Caitlin Reisa, M.P.S.

EDUCATION

Master of Professional Science – Marine Conservation August 2020 –
Rosenstiel School of Marine, Atmospheric, and Earth Science December 2021
University of Miami, Miami, FL

- Cumulative GPA: 4.0
- Award of Academic Merit recipient
- Partial-tuition waiver due to academic record and achievements

Bachelor of Science – Marine Sciences August 2017 –
The University of Tampa, Tampa, FL May 2020

- Merit Grant Recipient

Undergraduate Student – Biology August 2015 –
Missouri State University, Springfield, MO May 2017

CURRENT POSITION

Research Associate II
National Oceanic and Atmospheric Administration – University of Miami's cooperative institute (CIMAS) February 2025 – present
Dr. Benjamin Kirtman

- Assisting in observational studies designed to improve our understanding of interannual to multidecadal ocean variability and its influence on climate
- Collaborating closely with scientists, engineers, and technicians at the Rosenstiel School and the Atlantic Oceanographic and Meteorological Laboratory
- Working aboard oceanographic research vessels conducting science using oceanographic instruments such as inverted echo sounders, acoustic releases, acoustic current profilers, and conductivity-temperature-depth systems
- Operating oceanographic laboratory and shop equipment
- Using salinometers, amperometric titration analysis systems, and reagent preparation for titration
- Conducting long term monitoring of the volume transport and seawater parameters in the Straits of Florida, Antilles Current, and Deep Western Boundary Current within the Western Boundary Time Series project

PROFESSIONAL EXPERIENCE

Lab Manager January 2024 –
Kominoski Lab for Ecosystem Ecology – Florida International University February 2025
Dr. John Kominoski

- Managed seven Florida Coastal Everglades Long Term Ecological Research (FCE LTER) mangrove projects while collecting and processing various biological samples from six FCE LTER sites to assess forest structure, forest productivity, nutrient availability, oxygen and sulfide levels, and hurricane impacts using species' identification, preparation for nutrient analysis, sulfide chemistry, spectrophotometer, scales, and grinders
- Ensured smooth transition of mangrove research during changes in supervision
- Provided team leadership and oversight as a technical expert applying in-depth understanding of mangrove research while coordinating with internal and external partners
- Trained lab manager, research technicians, master's students, and PhD students on FCE LTER mangrove related research
- Updated/created protocols, SOPs, field equipment lists, field season calendar, and site maps
- Lead field days as crew chief, implementing safety procedures, trailering, organizing equipment, using GPS, and driving university trucks, scientific marine research vessels, and Jon boat
- Coordinated and scheduled field days, lab processing, and training with members within the lab and other labs
- Trouble shoot and resolved conflicts of unanticipated field day issues including equipment failure, changing weather conditions, and unforeseen events
- Calibrated instruments
- Managed, processed, and published long-term data/datasets
- Assisted in the writing and updating of technical reports
- Managed hazardous waste in compliance with EH&S
- Constructed equipment designed to be deployed in field

Research Technician May 2022 –
Institute of Environment, Florida International University December 2023
Dr. Edward Castaneda

- Collected various biological samples from Everglades' mangroves at 10 sites to assess forest structure, forest productivity, nutrient availability, oxygen and sulfide levels, and hurricane impacts using species' identification, preparation for nutrient analysis, sulfide chemistry, spectrophotometer, scales, and grinders
- Climbed eddy covariance towers to ensure proper maintenance of instruments such as li-7700 and li-7599 and download data
- Trained research technicians, master's students, and PhD students on FCE LTER mangrove related research
- Lead field days as crew chief, implementing safety procedures,

trailering, organizing equipment, using GPS, and driving university trucks, scientific marine research vessels, and Jon boat
- Coordinated and scheduled field days, lab processing, and training with members within the lab and other labs
- Trouble shoot and resolved conflicts of unanticipated field day issues including equipment failure, changing weather conditions, and unforeseen events
- Calibrated instruments
- Managed long-term datasets
- Managed hazardous waste in compliance with EH&S
- Constructed equipment designed to be deployed in field

Naturalist March 2022 –
Marjory Stoneman Douglas Biscayne Nature Center – Theodora Long May 2022

- Prepared and led interactive seagrass and coastal ecology programs for children ages 3-17
- Instructed and supervised participants on squid dissection and organism netting
- Presented informative presentations on seagrass invertebrates and vertebrates
- Tailored presentations dependent on knowledge level of diverse audiences
- Managed a flexible schedule to accommodate ever changing program times and dates
- Oversaw logistical details relating to participants and fees

Marine Scientist May 2021 –
Marine Science Eco Experience – Sherri Paris March 2022

- Led marine science and astronomy informal presentations
- Customized presentations to suit the knowledge level of diverse audiences
- Managed presentations while addressing questions from 40+ participants,including children
- Transported presentation equipment to and from resorts
- Housed and maintained marine invertebrate tank

RESEARCH EXPERIENCE

Intern May 2021 –
Field School, Miami, FL – Dr. Julia Wester & Dr. Catherine Macdonald July 2022

- Wrote a final report and presented a formal oral presentation focused on the impact of the COVID-19 pandemic on wildlife tourism and conservation viewed through a media discourse analysis lens
- Handled extensive details/logistics such as gathering and coding of articles using media discourse analysis
- Set and hauled longlines and drumlines
- Participated in seine netting and angler experience with juvenile

nurse sharks
- Recorded data on elasmobranch species
- Received theoretical practice in gathering and processing biopsies and blood samples from target elasmobranch species

