

Charles W. Martin, Ph.D.

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CURRICULUM VITAE

EDUCATION AND EXPERIENCE

2023-Present	Assistant Professor, University of South Alabama Stokes School of Marine & Environmental Sciences Senior Marine Scientist I, Dauphin Island Sea Lab
2024-Present	Graduate Program Coordinator, Marine Conservation and Resource Management MS degree; University of South Alabama
2016-2022	Research Assistant Professor, University of Florida/IFAS Nature Coast Biological Station (9-month state-funded faculty)
2014-2016	Senior Postdoctoral Research Associate, Louisiana State University Department of Oceanography and Coastal Sciences
2012-2014	Postdoctoral Research Associate, Louisiana State University Department of Oceanography and Coastal Sciences
2011- 2012	Adjunct Faculty/Teaching Associate, Coastal Carolina University Department of Biology
2010- 2011	Postdoctoral Research Scientist, Dauphin Island Sea Lab Marine Conservation Lab
2010	Ph.D.: Marine Science, University of South Alabama <i>Dissertation Title: "The impacts of invasive Eurasian milfoil (<i>Myriophyllum spicatum</i>) and Nile tilapia (<i>Oreochromis niloticus</i>) in Coastal Alabama"</i> <i>Advisor: John F. Valentine, Ph.D.</i>
2004	B.S.: Biology (minor: Chemistry), University of South Alabama Magna Cum Laude

CAREER INTERESTS

- Active interest in field ecology/biology in marine, estuarine, and freshwater environments, specifically:
 - a. Ecological effects of anthropogenic disturbances in aquatic ecosystems, such as altered salinity/hydrology, contamination events, and other episodic disruptions
 - b. The ecology of invasive species, including factors influencing biogeographic spread and impacts
 - c. Food webs, particularly as it relates to predator-prey interactions of commercially, recreationally, and ecologically important species
 - d. Plant-animal interactions, including habitat associations, trophic ecology, and refuge use

Extramural Funding

In Review

\$68,213	Lead PI (all dollars listed): Gulf of Mexico Alliance (2024-2025). "Salinity alteration in Gulf of Mexico estuaries: addressing information gaps with fine-scale monitoring to improve water resource management"
\$304,211	Lead PI (all dollars listed): US Environmental Protection Agency, Restore America's Estuaries (2025-2027). "Informing restoration planning of <i>Vallisneria</i> spp. in Alabama Coastal Rivers through genetic diversity identification"
\$393,431	Lead PI (all dollars listed): USGS Climate Adaptation Science Center (2025-2027). "Climate-driven expansion of invasive species: exploring the role of altered hydrology and climatic factors in facilitating species range expansions"
\$274,040	Lead PI (USA/DISL dollars listed): National Science Foundation (2025-2027). "Climate change impacts on coastal Alabama marine fauna sex determination"
\$243,319	Lead PI (all dollars listed): National Science Foundation (2025-2027). "EPSCoR Research Fellows: NSF: Building a predictive food web model for coastal Alabama to strengthen resilience to future disturbances"
\$1,500,000	Co-PI (all dollars listed): NASA (2026-2029). "Submerged aquatic vegetation enhancement on the Alabama Coast (SAVEAC)"
\$89,878	Lead PI (all dollars listed): Florida Sea Grant (2026-2027). "Clam-seagrass coordinated network experiment site lead – Martin"

Awarded

\$48,348	Lead PI (all dollars listed): Pensacola and Perdido Bays and Estuaries Program (2024-2025). "Coastal rivers as unrecognized winter fish habitat: quantifying oligohaline habitat use in Pensacola and Perdido Bays"
\$90,000	Lead PI (USA dollars listed): NOAA (via Alabama Department of Conservation and Natural Resources) (2025-2026). "Coastal riparian structure database development"
\$10,000	Lead PI (all dollars listed): Florida Fish and Wildlife Research Institute Florida Springs Institute (2025-2026). "Investigating submerged aquatic vegetation macroinvertebrate communities in Florida springs"
\$179,886	Lead PI (all dollars listed): NOAA Restore (2025-2027). "Enhancing hydrologic connectivity in Justin's Bay (Mobile Bay)"
\$116,384	Lead PI (all dollars listed): NOAA (via Alabama Department of Conservation and Natural Resources) (2024-2026). "Support for climate resilience training and education at the Weeks Bay Reserve - internships"
\$104,800	Lead PI (all dollars listed): NOAA (via Alabama Department of Conservation and Natural Resources) (2024-2026). "Support for coastal resilience through restoration and resilience - internships"
\$80,282	Co-PI (all dollars listed): Alabama Department of Conservation & Natural Resources (2025). "Oligohaline habitat use of juvenile southern flounder in Alabama coastal waters: 2025"
\$182,620	Lead PI (all dollars listed): Alabama Department of Transportation (2024-2026). "Submerged aquatic vegetation mitigation plan: bridge replacement on SR-16 (US-90) westbound over the Tensaw-Spanish River"
\$1,488,000	Co-PI (all dollars listed): NOAA (2024-2027). "Characterizing socio-environmental conditions at public access sites"

