How do you engage your participants in long-term change narratives during brief interpretive moments? What are the key messages for your class or site related to tracking local change? We are looking for teachers, informal educators, researchers or marine science loving citizens who want to share an innovative new idea or project they have been working on.

Culture

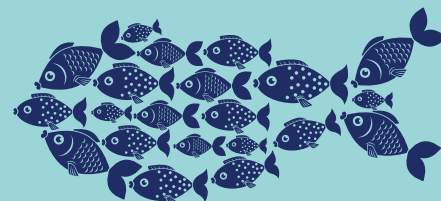
This includes topics with a keen focus on the traditional, indigenous knowledge, and/or the role of art in environmental education, STEAM, (includes artistic innovation). How do we and our participants come to know, understand, and appreciate our natural resources? Ways of knowing can be cultural, personally unique, or discovered. Have you found new gateways to knowledge and understanding – perhaps through inspirational vectors such as art, music, language, sensory experiences, or emotion? Share what you've learned about the diverse ways that people engage with our natural surroundings and how you've incorporated these ways of knowing into your presentations and curricula. Do all cultures have their own science? What tools have you used to incorporate Indigenous science and other cultural concepts into your curricula? How can this place-based approach to environmental education translate into global stewardship?

Education

Topics with a focus on prepared materials for educators fulfilling the Next Generation Science Standards (NGSS) and Science, Technology, Engineering, and Math (STEM) opportunities. How do we prepare participants to steward ever-changing ecosystems? In your experience, is it true that knowledge guides us to love — and love, in turn, inspires us to action? How have your students or the members of your organization taken action to preserve and protect your local waters? What tools did you use to inspire these actions? And how did you measure the impact of these actions on both the natural world and the participants? Are you incorporating the latest breaking research into your teaching or bringing specialists into your classroom?

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CONFERENCE AT A GLANCE

PRE-CONFERENCE WORKSHOPS:

FRIDAY, JULY 27TH

9:30 to 3:30 pm: Using ArcGIS Online to Collect, Analyze, and Share Data
Water Resources Center, Vancouver, WA

SATURDAY, JULY 28TH

9:30 to 3:30 pm: Engaging Students with Crayfish and Water Quality Monitoring
Water Resources Center, Vancouver, WA

SUNDAY, JULY 29TH

9:00 – 4:00 pm: NAME Board meeting @ PSU

4:00 – 6:00 pm: Conference check-in & Zoo visit @ Zoo Education Center

6:00 – 9:00 pm: Opening reception & dinner at the Oregon Zoo

MONDAY, JULY 30TH

8:00 – 10:00 am: Breakfast & Check-in

10:00 – 11:00 am: Keynote Speaker: George Waldbusser (SRTC101)

11:10 am – 12:00 pm: Session A

12:00 – 1:00 pm: Lunch

1:00 pm – 2:20 pm: Session B

2:25 – 3:10 pm: Session C

3:15 – 4:00 pm: Session D

4:00 – 4:50 pm: Closing Speaker: Zach Penny (SRTC155)

5:30 pm Dinner: @ Victor's

TUESDAY, JULY 31ST

8:00 – 9:00 am: Breakfast

9:00 am – 5:00 pm: Freshwater Field Trips (pre-registration required) *Box lunch

6:00 – 8:00 pm: Chapter meetings @ dinner

WEDNESDAY, AUGUST 1ST

7:00 – 8:00 am: Breakfast

8:00 – 5:00 pm: Coastal Field Trips (pre-registration required) *Lunch included in conference registration

6:00 – 9:00 pm: NAME Awards Banquet and Auction

6:00 – 9:00 pm: Dinner, Awards, General Membership Meeting, & Auction (Followed by Music & Dancing in Cannon Beach)

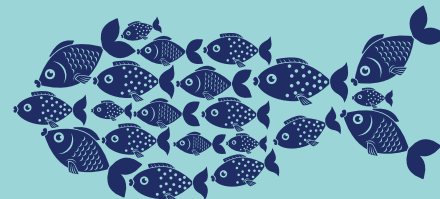
THURSDAY, AUGUST 2ND

8:00 – 10:00 am: Breakfast

10:00 – 10:45 am: Keynote Speaker: Debbie Duffield (SRTC101)

