Erin K. Peck, Ph.D. (she/her)
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CURRENT POSITION

Assistant Professor, University of Rhode Island, Kingston, RI *Aug 2024 – Present*
Graduate School of Oceanography, Geological Oceanography

POSTDOCTORAL POSITIONS

Courtesy Faculty, Oregon State University, Corvallis, OR *Dec 2022 – Dec 2023*
Appointed through the College for Earth, Ocean, & Atmospheric Sciences.

Oak Ridge Institute for Science and Education (ORISE) Postdoctoral Research Fellow *Oct 2022 – Aug 2024*
In collaboration with Northeast Climate Adaptation Science Center, Amherst, MA & USGS Woods Hole Coastal and Marine Science Center, Woods Hole, MA
Advisors: Dr. Jon Woodruff & Dr. Neil Ganju
Working to geospatially integrate and assess new proxies for salt marsh integrity including wetland above ground biomass, normalized marsh elevation, and sediment-based lifespan; additionally, assessing geomorphic effectiveness of salt marsh restoration techniques (e.g., runnels), impacts of shoreline hardening; projecting salt marsh lifespan under sea level rise and mitigation scenarios. Managing an annual budget of $20,500.

Postdoctoral Researcher, University of Delaware, Newark, DE *May 2021 – Oct 2022*
Advisor: Dr. Shreeram Inamdar
Studied impacts of relict milldams on stream geomorphology and sediment transport; linked alteration of riverscapes on riparian groundwater and sediment biogeochemistry, especially nitrogen cycling; assessed the potential for buried hydric soils to aid in stream and riparian restoration goals.

EDUCATION

Ph.D., Oregon State University, Corvallis, OR *June 2021*
College of Earth, Ocean, & Atmospheric Sciences (CEOAS)
Major: Ocean, Earth, & Atmospheric Sciences
Discipline: Ocean Ecology & Biogeochemistry
Minor: Risk & Uncertainty Quantification in Earth Systems
Advisor: Dr. Robert A. Wheatcroft

Graduate Certificate in College & University Teaching *September 2019*
Graduate School, Oregon State University, Corvallis, OR

M.S., Oregon State University, Corvallis, OR *June 2017*
CEOAS
Major: Ocean, Earth, & Atmospheric Sciences
Discipline: Ocean Ecology & Biogeochemistry
Advisor: Dr. Robert A. Wheatcroft

B.A., Franklin & Marshall College, Lancaster, PA *May 2014*
Major: Environmental Science Minor: Geoscience
Magna Cum Laude

GRANTS & FELLOWSHIPS ($753,798+)

Champlin Foundation (2025); $157,995
"OCEAN-CREST: OCEANfront observatory for Coastal Resilience Engineering, Science, and Technology"; Co-PIs: Reza Hashemi (lead), Che-Wei Chang, J.P. Walsh, Stephen Licht, Tracey Dalton, Dawn Cardace, Elizabeth Laliberte, Chris Baxter, Karen Lokey

Oregon Sea Grant 2024-2026 Biennial Research Competition (2024-2026); $240,000
"How much will the Oregon coastal dunes mitigate the impact of tsunami? And how will tsunami change the Oregon coastal dunes geomorphology?"; Co-PIs: Meagan Wengrove & Jonathan Allan

Association for the Sciences of Limnology and Oceanography (ASLO) Raelyn Cole Editorial Fellowship (2023-2025); $3,000 & conference travel expenses

Will work with and learn from ASLO Editors (*Limnology and Oceanography: Letters*) to address current issues in open-access publishing, peer review, and writing

Chesapeake Bay Trust: Pooled Monitoring Initiative's Restoration Research Award Program 2022 (2022-2024); $110,000

"Memories of the soil: Evaluation of soil nitrogen stable isotope as a robust metric to assess floodplain restoration and nitrogen removal effectiveness"; Co-PI: Shreeram Inamdar