\$5,367,000	Co-PI (all dollars listed): Gulf States Marine Fisheries Commission (2020-2027). "North central Gulf of Mexico, integrated multi-trophic aquaculture (IMTA) demonstration, research, training, and outreach"
\$149,889	Lead PI (all dollars listed): Alabama Center of Excellence (2024-2026). "Eavesdropping on soundscapes: advancing fisheries and habitat monitoring using emerging technologies"
\$86,940	Co-PI (all dollars listed): Alabama Department of Conservation and Natural Resources (2024-2025). "Habitat associations and population assessment of southern flounder in Alabama coastal waters: 2024"
\$180,000	Lead PI (all dollars listed): United States Geological Survey (2024-2026). "Hitchhikers on plants: relationships between non-native species and plant complexity"
\$43,943	Co-PI (USA/DISL dollars listed): Climate Adaptation Science Center (2021-2024) "Planning for a fresher future: implications of river management practices on salt marsh restoration projects in coastal Louisiana"
\$150,000	Lead PI (USA/DISL dollars listed): United States Geological Survey (2024-2026) "National invasive plant horizon scan"
\$225,123	UF Lead PI (only USA/DISL dollars listed): NOAA RESTORE Act Science Program (2017-2024) "Linking community and food-web approaches to restoration: an ecological assessment of created and natural marshes influenced by river diversions"
\$15,967	Co-PI (USA/DISL dollars listed): Northern Gulf Institute (2022-2024) "Supplemental – Linking community and food-web approaches to restoration: an ecological assessment of created and natural marshes influenced by river diversions"
\$60,319	Lead PI (all dollars listed): Southwest Florida Water Management District (2021-2024) "Kings Bay/Crystal River Common Snook movement patterns associated with thermal refuge"
\$258,238	Co-PI (UF dollars listed): Suwannee River Water Management District (2022-2024) "Evaluation of thermal refuge habitat for snook in springs of the Suwannee River Basin"
\$20,313	Co-PI (USA/DISL dollars listed): Northern Gulf Institute (2022-2023) "Supplemental - Gulf-wide assessment of habitat use and habitat-specific production estimates of nekton in turtlegrass"
\$34,205	Lead PI (all dollars listed): US Fish and Wildlife Service (2021-2022) "Gap analysis for invasive species pathways"
\$4,893	Lead PI (all dollars listed): Florida Sea Grant (2021-2022) "Optimizing shoreline restorations: preliminary data collection on marsh flooding conditions to assess optimal conditions for fish and invertebrate habitat use"
\$37,078	UF Co-PI (only UF dollars listed): Fish and Wildlife Foundation of Florida (2020-2022) "Evaluation of thermal refuge habitat for fish in springs of the lower Suwannee River"
\$25,800	UF Lead PI (all dollars listed): Duke Energy Foundation Grants Program (2020-2022) "Movement patterns of the tropical sportfish Common Snook in subtropical areas: enhancing conservation and education along Florida's Big Bend"
\$384,733	Co-PI (only UF dollars listed): US Environmental Protection Agency Gulf of Mexico Program (2019-2023) "Enhancing shoreline habitat to increase resilience and raise awareness about sustainable erosion control options in Florida's central Gulf Coast"
\$39,942	UF Lead PI (only UF dollars listed): NOAA RESTORE Act Science Program (2018-2020) "Hurricane Michael impacts on Gulf of Mexico seagrass ecosystems"
\$725,695	Co-PI (only UF dollars listed): St. Johns River Water Management District (2018-2021) "Revegetating Lake Apopka using an adaptive restoration strategy"
\$238,987	Co-PI (only UF dollars listed): National Science Foundation (2018-2020) "A seawater system for enhancing Nature Coast Biological Station's research and education programs"

\$166,414	UF Lead PI (only UF dollars listed): Gulf of Mexico Research Initiative RFP-VI (2018-2020) “Oil spills as stressors in coastal marshes: the legacy and the future”
\$200,961	UF Lead PI (only UF dollars listed): NOAA RESTORE Act Science Program (2017-2020) “Gulf-wide assessment of habitat use and habitat-specific production estimates of nekton in turtlegrass”
\$68,210	UF Lead PI (only UF dollars listed): Gulf of Mexico Research Initiative RFP-IV (2015-2017) “Alabama Center for Ecological Resilience (ACER) Consortium”
\$163,009	Subaward (only CM dollars listed): Gulf of Mexico Research Initiative RFP-IV (2015-2018) “Coastal Waters Consortium”
\$74,261	Co-PI (total funding listed): FishAmerica (2012-2014) “Grand Strand Community Restoration of Tidal Swash Estuaries”
\$14,998	Lead-PI (total funding listed): BP Gulf Research Initiative Small Grant for Exploratory Research (2011-2012) “Impacts of Deepwater Horizon Oil Spill on Coastal Waterfowl”
\$165,416	Co-PI (total funding listed): NGI Gulf Research Initiative (2011-2012) “Impacts of the Deepwater Horizon Accident on food web structure in the north-central Gulf of Mexico”

PEER REVIEWED PUBLICATIONS

Key:

Contact author(s) = underline

Self = bold

Graduate student I supervise = G

Graduate student under other supervision = g

Undergraduate student I supervise = UG

Undergraduate student under other supervision = ug

Postdoctoral researcher/professional staff I supervise = P

Postdoctoral researcher/professional staff under other direction = p

In Revision, In Review, and Final Stages of In Prep

Loesser, K.^G, J. Olin, P. Lopez-Duarte, **C.W. Martin**, B. Roberts, A. Stahl, M. Polito. In Revision. Nekton food webs mediate energy transfers within created and reference coastal marsh landscapes. *Ecosphere*.

Rhoades, O.K.^P, C. Munson, C. Patrick, W.L. Wied, A.H. Altieri, A.M. McDonald^P, S.C. Barry, E. Bethel, J.G. Douglass, B. Gaffey, T. Gruninger^G, V.J. Jenkins, S. Jones, S., **C.W. Martin**, I. Martinez Lopez, O. O'Shea, V. Paul, L. Reynolds, L. Rodriguez Bravo, J.D. Selwyn, B. van Tussenbroek, J.C. Campbell. In Revision. Mesopredator composition and activity suppresses herbivory across spatial scales. *Ecological Monographs*.

Gandee, S.^G, **C.W. Martin**, J. Patterson, S. Barry. In Revision. Using a long-term, high-frequency dataset to evaluate fish and macroinvertebrate community response to tropical cyclones. *PeerJ*.

