

CLAIRE J. VAAGE

Graduate Student | University of Washington | School of Aquatic and Fishery Sciences
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EDUCATION

M.S.	University of Washington , Seattle, WA Aquatic and Fishery Sciences, Data Science <i>Quantifying interactions between multiple nonnative species and impacts to a native salmonid.</i> Advisor: Dr. Julian Olden	Expected Spring 2025
B.A.	Boise State University, Honors College , Boise, ID Environmental Studies, Biology Minor <i>Top Ten Scholar, Magna Cum Laude 3.9</i>	May 2022
Study Abroad	University of Agder , Kristiansand, Norway Outdoor Education program centered on the Norwegian ideal <i>Friluftsliv</i> (free-air living) and becoming a <i>Veileder</i> (way-leader).	Spring 2021

ACADEMIC & PROFESSIONAL EXPERIENCE

Fall 2022 – Present	M.S. Graduate Research Assistant , Aquatic and Fishery Sciences Program University of Washington, Seattle, WA
Summer 2022	Fisheries Technician , Eagle Fish Genetics Lab Pacific States Marine Fisheries Commission, Eagle, ID
Spring 2022	Research Aid , Idaho Salmon Survey Boise State University, Boise, ID
2021 – 2022	Research Fellow , Higher Education Research Council Idaho State Board of Education, Boise State University, Boise, ID
Summer 2020	Andrus Scholar , Andrus Center for Public Policy Bureau of Land Management, Boise, ID
Summer 2020	Rangeland Technician , Department of Animal and Rangeland Sciences Oregon State University – Extension, Ontario, OR
Summer 2018	Hutton Scholar , American Fisheries Society Idaho Department of Fish and Game, Nampa, ID

PEER-REVIEWED PUBLICATIONS

1. Vaage C., Olden J., Heinrichs J., Lawler J. (2024). *Modeling temperature dependent relationships between two nonnative species in an open riverine system.* Manuscript in preparation.

PROFESSIONAL PRESENTATIONS

Invited Talks

Vaage C. *Helping or Hindering: Multi-species Invasion Dynamics.* Presented at the Rivers, Watersheds, and Communities Symposium, Pullman, WA, United States, May 2024.

Oral Presentations

Vaage C., Olden JD, Heinrichs J, Lawler J. *Density-driven interactions between two invaders with implications for endangered salmon.* Presented at the Ecological Society of America Annual Meeting, Portland, OR, United States, August 2023.

- Vaage C**, Olden JD. *Towards a better understanding of invasive crayfish impacts on salmonids*. Presented at the Western Division of the American Fisheries Society Annual Meeting, Boise, ID, United States, March 2023.
- Vaage C**. *Two invaders, one salmonid: understanding the dynamics of the John Day River Basin*. Presented at Water Day at University of Washington, Seattle, WA, United States, May 2023.
- Vaage C**, Caughlin T, Bergstrom A. *Combining a topographic model and land cover classification to enable targeted restoration of riparian vegetation in semi-arid watersheds*. Presented at the Graduate Student Symposium, Seattle, WA, United States, November 2022.
- Vaage C**, Caughlin T, Bergstrom A. *Delineating riparian vegetation using remotely sensed data: a variable width model from the Boise foothills*. Presented at the Undergraduate Research Showcase, Boise, ID, United States, April 2022.
Mapping the Oases of the High Desert. Boise State University; Boise, ID. April 2022.
- Vaage C**, Caughlin T, Bergstrom A. *Mapping riparian corridors with aerial lidar and high-resolution remotely sensed data: a variable width approach for sagebrush steppe ecosystems*. Presented at the International Association for Landscape Ecology Annual Meeting, online, April 2022.
- Vaage C**, Caughlin T. *Using aerial lidar and remotely sensed data to map riparian corridors: a variable width approach*. Poster presentation delivered at the Idaho NSF EPSCoR GEM3 Annual Meeting, online, December 2021.

