

Ellie S. Jones

ellie.s.jones@asu.edu

Education

09/15-06/19 **B.S. Marine Biology** from the Oregon Institute of Marine Biology (OIMB), Robert D. Clark Honors College, University of Oregon (UO).

Laboratory and Professional Experience

- 09/01-current **Science Communicator and Research Specialist**, Hawai‘i Monitoring and Reporting Collaborative (HIMARC,) Donovan Lab at Arizona State University, Tempe, Arizona.
Advisor: Dr. Mary Donovan.
- 04/01-09/30 **Marine Science Coordinator**, Mālama Pūpūkea-Waimea, Pūpūkea, Hawai‘i.
Advisor: Jenny Yagodich.
- 05/21-08/31 **NOAA Office of National Marine Sanctuaries; Conservation Science Division; Science Communicator**, National Oceanic and Atmospheric Administration, remote.
Advisor: Mitchell Tartt.
- 02/21-04/21 **NOAA Office of National Marine Sanctuaries; Constituent and Legislative Affairs Intern**, National Oceanic and Atmospheric Administration, remote.
Advisor: Ellie Splain Roberts.
- 10/19-03/20 **Research Volunteer**, Plastic Ocean Project, Incorporated, Wilmington, North Carolina.
Advisor: Bonnie Montleone.
- 06/18-09/18 **Research Intern**, Ocean Acidification Laboratory, Mote Marine Laboratory International Center for Coral Reef Research and Restoration.
Advisors: Dr. Emily Hall, Ms. Lindsay Arick.
- 06/17-06/19 **Laboratory Assistant**, Deep-Sea Ecology Laboratory, OIMB.
Advisor: Dr. Craig Young.
- 06/16-09/16 **Laboratory Assistant**, Integrated Molecular Ecology of Sponges and Ascidians, University of North Carolina Wilmington.
Advisor: Dr. Susanna Lopez-Legentil.

Employment

- 10/19-08/20 **MarineQuest**, Wilmington, NC.
Job title: Science Program Instructor.
Employer: University of North Carolina Wilmington.
Job duties: Teach students aged 6-18 about marine ecosystems and marine science at MarineQuest through the University of North Carolina Wilmington. Create, implement, and instruct online summer camps to make marine science accessible to high school students during COVID-19.
- 10/19-08/20 **Motts Channel Seafood**, Wrightsville Beach, NC.
Job title: Cashier and Fish Cutter.
Employer: Motts Channel Seafood.
Job duties: Work retail and fish cutting at a local seafood market. Learn about the seafood industry and promote sustainable practices in fishing and retail.
- 06/20-07/20 **Captain Big Fish Charters**, Wrightsville Beach, NC.
Job title: Fishing Mate.
Employer: Captain Big Fish Charters.
Job duties: Work as a mate on the fishing charter Captain Big Fish for both inshore and offshore charters. Aid in regular boat maintenance.
- 06/19-08/19 **Oregon Institute of Marine Biology**, Charleston, OR.
Job title: Teaching Assistant for Invertebrate Zoology.
Employer: University of Oregon.
Job duties: Aid in teaching BI 450 Invertebrate Zoology at the Oregon Institute of Marine Biology. Organize and lead intertidal field trips to collect and learn about organisms; give lectures on experimental design, statistics, and scientific writing; lead class discussions and dissections; care for laboratory organisms.
- 06/19-08/19 **Bandon Pacific Seafood**, Charleston, OR.
Job title: Seafood Processor.
Employer: Northwest Staffing Resources.
Job duties: Work as a seafood processor at a local commercial fishery and grow relationships with local fishermen; engage in conversations about how to move towards sustainable fishing methods.
- 01/17-03/17 **Biology Department, University of Oregon**, Eugene, OR.
Job title: Teaching Assistant, Ocean Planet.
Employer: University of Oregon.
Job duties: Aid in teaching BI 150 Ocean Planet at the University of Oregon. Lead laboratory experiments; give lectures on tropical and temperate marine ecosystems; facilitate discussion and answer questions.