US Environmental Protection Agency (EPA) Wetland Program Development Grant (2021-2023); $228,556

"Back from the past? Assessing potential of relic, hydric soils for wetland and floodplain restorations"; Co-PI: Shreeram Inamdar

National Science Foundation Research Traineeship (NRT) Fellow in Risk & Uncertainty Quantification in Marine Science at Oregon State University (2019-2020); 1-year stipend ($34,000), tuition, & fees

Worked in a transdisciplinary group including Jasmine King (environmental policy scientist), Rosemary Pazdral (hydrologist), and Emerson Webb (statistician), studying the socio-ecogeomorphological connectivity of Oregon estuaries and watersheds and the vulnerability of these systems to climate and land-use change.

The Geological Society of America (GSA) Award for Geochronology Student Research (AGeS2) (2019-2020); $9,447

Worked with Tom Guilderson at Lawrence Livermore National Laboratory to quantify salt marsh reemergence rates following the 1700 Cascadia Subduction Zone earthquake using high sample density radiocarbon dating and Bayesian age-depth modeling.

Oregon Sea Grant Robert E. Malouf Marine Studies Scholarship (2018-2019); $10,800

Developed and implemented a series of hands-on learning activities using Oregon salt marsh sediment cores with tsunami deposits for under-represented K-12 students from Oregon public schools.

Oregon Sea Grant Omnibus Grant (2016-2018); $200,000

"Competing effects of relative sea-level rise and fluvial inputs on blue carbon sequestration in Oregon salt marshes"; Co-PIs: Robert Wheatcroft & Laura Brophy

HONORS & AWARDS

University of Delaware Isotope Scholars Program (2022)
Murray Levine Memorial Fund for Teaching Assistant Excellence (2016 & 2021); $1,000
CEOAS Student Travel Award (2019); $200
Coastal & Estuarine Research Federation (CERF) Student Travel Award (2019); $300
The Coastal Society Second Place Student Poster Award (2019); $100
State of the Coast Runner-Up Student Poster Award (2018)
Oregon Sea Grant Scholars Travel Award (2018); $500
Achievement Rewards for College Scientists Scholar Award (2014-2017); $18,000
Phi Beta Kappa Society (2014-Present)
Franklin & Marshall Environmental Science Award (2014); $500
Lloyd S. Yeakel Memorial Award in Geology for outstanding performance in the field of sedimentology (2013); $500

PEER REVIEWED PUBLICATIONS

Peck, E.K., J.E. Walker, K.V. Ackerman, J. Carr, M.D. Correll, Z. Defne, L.A. Deegan, M.J. Eaton, N.K. Ganju, M. Hartley, C. Johnson, J. Mercer, K.J. Ruskin, J.D. Woodruff, & B. Yellen. (*in review*). Distribution and disturbances of ditches across salt marshes of the Northeast U.S. with implications for management and restoration.

Peck, E.K., S.S. Wittyngham, A.J. Smith, T.P. Guilderson, J.D. Woodruff, and M.L. Kirwan. (*in review*). Current methods overestimate coastal blue carbon potential.

Janousek, C.N., J. Krause, J.Z. Drexler, K. Buffington, K. Poppe, **E.K. Peck**, ... et al. (*in review*). Multiscale drivers of variability in blue carbon stocks along the Pacific coast of North America.

Peck, E.K., R.A. Wheatcroft, & M. Goñi. (2024*)*. Spatiotemporal controls on organic matter sourcing to minerogenic salt marshes. *Limnology & Oceanography.*

Bacmeister, E., **E.K. Peck**, S. Bernasconi, S. Inamdar, J. Kan, & M. Peipoch. (2024). Water column nitrogen removal during storms in a low-order watershed. *Journal of Geophysical Research: Biogeosciences*.

Dumitru, O., K. Grant, A. Glueder, & **E.K. Peck**. (2024). Geochemistry of sea level change. Book Chapter in: Reference

Module in Earth Systems and Environmental Sciences.