Hands-on Field Experience August 2018 –
The School for Field Studies, South Caicos, TCI – Heidi Hertler December 2018

- Participated in directed research while working in a team of four researchers under the guidance of a PI
- Coauthored a final written report focused on impacts of sargassum on local seagrass beds
- Presented a formal oral presentation with three other researchers on directed research findings
- Filmed, edited, and produced a short film on research findings
- Participated in fieldwork with sea turtles
- Handled extensive details/logistics such as data entry, organization, and field excursions
- Participated in hands-on field exercises in marine ecology, resource management, and environmental policy
- Learned hundreds of reef fish species, coral species, and reef invertebrate species
- Collected data using a variety of methods including but not limited to: fish follows, transects and quadrats, and drone footage

Intern July 5, 2016 –
Sanibel Captiva Conservation Foundation, Sanibel, FL – Eric Milbrandt July 16, 2016

- Measured ocean parameters
- Participated in excursions to inspect local oyster reef conditions
- Collected and organized invertebrate specimens
- Sorted and labeled algae at the species' level

SKILLS AND TECHNIQUES

- Proficient in Microsoft Word, PowerPoint, Excel, ArcGIS, & R-Studio
- Environmental law and policy knowledge
- Media production experience Spring 2021
- Adobe Premiere experience Spring 2021
- Education experience Fall 2020

CERTIFICATIONS AND INVOLVEMENT

- Comprehensive Everglades Restoration Plan (CERP) 2024
- Long-Term Ecological Research (LTER) Network 2022-2024
- Florida Coastal Everglades (FCE) Research 2022-2024
- CPR and First Aid certified Summer 2024
- Society for the Prevention of Cruelty to Animals volunteer Spring 2023
- BoatU.S. Foundation's Online Boating Safety Course certified Spring 2022

- Master of Professional Science RSMAS peer mentor — Fall 2021
- Motorboat Operator Certification Course certified — Summer 2021
- PADI Open Water SCUBA certified — Summer 2020

PUBLICATIONS

Castañeda-Moya, E., J. Kominoski, V. Rivera-Monroy, R. Twilley, **C. Reisa**. 2025. Mangrove Litterfall from the Shark River Slough and Taylor Slough, Everglades National Park (FCE), South Florida, USA, January 2001 - ongoing. Environmental Data Initiative. https://doi.org/10.6073/pasta/f08c48dcdc89e4a331dd9250286325d5.

Kominoski, J., E. Castañeda-Moya, V. Rivera-Monroy, and **C. Reisa**. 2024. Water Levels and Porewater Temperature data from the Shark River and Taylor River Slough mangrove sites, Everglades National Park (FCE LTER), South Florida, USA: May 2001 - ongoing ver 14. Environmental Data Initiative. https://doi.org/DOI_PLACE_HOLDER (Accessed 2025-01-14).

Kominoski, J., E. Castañeda-Moya, V. Rivera-Monroy, **C. Reisa**. 2024. Abiotic monitoring of physical characteristics in porewaters and surface waters of mangrove forests from the Shark River Slough and Taylor Slough, Everglades National Park (FCE LTER), South Florida, USA, December 2000 - ongoing. Environmental Data Initiative. https://doi.org/10.6073/pasta/b9d055c62f0c838bbdc172f11a814995.

Kominoski, J., E. Castañeda-Moya, **C. Reisa**. 2024. Mangrove Leaf Litter Carbon and Nutrients from the Shark River Slough, Everglades National Park (FCE), South Florida, USA, January 2019 - ongoing. Environmental Data Initiative. https://doi.org/10.6073/pasta/6218d6f516e1c865984ebd485eb31b69.

Kominoski, J., E. Castañeda-Moya, V. Rivera-Monroy, R. Twilley, **C. Reisa.** 2024. Monitoring of nutrient and sulfide concentrations in porewaters of mangrove forests from the Shark River Slough and Taylor Slough, Everglades National Park (FCE LTER), Florida, USA, December 2000 - ongoing. Environmental Data Initiative. https://doi.org/10.6073/pasta/89a09e66fb3fcd8fc063e5d148d760ea.

Castañeda-Moya, E., **C. Reisa**, V. Lundsten. 2024. Root productivity of riverine and scrub mangroves from the Shark River Slough and Taylor Slough, Everglades National Park (FCE LTER), Florida, USA, March 2024 - ongoing. Environmental Data Initiative. https://doi.org/10.6073/pasta/54c48567c1d853a8bcd6719d1833f77f.

PAPERS/PRESENTATIONS/VIDEOS

C. Reisa. Media Discourse Analysis of the COVID-19 Pandemic Impacts on Wildlife Tourism and Conservation**.** — Fall 2022

- Master of Professional Science report and oral presentation at Rosenstiel School and Marine, Atmospheric, and Earth Sciences

C Reisa. Conspirasea. — Spring 2021

- Short documentary directed, produced, and edited by myself that

addressed the valuable information and inaccuracies in the Netflix documentary, Seaspiracy

A. Darmochwal, B. Insoft, B. McKeon, and **C. Reisa.** Fertilizer Runoff Effects on Oyster Specific Metabolic Rate — Spring 2019

- CNHS undergraduate research symposium at The University of Tampa

C. Reisa and E. Sylvia. Balanoglossus: The acorn worm. — Fall 2019

- Short film at The University of Tampa

C. Reisa and E. Walker. *Sargassum* spp. effect on near-shore seagrass beds in South Caicos, Turks and Caicos Islands. — Fall 2018

- Directed research report, oral presentation, and short film at The School for Field Studies