De Barros, M.^G, **C.W. Martin**, J. Grabowski, R. Baker. In Revision. Quantifying diets using Bayesian inference: comparing juvenile fish diets among restored seascapes. *Fisheries Research*.

Martin, C.W., A. McDonald^P, K. O'Shaughnessy^P. In Review. Population-level variation in gulf killfish *Fundulus grandis* behavioral response to a widespread contaminant. *Frontiers in Marine Science*.

Hendrickson, Z.^G, A. McDonald^P, K. O'Shaughnessy^P, **C.W. Martin**. In Review. Expansion of Common Snook *Centropomus undecimalis* in the northern Gulf of Mexico: evidence for a novel sportfish in Coastal Alabama. *Estuaries and Coasts*.

Searles, A.^G, **C.W. Martin**, L.K. Reynolds. In Revision. Incorporating hydrogen in stable isotope analyses to improve the ability to track decomposition in marine macrophytes. *Hydrobiologia*.

- Alford, S.B.^G, M. Polito, P. Lopez-Duarte, A. McDonald^P, J. Olin, B. Roberts, **C.W. Martin**. In Review. Spatially limited influence of a Mississippi River freshwater diversion in coastal Louisiana (USA). *Restoration Ecology*.
- Vrolijk, S.^{UG}, K. O'Shaughnessy^P, Z. Hendrickson^G, B. Kiley^G, A. McDonald^P, A. Reimer^G, S. Robertson^G, S. Smith^G, E. Sullivan^{UG}, **C.W. Martin**. In Revision. Comparative analysis of nekton and epifaunal community assemblages among edge and interior of invasive and native submerged aquatic vegetation species. *Gulf and Caribbean Research*.
- Martin, C.W.**, S. Alford^G, A. Looby^G, A. McDonald^P, K. Loesser^G, P. Lopez-Duarte, J. Olin, M. Polito. In Prep. Day-night comparisons of off-marsh nekton communities across a salinity gradient. *Estuaries and Coasts*.
- Martin, C.W.**, A. Searles^G, S. Alford^G, Z. Hendrickson^G, A. Looby^G, A. McDonald^P, K. Williams^U. In Prep. Offshore seagrass beds support unique faunal communities. *Scientific Reports*.
- Sullivan, E.^{UG}, A. McDonald^P, K. O'Shaughnessy^P, B. Kiley^G, A. Reimer^G, S. Vrolijk^{UG}, T. Faurie^G, **C.W. Martin**. In Prep. Evaluating dredge spoil deposition on *Vallisneria americana*. *Wetlands*.
- Valentine, J.F., S.B. Alford^G, **C.W. Martin**. In Prep. Impacts of omnivore identity and richness and intraguild predation on the stability of coastal food webs: evidence from mesocosm manipulations of a realistic northern Gulf of Mexico food web module. *Marine Ecology Progress Series*.
- Alford, S.B.^G, H.E. Harris^P, D.D. Chagaris, M.S. Allen, **C.W. Martin**. In Prep. Watershed modification effects on coastal ecosystems: a synthesis from selected Gulf of Mexico estuaries. *Environmental Management*.
- Looby, A.^G, N.A. Funicelli, L.K. Reynolds, **C.W. Martin**. In Prep. Promoting effective communication regarding marine protected areas. *Fisheries*.
- Noble, A.^G, K. Davis^{UG}, **C.W. Martin**, B. Roberts. In Prep. Trap priority effects create biases in assessments of marsh fish assemblages. *PeerJ*.
- Gruninger, T.^G, L.K. Reynolds, **C.W. Martin**, S.C. Barry. In Prep. Impacts of propellor scars: from sediment texture to fish behavior. *Southeastern Naturalist*.
- T. Funk^B, K. O'Shaughnessy^P, **C.W. Martin**, K. Walters. In Prep. Effects of variable salinity regimes on nekton recruitment to newly created intertidal oyster reefs. *Estuaries and Coasts*.
- J. Roth^P, A. McDonald^P, S. Barry, K. Darnell, B. Furman, **C.W. Martin**, L. Reynolds. In Prep. Investigating barriers to seagrass recruitment via sexual reproduction in differing environments. *Ecosphere*.

Published

92. Looby, A.^G, M. Holloway, E. Lim, K. Murchy, L. Reynolds, **C. W. Martin**, I. Cote, F. Juanes, K. Cox. In Press. Effects of seagrass-mediated noise pollution reduction on fish communities, behaviors, and communication spaces. *Effects of Noise on Aquatic Life*.
91. Looby, A.^G, E. Lim, K.A. Murchy, L. Reynolds, **C. W. Martin**, I. Cote, F. Juanes, K. Cox. (2026) Habitat-mediated noise pollution reduction in seagrass meadows. *Marine Pollution Bulletin* 222: 118784. DOI: 10.1016/j.marpolbul.2025.118784
90. Looby, A.^G, S. Vela, A. Rice, A. Riera, S. Bravo, H. Davies, K. Murchy, R. Rountree, L. Reynolds, **C. W. Martin**, F. Juanes, K. Cox. (2025) FishSounds Versions 2 & 3: achieving the largest global database of fish sound production. *Global Ecology and Biogeography* 34(11): e70149. DOI: 10.1111/geb.70149
89. O'Shaughnessy, K.A.^P, W. Daniel, Z. Hendrickson^G, S. Smith^G, A. McDonald^P, **C.W. Martin**. (2025) Invasive hitchhiking organisms on aquarium plants: an emerging pathway of introduction. *Management of Biological Invasions* 16.
88. Bijak, A.^G, A. Smyth, S.C. Barry, **C.W. Martin**, C. Spengler^{UG}, L. Reynolds (2025) Seagrass species identity drives leaf litter decomposition across a naturally occurring phosphorus gradient. *Estuaries and Coasts* 48(5): 1-12. DOI: 10.1007/s12237-025-01566-5