11:00 am – 12:00 pm: Session E

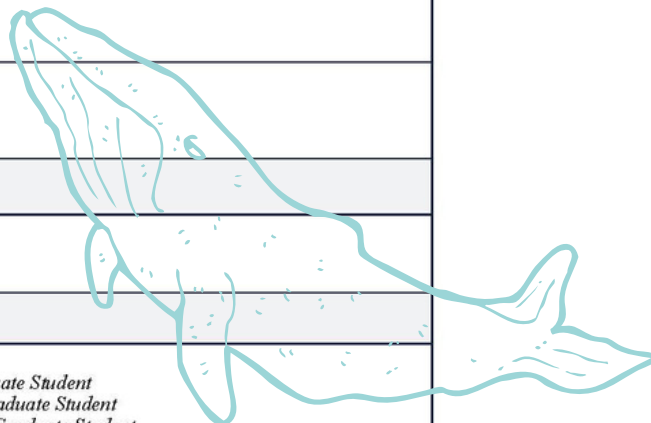
12:00 – 1:00 pm: Lunch & Wrap-up



CONCURRENT SESSIONS

Education: EDU -- Science: SCI -- Culture: CUL

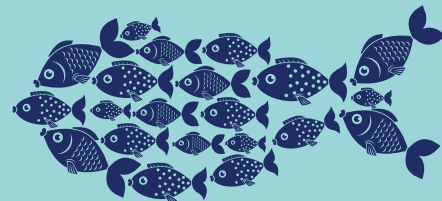
Monday•11:10am-12:00pm•Concurrent Session A	
EDU SRTC 219	1. MWEE's By the Sea Cait Goodwin, <i>Oregon Sea Grant, Special Projects Coordinator</i> Tracy Crews, <i>Oregon Sea Grant, Marine Education Manager</i>
SCI SRTC 257	2. Citizen Science Efforts to Address Sea Turtle Decline in Baja, Mexico Vanessa Hunt, <i>Central Washington University, Professor Science Education</i>
SCI/EDU Science 1-403	3. Big Studies with Small Scientists: Citizen Science Strategies for School-Age Students Kristina Tirman, <i>Sitka Sound Science Center, Education Coordinator</i>
Monday•1:00pm-2:20pm•Concurrent Session B	
EDU SRTC 219	1. Look What People are Doing! Amber Horn, <i>Sauvie Island School, Upper Grades Science Teacher</i>
SCI/CUL SRTC 257	2. Talking Trash Pooka Rice, <i>Haystack Rock Awareness Program, Outreach Coordinator</i>
SCI Science 1-403	3. The River Mile Crayfish Study Janice Elvidge, <i>NPS Lake Roosevelt/ The River Mile, Education Specialist/ Executive Director</i> Debra Berg, <i>Columbia School district 206, Teacher</i> Rick Reynolds, <i>Engaging Every Student, Founder/ Principal</i>
Monday•2:25pm-3:45pm•Concurrent Session C	
EDU SRTC 219	1. The People Connection: Activities on Population and Marine Ecosystems Jo Cooper, <i>Neahkahnie School District, Retired Science Teacher</i>
EDU SRTC 257	2. Scrimshaw in the Classroom Rob Coats, <i>NAME, Treasurer, (TOTP) Teacher out to Pasture</i>
SCI Science 1-403	3. Exploring Axial Renee O'Neill, <i>SMILE Program OSU, Senior Program Coordinator</i> Adam Talamantes, <i>SMILE Program OSU, Program Coordinator</i>
Monday•3:15pm-4:00pm•Concurrent Session D	
SCI/EDU Science 1-403	1. Science Theater – Ocean Acidification Takes the Stage Mary Middleton, <i>Pacific Shellfish Institute, Research Biologist</i>
Thursday•11:00am-12:00pm•Concurrent Session E	
SCI/EDU SRTC 219	1. Students Helping Teachers Helping Students Ian Black, <i>Oregon State University – Marine Resource Management, Graduate Student</i> Katy Nalven, <i>Oregon State University – Marine Resource Management, Graduate Student</i> Brian Erickson, <i>Oregon State University – Marine Resource Management, Graduate Student</i>
SCI/EDU SRTC 257	2. Underwater in the Pacific Northwest Paul North, <i>Meet the Ocean, Nonprofit Director and Podcast Host</i>
CUL Science 1-403	3. Art From Place Graham Klag, <i>Everett State University, Artist</i>



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CONFERENCE DETAILS

Please remember to come prepared with personal water bottles, coffee cups, proper clothing/ footwear for field experiences

SUNDAY, JULY 29TH

9:00 – 4:00 pm:

NAME Board meeting @ PSU (Board meetings are open to any NAME member who would like to sit in and hear what's happening in the organization at the grass-roots level!)