Franco-Santos, R.M., L.J. Falkenberg, S. Hotaling, & **Peck, E.** (2024). Meeting the Raelyn Cole Editorial Fellows at the ASLO 2023 Aquatic Sciences Meeting: Perspectives on Professional Development, Writing, and Finding your Academic Superpower. *Limnology & Oceanography Bulletin*.

Inamdar, S., M. Peipoch, M., Sena, B. Joshi, B., M.M. Rahman, J. Kan, **E.K. Peck**, A. Gold, T.L.E. Trammell, & P.M. Groffman. (2024). Riparian groundwater nitrogen (N) isotopes reveal human imprints of dams and road salt salinization. *Geophysical Research Letters*.

Peck, E.K., S. Inamdar, J. Kan, M. Peipoch, A.J. Gold, D.J. Merritts, & Rahman, M. (2024). Back from the past? Assessment of nitrogen removal ability of buried historic wetland soils before and after a 1-year incubation on a restored floodplain. *Restoration Ecology*.

Ensign, S.H., J.N. Halls, & **E.K. Peck**. (2023). Watershed sediment cannot offset sea level rise in most US tidal wetlands. Science.

Joshi, B., E. Bacmeister, **E. Peck**, M. Peipoch, J. Kan, & Inamdar, S. (2023). Sediment-Nitrogen (N) connectivity: suspended sediments in streams as N exporters and reactors for denitrification and assimilatory N uptake during storms. *Frontiers in Water*.

Kan, J., **E.K. Peck**, L. Zglesweski, & S. Inamdar. (2023). Microbiome structure and depth distribution in riparian sediments deposited above milldams. *Frontiers in Microbiology*.

Peck, E.K., S. Inamdar, M. Peipoch, & A. Gold. (2023). Influence of relict milldams on riparian sediment biogeochemistry. *Journal of Soils and Sediments.*

Bacmeister, E., **E.K. Peck**, S. Bernasconi, S. Inamdar, J. Kan, & M. Peipoch. (2022). Stream nitrogen uptake associated with suspended sediments: a microcosm study. *Frontiers in Environmental Science*.

Buser-Young, J.Z., **E.K. Peck**, P. Chase, L. Lapham, & F. Colwell. (2022). Biogeochemical dynamics of a changing high-latitude wetland. *Journal of Geophysical Research: Biogeosciences*.

Inamdar, S., **E.K. Peck**, M. Peipoch, M. Sherman, J. Hripto, A. Gold, … et al. (2022). Saturated, suffocated, and salty: Human legacies amplify nitrogen pollution in riparian zones. *Journal of Geophysical Research: Biogeosciences*.

Peck, E.K., T.P. Guilderson, M.H. Walczak, & R.A. Wheatcroft. (2022). Recovery rate of a salt marsh from the 1700 CE Cascadia Subduction Zone earthquake, Netarts Bay, Oregon. *Geophysical Research Letters.*

Peck, E.K. & R.A. Wheatcroft. (2022). Spatiotemporal variation in Oregon salt marsh expansion and contraction. *Estuarine, Coastal and Shelf Science.*

Peck, E.K., S. Inamdar, M. Sherman, J. Hripto, M. Peipoch, A. Gold, & K. Addy. (2022). Nitrogen sinks or sources? Denitrification and nitrogen removal potential in riparian legacy sediment terraces affected by milldams. *Journal of Geophysical Research: Biogeosciences*.

Sherman, M., J. Hripto, **E.K. Peck**, A. Gold, M. Peipoch, P. Imhoff, & S. Inamdar. (2022). Backed-up, saturated, and stagnant: Effect of milldams on upstream riparian groundwater hydrologic and mixing regimes. *Water Resources Research.*

Hripto, J., S. Inamdar, M. Sherman, **E.K. Peck**, A. Gold, S. Bernasconi, K. Addy, & M. Peipoch. (2022). Effects of relic-low-head dams on stream denitrification: Seasonality and biogeochemical controls. *Aquatic Sciences.*

Krieg, C., E. Johnson, **E.K. Peck,** J. Kan, & S. Inamdar. (2021). After the Storm: Fate and Leaching of Particulate Nitrogen (PN) in the Fluvial Network and the Influence of Watershed Sources and Moisture Conditions. *Water*.

