

Olivia Marie Cavalluzzi

(she/her)

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Education

B.S., 2023 **University of Washington**, Seattle, WA
Environmental Science and Terrestrial Resource Management,
concentration in Wildlife Conservation Biology
Departmental Honors, College Honors, Interdisciplinary Honors,
Cum Laude
Minor in Quantitative Science
Relevant coursework in Gender, Women, Sexuality Studies
High School, 2019 **Bainbridge High School**, Bainbridge Island, WA.

Publications

Kreling, S. E. S., Reese, E. M., **Cavalluzzi, O. M.**, Bozzi, N. B., Messinger, R., Schell, C. J., Long, R. A., & Prugh, L. R. (2024). City divided: Unveiling family ties and genetic structuring of coyotes in Seattle. *Molecular Ecology*, e17427–e17427.

In Press

Kreling, S. E. S., Reese, E. M., **Cavalluzzi, O. M.**, Renouard, A., Hentati, Y., Long, R. A., Prugh, L. R. (2026). Urbanization drives patterns of resource partitioning among coyotes. *Evolution and Ecology*

In preparation

Cavalluzzi, O. M., Cunningham, C., Windell, B., Prugh, L. R. Avian Scavenger Succession at Ungulate Carcasses in Washington State

Cavalluzzi, O. M.*, Kreling, S. E. S.*, A Survey of Barred Owl Diet around Seattle, Washington

Reum, J., **Cavalluzzi, O. M.**, Dill, K. C., Hibpshman, R. E., Katzman, A., Osborne, K. Spatial Variation and Temporal Coherency in NE Pacific Walleye Pollock Diets

**denotes co-first authorship*

Academic Employment

2026- present *Research Assistant, NOAA Affiliated University of Washington Employee*, Seattle, WA

Collecting, analyzing, and interpreting groundfish diet data to characterize trophic interactions and predator-prey dynamics within the marine Alaska ecosystems. Conducting month-long at-sea collection and research in the Bering Sea. Development of comprehensive food habits data through laboratory analysis, field sampling, and data organization to support the management of commercially important species and to monitor climate-related population trends. Includes taxonomic identification, research cruises, publication preparation, specimen collection in collaboration with the Burke Museum, development of dichotomous keys, exploring new field research technologies, and community outreach and lab tours for elementary aged children through adults.

2020- 2023 *Prugh Genetics Lab Technician and Field Researcher, University of Washington*, Seattle, WA
Conducted roadkill necropsies at the Burke Museum, Next-Generation Sequencing library preparation, pipette work, DNA extraction, PCR, scat transects, and general lab practices in a sterile environment. Trained volunteers and ran the lab in the manager's absence.

Non-Academic Employment

2025 *Hatchery Technician, Washington Department of Fish and Wildlife*, Ravensdale, WA
Spawned 3,500 adult sockeye by hand, producing over 5 million fertilized eggs. Monitored adult sockeye health prior to spawning. Collaborated with Seattle Public Utilities to operate the Landsburg Dam fish ladder, including collecting data on endangered Chinook presence and transferring sockeye to hatchery grounds. Conducted bio-sampling, including taking over 6,000 otoliths and recording health data. Cared for egg health in kitoi boxes and picked egg loss by hand. Participated in nutrient cycling by returning deceased adult salmon to the Cedar River. Completed in-house reports, managed heavy and manual machinery, and safely handled hazardous chemicals.

2025 *Education Coordinator, SHADOW Lake Nature Preserve*, Renton, WA
Created an environmental education program, including 30+ lesson plans for Pre-K through adulthood focusing on environmental equity and following Next-Generation Science Standards. Created a fully equipped Education Center. Educated 2,000+ K-12 students about PNW wildlife and ecology. Managed an Americorps service member. Created and installed interpretive signs for the trail system. Collaborated with Woodland Park Zoo Amphibian Monitoring Program and Urban Carnivore Program. Created a timeline mural of the area's natural history.

2024 *Salmon Conservation Educator, Sound Salmon Solutions*, Mukilteo, WA

Educated over 5,000 K-12 students about salmon and local ecology. Created and taught engaging scientific lessons following Next-Generation Science Standards. Collaborated with tribes, school districts, businesses, nonprofits, and Snoqualmie Juvenile Court to promote salmon conservation and education. Participated in community events across the state.

2023- 2024 *Naturalist/Art Naturalist, **Birds Connect Seattle*** (formerly Seattle Audubon), Seattle, WA
 Developed and implemented equity-based PNW wildlife curriculum for youth grades PreK-5. Developed curriculum for birds, insects, mammals, nature art, marine ecosystems, forests, and wetlands. Mentored and supervised high school students in environmental education, early childhood education, and early career development. Educated over 500 students.

Funding and Awards

2023	Richard D. Taber Wildlife Science Endowed Student Support Fund, \$500
2023	Honors Undergraduate Scholar Award, \$2,659
2022	Mary Gates Endowment for Students Research Scholarship, \$5,000
2022	Honors Undergraduate Scholar Award, \$3,628
2021	Mary Gates Endowment for Students Research Scholarship, \$5,000
2021	University of Washington School of Environmental and Forest Sciences scholarship recipient, \$6,000
2020	University of Washington School of Environmental and Forest Sciences scholarship recipient, \$5,000
2020 – 2021	University of Washington Interdisciplinary Honors scholarship recipient, \$3,791
2019	Dani Elenga scholarship recipient, \$5,000
2019	Bainbridge Island Rotary scholarship recipient, \$4,750
2019	Bainbridge Island Kiwanis Club scholarship recipient, \$2,000
2019	Bainbridge Island Sportsman Club scholarship recipient, \$2,500

