

JAMIE BEHAN

Portland, ME 04101 USA

Email: Jbehan@gmri.org

Git Hub: <https://github.com/Jamie-Behan>

ArcGIS Pro Map Portfolio: <https://jamiebehan.crevado.com/>

RESEARCH & LABORATORY EXPERIENCE

Gulf of Maine Research Institute - Quantitative Research Associate

Portland, ME

Sept 2021 - Present

- Modeling the performance of fish, fisheries, and fisheries management under scenarios of climate change, fishing, and other drivers of interest.
- Interacting with an interdisciplinary team and engaging with fishery stakeholders.
- Conducting stock assessments, performing literature reviews, and writing project reports and manuscripts.

University of Maine - Graduate Research Assistant

Orono, ME

Aug 2019-May 2021

- Evaluated past and future scale-dependent, nonstationary, environmental effects of American lobster (*Homarus americanus*) spatial distribution and habitat suitability.
- Performed statistical analysis and quantitative modelling using ecological data.
- Assisted in summarizing crustacean stocks and stock statuses in the U.S. for the LENFEST Ocean Program International Crustacean Fisheries Task Force in effort to determine which are at high risk for stock assessment failure due to climate change.

University of Maine - Laboratory Research Assistant

Orono, ME

Oct 2018-Aug 2019

- Processed and weighed northern shrimp eggs, counted northern shrimp eggs under a microscope using Toupview and Image J programs, aged Atlantic cod otoliths, and entered data using Microsoft Excel.

FIELD WORK EXPERIENCE

Save the Bay - Habitat Restoration Volunteer

Seekonk, MA

Aug 2021

- Participating in the Save the Bay “Storm Drain Marking” program where volunteers place markers that say "Don't Dump - Drains To River" onto curbs above storm drains in Seekonk, Massachusetts which drain into the Runnins River, and ultimately, Narragansett Bay.

Penobscot Experimental Forest - Field Technician

Bradley, ME

May-Aug 2018

- Conducted forest mensuration to investigate how different types of silvicultural management affects the diversity of species, growth rate, and density of trees, in that area.
- Learned identification skills for common New England trees.

Waldo County Soil and Water Conservation District – NRCS Earth Team Intern

Belfast, ME

May-June 2017

- Collected in-field GPS data using Garmin GPS systems.
- Used ArcGIS and DNR GPS systems to create maps using the collected data.
- Performed water quality testing and soil sampling, learned basic microscope use, and gained trail building experience.
- Learned identification skills for common New England terrestrial invasive plants.

TEACHING EXPERIENCE

Introduction to Fisheries Science Teaching Assistant, Orono, ME Feb 2021-May 2021
Geographic Information Systems Teaching Assistant, Orono, ME Jan-May 2018

EDUCATION

MS University of Maine, Marine Biology (GPA: 3.95) May 2021
Research Advisor: Dr. Yong Chen

- Thesis title: "Examining Scale-Dependent, Nonstationary Environmental Effects on American Lobster (*Homarus americanus*) Spatial Distribution and Habitat Suitability in a Changing Gulf of Maine".

BS University of Maine, Ecology and Environmental Sciences (GPA: 3.75) May 2019
Concentration in Sustainability, Environmental Policy, and Natural Resource Management
Minored in Sustainable Agriculture

SKILLS & CERTIFICATIONS

- Microsoft Office Suite (Excel, Word, PowerPoint)
- Proficient in Geographic Information Systems programs (ArcGIS Pro, MapInfo, ArcMap)
- Familiar with Garmin and Trimble GPS units
- Extensive experience with R programming language
- Completion of Fishing Vessel Safety Training Program following the USCG 46CFR28.270 guidelines
- CPR/AED/First-Aid certification in accordance with 2020 ECC/ILCOR and AHA guidelines
- Boater education certificate (Student number: 7699326)

PUBLICATIONS

Manuscripts

Behan J, Li B and Chen Y (2021) Examining Scale Dependent Environmental Effects on American Lobster (*Homarus americanus*) Spatial Distribution in a Changing Gulf of Maine. *Front. Mar. Sci.* 8:680541.doi: 10.3389/fmars.2021.680541

HONORS AND AWARDS

James E. Totman Fund Scholarship 2018
Awarded by the University of Maine College of Natural Sciences, Forestry, and Agriculture.

Raymond K. and Veronica Pendleton Award 2017 & 2018
Awarded by the University of Maine for academic merit.

George V. Nauman Scholarship 2017 & 2018
Awarded by the University of Maine School of Economics for academic performance.