4:00 – 6:00 pm:

Conference check-in & Zoo visit @ Zoo Education Center

Please bring in your Auction Item to drop it off here, field trip check-in, Volunteer sign-up

6:00 – 9:00 pm:

Opening reception & dinner at the Oregon Zoo

MONDAY, JULY 30TH

8:00 – 10:00 am:

Breakfast & Check-in

Please bring in your Auction Item to drop it off here, Field trip check-in, Volunteer sign-up

10:00 – 11:00 am:

Keynote Speaker: Dr. George Waldbusser (SRTC₁₀₁)

"Carbon dioxide, pH, and saturation state, Oh my! Finding the courage to educate others about marine carbonate chemistry"

Ocean acidification has been a touchstone for action on climate change in the Pacific Northwest, due to the documented impacts on the oyster industry. Many stakeholders, scientists, and students however have intrinsic fear and anxiety surrounding marine carbonate chemistry. Dr. Waldbusser will draw from his experience engaging the shellfish industry, elected officials, and students, to explore challenges and techniques for overcoming marine chemistry anxiety inside and out of the classroom.

11:10 am – 12:00 pm:

Concurrent Session A

"MWEE's By the Sea"

Cait Goodwin, Oregon Sea Grant, Special Projects Coordinator

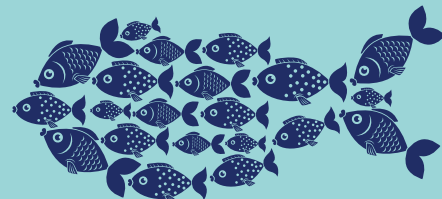
Tracy Crews, Oregon Sea Grant, Marine Education Manager

Last winter, Oregon Sea Grant used funding from NOAA B-WET to hold five (5) teacher trainings throughout the Oregon Coast STEM Hub region focused on Meaningful Watershed Educational Experiences (MWEEs). In these "MWEEs by the Sea" workshops, formal and informal educators engaged in hands on field experiences related to marine debris, water quality monitoring, habitat restoration, climate change, and student stewardship actions. Come find out what happened when the students of these teachers headed outside in the spring! This session will share some of the resources used, student projects, lessons learned, and plans for future workshops.

"Citizen Science Efforts to Address Sea Turtle Decline in Baja, Mexico"

Vanessa Hunt, Central Washington University, Professor Science Education

This presentation outlines the ongoing conservation issues of sea turtles in Baja California Sur, and describes some NGO driven and grassroots citizen science efforts to address the decline of these species. I will discuss their successes and ongoing areas of difficulty.



CONFERENCE DETAILS CONTINUED...

Concurrent Session A Continued...

"Big Studies with Small Scientists: Citizen Science Strategies for School-Age Students"

Kristina Tirman, Sitka Sound Science Center, Education Coordinator

The Sitka Sound Science Center will be sharing the philosophy and strategies behind the unique "Scientists in the Schools" program, where teachers, scientists, and SSSC educators work together to bring hands-on science lessons into the classroom. The presentation will feature one of our units, "Top of the Rock/Bottom of the Rock", where 1st graders become citizen scientists while conducting population surveys in the intertidal zone. Strategies used in this ecological study can be adapted to fit a variety of different ecosystems and age ranges. A detailed learning plan will be provided.

12:00 – 1:00 pm:

Lunch

1:00 pm – 2:20 pm:

Concurrent Session B

"Look What People are Doing!"

Amber Horn, Sauvie Island School, Upper Grades Science Teacher

With the environmental issue currently happening all over our planet, I feel it is easy for students to feel overwhelmed and therefore apathetic at the thought of making a difference. For years students have been sharing examples of how people are making a difference worldwide and I share these examples with my students. I would like to share them with other educators as well. Most of these focus on the ocean, but some are found elsewhere.