HONORS AND AWARDS

- 2024 Eugene Maughan Graduate Student Scholarship**, Western Division of the American Fisheries Society (\$2,500)
- 2024 DEIJ and Community Service Recognition Award, University of Washington (\$500)
- 2024 Travel Award, Fisheries Interdisciplinary Network of Students (\$1,200)
- 2023 Graduate Student Presentation Award, The Graduate School, University of Washington (\$300)
- 2022 Top Ten Scholar, Boise State University**
- 2022 School of Public Service Student Marshal, Boise State University
- 2021 Higher Education Research Council Fellow**, Boise State University (\$3,000)
- 2021 Langroise Honors Scholarship (\$5,000)
- 2020 Andrus Scholar Award**, Andrus Center for Public Policy, Boise State University (\$6,000)
- 2020 Robert & Brenda Atkinson Award (\$1,000)
- 2020 Global Learning Opportunities Scholarship (\$1,000)
- 2019 Idaho Opportunity Scholarship (\$15,000)
- 2018 Boise State Dean's Scholarship (\$4,000)
- 2018 Boise State Capital Scholar (\$2,000)
- 2018 Hutton Scholar Award**, American Fisheries Society (\$4,000)
- 2018 S.T.A.R. Scholar, Philanthropic Education Organization (\$2,500)

LEADERSHIP

- 2024 – Present **President**, American Fisheries Society Student Subunit
University of Washington, Seattle, WA
- 2023 – Present **Lesson Committee Co-Lead**, Students Explore Aquatic Sciences
University of Washington, Seattle, WA
- 2023 – Present **Social Chair**, Fisheries Interdisciplinary Network of Students
University of Washington, Seattle, WA
- Spring 2022 **Dean's Leadership Fellow**, Boise State Honors College
Boise State University, Boise, ID
- 2020 – 2021 **President**, Young Democrats
- 2019 – 2020 **Vice President**, Young Democrats
Boise State University, Boise, ID

2020 – 2021	President , Honors House Osprey Council Boise State University, Boise, ID
2019 – 2020	Social Representative (2018 – 2019), Service Representative (2019 – 2020) Environmental Studies Intern , Preservation Idaho The Idaho Historic Preservation Council, Boise, ID
Spring 2019	Community Outreach Coordinator , Boise State Experiential Learning Zero Waste Boise Institute, Boise, ID

SKILLS AND TRAINING

National Science Foundation, **Future Rivers Student Trainee**
 COMPASS Science Communication Training: Storytelling
 Justice, Equity, Diversity, Inclusion: Mentorship
 Risk Communication
 Working with Native Communities

University of Agder, **Outdoor Education**
 Learned the fundamentals of teaching, recreating, and guiding through mountainous, forested, and coastal regions. Established practical and theoretical skills of group dynamics and survival.

PROFESSIONAL ACTIVITIES

Reviewing

Reviewer, Ecology of Freshwater Fishes
Application Reviewer, American Fisheries Society Hutton Program

Membership

American Fisheries Society: 2018, 2022 – 2024
 Ecological Society of America: 2021 – 2023

MENTORSHIP AND SERVICE

Student Mentoring

Future Rivers Program, National Science Foundation & UW Earth Lab
 2023 – 2024: *Amirah Casey, Gabriella Commisso*
 Hollings Scholar Fellowship, National Oceanic and Atmospheric Administration
 2022: *Annabel Wade, Owen Knight*
 2023: *Callie Murakami, Elise Soper*

Community Involvement

- Conducted community outreach through the University of Washington's Students Explore Aquatic Sciences program by constructing and giving lessons about Pacific salmon to elementary students. October 2022 – Present, Seattle, WA
- Volunteered with the Department of Geosciences to explain geological processes to elementary students throughout Boise during STEM education and outreach nights. January - March 2020, Boise, ID
- Acquired community action funding through Thrivent Action Teams to enable the Boise State Young Democrats to fill and send boxes of holiday gifts through Operation Christmas Child. November 2019, Boise, ID
- Coordinated and participated in a service project with the Idaho Department of Fish and Game and student volunteers to plant sagebrush seedlings in post-fire habitat. November 2019, Robie Creek, ID
- Performed water quality sampling, anesthetize fish, and keep records of measured weight and length of captive broodstock of sockeye salmon at the Idaho Department of Fish and Game's Eagle Fish Hatchery. June - August 2017, Eagle, ID