



Curriculum Vitae

Jennings Herrera Leavell

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Education

2023-Present

Idaho State University, Pocatello, ID

- Degree: Master of Science in Geology
- Advisor: Dr. Kathleen Lohse
- Research: Phosphorus biogeochemistry in a fire-affected intermittent stream system

2013-2018

Bowdoin College, Brunswick, ME

- Degree: Bachelor of Arts
- Advisors: Dr. Dharni Vasudevan, Dr. Vladimir Douhovnikoff
- Major: Chemistry, Environmental Concentration; Minor: Philosophy

Teaching Experience

2023-Present

**Teaching Assistant, Idaho State University Geosciences
Department, Pocatello, ID**

- Quaternary Global Change Lab (GEOL 4415/5515)
- Evolution of the Earth's Surface Lab (GEOL 3315)
- Fluid Earth Lab (GEOL 2204)
- The Dynamic Earth lecture support/grader (GEOL1101)

2016

Educator, Kieve-Wavus Leadership School, Nobleboro, ME

- Led groups of students, mostly middle school-aged, in team, leadership, emotional intelligence, and outdoor skills building activities.

2015

**Teaching Assistant, Bowdoin College Biology Department, Brunswick,
ME**

- Ecology and Society (BIOL 1056)

Laboratory Experience

2023

**Graduate Research Assistant, Idaho State University Geosciences
Department, Pocatello, ID**

- Worked for NSF RII Track-2 Aquatic Intermittency Effects on Microbiomes in Streams
- Collected stream chemistry, microbiome, and hydrologic samples and data in three Idaho intermittent stream systems, as part of a multidisciplinary team.
- Trained on Lohse Lab soluble reactive phosphorus and total phosphorus quantification methods



2021-2023

**Environmental Instrument Analyst, Chemtech-Ford Laboratories,
Sandy, UT**

- NELAC-accredited quantification of Aroclor PCBs, pesticides, and drinking water semivolatile organic compounds in various matrices by GC-ECD and GC-MS using EPA 8000, 600, and 500 series methods (March 2022-April 2023)
- NELAC-accredited metal quantification by ICP-MS using EPA methods 200.8 and 6020B at American West Analytical Laboratories, acquired by Chemtech-Ford in January 2022 (September 2021-February 2022)
- Data analysis and management via Agilent's Masshunter software and Microsoft Access-based LIMS softwares

2018-2019

Ecotoxicology Intern, Mote Marine Laboratory, Sarasota, FL USA

- Extracted and assisted in quantification of Florida Red Tide (*Karenia brevis*) toxins by HPLC-MS/MS in environmental matrices.
- Lead technician on preliminary Red Tide mitigation study, directly organized and carried out testing of various agents for Red Tide mitigation capacity. (December 2018- May 2019)
- Technician for Florida Healthy Beaches Red Tide monitoring toxin analysis and Mote's Red Tide Aerosol Study
- Wrote R script to QA/QC weather data for Aerosol Study

2013-2017

**Student Researcher, Douhovnikoff Ecological Genetics Lab, Bowdoin
College, Brunswick, ME**

- As lab assistant, learned to extract DNA from tissue and amplify it by PCR for microsatellite analysis (Fall 2013)
- Student researcher through a Bowdoin College Biological Sciences Fellowship to conduct ecological genetics research on two *Salix* species in specific environmental contexts (Summers 2014 and 2015)

Conference Poster Presentation

2015

**Undergraduate student poster, Annual Meeting of the Society of
Wetlands Scientists**

- Title: The Unidirectional Diversity Hypothesis in two *Salix* (willow) species



Outreach

2023

Fort Hall STEM Night

- Represented ISU Geosciences Department, lead outreach activities at Fort Hall Indian Reservation's Shoshone-Bannock Jr./Sr. High Schools's STEM night.

2023-2024

Guest Lecturer, Pocatello High School

- Developed lecture with colleague for two PHS AP Biology sections.

Awards, Grants, and Honors

2024

National Science Foundation/Geological Society of America Graduate Student Geoscience Grant (\$2,500)

Thomas R. Sherwood Scholarship (\$4,426)

Center for Ecology Research and Education Grant (\$4,040)

Jeff Geslin Research Grant (\$1,500)

Spring 2024 ISU Graduate School Travel Grant (\$300)

2018

Danica Loucks Service Award, Bowdoin College

2014-2015

Fellowship in the Life Sciences, Bowdoin College Biology Department

2013

Eagle Scout, Boy Scouts of America, Troop 142, Racine, WI