

Haley A. Oleynik

PhD Student

Institute for the Oceans and Fisheries, University of British Columbia

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EDUCATION

Colby College, Waterville, Maine, B.A. Biology & Sociology 2015

University of Delaware, Lewes, Delaware, M.S. Marine Science 2020

University of British Columbia, Vancouver, BC, PhD Fisheries Science in progress

RESEARCH EXPERIENCE

PhD Student

Institute for the Oceans and Fisheries University of British Columbia Sept 2020 - Present

Thesis research will include a multifactor, multistock impact analysis of salmon and steelhead fisheries in British Columbia and a retrospective analysis of ecological and socioeconomic conditions in these fisheries

Master's Student

School of Marine Science and Policy University of Delaware Sept 2018 - July 2020

Analyzed data from the Delaware state trawl survey using multivariate statistical methods in R to describe the fish and invertebrate community in Delaware Bay, identify physical drivers of community composition, and evaluate long-term changes in the community

Undergraduate Senior Honors Thesis

Department of Sociology Colby College Sept. 2014 - May 2015

Thesis: *Change and Adaptation in the Maine Lobster Fishing Industry*

Collected and analyzed quantitative and qualitative data to understand the societal impacts of the shifting lobster population and subsequent management on the lobster fishing industry in Maine

Research Intern

CIEE Bonaire Bonaire, Netherland Antilles June 2014 - Aug 2014

Used SCUBA field sampling methods to catch invasive lionfish species, *Pterois*, and observe behavioral patterns to explore the impact lionfish have on juvenile fish populations in Bonaire

Research Intern

Smithsonian Natural History Museum Washington D.C. Jan 2013 - Feb 2013

Curated, identified, and photographed over 50 species of pteropoda to catalogue morphology for research of the genetics, morphology, and biogeographic information of pteropods to better understand ocean connectivity

PROFESSIONAL EXPERIENCE

2021 NOAA Sea Grant John A. Knauss Marine Policy Fellow

National Stock Assessment Program, NOAA Fisheries

Feb 2021 - Feb 2022

Supported the National Stock Assessment Program in the Office of Science and Technology by organizing a technical community, developing the Fisheries Integrated Toolbox, and assisting in research to advance the NOAA stock assessment enterprise

Communications Team Member

Association of the Marine Laboratories of the Caribbean

June 2015 - Present

Assist the Caribbean based nonprofit remotely with member relations, social media campaigns, outreach, and marketing

North Pacific Groundfish Observer

Saltwater Inc. / NOAA Fisheries

June 2016 – Jan 2018

Collected data on catch, bycatch, and fishing effort on board commercial Alaskan fishing vessels to be used by the National Marine Fisheries Service to monitor fish populations, set catch limits, and manage the commercial Alaskan fisheries

PUBLICATIONS

Mathews, J. A., Hale, E. A., Oleynik, H. A., et al. (2022) *Exploring Trends in Abundance of Young-of-the-Year and Age-1 Atlantic Croaker, Black Drum, Spot, and Weakfish in Relation to Salinity, Temperature, and Large-Scale Climatic Signals in a Mid-Atlantic Estuary*. Transactions of the American Fisheries Society, 151(2), 150–171. <https://doi.org/10.1002/TAFS.10332>

Oleynik, H. A. (2020). *Changes in a Mid-Atlantic Estuary: Trends and Drivers of the Fish and Macroinvertebrate Community in Delaware Bay*. <https://udspace.udel.edu/handle/19716/28649>

PRESENTATIONS

“Long-Term Shifts in the Fish and Macroinvertebrate Community in a Mid-Atlantic Estuary” American Fisheries Society Annual Conference 2021

“Changes in a Mid Atlantic Estuary: Long Term Shifts in the Fish and Macroinvertebrate Community in Delaware Bay” NOAA Central Library 2021

“Long-Term Shifts in the Fish and Macroinvertebrate Community in a North American Estuary” World Fisheries Congress 2021

“Changes in a Mid-Atlantic Estuary: Long-Term Trends in Environmental Conditions and Marine Community in Delaware Bay” American Fisheries Society Mid-Atlantic Chapter Meeting 2020

AWARDS

Daiber Fellowship <i>University of Delaware</i>	2019
Women of Promise Award <i>University of Delaware</i>	2019
Okie Fellowship <i>University of Delaware</i>	2018
Dean's List <i>Colby College</i>	2014-2015

OUTREACH AND ENGAGEMENT

<i>REDI Committee</i> Member UBC Institute for the Oceans and Fisheries	2022-present
<i>Society for Women in Marine Science</i> Co-Chair , University of Delaware Chapter	2019-2020
<i>Graduate Student Association</i> Co-Chair , UD School of Marine Science and Policy	2019-2020

SKILLS

Computing

Advanced in R, WinBUGS, Git/GitHub; experience with C++, Stan, Stock Synthesis, Template Model Builder (TMB)

Field & Lab

Small boat operation, random field sampling, otolith collection, shark tagging, marine animal husbandry

Diving

AAUS Scientific Diver, SDI Rescue Diver