"Talking Trash"

Pooka Rice, Haystack Rock Awareness Program, Outreach Coordinator

Gain insight into the impacts of plastics in our environment and daily life. See new opportunities for field trips that mix environmental stewardship with art! Shift your view of what is trash versus what is usable art or project material. Learn what materials you may inadvertently be discarding in your trash or recycling bin. Find new uses for debris in your classroom. Learn how these small changes can make a huge difference on our beaches. Inspiration is contagious... help us make an impact through the power of aggregation.

"The River Mile Crayfish Study"

Janice Elvidge, NPS Lake Roosevelt/ The River Mile, Education Specialist/ Executive Director

Debra Berg, Columbia School district 206, Teacher

Rick Reynolds, Engaging Every Student, Founder/ Principal

The River Mile Network's (TRM) Crayfish Study is a citizen science project collecting data on species distribution throughout the Columbia River Watershed. The project is supervised by Dr. Eric Larson, assistant professor in the Department of Natural Resources and Environmental Sciences at the University of Illinois. He works primarily on freshwater species, communities, and ecosystems, with an emphasis on crayfish in the western United States. Participants will explore aspects of the Crayfish Study and how to participate. Participants will also get a pre-view of our Crayfish Curriculum-based educators' guide which is in development.

2:25 – 3:10 pm:

Concurrent Session C

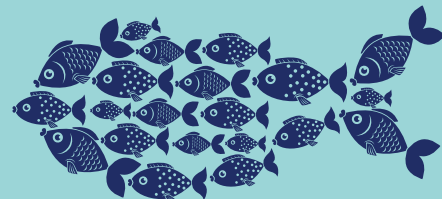
"The People Connection: Activities on Population and Marine Ecosystems"

Jo Cooper, Neahkahnie School District, Retired Science Teacher

Discover innovative, hands-on activities to address the human impacts on marine life from our growing population and consumption trends, including overfishing, pollution and acidification. Explore the history of people and the ocean and prospects for a sustainable balance. Receive electronic teaching activities, background readings and more, all matched to NGSS.

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CONFERENCE DETAILS CONTINUED...

Concurrent Session C Continued...

"Scrimshaw in the Classroom"

Rob Coats, NAME, Treasurer, (TOTP) Teacher out to Pasture

Learn how to etch scrimshaw design on lacquered, plaster medallions. In an hour or two, you can lead whole classes through this process and produce attractive pendants for all. Catch a brief history of scrimshaw, and hum along with some really crusty sea shanties. Wear your fetching scrimshaw pendant to the NAME Banquet on Wednesday and just see how many people comment on it and ask you to dance. No ivory is used in process, no bunnies harmed.

"Exploring Axial"

Renee O'Neill, SMILE Program OSU, Senior Program Coordinator

Adam Talamantes, SMILE Program OSU, Program Coordinator

Explore the Axial Seamount using a project-based learning simulation that puts students in the shoes of a team of ocean researchers using a research vessel, remotely operated vehicle, and real world data to investigate seismic activity in at the Axial Seamount of the coast of Oregon. This project integrates real-world data, science professions, NGSS, and teamwork in a rigorous science and engineering challenge.

3:15 – 4:00 pm:

Concurrent Session D

"Science Theater – Ocean Acidification Takes the Stage"

Mary Middleton, Pacific Shellfish Institute, Research Biologist

With the expansion of the Pacific Shellfish Institute's education programming we have developed fun and interactive ways to explore complex environmental issues. What better way to understand ocean acidification than to become part of a molecule and experience firsthand the chemical reactions happening in our oceans, and how they can impact shellfish development. In this presentation, PSI staff will describe their interactive science education program, Acids, Bases, and Shell Building Races, getting kids moving and learning at the same time! Be prepared to take stage and unleash the actor within you!

4:00 – 4:50 pm:

Closing Speaker: Dr. Zachary L. Penney

"More Than Just a Tradition - How tribal treaty rights have shaped modern fisheries management in the Columbia Basin"

This presentation will provide a broad discussion on how tribal treaty rights have shaped natural resource policy, fishery management, and fisheries science in the Columbia River Basin. Personal stories, tribal perspectives, case law, and fisheries restoration efforts will be used to provide context for discussion. With respect to salmon and steelhead, listeners will be asked if they think we (both tribal and non-tribal members) are asking too much of Columbia Basin salmon. Are we looking for perfection in an imperfect system? Can salmon meet our expectations/wants given the environmental, political, and economic pressures on their habitat? Are we as a society willing to meet salmon's expectations?

