

## Maggie Stoffer (they/them)

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### Education

**San Francisco State University**, San Francisco, CA, Present

Graduate Fellow, Smithsonian Environmental Research Center

Master of Science in Interdisciplinary Marine and Estuarine Sciences, in progress

**Smith College**, Northampton, MA, 2018-2023

- Bachelor of Arts in Biological Sciences (focus area: Biodiversity, Ecology, and Conservation)

### Research Experience

**Senior Capstone Project**, Smith College, advised by Dr. L. David Smith

January 2021-January 2023

- Project titled: “Testing for inducible defenses in two native snail populations who differ in exposure to an invasive crab, *Hemigrapsus sanguineus*”
- Investigated the impacts of novel crab invader, *Hemigrapsus sanguineus*, on native snail prey, *Littorina obtusata*, at the onset of its invasion into the Gulf of Maine
- Managed and led peers in the laboratory and at field sites in Maine and Massachusetts
- Performed all statistical modeling, analyses, and data visualization using R Studio
- Conducted field surveys in Maine and Massachusetts as part of a decades-long data set monitoring invasive and native populations in the Gulf of Maine

**Summer Undergraduate Research Fellowship (SURF)**, Smith College

May 2021-August 2021, May 2022-August 2022

- (2022) Conducted field surveys, three-month long experiment for capstone project, and participated in gut content analysis study of *Hemigrapsus sanguineus*
- (2021) Project examined the biomechanics of shell crushing using video to document the foraging behavior of crabs (crushing vs. peeling vs. chipping vs. winking) and the time spent to gain access to thicker and thinner shelled prey.
- (2021) Assisted master’s student June Arriens with the experimental portion of her thesis determining the critical size of native snail species to escape predation from *Hemigrapsus sanguineus*

**Research Assistant**, Lab of Professor L. David Smith, Smith College

September Fall 2019-May 2021

- Research focused on comparing the foraging behavior of two introduced species of marine crab (European green crab, Asian shore crab) on native (smooth periwinkle) and introduced (common periwinkle) species of intertidal snails and the biomechanics of shell crushing

### Teaching Experience

**Graduate Teaching Assistant**, San Francisco State University

Present

- Instructed students in introductory biology to meet core competencies such as understanding the scientific method and using quantitative reasoning

- Collaborated with fellow graduate students to co-teach classes once a week
- Managed an orderly classroom and laboratory setting

**Resident Substitute Teacher, Oakdale High School, Frederick County Public Schools**

March 2023-June 2023

- Taught lessons in geometry and algebra, communicated with students and parents, and developed robust classroom management policies

**Teaching Assistant-Marine Ecology, Smith College**

September 2022-January 2023

- Assisted professors in teaching ecological skills in both field and laboratory settings
- Guided and mentored students in laboratory techniques, coding in R Studio, scientific writing, and science communication

**Teaching Assistant-Biodiversity, Ecology, and Conservation, Smith College**

January 2022 -May 2022

- Facilitated communication and goal setting with students inside and outside of class to ensure they were meeting deadlines for their semester long research projects.
- Evaluated student lab notebooks twice a week, held office hours, hosted writing and coding workshops
- Assisted with teaching students coding in R Studio
- Conducted field surveys as part of the Mill River Monitoring Project

**Poster Presentations**

“Testing for inducible defenses in snail populations that differ in exposure to an invasive crab”

Maggie Stoffer, L. David Smith- International Conference on Marine Bioinvasions

May 2023

- Presented with First Place Award for Best Overall Student Poster from PeerJ and the Society for the Study of Marine Bioinvasions

**Technical and Communication Skills**

- Four years of experience in data analysis, statistical inference, and data visualization in R
- Editing and giving feedback on both general and scientific writing