Lewis, E., S. Inamdar, A. Gold, K. Addy, T. Trammell, D. Merritts, ... & **E.K. Peck.** (2021). Draining the landscape: How do nitrogen concentrations in riparian groundwater and stream water change following milldam removal? *Journal of Geophysical Research: Biogeosciences*.

Ewton, E., S. Klasek, **E.K. Peck**, & F. Colwell. (2021). Microbial community characteristics largely unaffected by X-ray computed tomography of sediment cores. *Environmental Science & Technology Letters.*

Peck, E.K., R.A. Wheatcroft, & L.S. Brophy. (2020). Controls on sediment accretion and blue carbon burial in salt marshes: Insights from the Oregon coast, USA. *Journal of Geophysical Research: Biogeosciences*.

de Wet, C.B., A. Moser, K. Oxman, & **E.K. Peck.** (2015). Semi-arid and cyclic carbonates; deposition and diagenesis of the Middle Cambrian Buffalo Springs Formation, Morgantown, Pennsylvania, USA. *PA Geology*.

TECHNICAL REPORTS

Brophy, L.S., **E.K. Peck**, S.J. Bailey, C.E. Cornu, R.A. Wheatcroft, L.A. Brown, & M.J. Ewald. (2018). Southern Flow Corridor effectiveness monitoring, 2015-2017: Sediment accretion and blue carbon. Prepared for Tillamook County and the Tillamook Estuaries Partnership, Tillamook, Oregon, USA. Corvallis, Oregon: Institute for Applied Ecology.

Brophy, L.S., L.A. Brown, M.J. Ewald, & **E.K. Peck.** (2017). Baseline monitoring at Wallooskee-Youngs restoration site, 2015, Part 2: Blue carbon, ecosystem drivers and biotic responses. Corvallis, Oregon: Institute for Applied Ecology.

Brophy, L.S., L.A. Brown, M.J. Ewald, & **E.K. Peck.** (2015). Baseline monitoring at Wallooskee-Youngs restoration site, 2015, Part 1: Blue carbon and channel morphology. Corvallis, Oregon: Institute for Applied Ecology.

PRESENTING CONFERENCES (SESSION ORGANIZER ROLES)

ASLO Ocean Sciences Meeting 2025, Charlotte, NC *March 2025*
- Session Co-Chair: Author Spotlight Session: Recent high-impact publications from the ASLO journals
- Town Hall Co-Chair: Open Access publishing and ASLO

American Geophysical Union (AGU) Fall Meeting, Washington, DC *December 2024*

Northeast Association of Fish & Wildlife Agencies *April 2024*

New England Estuarine Research Society, Freeport, ME *April 2024*

Ocean Sciences Meeting, New Orleans, LA *February 2024*
- Session Co-Organizer: Coupling Coastal Hydrodynamic and Hydrologic Models Using a Community-Based Approach
- Session Co-Organizer: Demystifying the Publishing Process: Things to Know About Writing and Publishing Your First Paper
- Session Co-Organizer: Early career and student opportunities within ASLO
- Session Co-Organizer: Open-Access Publication of Your Manuscript for Free: L&O Letters Early Career Publication Honor

American Geophysical Union (AGU) Fall Meeting, San Francisco, CA *December 2023*

CERF 27th Biennial Conference, Portland, OR *November 2023*
- Session Co-Organizer: Inclusive Fieldwork Workshop

ASLO Ocean Sciences Meeting 2023, Palma de Mallorca, Spain *June 2023*
- Session Organizer: Meet the Raelyn Cole Editorial Fellows