87. Searles, A.^G, D.H. Adams, L.M. Hall, L.J. Morris, **C.W. Martin**, L.K. Reynolds. (2025) Tropicalization interacts with other human stressors to mediate the diets of expanding and resident herbivores. *Estuaries and Coasts* 48(4): 1-12. DOI: 10.1007/s12237-025-01555-8
86. Hayes, C.T.^B, S.B. Alford^G, B.A. Belgrad^P, K.M. Correia^B, M.Z. Darnell, K.S. Dillon, B.T. Furman, M.O. Hall, **C.W. Martin**, A. McDonald, D.L. Smee, K.M. Darnell. (2025) Regional variability in stable isotope values ($\delta^{13}\text{C}$ & $\delta^{15}\text{N}$) within *Thalassia testudinum*-dominated communities across the northern Gulf of Mexico. *Estuaries and Coasts* 48(4): 101. DOI: 10.1007/s12237-025-01540-1
85. Klinges, D.^{UG}, **C.W. Martin**, B. Roberts. (2025) Habitat preferences of the marsh periwinkle *Littoraria irrorata*: evidence from Louisiana salt marshes and laboratory experiments. *PeerJ* 13: e19071. DOI: 10.7717/peerj.19071
84. Smulders, F.^B, J. Campbell, A.H. Altieri, E.S. Bakker, S. Tatiana Becker, J.G. Douglass, A.R. Armitage, S.C. Barry, E. Bethel, J. van Duijnhoven, J.de Fouw, R. Glazner, J.A. Goeke, G. Gort, K.L. Heck, O.A. Kramer, I. van de Leemput, **C.W. Martin**, I.G. Martinez Lopez, A.M. McDonald^P, S.A. Manuel, C.J. Munson, O. O'Shea, V.J. Paul, L.K. Reynolds, O.K. Rhoades, L.M. Rodriguez Bravo, A. Sang, Y. Sawall, K. Smith, J. Thompson, B.I. van Tussenbroek, W.L. Wied, M.J.A. Christianen. (2025) Temperature and herbivory drive spatial variation in seagrass recovery across the tropical western Atlantic. *Global Change Biology* 31(4): e70172. DOI: 10.1111/gcb.70172
83. Walters, E.^B, C.E. Crowley, R.L. Gandy, **C.W. Martin**, C.P. Shae, D.C. Behringer. (2025) Estimating discard mortality in Florida's blue crab *Callinectes sapidus* fishery using reflex impairment, injuries, and salinity. *Marine and Coastal Fisheries* 17(1): vtac001. DOI: 10.1093/mcfafs/vtac001
82. Hendrickson, Z.^G, W. Daniel, **C.W. Martin**. (2025) Identifying gaps in regulatory prevention measures for nonindigenous aquatic species in the United States. *Management of Biological Invasions* 16(2): 313-339. DOI: 10.3391/mbi.2025.16.2.01
81. Darras, K., R. Rountree, S. Van Wilgenburg, L. Dong, **C.W. Martin**, et al. (2025) Worldwide soundscape ecology patterns across realms. *Nature Ecology and Evolution*. 34(5):e70021. DOI: 10.1111/geb.70021
80. Hall, M.^{UG}, K. O'Shaughnessy^P, B. Kiley^G, A. McDonad^P, T. Faurie^G, Z. Hendrickson^G, A. Reimer^G, S. Smith^G, **C.W. Martin**. (2024) Benthic and epibenthic invertebrate assemblages associated with estuarine submerged aquatic vegetation differ between native and invasive plants. *Gulf and Caribbean Research* 35(1): SC25-SC30. DOI: 10.18785/gcr3501.18
79. Trevathan-Trickett, S.^P, S. Kepfer Rojas, M. Malerba, P. Macreadie, I. Djukic, ...**C.W. Martin**, et al. (2024) Climate effects on belowground decomposition depend on ecosystem and organic matter types in global wetlands. *Environmental Science and Technology* 58(49): 21589-21603. DOI: 10.1021/acsest.4c02116
78. Alford, S.B.^G, S. Husband^U, **C.W. Martin** (2024) Resilience of estuarine fish predator-prey interactions to environmental changes and changes in predator diversity. *Journal of Experimental Marine Biology and Ecology* 580: 152053. DOI: 10.1016/j.jembe.2024.152053
77. Looby, A.^G, **C.W. Martin**, L.K. Reynolds (2024) Gulf Toadfish (*Opsanus beta*) boatwhistle calls—a prevalent acoustic cue with passive acoustic monitoring applications. *Estuaries and Coasts* 47(8): 2510-2523. DOI: 10.1007/s12237-024-01410-2
76. Lawrence, C.^{UG}, D. Byron, **C.W. Martin** (2024) Light and salinity effects on *Vallisneria americana* seed germination and seedling growth. *Gulf and Caribbean Research* 35(1): SC7-11. DOI: 10.18785/gcr.3501.07
75. Looby, A.^G, L.K. Reynolds, A.M. McDonald, S. Barry, M. Clark, **C.W. Martin** (2024) Intertidal soundscapes of hardened and living shorelines: a case study of habitat enhancement. *Aquatic Conservation: Marine and Freshwater Ecosystems* 34(3): e4118. DOI: 10.1002/aqc.4118
74. Ugarelli, K.^G, J. Campbell, O. Rhoades^P, C. Munson, A. Altieri, J. Douglass, K. Heck, V. Paul, S. Barry, L. Christ, J.W. Fourqurean, T. Frazer, S. Linhardt, **C.W. Martin**, A. McDonald^P, V. Main, S. Manuel, C. Marco-Mendez, L. Reynolds, A. Rodriguez, L. Rodriguez Bravo, Y. Sawall, K. Smith, W.