Publications and Research

- 07/17-current **Distributions of microplastics and larger anthropogenic debris in Norfolk Canyon, Baltimore Canyon, and the adjacent continental slope (Western North Atlantic Margin, U.S.A.).**
2021. *Marine Pollution Bulletin* (174).
<https://doi.org/10.1016/j.marpolbul.2021.113047>
Oregon Institute of Marine Biology, University of Oregon.
Co-authors: Dr. Steve W. Ross, Dr. Craig M. Robertson, Dr. Craig M. Young.
- 04/18-06/18 **Distribution of *Strongylocentrotus purpuratus* in intertidal urchin pits at South Cove, Cape Arago.**
Oregon Institute of Marine Biology, University of Oregon.
Advisor: Dr. Aaron Galloway.
- 04/17-05/18 **Abundance and composition of sponges, algae, and oysters on mangrove prop roots: Effects of location in Bocas del Toro, Panama.**
Smithsonian Tropical Research Institute, Bocas Research Station.
Oregon Institute of Marine Biology.
Research partner: Emily Bork.
Advisors: Dr. Richard Emlet, Dr. Jan Hodder.
- 09/13-05/15 **Mercury levels in salt marsh sediment in North Carolina.**
University of North Carolina Wilmington.
Research partner: Katie Jones.
Advisor: Rebecka Brasso, PhD.

Conferences and Invited Talks

For: Everblue, 501(c)(3)

- 06/21 **United Nations Decade for Ocean Science Launch**
Attendee; Online due to COVID-19
- 06/21 **Virtual Early Career Ocean Professionals Day**
Booth presenter; Online due to COVID-19
- 10/20 **Microplastics Research Interest Group Seminar Series**
Seminar speaker; Online due to COVID-19 (originally Malaysia.)
- 08/20 **Sixth International Marine Conservation Congress**
Oral Presenter; Online due to COVID-19 (originally Kiel, Germany.)
- 01/20 **North Carolina Marine Debris Symposium**
Attendee; Duke University Nicholas Marine Lab, Beaufort, North Carolina.
- 10/18 **State of the Coast Conference**
Panelist; Cooperating and Communicating Science for Non-Science Audiences;
Coos Bay, Oregon.

For: Distributions of microplastics and larger anthropogenic debris in Norfolk Canyon, Baltimore Canyon, and the adjacent continental slope (Western North Atlantic Margin, U.S.A.).

06/21	International Network for submarine Canyon Investigation and Scientific Exchange Oral Presenter; Online due to COVID-19 (originally Gibraltar.)
05/19	Undergraduate Research Symposium Poster Presenter; University of Oregon, Eugene, Oregon.
01/19	NOAA Marine Debris Education Action Plan Meeting Oral Presenter; Oregon Coast Aquarium, Newport, Oregon.
12/18	International Conference on Plastics in the Marine Environment Oral Presenter; Singapore.
10/18	State of the Coast Conference Poster Presenter; Coos Bay, Oregon.
09/18	Oregon Sea Grant Scholars Symposium Oral Presenter; Corvallis, Oregon.

For: Abundance and composition of sponges, algae, and oysters on mangrove prop roots: Effects of location in Bocas del Toro, Panama.

05/18	Undergraduate Research Symposium Poster Presenter; University of Oregon, Eugene, Oregon.
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Outreach

12/17-current	Everblue, 501(c)(3) , Founder and Executive Director.
03/21-08/21	Ocean Climate Action Plan , North Carolina State Lead Organizer.
09/16-03/20	Plastic Ocean Project , Ambassador.
06/14-09/21	Wrightsville Beach Sea Turtle Project , Volunteer.
06/14-09/15	Karen Beasley Sea Turtle Rescue and Rehabilitation Center , Intern.

Everblue, 501(c)(3) Science Communication Work

History Founded Everblue in Jan 2018. Gained 501(c)(3) nonprofit status in Feb 2020.