European Geophysical Union (EGU) General Assembly, Vienna, Austria *April 2023*

AGU Fall Meeting, Chicago, IL *December 2022*

Goldschmidt 2022, Honolulu, HI *July 2022*

University of Delaware International Workshop on Biogeochemical Cycling in Coastal Soils, Newark, DE *May 2022*

Pacific Estuarine Research Society 2022 Meeting (virtual) *March 2022*

AGU Fall Meeting, New Orleans, LA (virtual) *December 2021*

AGU Fall Meeting, San Francisco, CA (virtual) *December 2020*

GSA Annual Meeting (virtual) *October 2020*

CERF 25th Biennial Conference, Mobile, AL *November 2019*

AGU Fall Meeting, Washington, DC *December 2018*

State of the Coast, Coos Bay, OR *October 2018*

AGU Fall Meeting, San Francisco, CA *December 2016*

ARCS Annual Luncheon, Portland, OR *October 2016*

CERF 23rd Biennial Conference, Portland, OR *November 2015*

INVITED SEMINARS

New Jersey Department of Environmental Protection Monthly Seminar (virtual) *November 2024*

Northeast Climate Adaptation Science Center Webinar (virtual) *May 2024*

NIWA Research Seminar (Wellington, NZ) *April 2023*

Uni of North Carolina Wilmington Dept of Earth and Ocean Sciences Seminar (Wilmington, NC; virtual) *January 2023*

Uni of Massachusetts Amherst Dept of Earth, Geographic, and Climate Sci ProSem (Amherst, MA) *November 2022*

Franklin & Marshall College Lite Lunch Seminar (Lancaster, PA) *October 2021*

Stroud Water Resource Center Lunch Seminar (Avondale, PA) *July 2021*

Pacific Northwest Blue Carbon Working Group (Oregon coast, OR; virtual) *March 2021*

Pacific Northwest National Laboratory Seminar (Richland, WA; virtual) *January 2021*

University of Washington 'Seismolunch' Seminar (Seattle, WA; virtual) *December 2020*

Oregon Sea Grant (OSG) Coffee with Colleagues (Corvallis, OR; virtual) *May 2020*

CEOAS Ocean Ecology & Biogeochemistry Seminar (Corvallis, OR) *January 2020*

USGS Brownbag Seminar Series (Portland, OR) *October 2018*

RESEARCH EXPERIENCE

Oregon State University, Corvallis, OR *Winter 2023 – Summer 2024*
Courtesy Faculty, College of Earth, Ocean, & Atmospheric Sciences

Oak Ridge Institute for Science and Education (ORISE) Program *Fall 2022 – Summer 2024*
Postdoctoral Research Fellow at the Northeast Climate Adaptation Science Center, Amherst, MA (Dr. Jon Woodruff) & USGS Woods Hole Coastal and Marine Science Center, Woods Hole, MA (Dr. Neil Ganju)
Creation of a decision framework for salt marsh conservation and restoration along the Northeast USA

University of Delaware, Newark, DE
Postdoctoral Researcher (Dr. Shreeram Inamdar) *Spring 2021 - Fall 2022*
Influence of relict Mid-Atlantic milldams on sediment transport & biogeochemistry

Oregon State University, Corvallis, OR
Graduate Research & Teaching Assistant (Dr. Robert Wheatcroft) *Fall 2014 - Spring 2021*
Centennial-scale assessment of drivers of salt marsh accretion & blue carbon burial along the Oregon coast
Collaborator – Institute for Applied Ecology (Laura Brophy) *January 2015 - March 2016*
Assessment of blue carbon sequestration rates in restored Oregon tidal saline wetlands
Research Assistant – South Slough National Estuarine Research Reserve (Craig Cornu) *November 2014 - February 2015*
Development of collaborative research framework & proposals for the PNW Coastal Blue Carbon Working Group