- Wied, C.J. Choi, U. Stingl (2024) Microbiomes of *Thalassia testudinum* throughout the Atlantic Ocean, Caribbean Sea, and Gulf of Mexico are influenced by site, sediment type, and region while maintaining a core microbiome. *Frontiers in Microbiology* 15: 1357797. DOI: 10.3389/fmicb.2024.1357797
73. Campbell, J.C., O. Rhoades^P, C. Munson, A. Altieri, J. Douglass, K. Heck, V. Paul, A. Armitage, S. Barry, E. Bethel, L. Christ, M. Christianen, G. Dodillet, K. Dutton, J. Fourqurean, T. Frazer, B. Gaffey, R. Glazner, J. Goeke, R. Grana-Valdes, V. Jenkins, O. Kramer, S. Linhardt, **C.W. Martin**, I. Martinez-Lopez, A. McDonald^P, V. Main, S. Manuel, C. Marco-Mendez, D. O'Brian, O. O'Shea, C. Patrick, C. Peabody, L. Reynolds, A. Rodriguez, L. Rodriguez Bravo, A. Sang, Y. Sawall, K. Smith, F. Smulders, U. Sun, J. Thompson, B. van Tussenbroek, W. Wied (2024) Herbivore effects increase with latitude across a foundational seagrass: Implications for the tropicalization of the Western Atlantic. *Nature Ecology and Evolution* 8(4): 663-675. DOI: 10.1038/s41559-024-02336-5
 72. Cox, K.^P, A. Looby^G, S. Vela, A. Riera, H.L. Davies^G, R. Rountree, B. Spriel, L.K. Reynolds, **C.W. Martin**, S. Matwin, F. Juanes. (2024) FishSounds version 1.1: Data archive, user experience, and online resources. *The Effects of Noise on Aquatic Life: Principles and Practical Considerations*.
 71. Lewis, K., R.R. Christian, J. Link, **C.W. Martin**, K. Allen^G, A.M. McDonald^P, V. Roberts^G, M. Schaffer^G, J.F. Valentine. (2024) An iterative analysis of ecosystem response to disturbances in the coastal zone: a case study of the Deepwater Horizon oil spill. *Treatise on Estuarine and Coastal Science, 2nd edition*. DOI: 10.1016/B978-0-323-90798-9.00092-5
 70. Rohal, C.^P, C. Adams, **C.W. Martin**, S. Tevlin, L.K. Reynolds (2024) Seed bank germination of subtropical *Vallisneria americana*. *Aquatic Botany* 190: 103721. DOI: 10.1016/j.aquabot.2023.103721
 69. Keppeler, F.W.^P, A. Engel, L.M. Hooper-Bui, P.C. Lopez-Duarte, **C.W. Martin**, J.A. Olin, M.J. Polito, N.N. Rabalais, E.M. Swenson, O.P. Jensen (2024) Coastal wetland restoration through the lens of Odum's theory of ecosystem development. *Restoration Ecology* 2024: e14072. DOI: 10.1111/rec.14072
 68. Looby, A.^G, K. Cox^P, S. Bravo^{UG}, R. Rountree, F. Juanes, A. Riera, S. Vela, H.L. Davies^G, L.K. Reynolds, **C.W. Martin**. (2024) Fish sound production research: historical practices and ongoing challenges. *Effects of Noise on Aquatic Life: Principles and Practical Considerations*.
 67. Correia, K.M.^G, S.B. Alford^G, B.A. Belgrad^P, K.M. Darnell, M.Z. Darnell, B.T. Furman, M.O. Hall, C.T. Hayes, **C.W. Martin**, A. McDonald^P, D.L. Smee. (2024) Hurricane effects on seagrass and associated nekton communities in the northern Gulf of Mexico. *Estuaries and Coasts* 47:162-175. DOI: 10.1007/s12237-023-01276-w
 66. Looby, A.^G, C. Erbe, S. Bravo^{UG}, K. Cox^P, H.L. Davies^G, L. Di Iorio, Y. Jezequel, F. Juanes, **C.W. Martin**, T.A. Mooney, C. Radford, L.K. Reynolds, A.N. Rice, A. Riera, R. Rountree, B. Spriel, J. Stanley, S. Vela, M. Parsons (2023) Global inventory of species categorized by known underwater sonifery. *Scientific Data* 10(1): 892. DOI: 10.1038/s41597-023-02745-4
 65. Looby, A.^G, S. Bravo^{UG}, F. Juanes, R. Rountree, A. Riera, H.L. Davies^G, B. Spriel, S. Vela, L.K. Reynolds, **C.W. Martin**, K. Cox^P (2023) The importance of context in the acoustic behaviors of marine, subtropical fish species. *The Journal of the Acoustical Society of America* 154(5): 3252-3258. DOI: 10.1121/10.0022412
 64. Oken, K., K. Able, K. de Mutsert, F.J. Fodrie, P.C. Lopez-Duarte, **C.W. Martin**, M.J. McCann, P. Neubauer, J. Olin, M.J. Polito, B.J. Roberts, O.P. Jensen (2023) Fishery closures, more than predator release, increased resilience of nearshore fishes and invertebrates to the Deepwater Horizon oil spill. *Estuaries and Coasts* 46(7): 1907-1922. DOI: 10.1007/s12237-023-01246-2
 63. Walker, J.E.^G, C. Angelini, A.H. Altieri, **C.W. Martin**, T.Z. Osborne (2023) Influence of climate mediated shifts in wetland vegetation on prey fish habitat use and schooling predator avoidance strategies. *Marine Ecology Progress Series* 716: 31-45. DOI: 10.3354/meps14364

