

Emelia Marshall, MS
 Coastal Ecologist
 The Water Institute
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EDUCATION

University of Southern Mississippi	Hattiesburg, MS	Coastal Sciences	MS, 2021
Louisiana State University	Baton Rouge, LA	Coastal Environmental Science	BS, 2016

RESEARCH INTERESTS

Coastal restoration monitoring, benthic invertebrates, marsh vegetation and SAV, living shorelines.

PROFESSIONAL EXPERIENCE

The Water Institute	Coastal Ecologist	2024–Present
Dauphin Island Sea Lab	Lab Manager, Marine Ecology Lab	2021–2024
The University of Southern Mississippi	Graduate Assistant	2018–2021
Virginia Institute of Marine Science	Lab & Research Specialist I	2018
Dauphin Island Sea Lab	Ecology & Diversity Lab Intern	2017–2018

PROFESSIONAL SOCIETY MEMBERSHIPS

- Gulf Estuarine Research Society, 2019–Present
- Coastal & Estuarine Research Federation, 2018–Present

AWARDS AND HONORS

- Southern Association of Marine Laboratories Travel Award, 2020
- Gulf Estuarine Research Society Student Travel Award Recipient, 2019

COMMUNITY SERVICE

Discovery Day, Dauphin Island, AL	Dauphin Island Sea Lab	2023
Alabama Deep Sea Fishing Rodeo	Dauphin Island Sea Lab	2023

TRAINING COURSES

- Certified Motorboat Operator (MOCC) – Accreditation Agency: Dauphin Island Sea Lab, DOI, 2022
- FAA Part 106 Remote Pilot Certified, 2021

NOTABLE PROJECTS

Research Associate/Monitoring the Effects of Coastal Wetland Restoration on Fish and Invertebrates—Monitoring and Adaptive Management Activity Current

Implementation Plan: Phase 1

The Water Institute, National Oceanic and Atmospheric Administration

The Water Institute, in close collaboration with NOAA Restoration Center, is working to identify appropriate reference ranges and restoration targets for nektonic fish and invertebrate species utilizing wetlands, coastal, and nearshore habitat restoration projects based on Louisiana Department of Wildlife and Fisheries (LDWF) Fisheries Independent Monitoring Program (FIMP) data. This work also includes development of a three-year fixed area data collection plan for Barataria and Terrebonne basin.

Research Associate/Monitoring and Assessment of the Upper Barataria Large-Scale Marsh Creation Restoration Project: Phase 2 Current

The Water Institute, National Oceanic and Atmospheric Administration

The Water Institute, in close collaboration with NOAA Restoration Center, is working to implement and report on ecological monitoring for a 1,190 acre marsh creation project in Barataria Basin. This project involved data collection activities and synthesis reporting on project performance.

Research Associate/Lower Trophic Level Monitoring for Barataria Basin: Phase 2.1 Current **Planning Phase**

The Water Institute, National Oceanic and Atmospheric Administration

The Water Institute, in close collaboration with NOAA Restoration Center, the U.S. Geological Survey, and many academic partners, is working to plan for the implementation of a large-scale data collection effort in Barataria Basin. The Water Institute is leading the development of a monitoring implementation plan to provide a framework for managing all the elements of multi-partner field campaigns and subsequent data collection efforts.

PUBLISHED WORKS

Conference Proceedings and Presentations

Marshall, E., Darnell, M.Z., Biber, P. (2023). *Evaluating marsh restoration success in coastal Mississippi*. [Oral presentation]. Coastal Estuarine Research Federation.