Franklin & Marshall College, Lancaster, PA
Hackman Research Scholar – Earth & Environment Department (Dr. Robert Walter) *June 2013 - June 2014*
Identification of sources of suspended sediment to a Mid-Atlantic stream using Bayesian fingerprinting
Hackman Research Scholar - Chemistry Department (Dr. Jennifer Morford) *June 2012 - June 2013*
Identification of thiols and trace metals in salt marsh porewater from Great Bay, NH
Laboratory Assistant - Biology Department (Dr. Carl Pike) *Spring 2012*
Assessment of physiological responses of various plant species grown under elevated CO_2

SOCIAL JUSTICE, EQUITY, DIVERSITY & INCLUSION ACTIVITIES & TRAININGS

Lead organizer of the Limnology & Oceanography Letters Early Career Publication Honor	*2024 – 2026*
ASLO Raelyn Cole Editorial Fellowship focused on reducing bias in peer-review	*2023 – 2025*
Co-Organizer CERF Workshop on Inclusive Fieldwork	*November 2023*
AGU LANDInG Inclusive Mentoring virtual webinar (2-hr seminar; participant)	*Fall 2022*
CIRTL, Disrupting bullying in academia webinar (2 1.5-hr seminars; participant)	*Spring 2022*
Reviewer for CEOAS Ocean Ecology & Biogeochemistry Group's DEI Mission Statement	*Winter 2021*
Social Justice Education Initiative Workshop Tier 1 & Tier 2 (10 hr; participant)	*Summer & Fall 2020*
Discussion with CEOAS Deans about college-wide DEI initiatives	*Summer 2020*
OSU SNR522: Ethics of Conservation focus on Traditional Ecological Knowledge (4 credit hr)	*Spring 2020*
Unpacking Diversity CEOAS Professional Learning Community (participant & organizer)	*2018 - 2021*
OSU GRAD542: The Inclusive Classroom: Difference, Power, & Discrimination (4 credit hr)	*Spring 2019*
OSU's SMILE Spring Challenge Event for underserved Oregon K-12 students (organizer)	*Spring 2019*
Oregon Women in Higher Education Annual Conference (8 hr; participant)	*Winter 2018*
SERC, InTeGrate Webinar (1-hr seminar; participant)	*Fall 2018*
CIRTLCast DEI Seminar Series (4 1-hr seminars; participant)	*Fall 2018*

TEACHING EXPERIENCE & PRODUCTS

**Teaching portfolio is available upon request.*

Peck, E.K. (published online January 2020). Teach the Earth Activity: Identifying tsunami sand in salt marsh stratigraphy. Science Education Resource Center (SERC) at Carleton College. serc.carleton.edu/teachearth/activities/234763.html

OSU Graduate Certificate in College & University Teaching (18 credit hours) *Fall 2017 – Summer 2019*
Coursework: Theories of Teaching & Learning (3 credit); Course Design & Methods (3 credit); Professional Development in Teaching, emphasis on Diversity, Equity, & Inclusion (3 credit); The Inclusive Classroom: Difference, Power, & Discrimination (3 credit); College & University Teaching Internship (3 credit); College & University Capstone Seminar (3 credit)

Graduate Teaching Assistant – Oregon State University, Corvallis, OR *Fall 2014 – Spring 2021*

Course No.	Title	Credit Hour	Students	Term/Year
eGEO 300	Sustainability for the Common Good	3	49	F14
eOC 103	Exploring the Deep/Geog. of World Oceans	4	48	F14
OC 201	Oceanography	4	48	W15
OC 201	Oceanography	4	17	SP15
OEAS 500	Cascadia Field Course	4	18	F15
OC 201	Oceanography	4	24	W16
OC 103	Exploring the Deep/Geog. of World Oceans	4	50	SP16
OEAS 500	Cascadia Field Course	4	16	F16
OEAS 520	The Solid Earth	4	13	F16
OEAS 520	The Solid Earth	4	21	W18
OEAS 520	The Solid Earth	4	16	W19
OC 499	Geological Oceanography	4	25	SP19
eOC 103	Exploring the Deep/Geog. of World Oceans	4	20	SU19
OEAS 540	The Biogeochemical Earth	4	30	F20
OEAS 520	The Solid Earth	4	15	W21
OC 499	Geological Oceanography	4	25	SP21

