

# BAILEY R. ROSS, M.P.S

University of Miami CIMAS, NOAA-AOML Coral Program || Miami, FL 33149

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## EDUCATION

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The Rosenstiel School of Marine, Atmospheric, and Earth Sciences at the University of Miami, Miami FL  
*M.P.S. Marine Biology and Ecology*, December 2022

Clark University, Worcester, MA

*B.S. Environmental Science*, concentration in Earth System Science, Magna Cum Laude, 2021

## PUBLICATIONS

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**Journal article:** *Visual surveys reveal coral growth in mangrove fringe in a subtropical metropolis*

- Bulletin of marine science (2023) (with Kellie Flowers, Paige Golembeski, Richard Karp, and Andrew Baker).  
DOI: <https://doi.org/10.5342/bms.2023.0001>

## PROFESSIONAL EXPERIENCE

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*University of Miami, NOAA Affiliate at the Atlantic Oceanographic and Meteorological Laboratory, Miami, FL*

**Research Associate I with NOAA AOML Coral Program (February 2024-Present)**

- Coordinate with project leads on project planning, finances, timelines, field operations, and experimentation
- Develop and maintain lab safety procedures, operating procedures, and property inventory
- Coordinate database management and lab organization
- Organize permitting and environmental compliance for field research operations

*Davis Environmental Solutions, Miami, FL*

**Environmental Scientist (June 2023-January 2024)**

- Provided environmental consulting services such as environmental permitting, mitigation monitoring, wildlife monitoring, biological assessments, and environmental compliance to a wide array of clients
- Coordinated communication and project management across different agencies to strive toward sustainable project implementation
- Produced biological reports, managed large databases, and created environmental maps and database reviews using Geographic Information Systems (GIS) for all relevant projects

*Florida SeaGrant, University of Florida, Gainesville, FL*

**Biscayne Bay Commission Coordinator (December 2022-June 2023)**

- Coordinated, planned, and strategized the scheduling and implementation of the quarterly Biscayne Bay Commission meetings
- Directly supported the Florida Department of Environmental Protection's (FLDEP) Biscayne Bay Aquatic Preserve via fieldwork assistance, communications, and outreach activities
- Produced summary reports, documentation of Commission meetings, updates to the *Protecting Florida Together* website, and assisted with the development of the Biscayne Bay Strategic Plan

*The Rosenstiel School of Marine, Atmospheric, and Earth Science at The University of Miami, Miami, FL*

**Lab Technician – Hansell Organic Biochemistry Lab – October 2022-December 2022**

- Assisted with ongoing research pertaining to dissolved organic carbon (DOC)
- Organized the procurement and shipping of vials which were used as consensus reference material for DOC material
- Stored, washed, prepared, and analyzed vials for ongoing research and shipments

## **ADDITIONAL PROJECTS**

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*The National Oceanic and Atmospheric Administration (NOAA), Southeast Fisheries Science Center, Miami, Florida*

**Intern, Summer 2022**- Curated an extensive literature review (n=160 studies) in partnership with SEFSC about mangrove-fish field studies under the guidance of Dr. Joseph Serafy. The product of this internship was a written report modeled after a previous publication in 2006 to provide an update on the field of mangrove-fish research.

*Mangrove City, University of Miami*

**Biologist, 2022** – Hired to provide scientific material for an interdisciplinary project, *Mangrove City* that will be available to students in Florida. Students in schools can participate in a virtual reality immersive experience that will educate them on mangroves and climate change.

*The School for Field Studies, Study Abroad, Bocas del Toro, Panama*

**Community Engagement Volunteer, 2020** – Facilitated community engagement activities with local children in Bocas del Toro. Led nature walks, snorkeling tours, and team-building exercises. Conducted all activities using written and verbal Spanish.

## **CONFERENCES**

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Segundo Congreso de Manglares de América, Merida, Mexico (2022)

Benthic Ecology Meeting, Miami, Florida (2023)

Mangrove Macrobenthos and Management Meeting, Cartagena, Colombia (2023)