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51. Correia, K.M.^g, S.B. Alford^g, B.A. Belgrad^p, K.M. Darnell, M.Z. Darnell, B.T. Furman, M.O. Hall, C.T. Hayes^g, **C.W. Martin**, A. McDonald^p, D.L. Smee (2022) Drift macroalgae distribution in northern Gulf of Mexico seagrass meadows. *PeerJ* e13855. DOI: 10.7717/peerj.13855
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SUPERVISORY/MENTORING EXPERIENCE

- Postdoctoral Research Advisor:
 - Katie O'Shaughnessy, Dauphin Island Sea Lab, 2023-Present
 - Ashley McDonald, University of Florida, 2018-2022; Project Manager Dauphin Island Sea Lab 2024-Present
- Graduate Advisory Committee Chair/Co-Chair:
 - Aleah Dokter (Ph.D.), University of South Alabama, 2025-Present
 - Sierra Robertson (Ph.D.), University of South Alabama, 2024-Present
 - Samantha Smith (M.S.), University of South Alabama, 2024-Present
 - Taber Faurie (M.S.), University of South Alabama, 2024-Present
 - Wilnessa Foster (Ph.D.), University of South Alabama, 2023-Present

- Bethany Kiley (Ph.D.), University of South Alabama, 2023-Present
- Zoey Hendrickson (Ph.D.), University of South Alabama, 2023-Present
- Anna Reimer (M.S.), University of South Alabama, 2023-2025. “Effects of herbicide on estuarine Eurasian milfoil (*Myriophyllum spicatum*)”
- Adam Searles (Ph.D.), University of Florida, 2020-2025. “Effects of changing foundation species on fauna communities and food webs”
- Audrey Looby (Ph.D.), University of Florida, 2020-2024. “From global to local: fish sound production and coastal soundscape ecology”
- Zoey Hendrickson (M.S.), University of Florida, 2021-2023. “Identifying management gaps of aquatic invasive species for the United States”
- Scott Alford (Ph.D.), University of Florida, 2018-2023. “Salinity effects on Gulf of Mexico estuarine nekton communities”
- Stephanie Winn (M.S.), University of Florida, 2017-2021. “River discharge influence on seagrass-associated nekton communities in the Steinhatchee and Econfina Estuaries, Florida”
- Chelsea Conley (M.S.), University of Florida, 2018-2021. “Lone Cabbage oyster reef restoration: effects of oyster restoration on nekton assemblages in the Big Bend region of Florida”
- John Polasik (M.S.), University of Florida, 2017-2021. “The influence of Big Bend seagrass nurseries on the population dynamics of hogfish in the northeastern Gulf of Mexico”
- Audrey Looby (M.S.), University of Florida, 2018-2020. “Submerged aquatic vegetation for fish habitat improvement: inference from empirical and experimental approaches”
- Graduate Committee Member:
 - Erin Reschke (Ph.D.), University of South Alabama, 2023-Present
 - Jessica Hilliker (Ph.D.), University of South Alabama, 2023-Present
 - Gabriel Davis (Ph.D.), University of South Alabama, 2024-Present
 - Christa Russell (Ph.D.), University of South Alabama, 2023-Present
 - Dorothy Byron (Ph.D.), University of South Alabama, 2023-Present
 - Emory Wellman (Ph.D.), University of Florida, 2021-Present
 - Akela Yuhl (M.S.), University of South Alabama, 2023-2025. “Variation in movement and composition of organic matter in a freshwater-dominated estuary and implications for food webs”
 - Ryan Heines (M.S.), Michigan Tech University, 2022-2024. “Trophic interactions of sympatric Cyprinodontiform fishes inhabiting Louisiana saltmarshes”
 - Matheus Barros (M.S.), University of South Alabama, 2022-2024. “Enhancing fish habitat: alternative ecological metrics to inform living shoreline restoration impacts on nekton”
 - Alex Bijak (Ph.D.), University of Florida, 2019-2024. “Effects of seagrass species diversity on ecosystem stability and biogeochemical functioning”
 - Kate Rose (M.S.), University of Florida, 2019-2022. “The impact of trap confinement on the physiological condition of the Florida stone crab *Menippe mercenaria*”

- Jamila Roth (Ph.D.), University of Florida, 2017-2022. “Effects of environmental change and species richness on seagrass resilience and seagrass-herbivore interactions”
- Erin Walters (M.S.), University of Florida, 2019-2022. “A reflex action mortality predictor (RAMP) method and its application for estimating discard mortality and assessing parasite impacts on commercially fished blue crabs *Callinectes sapidus* in Florida”
- Abigail Scro (M.S.), University of Florida, 2019-2021. “Density and geospatial determinants for the pathobiome of bay scallops *Argopecten irradians* in the northern Gulf of Mexico”
- Julie Walker (Ph.D.), University of Florida, 2018-2021. “Effects of climate change on coastal wetland ecosystems and the implications for their future management”
- Savannah Gandee (M.S.), University of Florida, 2018-2021. “Evaluating habitat use and responses to disturbance by faunal communities across a decade in Clearwater Harbor, Florida”
- Cayla Sullivan (M.S.), University of Florida, 2017-2019. “Understanding the landscape level impacts of increased temperature: the influence of mangrove encroachment on seagrass meadows”
- Theresa Gruninger (M.S.), University of Florida, 2017-2019. “The influence of structure on ecosystem processes among seagrass meadows”
- Emma Pistole (M.S.), University of Florida, 2017-2019. “Pioneer snook: the genetic effects of common snook *Centropomus undecimalis* settling new territory in the Gulf of Mexico”
- Travis Thomas (Ph.D.), University of Florida, 2017-2020. “Habitat requirements, nest predation, and population status of the ornate diamondback terrapin (*Malaclemys terrapin macrospilota*) on coastal islands in the Suwannee River estuary, Florida”
- Riikka I. Puntila (Ph.D.), University of Helsinki, 2011-2016. “Trophic interactions and impacts of non-indigenous species in the Baltic Sea coastal ecosystems”
- Taylor C. Kauffman (M.S.), University of South Alabama, 2012-2015. “Alterations to hydrology exacerbates the negative impacts of an estuarine invasive species”
- Madeleine Gillis (M.S.), Coastal Carolina University, 2012-2016. “Shell repair in *Geukensia demissa* and predation preferences of *Callinectes sapidus*: do crabs target mussels with weakened shells?”
- Thomas Funk (M.S.), Coastal Carolina University, 2014-2017. “Tidal creek and substrate effects on oyster reef associated fish and decapod condition and density”
- Undergraduate Student Research:
 - Seth Graben (University of South Alabama), 2025-Present; USA Honor’s Student
 - Meredith Schultz (University of South Alabama), 2025-Present; USA Honor’s Student
 - Emily Thiel-Goin (University of South Alabama), 2025-Present; USA Honor’s Student
 - Blayton Bernard (University of South Alabama), 2025-Present; USA intern and Gulf Scholars Program
 - Steven Vrolijk (Towson University), 2025 DISL NSF Research Experience for Undergraduates (REU)
 - Edward Sullivan (University of South Alabama), 2025 DISL NSF Research Experience for Undergraduates (REU)