Tutor – Franklin & Marshall College, Lancaster, PA *Spring 2014*

Sedimentology & Stratigraphy (4 credit hours; 20 undergraduate students)

STUDENT MENTORSHIP

Emily Hall	M.S., Oceanography (Marine Geology), URI	Expected 2026
Alexis Yaculak	Ph.D., Water Science & Policy, UDel	Expected 2025
Bisesh Joshi	Ph.D., Water Science & Policy, UDel	Expected 2025
Matthew Sena	Ph.D., Water Science & Policy, UDel	Expected 2025
Nathaniel Levia	B.S., Entomology & Wildlife Ecology, UDel	Expected 2024
Rachel Zobel	Ph.D., Water Science & Policy, UDel	Expected 2024
Molly Autery	M.S., Geoscience, UMass Amherst	Expected 2024
Ryan Morano	B.S., Environmental Science, UMass Amherst	Spring 2023
Sophia Bradach	B.S., Soil Science, Stockton University	Spring 2023
Eva Snell Bacmeister	M.S., Water Science & Policy, UDel	Fall 2022
Johanna Hripto	M.S., Water Science & Policy, UDel	Winter 2022
Melissa Sherman	M.S., Water Science & Policy, UDel	Winter 2022
Justine Paul Berina	B.A., Wooster College; UDel Summer Scholar	Spring 2022
Raymond Ngo	B.S., Oceanography, OSU	Spring 2019
Sean Mahaffey	B.S., Oceanography, OSU	Spring 2018
Irene Garris	B.S., Oceanography, OSU	Spring 2017
Jake Turner	B.S., Geology, OSU	Spring 2016
Grace Molino	NSF Research Experience for Undergraduates, OSU	Summer 2016

OUTREACH EXPERIENCE

Fair Hill Natural Resources Management Areas, MD, First Saturday Hike Series *June 2022*

Guest speaker on a public hike about issues related to stream restoration and water quality

Oregon Sea Grant Growing Engineers and Marine Scientists Webinar *December 2020*

Engaged with 6^{th} – 12^{th} graders about my research and experiences as a woman in marine science

OSU Marine & Geology Repository Grand Opening *January 2020*

Spoke with Oregon community members about Oregon salt marshes ecosystem services and vulnerability to sea level rise and landscape alteration

Pew Charitable Trusts Assessment of Coastal Needs in Oregon and Washington *November 2019*

Served as an expert scientist on a panel assessing of current policies, practices, and needs for tidal wetland conservation across the PNW

Sitka Sedge Technical Team Meeting *October 2019*
As an expert scientist, spoke with the Sitka Sedge Technical Team and members of the Tierra Del Mar community about restoration options for a faulty tide gate in the southern portion of Sand Lake Estuary

Corvallis da Vinci Days *July 2019*
Designed and delivered a booth with the goal of communicating to Corvallis community members how Oregon's salt marshes record the history of Cascadia Subduction Zone earthquakes and tsunami

OSU's Science & Math Investigative Learning Experiences (SMILE) Spring Challenge Event *April 2019*
Designed and implemented a series of hands-on learning activities for K-12 students organized by OSU's SMILE program. SMILE seeks to provide underserved Oregon K-12 students with pathway programs to degrees and careers in STEM. My activities guided ~60 high school students, ~100 elementary school students, and ~25 K-12 teachers in the SMILE program through an activity investigating organic carbon burial in salt marsh cores at the OSU Marine Geology Repository

Hatfield Marine Science Day *April 2019*
Designed and delivered a booth with the goal of communicating to Oregon coastal community members how Oregon's salt marshes record the history of Cascadia Subduction Zone earthquakes and tsunami

