

BARBARA BEVACQUA

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REFERENCES AND FULL CV AVAILABLE
UPON REQUEST

PERSONAL PROFILE

I am an animated, friendly and experienced scientist. With expertise in a variety of scientific settings, I seek to holistically approach how science is carried out and shared with the community, ultimately to protect people and the environment from hazards.

EDUCATION AND SCHOLARSHIP

B.S in Biology | June 2020

Emphasis in Ecology, Evolution and Organismal Biology
Western Washington University,
Cum Laude, 3.94 Overall G.P.A

NOAA Hollings Scholar - 2018-2020

Marine Science Scholar - 2016-2018

WWU WUE Scholarship - 2016-2020

CONFERENCES

Presenting on fish abundance and sound:

NOAA Symposium

Silver Spring MD, Aug 2019

Aquaculture America

Honolulu HI, Feb. 2020

Presenting on plants and permafrost:

Arctic Workshop

Stockholm Sweden, Apr. 2019

Toolik All Scientists Meeting

Portland OR, Feb. 2019

LTER All Scientists Meeting

Asilomar CA, Sep. 2018

3rd place in Undergraduate poster contest

MAJOR EXPERIENCES

Algae Technician

Clam Fresh Enterprises, Squaxin Tribe (2023 - present)

Dave Schupert, Shelton WA

Responsible for overseeing the continuous microalgae bag system that feeds hatchery shellfish. Includes sterile inoculation and cultivation of algae cultures, pump/facility maintenance and collaborative troubleshooting when cultures fail to grow.

Puget SoundCorps (AmeriCorps)

Dept. of Natural Resources - Aquatic Reserves (2022)

Samantha Linhardt, Olympia WA

Provide baseline and trend monitoring data of nearshore habitats and species within the state-designated Aquatic Reserves. I led the revamping of the Forage Fish project and Newsletter, and collaborate with a team to do a variety of projects including seagrass net, water quality, and amphibian surveys in the reserves. I often interface with community stewardship partners to meet program needs.

DNA Production - Sub Cloning

Blue Heron Biotech - Eurofins (2021)

Nora Linderorth, Bothell WA

Sub-cloning DNA as a step in the complex gene manufacturing process. I used molecular biology techniques such as: restriction enzyme digests, PCR, gel electrophoresis, DNA purification, and robot troubleshooting.

Field Technician - Forestry

Resilient Forestry (2020)

Dr. Sean Jeranimo, Miles LeFevre; Washington State

Field Work/ Surveying to support forestry consulting needs. I followed and interpreted varied protocols in dynamic outdoor circumstances, and adapted to different projects and conditions. Experience in: Navigating forest roads, GPS/Radios, stand evaluation, using laser rangefinders, hiking off trail with heavy gear.

Research Technician - Water Quality

Institute of Watershed Studies WWU (2017 - 2020)

Michael Hilles, Dr. Robin Mathews; Western Washington University

Water quality monitoring of Lake Whatcom and its tributaries, including field sampling and analyzing samples in an aquatic chemistry laboratory. Parameters: Chlorophyll, dissolved Oxygen, pH, Alkalinity, Conductivity, Temperature, Total Nitrogen and Phosphorus, Total Suspended Solids.

NOAA Hollings Internship - Underwater Sound

NOAA NMFS NEFSC Milford Laboratory (2019)

Renee Mercaldo-Allen, Dr. Julie Rose; Milford Laboratory GoPro team.

I played a leading role in an investigation into anthropogenic sound and fish habitat quality associated with aquaculture infrastructure in Long Island Sound. This included coding underwater video footage, field work off of a 49-ft vessel, data processing, interpretation and presentation.

SKILLS AND LICENSES

- **WA Unrestricted Drivers License**
- **WA Safe Boater Education Card**
- **HAZWOPER (40hrs) Certified**
- Field work in rough conditions
- Trailering and operating boats
- Fish handling and identification
- CPR/First Aid
- Technical Writing
- Extensive knowledge of Biology
- Research and data handling
- Classical and Robust Statistics
- Rstudio / Linux / ArcGIS
- Science Communication
- Children supervision/management
- Classroom presentation
- Microscopy / Pipetting
- SOP's / QA and QC

SUPPLEMENTAL EXPERIENCES

STEM Outreach - (2016-2018)

WWU Shannon Point Marine Center
2016-18 Marine Science Teacher - KNOW
2016 Anacortes Salmon Festival
2017 Girls in Engineering Math & Science Fair
2016 and 2017 WWU Compass to Campus

NASA GLOBE Climate Change in my Community Workshop (2018)

International Arctic Research Center, Fairbanks AK

Student Research, Maggot Speciation (2018)

Schwarz Lab, WWU Biology department

Laboratory Assistant, Algae (2017)

Dr. Van Alstyne, Shannon Point Marine Center

Speaker, Tedx Youth @ Punahou (2015)

Punahou School, Honolulu HI