SHANNON DUNNIGAN KIMMEL

shannon.d.kimmel@gmail.com · Github · LinkedIn · ResearchGate

Environmental researcher with 7+ years experience managing a long-term monitoring program with reporting staff. Experience working with large datasets, data management, building interactive datavisualizations and websites through R Markdown and Quarto, data analysis, and reporting. Areas of expertise include R programming with tidyverse, environmental data management/evaluation, coastal habitat ecology, coastal fisheries, and higher education.

EDUCATION

University of North Florida   Jacksonville, FL
Master of Science: Biology

Florida State University   Tallahassee, FL
Bachelor of Science: Biological Science

SKILLS

Languages and Tools - R, Git, PRIMER-e, `tidyverse`, Adobe InDesign, Microsoft Office
Industry Knowledge - Data visualization, data analysis, environmental science, environmental monitoring, ecology, fisheries, time management, research, higher education, field work and coordination
Interpersonal Skills - Team coordination, leadership, public speaking, communication, project management

EXPERIENCE

GTM Research Reserve   Apr 2017-*Present*
System-Wide Monitoring Program Manager   Ponte Vedra Beach, FL

Position contracted through the University of North Florida as Coordinator of Research Program Services.

While in this position:

- created and maintained the GTMNERR GitHub organization;
- developed workflows with GitHub for report writing within team;
- led and developed 5 workshops on R programming and tidyverse for environmental scientists, one of which was at an international conference.
- served as Data Manager on a NERRS Science Collaborative Project with 13 participating reserves;
- helped to bring a part-time technician position up to full-time within the program;
- designed GTM Research Reserve 20-Year Anniversary Guide;
- served as a "technical expert" within the National Estuarine Research Reserve System;

Duties include:

- **creating dynamic reports using R (RMarkdown, Quarto, and tidyverse) for dissemination**;
- managing two direct staff members as well as regular interns and volunteers;
- deploying and maintaining long-term monitoring equipment and infrastructure for water quality and emergent vegetation;
- maintaining boats and trucks for field work;
- trailering and launching boats;
- performing rigorous quality assurance and quality control for collected data;
- coordinating and performing monthly water sample collection for nutrient analyses;
- assisting other staff and researchers with reserve projects.

University of North Florida   Jan 2016-Dec 2021
Adjunct Instructor, Department of Biology   Jacksonville, FL

Taught laboratory sections of Principles of Biology (non-major biology), General Biology 1, General Biology 2, Ichthyology, and Advanced Ichthyology (graduate)

Florida Department of Environmental Protection   Nov 2015-Apr 2016
Environmental Scientist I   Ponte Vedra Beach, FL

Served as the Oyster Condition Assessment Field Technician with the Northeast Florida Aquatic Preserves for an oyster monitoring project in northeast Florida. Duties included:

- scheduling and logistics for sampling intertidal oyster reefs in northeast Florida from the St. Mary's River to the south Matanzas River (covering Nassau, Duval, St. Johns, and Flagler counties);
- lead and train volunteers on oyster reef sampling methods
- data entry, verification, and analysis for reporting;
- boating and trailering.

SYNERGISTIC ACTIVITIES

- **Administrator, GTMNERR GitHub Organization**
- **Data Manager, NERRS Science Collaborative Catalyst Project: "Refining Techniques for High- Frequency Monitoring of Chlorophyll in the NERRS", 2020-2022**
- **Board Member, Program Chair, Southeastern Estuarine Research Society 2020-2022**
- Formal Student Mentoring, Internship Program GTMNERR
- Member, Oyster and Water Quality Task Force of the GTM
- Member, State of the Reserve Planning Committee, GTMNERR 2018-2019
- Past Member, Student Promotions Committee, Southeastern Estuarine Research Society
- Board Member, Student Representative, Southeastern Estuarine Research Society 2015-2017