ORGANIZATIONS & COMMITTEES

Conference Organizer:
Coastal Estuarine Research Federation *Winter 2023 – Present*

Lead Organizer:
Limnology & Oceanography Letters Early Career Publication Honor *Spring 2024 – Spring 2026*
CEOAS Association of Graduate Students Professional Development Group *Fall 2019 – Spring 2020*
CEOAS Ocean Ecology & Biogeochemistry Grad Night *Fall 2017– Fall 2019*

Organizing Member:
Unpacking Diversity CEOAS Professional Learning Community *Fall 2019 – Spring 2021*
CEOAS Promotion & Tenure Graduate Student Evaluation Committee *Fall 2018*
CEOAS Academic Mentoring Program *Winter 2018*
CEOAS Science Communication Group *Fall 2017 – Winter 2020*

AD HOC REVIEWER

NSF MGG Panel Reviewer *Winter 2025*
Manuscript Peer Reviewer for *Journal of Ocean Engineering and Marine Energy* *Fall 2024*
Manuscript Peer Reviewer for *JGR-Earth Surface* *Fall 2024*
Manuscript Peer Reviewer for *Arctic* *Fall 2024*
Manuscript Peer Reviewer for *Journal of Sedimentary Research* *Fall 2024*
Manuscript Peer Reviewer for *Nature Communications* *Fall 2024*
NSF MGG Proposal Reviewer *Spring 2024*
NSF MGG Proposal Reviewer *Winter 2024*
Application Reviewer for the 2024 Oregon Sea Grant Summer Scholars Program *Winter 2024*
Manuscript Peer Reviewer for *Geophysical Research Letters* *Winter/Spring 2023*
Manuscript Peer Reviewer for *Estuaries and Coasts* *Winter 2023*
Manuscript Peer Reviewer for *Estuaries and Coasts* *Summer 2022*
Manuscript Peer Reviewer for *Limnology and Oceanography* *Spring 2022*
Application Reviewer for the 2019 Oregon Sea Grant Summer Scholars Program *Spring 2022*
Manuscript Peer Reviewer for *Earth Surface Processes and Landforms* *Fall 2021*
Application Reviewer for the 2021 Oregon Sea Grant Malouf Fellowship *Summer 2021*
Manuscript Peer Reviewer for *Estuaries and Coasts* *Summer 2020*
Application Reviewer for the 2019 Oregon Sea Grant Summer Scholars Program *Spring 2019*
Application Reviewer for the 2018 Oregon Applied Sustainability Experience *Spring 2018*
Manuscript Reviewer for *Limnology and Oceanography: Methods* *Winter 2017*

PROFESSIONAL MEMBERSHIPS & WORKING GROUPS

Northeast Estuarine Research Society *2024 - Present*
Association for the Sciences of Limnology and Oceanography *2022 - Present*
Coastal Estuarine Research Federation *2020 - Present*

American Geophysical Union *2016 - Present*
Pacific Estuarine Research Society *2022 - 2023*
The Geological Society of America *2019 - 2023*
Pacific Northwest Blue Carbon Working Group *2014 - 2023*

RESEARCH SKILLS

Software proficiency: Microsoft Office, Adobe, MATLAB, ArcGIS Pro & Desktop, Fiji (ImageJ), R

Laboratory proficiency: Gamma detection of excess ^{210}Pb & ^{137}Cs, Loss on ignition, Organic carbon & nitrogen analysis by CNH analysis, Recent organic radiocarbon sample preparation, Stable carbon & nitrogen isotope sample preparation, X-ray fluorescence (XRF) core scanning, Computed tomography (CT) analysis, Particle size analysis, Glove bag & glove box sample preparation, Partial sediment digestion, ICP-OES

Field proficiency: Salt marsh sediment core collection techniques, Hand-auguring, Stream & groundwater well sampling, Deployment & maintenance of YSI EXO & In-Situ Aqua TROLL multiparameter sensors; RTK GPS