Websites oceaneverblue.org, [@oceaneverblue](https://twitter.com/oceaneverblue)

Initiatives

Science Translation – Turn published scientific papers into understandable and interesting summaries for social media, website, and email newsletters.

Webinars – Connect marine research scientists with professionals in other fields such as small business and journalism in innovative webinars where Everblue facilitates discussion between the two groups.

Laboratory Collaborations – Allow scientists to work with Everblue as a consultant and coordinator for personalized laboratory outreach.

Partners	Mission Blue, Plastic Ocean Project Inc., NOAA Oregon Marine Debris Action Plan, NSF-funded Pacific Northwest Consortium on Plastics, The Ocean is Female, SeaBlue Collective, Surfrider, Oregon Coast Aquarium, ICRS Reefbites, Charleston Marine Life Center, Oregon Marine Students Association, Break Free From Plastic, Women for the Environment, Miss Elasmu, Oregon Marine Debris Action Plan, Pacific Northwest Consortium on Plastics, Society for Women in Marine Science, Charitable Partnership Foundation.
Events	<p><i>Scientists and CEOs</i> – Co-host event with SeaBlue Collective (online zoom event introducing small business owners to researchers to encourage conversations around sustainability.)</p> <p><i>Researchers & Writers</i> – Co-host event with Reefbites International Coral Reef Society Student Blog (online zoom event introducing writers to researchers to encourage conversations around science writing and science translation.)</p> <p><i>Chasing Coral Showings</i> – Partner with Chasing Coral documentary to host showings around Oregon.</p>

Awards and Scholarships

06/19	Library Undergraduate Research Award, UO.
05/19	Honors Thesis Distinction, Robert D. Clark Honors College, UO.
10/18	Oregon Sea Grant Scholar.
09/18	Oregon Institute of Marine Biology Neil Richmond Scholarship.
06/17	Global Education Oregon Mills Scholarship.
06/17	Oregon Institute of Marine Biology Alumni Society Scholarship.

Relevant Skills

- Science Communication Skills
 - Meeting/discussion/webinar facilitation
 - Public speaking on marine science to non-science audiences
 - Managing social media (Instagram, Facebook, Twitter, TikTok, LinkedIn)
- Educational Skills
 - Teaching K-12 & college education
 - Teaching zoom classes/programs, leading zoom meetings and interest groups
- Waterwoman Skills
 - PADI SCUBA certified (50 dives; Open Water; Advanced Open Water; Deep Diver)
 - Performance Freediving International (PFI) certified (Level I)
 - Spearfisher (West Side Diving Wahine Spearfishing Cohort 2022)
 - Oregon Boater's License
- Laboratory and Field Work Skills
 - Fish and benthic transect techniques
 - Transmission Electron Microscopy (TEM)
 - Ultramicrotomy for TEM
 - Scanning Electron Microscopy (SEM)

- Direct Mercury Analyzer – DMA-180
- Paraffin and resin histology
- Pulse Amplitude Modulation (PAM) M-series Chlorophyll Fluorescence System
- OASYS Ocean Acidification System
- Automated titrator to calculate total seawater alkalinity – Metrohm Titration Model 905 Titrando with Tiamo 2.0 software
- Coral physiology using incubation chambers and Fire Sting dissolved oxygen probes to calculate respiration and photosynthesis
- Dissolved inorganic carbon analyzer – Apollo SciTech Model AS-C3 LI-7000 CO₂/H₂O Analyzer
- Ex-situ coral spawning for Florida Keys species
- Coral restoration care for boulder and branching corals
- CTD oceanographic sampling
- Laboratory free-flow sea table care for invertebrates and fishes of the Pacific Northwest
- Data Analysis and Computer Skills
 - ARCGIS
 - R Statistics
 - ImageJ
 - General Microsoft Office programs
- Design Skills
 - Adobe Illustrator
 - Adobe Lightroom
 - Canva Design
- CPR and First Aid certified