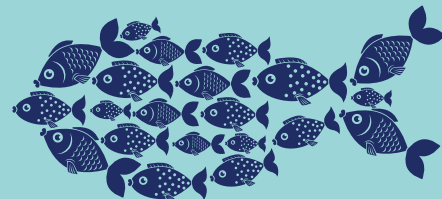
5:30 pm:

Dinner: @ Victor's

TUESDAY, JULY 31ST

8:00 – 9:00 am:

Breakfast



CONFERENCE DETAILS CONTINUED...

Tuesday, July 31st Continued...

9:00 am – 5:00 pm:

Freshwater Field Trips (pre-registration required) *Box lunch

Ridgefield Wildlife Refuge—Kayaking and Cultural Tour

\$64/person

Vans depart from PSU; 8:30 am – 4:00 pm

In the morning, we will take a guided kayak tour with wildlife viewing on Lake River in Ridgefield, Washington. In the afternoon, we will visit the Cathlapotle Plankhouse on Ridgefield National Wildlife Refuge and participate in unique opportunities for cultural and environmental education in the Columbia River Floodplain that are not matched anywhere in the region. Learn how these programs have been recently revitalized to better align with current standards and stay true to the indigenous legacy of land management along the Lower Columbia River. Limit 22 participants.

Tour of the Bull Run Watershed

\$20/person

Bus departs from PSU; 9:00 am – 5:00 pm

Join interpreters from the Portland Water Bureau on a journey behind the scenes at Portland's own water supply system. It's not snow melt! Visit the pristine, gated valley that collects and naturally filters rainwater through forest soils. Tour the dam, see the vast reservoir, learn the history of water delivery to the city. Discuss the treatment of water prior to entering the big pipes, and current issues such as filtration and cryptosporidium. Learn and share your knowledge. Limit 24 participants.

Cycling the Riverfront

FREE!

Departs from PSU @ 2:30 pm

Join Oregon Zoo Educator and long-standing NAME member Tom Gaskill on a tour of our urban riverfront on Portland's own public bicycle fleet. On this relaxed pedal along the Willamette River bike paths, we will learn about innovative planning and infrastructure Portland has developed to protect water quality, encourage active transportation, and improve livability for our residents. The trip ends back in town on the East Bank at the Hair of the Dog brewpub for happy hour, and then back to PSU. Participants will receive a free day-long bike pass to use a Bike Town bike for the day of the field trip. Many thanks to BIKETOWN, Portland's bike share program, for providing the bikes for this field trip!

Tryon Creek State Park

FREE!

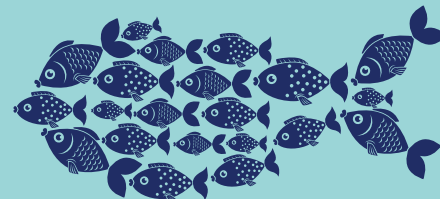
Trimet from PSU; On your own, times open

Visit this gem of an urban natural area located nearby, next to Lewis and Clark College. Explore the visitor's center, learn of the park's history and its educational programs. Take a hike on one of many looped trails, and observe the restoration efforts of the past, largely done by volunteer and school groups, from trail maintenance to exotic-invasive species removal, to the planting of natives and stream habitat improvement.

CONFERENCE PROGRAM

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CONFERENCE DETAILS CONTINUED...

Tuesday, July 31st Continued...

The Willamette River in Big Canoes w/Lower Columbia Estuary Partnership
FREE!

Trimet from PSU; 8:30 – 1:30 + eating picnic sack lunches on Ross Island during trip
Paddle the river to key local destinations in the city. Explore the history of the river and its development. See the rookeries on Ross Island, where many Great Blue Heron and a few bald eagles nest. Discuss river issues through time, problems and solutions, and current challenges. Spit in the river. For more information, including what to bring, please visit the Lower Columbia Estuary Partnership Canoe Paddles page. Limit 24 participants.

