



ERIN KISKADDON, MS

Research Scientist

Erin Kiskaddon is a member of the Coastal Ecology Department at The Water Institute and specializes in a diverse array of topics related to coastal ecology, with specific emphasis in benthic invertebrates; data collection, analysis, and interpretation; technical writing; and project management. Erin received her bachelor's at Whitman College with a concentration in Biology and then graduated from the University of South Florida Tampa with a master's Degree in Biology. Her thesis work focused on trophic ecology of invertebrates in coastal mangrove transition zones. At the Dauphin Island Sea Lab, she studied marine benthic infauna communities and the geophysical properties of marine sediments around Dauphin Island, AL.

COMPANY ROLE

Research Scientist 1

PROJECT ROLE / FOCUS AREAS

Coastal ecology

Project management

EDUCATION

MS Biology, University
of South Florida, 2017

BS Biology, Whitman
College, 2013

PROFESSIONAL MEMBERSHIP

GAQM Professional in
Project Management

NAUII Open Water
Dive Certification

PROFESSIONAL EXPERIENCE

2020-Present: Research Scientist, The Water Institute

2019-2020: Research Associate, The Water Institute

2019-2020: Research Scientist, The Water Institute

2019: Lab Manager, Dauphin Island Sea Lab

2016-2019: Laboratory Technician and Project Manager, Dauphin Island Sea Lab

2014-2016: Research Assistant, Laboratory Instructor, Teaching Assistant,
University of South Florida

2013-2014: Research Intern, Bodega Bay Marine Lab



SELECTED PROJECTS

Louisiana Adaptive Management. *Louisiana Coastal Protection and Restoration Authority and Louisiana Trustee Implementation Group (2019-present). Project Manager.* Over a period of four years, the Louisiana Trustee Implementation Group (LA TIG) synthesized the past and current monitoring and adaptive management (MAM) efforts and developed a vision for the future in the Louisiana Adaptive Management Status and Improvement Report: Vision and Recommendations. To implement the vision, the consensus MAM needs were identified by all Trustees of the LA TIG, through development of SMART objectives, in the LA TIG Monitoring and Adaptive Management Strategy. Work is ongoing with Trustees to develop a Lessons Learned Database.

Developing a Plan to Assess Lower Trophic Levels of the Barataria Estuary. *National Oceanic and Atmospheric Association, Louisiana State University, University of Louisiana Lafayette, Dynamic Solutions (2021-2022). Project Manager & Technical Lead.* The objective of this project is to assist NOAA in designing a lower trophic level baseline inventory and monitoring protocol to support restoration of resources injured by the Deepwater Horizon oil spill in Louisiana.

SELECTED PUBLICATIONS

1. **Gadeken K, E Kiskaddon, JM Moore, K Dorgan.** 2022. The weird and wonderful world of worms. *Frontiers for Young Minds. Biodiversity.* <https://doi.org/10.3389/frym.2022.902248>.
2. Lee KM, GR Venegas, MS Ballard, KM Dorgan, **E Kiskaddon**, AR McNeese, RS Wilson. 2022. Impacts of infauna, worm tubes, and shell hash on sediment acoustic variability and deviation from the viscous grain shearing model. *Journal of the Acoustical Society of America.* <https://doi.org/10.1121/10.0014907>.
3. **Kiskaddon E**, H. Bienn, SA Hemmerling, S Dalyander, A Grismore, J Parfait, MD Miner, C Cameron, TE Hopkins, Y Allen, D Jones-Farrand, M Martin, BE Tirpak, M Green, K Rhinehart, TJB Carruthers. 2022. Supporting habitat restoration in the northern Gulf of Mexico through synthesis of data on multiple and interacting benefits and stressors. *Journal of Environmental Management.* 318: 115589. <https://doi.org/10.1016/j.envman.2022.115589>.
4. **Kiskaddon E**, K Gadeken, SK Berke, S Bell, JM Moore, KM Dorgan. 2022. Oil disturbance reduces infaunal family richness but does not affect phylogenetic diversity. *Frontiers in Environmental Science.* <https://doi.org/10.3389/fenvs.2022.950493>.
5. Berke SK, K Dorgan, **E Kiskaddon**, SS Bell, KJ Gadeken, WC Clemo, E Keller, T Caffray. 2022. Shallow infaunal responses to the Deepwater Horizon event: implications for studying future oil spills. *Frontiers in Environmental Science.* <https://doi.org/10.3389/fenvs.2022.950458>.
6. Carruthers TJB, **E Kiskaddon**, MM Baustian, KM Darnell, LC Moss, CL Perry, C Stagg. 2021. Tradeoffs in habitat value to maximize natural resource benefits from coastal restoration in a rapidly eroding wetland: is monitoring land area sufficient? *Restoration Ecology* e13564. <https://doi.org/10.1111/rec.13564>
7. La Peyre MK, S Sable, C Taylor, KS Watkins, **E Kiskaddon**, M Baustian. 2021. Effects of sample gear on estuarine nekton assemblage assessments and food web model simulations. *Ecological Indicators* 133: 108404. <https://doi.org/10.1016/j.ecolind.2021.108404>
8. Dorgan KM, RP Parker, W Ballentine, SK Berke, **E Kiskaddon**, K Gadeken, E. Weldin, WC Clemo, T Caffray, S Budai, S Bell. 2020. Investigating the sublethal effects of oil exposure on infaunal behavior, bioturbation, and sediment oxygen consumption. *Marine Ecology Progress Series* 635: 9-24. <https://doi.org/10.3354/meps13215>
9. Dorgan KM, W Ballentine, G Lockridge, **E Kiskaddon**, MS Ballard, KM Lee, PS Wilson. 2020. Impacts of simulated infaunal activities on acoustic wave propagation in marine sediments. *The Journal of the Acoustical Society of America* 147: 812. <https://doi.org/10.1121/10.0000558>
10. **Kiskaddon E**, Chernicky K, Bell S. 2019. Resource use by and trophic variability of *Armases cinereum* (Crustacea, Brachyura) across human-impacted mangrove transition zones. *PLOS ONE* 14(2): e0212448. <https://doi.org/10.1371/journal.pone.0212448>