Honors

2019 – 2023	Annual School of Environmental and Forest Sciences Dean's List
2019 – 2023	Quarterly University of Washington School of Environmental and Forest Sciences Dean's List (Autumn 2019 through Spring 2023)

Guest Lectures

2023	Queer Ecology , ESRM 150, Instructor: Samantha Kreling, University of Washington, Seattle, WA Guest lecture on the field of queer ecology and case studies into species defying heteronormative reproduction
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- 2021 **Introduction to Undergraduate Research**, ESRM 150, Instructor: Samantha Kreling, University of Washington, Seattle, WA
Guest lecture on my research experience and how to join research as an undergraduate

Academic Presentations

- 2023 **Avian Scavenger Succession at Ungulate Carcasses in Washington State**, oral presentation, Undergraduate Research Symposium, University of Washington, Seattle, WA
- 2022 **Avian Scavenger Succession at Ungulate Carcasses in Washington State**, poster presentation, Undergraduate Research Symposium, University of Washington, Seattle, WA

Media Features and Research Profiles

Books

- 2026 Research profile conducted by Roberta Kwok included in her book: **Lost in Curiosity: Field Notes from Scientists' Adventures into the Unknown**, <https://www.robertakwok.com/book>

Articles

- 2024 *Barred Owl Diet: Insights from Pellet Analysis in Seattle*, **Birds Connect Seattle**, Pub. March 19, 2024,
<https://birdsconnectsea.org/2024/03/19/barred-owl-diet-insights-from-pellet-analysis-in-seattle-earthcare-northwest/>
- 2022 Mary Gates Research Scholar Profile, **University of Washington**,
<https://expd.uw.edu/mge/scholar-profiles/olivia-cavalluzzi/>

Internships and Service

- 2023 *Scientific Illustrator*, **Hoja Nueva**, Madre de Dios, Peru
Created scientific illustrations of the five wild cat species in Madre de Dios to be used for educational purposes
- 2021 *Spreadsheet Data Management*, **Hoja Nueva**, Madre de Dios, Peru
Managed complex Excel spreadsheets for camera trap data accuracy. Collaborated with international mammologists.
- 2021 *Fundraising Initiator and Coordinator*, **Lengau**, Bainbridge Island, WA
Created and ran an international fundraiser to support the purchase of new field laptops, waterproof laptop cases, and several months of wages for South African wildlife researchers.
- 2021 *Herpetology Muralist*, **Book-it Nook**, Poulsbo, WA

Painted a mural demonstrating the snake lifecycle and growth to contribute to wildlife education by the request of Book-it Nook

2019 – 2023 *Washington Predator-Prey Project Research Intern, **Washington Predator-Prey Project**, Seattle, WA*

Analyzed camera trap photos via Timelapse 2 and digital drop box organization

2018 *Field Intern, **Hoja Nueva**, Madre De Dios, Perú*

Conducted camera trapping, wildlife rehabilitation, surveyed vegetation plots, experimental farming, consensual outreach with local communities, biochar, flora and fauna identification, wildlife handling

2017 *Field Intern, **Lajuma**, Soutpansberg Mountain Range, South Africa*

Conducted camera trapping, processed images, conducted vegetation surveys, visual encounter surveys, snare removal, invasive species removal, consensual outreach with local communities, and education in wildlife conservation, flora and fauna identification

Community Engagement & Outreach

2025 *Career Day Speaker, **Tahoma High School**, Tahoma, WA*

Career Day speaker for 9-12 grade students exploring future career options and internships in wildlife and general environmental fields.

2025 *Guest Presenter, **Storming the Sound with Salmon**, Federal Way, WA*

Developed and ran a hands-on simulation about the effects of stormwater runoff on salmon for over 400 6th grade students

2025 *Guest Demonstration, **Sawyer Woods Elementary**, Black Diamond, WA*

Developed and ran a hands-on guest demonstration on amphibian skin permeability for K-5 students for a local STEAM night

2024 *Career Panelist, **Edmonds-Woodway High School**, Edmonds, WA*

Lectured on my pathway in wildlife science and provided insight into environmental careers for IB Environmental Science Students. Part of a career panel Q&A for students.

2024 *Guest Storytime Reader, **Mukilteo Library**, Mukilteo, WA*

Developed and ran a guest story time for ages PreK-2 on salmon ecology in the PNW

2024 *Guest Salmon Educator, **Girl Scouts of Edmonds**, Edmonds, WA*

Guest presenter and demonstrator for Girl Scouts World Thinking Day, educating ages PreK-4 on salmon ecology in the PNW

2024 *Salmon Ecology Presenter, **Tulalip Tribes**, Tulalip, WA*

Guest presenter for the Tulalip Tribes Earth Day Celebration, presented on salmon ecology and habitat restoration.

2024 *Guest Demonstrator, **Mukilteo Elementary**, Mukilteo, WA*
Developed and ran a hands-on guest demonstration on salmon ecology for K-5 students for a local STEAM night

2024 *Guest Demonstrator, **Edmonds School District**, Edmonds, WA*
Developed and ran a hands-on guest demonstration on salmon ecology for K-5 students for a local STEAM night

Business

2023- present **The Artful Biologist**
Owner of The Artful Biologist, wildlife art business. Using wildlife art to connect with and educate the local community in a new and engaging way. Profits from art sales contribute to the continuation of my research, community engagement, and materials.

Other Experiences & Skills

Software: RStudio, ArcGIS, Timelapse2, Microsoft Suite, Google Suite, Canva

Active Certifications: Coast Guard CPR/First Aid for babies, children and adults; Coast Guard Cold Water Survival; Red Cross CPR/First Aid/Medical Emergencies for babies, children, and adults