Secret Places on Sauvie Island

\$20/person

Vans depart from PSU; 9:00 am – 3:00 pm

Join Pat Willis and Amber Horn touring and discussing Place-based Education at the Sauvie Island Wildlife Refuge, the largest wildlife refuge in the Portland area. The group will travel to the far northern end of the island along the Columbia River to Ruby Lake, a 126 acre wetland restoration project connected to tide changes along the Columbia River. See how the area has changed and learn how the 7th and 8th grade students from Sauvie Island School participated. Along the way, we will also visit the Dairy Creek project, a \$6 million mile long restoration project Sauvie Island school students are currently working on. Some hiking will be needed. Limit 22 participants

Columbia River Gorge Tour

\$20/person

Van departs PSU; 9:00 am – 4:00 pm

Take the old scenic highway! See the new State Park at the CONFLUENCE of the Sandy and the Columbia. Learn the geology of the Sandy River Canyon and of river issues over time. Visit a “ghost forest” left by lahars from Mt. Hood’s previous eruptions. See spectacular views from the cliffs of Women’s Forum State Park and Crown Point, a brief history of both sites and an overview of the Ice Age Floods that authored the gorge. See several waterfalls including Multnomah Falls. Eat lunch in Cascade Locks Park and discuss the legend of the Bridge of the Gods, evidence for a massive landslide that indeed may have dammed the river there and narrowed the channel to its present state. Eat a great ice cream cone at Marie’s East Wind Drive In. Limit 22 participants.

6:00 – 8:00 pm:

Chapter meetings @ dinner

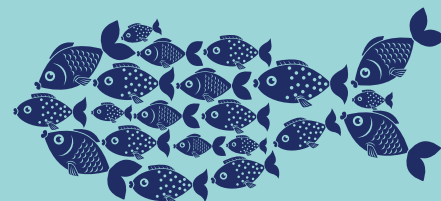
WEDNESDAY, AUGUST 1ST

7:00 – 8:00 am:

Breakfast

8:00 – 5:00 pm:

Coastal Field Trips (pre-registration required) *Lunch included in conference registration



CONFERENCE DETAILS CONTINUED...

Wednesday, August 1st Continued...

Haystack Rock and Cape Falcon Marine Reserve

Depart from PSU; 8:00 am– 4:30 pm

Leads: Chrissy Smith, Friends of Cape Falcon Marine Reserve & Melissa Keyser

During the Haystack Rock tidepool tour, participants will learn about the abundance of marine life found at Haystack Rock and the Haystack Rock Awareness Program, in its 33rd season, which focuses on positive, marine-based educational experiences through hands on learning, citizen science, art, inclusivity and stewardship. Having educated over one million visitors, HRAP Staff and Volunteers know that life on the coastal edge is rarely easy for marine animals, but unique adaptabilities have made life in this incredibly beautiful and diverse place a possibility. Learn more during this up-close journey through the rocky intertidal wonderland found at Haystack Rock. Enjoy the awe-inspiring seabirds who nest at the Rock. Furthermore, learn about ways in which you can be a better steward of this unique place and how local citizens are making positive impacts through inventive art and science initiatives.

Located in the ocean between Manzanita and Cannon Beach, Oregon, the Cape Falcon Marine Reserve site is a 20 square mile area dedicated to conservation and scientific research. Just like parks and protected natural areas on land, there are multiple benefits of protected areas in the ocean. They conserve ocean wildlife and biodiversity. Marine Reserves sites also serve as living laboratories, where we can learn about marine reserve protections and Oregon's ocean environment to help us maintain our seas for future generations. The marine reserve is managed by Oregon Department of Fish and Wildlife. The Friends Group is comprised of volunteer citizens and organizations working to increase understanding and appreciation of the marine reserve. The Friends coordinate education events and promote scientific research in the area through a number of citizen science projects.