- Ravyn Miller (University of North Alabama), 2025-Present; USA Intern
- Semyra Reus (University of South Alabama), 2024-Present, Gulf Scholars Program and USA Honors College
- Brock Busby (University of South Alabama), 2024-2025, Marine Conservation and Resource Management MS student internship
- Marissa Hall (University of South Alabama), 2024 DISL NSF Research Experience for Undergraduates (REU)
- Kate Rains (University of South Alabama), 2023-2025, Gulf Scholars Program
- Chloe Rich (University of South Alabama), 2024 summer intern
- Kira Daniel (University of North Alabama), 2024 DISL summer intern
- Ari Siegel (University of Florida), 2022-Present UF Intern and 2023 UF Honors thesis advisee
- Chelsea Lawrence (Auburn University), 2023 DISL NSF Research Experience for Undergraduates (REU)
- Kyle Williams (University of Florida), 2022 UF/IFAS NCBS Intern and 2023 Honors thesis advisee (Soil and Water Sciences, University of Florida)
- Katie Everett (University of Florida), 2021 UF/IFAS NCBS Intern
- Shea Husband (University of Florida), 2020 UF Undergraduate Researcher
- Anthony Messina (University of Florida), 2019 UF/IFAS Intern
- Jasmine Schwadron (University of Florida), 2019 UF/IFAS Intern
- Sawyer Downey (University of Florida), 2018 UF/IFAS NCBS Intern
- Samantha Tiffany (University of Florida), 2017 UF/IFAS NCBS Internship program
- David Klinges (Dartmouth University), 2016 LUMCON NSF Research Experience for Undergraduates (REU)
- Laura E. Ellis (University of Tennessee), 2010 NSF DISL Research Experience for Undergraduates (REU)
- Taylor C. Kauffman (Texas A&M University), 2010 Undergraduate Internship at Dauphin Island Sea Lab
- Kristen Gloeckler (Syracuse University), 2010 Undergraduate Internship at Dauphin Island Sea Lab
- High School Student Research:
 - Savannah Gibbs (Crystal River Environmental Science Academy), 2017
- Graduate Teaching Advisor: Biology 122 Lab Instructors (Coastal Carolina University), 2012

TEACHING EXPERIENCE

Courses Taught:

- Advanced Marine Ecology (MAS 581) - - University of South Alabama/Dauphin Island Sea Lab (Fall 2024)
 - Evaluations: 4.77 out of 5.00
- Marine Ecology (MAS 475) - University of South Alabama/Dauphin Island Sea Lab (Spring 2024, 2025)
 - Evaluations: 4.7 out of 5.00

- Graduate Seminar (MAS 475) – University of South Alabama (Spring 2025)
- Climate Change (ENV 339) – University of South Alabama (Fall 2023, 2025)
- Topics in Gulf of Mexico Estuarine Ecology (FAS 5276C/FAS 4932) – University of Florida (Fall 2019, Fall 2021)
 - Evaluations: 4.78 out of 5.00 (College average 4.38 out of 5.00)
- Field Ecology of Aquatic Organisms (FAS 5276C/FAS 4932, taught 6x) – University of Florida (Summer 2017-2022)
 - Evaluations: 4.89 out of 5.00 (College average 4.57 out of 5.00)
- Salt Marsh Ecosystems (OCS 8900) – Louisiana State University (Spring 2013, Co-Instructor)
- General Biology II (BIOL 122, taught 3x) lectures – Coastal Carolina University (Spring 2012)
 - Evaluations: 3.81 out of 4.00 (College average: 3.55 out of 4.0)
- General Biology I lecture (BIOL 121, taught 2x) and laboratory (BIOL 121L, taught 2x) - Coastal Carolina University (Fall 2011)
 - Lecture evaluations: 3.68 out of 4.00 (College average: 3.53 out of 4.0)
 - Lab evaluations: 3.81 out of 4.00 (College average: 3.54 out of 4.0)

SELECTED PRESENTATIONS (out of over 150)

Alford, S. B., S. Husband, **C. Martin**. Effects of changing salinity on antipredator behavioral response of Gulf killifish *Fundulus grandis* to multiple predators and cue types. 2022 Gulf Estuarine Research Society, Ocean Springs, MS. ****Voted Best Student Presentation****

Searles, A., D. Adams, L. Hall, L. Morris, **C. Martin**, L. Reynolds Impacts of tropical herbivore population expansions on seagrasses and associated fisheries in a subtropical lagoon. 2022 Indian River Lagoon Symposium, Fort Pierce, FL. ****Voted Best Student Presentation****