Participants will take a fun hike out to Audubon's monitoring site at Devil's Cauldron in Oswald West State Park where they will eat a boxed lunch from PSU. Devil's Cauldron is a short (0.25 miles), easy hike open to all ages. Experience the unique story of our coastline, from natural history to ongoing land and ocean conservation activities, including the new Cape Falcon Marine Reserve and Audubon Society of Portland's efforts to monitor seabirds

If you're up for more, continue on Elk Flats Trail for a 1.5-mile moderate to difficult hike to Short Sands Beach and the rest of the day's festivities. The Elk Flats Trail, which leads hikers through a variety of forest structures, stunning old growth trees, and to vistas of the marine reserve, is steep in some sections. Hikers should prepare for slick, muddy trails and to scamper over and under sizable fallen trees. Please wear sturdy shoes, dress for coastal Oregon weather, and bring water.

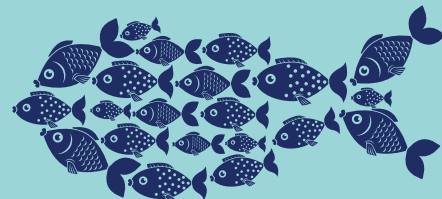
Participants have the option of an alternative shorter, easier stroll from the Short Sands Parking lot down to the beach where they will discover be lead on a "foraging" tour down to Short Sands. This tour will detail local edible plants. Other biodiversity will be detailed as participants meander the short walk down to the beach.

Haystack Rock and Wildlife Center of the North Coast

Depart from PSU; 8:00 am– 4:30 pm

Leads: Lisa Habecker & Kari Henningsgaard, Haystack Rock Awareness Program

During the Haystack Rock tidepool tour, participants will learn about the abundance of marine life found at Haystack Rock and the Haystack Rock Awareness Program, in its 33rd season, which focuses on positive, marine-based educational experiences through hands on learning, citizen science, art, inclusivity and stewardship. Having educated over one million visitors, HRAP Staff and Volunteers know that life on the coastal edge is rarely easy for marine animals, but unique adaptabilities have made life in this incredibly beautiful and diverse place a possibility. Learn more during this up-close journey through the rocky intertidal wonderland found at Haystack Rock. Enjoy the awe-inspiring seabirds who nest at the Rock. Furthermore, learn about ways in which you can be a better steward of this unique place and how local citizens are making positive impacts through inventive art and science initiatives.



CONFERENCE DETAILS CONTINUED...

Wednesday, August 1st Continued...

After an incredible tide pool tour at Haystack Rock, participants will travel up to the Necanicum estuary in Seaside, where they will break for lunch. Binoculars will be provided for participants to use to observe wildlife and spot various birds who are often seen in this diverse ecosystem. Expert local birders, will assist participants in spotting birds and will detail various wildlife found at this location.

Upon leaving the Necanicum estuary, participants will travel up to the Wildlife Center of the North Coast to explore their facilities and view many of their successfully recovered birds. The Wildlife Center of the North Coast (WCNC) is a registered 501(c)3 non-profit organization based in Astoria, Oregon. They rescue and rehabilitate injured, sick, orphaned and displaced native wildlife with the goal of releasing healthy, strong creatures back into their appropriate habitat. The WCNC is the only wildlife care hospital on the Central and North Oregon coast, serving communities from as far south as Newport, OR all the way up to the Long Beach Peninsula in Washington. The center specializes in seabird rehabilitation, but provides professional medical care for all native wild birds and mammals needing our help. They receive an average of 2,000 patients annually. A variety of seabirds, raptors, ducks, songbirds and mammals come through our doors every year, each in need of some kind of care. Whether injured, sick, starving or orphaned, the center works hard to take care of their every need, get them healthy, and released back into the wild where they belong.

6:00 – 9:00 pm:

NAME Awards Banquet and Auction

6:00 – 9:00 pm:

Dinner, Awards, General Membership Meeting, & Auction (Followed by Music & Dancing in Cannon Beach)

9:00 pm:

Leave for Portland

11:00 pm:

Arrive in Portland (Get some rest!)

THURSDAY, AUGUST 2ND

8:00 – 10:00 am:

Breakfast

10:00 – 10:45 am:

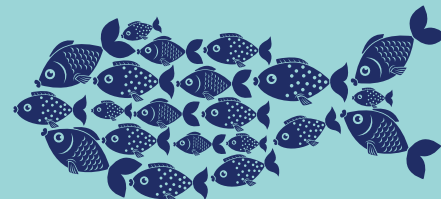
Keynote Speaker: Dr. Debbie Duffield

"Pacific Northwest Marine Mammals and Our Changing Marine Environment"

This will be an overview of the marine mammals that are commonly found on our northwest coast as seen from the perspective of the Marine Mammal Stranding Network. Dr. Duffield will concentrate on the problems they are facing as our marine environment changes and as conflicts with human activities increase.

11:00 am – 12:00 pm:

Concurrent Session E



CONFERENCE DETAILS CONTINUED...

Concurrent Session E...

"Students Helping Teachers Helping Students"

Ian Black, Oregon State University – Marine Resource Management, Graduate Student

Katy Nalven, Oregon State University – Marine Resource Management, Graduate Student

Brian Erickson, Oregon State University – Marine Resource Management, Graduate Student

Three students from the Marine Resource Management program at OSU will share teacher resources and present on their research involving public perception of modern issues, K-12 marine education, and curriculum generation. Katy Nalven will present her research regarding the creation of actionable messages about plastic pollution via ecotourism avenues. Brian Erickson will discuss his development of a high school level ocean acidification curriculum that incorporates solutions and impacts. Ian Black will talk about the development of an open source oceanographic sensor designed to introduce students to hands-on and conceptual marine STEM.

"Underwater in the Pacific Northwest"

Paul North, Meet the Ocean, Nonprofit Director and Podcast Host CUL Science 1-403


A multimedia investigation into the ecosystems and invertebrate communities inhabiting the coastlines of the Pacific Northwest. This presentation traces the baselines that allow for the great extent of marine diversity in the area, following course to the larger megafauna that inhabit the region. From a density of plankton and algal growth, to the colorful nudibranchs upon the bottom, to the largest octopus on our planet – the ocean life of the Pacific Northwest is as spectacular as all the rest.

"Art From Place"

Graham Klag, Everett State University, Artist

Explore the confluence of art with places of ecological and inspirational significance. Creating art that serves the holistic messaging needs of biological conservation education; reuniting people to place. From translating students' scientific field experiences into artworks, to integrating art into conservation projects, explore visualizing ecosystem relationships, potentials and aesthetics.

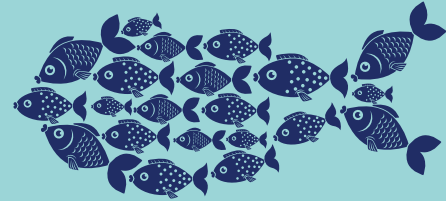
12:00 – 1:00 pm:
Lunch & Closing



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at PacNAME.org***

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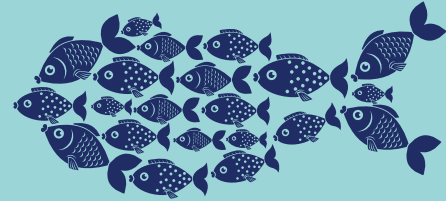
BIKETOWN 



Portland State
UNIVERSITY

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JOY TALLY

In Memoriam

Joy Elizabeth Tally

1/1/1975 - 1/28/2017

There's something about water that draws all of us closer to the fundamental mystery and wonder of life. And when we find others – friends, loved ones, mentors or colleagues – with whom we can share this mystical journey, we know we have been given a profound gift. All of us at NAME were blessed by the gift that was Joy Elizabeth Tally. As a friend, a colleague, a mentor and an inspiration, Joy offered her spirit and energy to us in the NAME community. Her passion for the environment and love for her community made a deep, permanent mark on NAME as an organization, and for each one of us fortunate enough to know her as a friend.

The 2018 Portland, OR NAME Conference was Joy's dream, and we will enjoy it, to the fullest with her vision, light, and enthusiasm in mind!

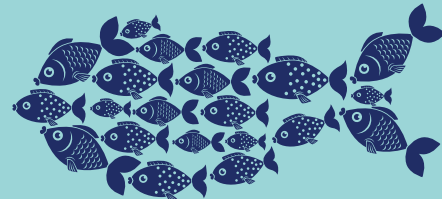
In honor of Joy and her enthusiasm for mentoring new NAME members, we have created the Joy Tally Memorial Scholarship to encourage the professional development of aspiring marine and aquatic educators so that NAME can continue to create a community of water-literate stewards.



CONFERENCE PROGRAM

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See You in Washington 2019!