Looby, A., K. Cox, S. Bravo, R. Rountree, F. Juanes, L. Reynolds, **C. Martin**. The ecological importance and remote sensing applications of fish sounds. 2019 North Florida Marine Science Symposium, St. Augustine, FL. **2nd Place, Best Graduate Student Talk**

Alford, S., J. Ponciano, **C. Martin**. Variation in fish community stability in relation to salinity across the Suwannee Sound estuary. 2019 North Florida Marine Science Symposium, St. Augustine, FL. **Honorable Mention, Best Graduate Student Talk**

Martin, C., K. Able, R. Christian, F. Fodrie, O. Jensen, K. Lewis, P. Lopez-Duarte, A. McDonald, K. Oken, J. Olin, B. Roberts, J. Valentine. Nine years after Deepwater Horizon, what have we learned about nearshore fishes? Coastal and Estuarine Research Federation 2019. Mobile, AL: November 4-7, 2019. **Invited Talk**

Martin, C., J. Valentine. Invasive Eurasian milfoil (*Myriophyllum spicatum*) in northern Gulf of Mexico estuaries: reviewing a decade of research on invasion dynamics and food web effects. Benthic Ecology Meeting 2018. Corpus Christi, TX: March 27-30, 2018.

Martin, C., L. K. Reynolds, W. Scheffell, S. Tiffany, S. Kopetman. Diel shifts in fish and invertebrate community structure within Big Bend seagrass habitats. Benthic Ecology Meeting 2018. Corpus Christi, TX: March 27, 2018-March 30, 2018.

Oken, K., O. Jensen, P. Lopez-Duarte, **C. Martin**, J. Olin, M. Polito. Why were saltmarsh fish assemblages so resilient to the Deepwater Horizon oil spill? ICES Fort Lauderdale, FL September 18, 2017-September 21, 2017 **Awarded "Early Career Scientist Award"**

- Martin, C.**, J. Valentine. Invasive Eurasian milfoil in estuaries: consequences for coastal food webs and fisheries. Coastal and Estuarine Research Federation 2017. Providence, RI: November 6, 2017-November 9, 2017. **Invited Talk**
- Valentine, J., **C. Martin**, S. Alford. Impacts of multiple predator effects on prey assemblages in the northern Gulf of Mexico: a mesocosm test using additive and substitutive designs. Benthic Ecology Meeting, Myrtle Beach, SC, April 12-16, 2017.
- Martin, C.**, M. Allen, C. Angelini, S. Barry, D. Chagaris, M. Clark, P. Frederick, W. Pine, C. Purtlebaugh, L. Reynolds, C. Reinehardt, et al. Evidence and Effects of Climate Change in Florida's Nature Coast. Benthic Ecology Meeting, Myrtle Beach, SC, April 12-16, 2017.
- Alford, S., D. Valdez, J. Valentine, **C. Martin**. Effects of oil exposure on predator-prey interactions in northern Gulf of Mexico nekton. 2017 Gulf of Mexico Oil Spill and Ecosystem Science Conference, New Orleans, LA, February 6-9, 2017.
- Lopez-Duarte, P., K. Able, F. Fodrie, **C. Martin**, C. Noji, J. Olin, J. Pincin, M. Polito, B. Roberts, O. Jensen. Quantifying trophic interactions in Louisiana salt marshes by combining stomach content, stable isotope, and fatty acid approaches. 2017 Gulf of Mexico Oil Spill and Ecosystem Science Conference, New Orleans, LA, February 6-9, 2017.
- Martin, C.**, J. Valentine, S. Alford, T. Spearman. Analysis of long-term datasets indicates heterogeneous impacts resulting from the Deepwater Horizon accident on nekton in the northern Gulf of Mexico. 2017 Gulf of Mexico Oil Spill and Ecosystem Science Conference, New Orleans, LA, February 6-9, 2017.
- Walters, K., **C. Martin**. Structural Complexity Effects on the Initial Similarity in Resident Prey Survival Among Natural and Created Intertidal Oyster Reefs. 18th International Conference on Shellfish Restoration, Charleston, SC, November 16-19, 2016 and Benthic Ecology Meeting, Portland, ME, March 16-19, 2016
- Martin, C.W.** Effects of Macrophyte-Specific Olfactory Cues on Fish Preference Patterns. Gulf Estuarine Research Society, Pensacola, FL, November 2-5, 2016
- Vastano, A., K. Able, O. Jensen, P. Lopez-Duarte, **C. Martin**, and B. Roberts. Age and Growth of a Subtropical Marsh Fish: the Gulf Killifish, *Fundulus grandis*. Mid-Atlantic Chapter American Fisheries Society, Bordentown, NJ October 27-28, 2016. **Awarded "Best Poster"** and 2017 Gulf of Mexico Oil Spill and Ecosystem Science Conference, New Orleans, LA, February 6-9, 2017.
- Martin, C.W.** Effects of the Deepwater Horizon Oil Spill on Estuarine Fauna and Flora: Incorporating an Experimental Approach to Determine Coastal Resiliency. Invited Seminar, Louisiana Universities Marine Consortium (LUMCON), August 5, 2016.
- O'Shaughnessy, K., K. Walters, T. Funk, and **C. Martin**. Ecosystem Restoration along the Grand Strand, SC, USA: the Coastal Oyster Recycling and Restoration Initiative (CORRI). ECOSUMMIT 2016, August 29-September 1, 2016. **Awarded "Outstanding Early Career Researcher Poster Award"**
- Martin, C.W.**, L.O. Hollis, E.M. Swenson, R.E. Turner. Effects of Deepwater Horizon Oil Exposure on *Ruppia maritima* growth and herbivory. Gulf of Mexico Research Initiative Conference, Tampa, FL, February 1-4, 2016 and Benthic Ecology Meeting, Portland, ME, March 16-19, 2016.
- Martin, C.W.** Anthropogenic Impacts in Gulf of Mexico Estuaries: Assessing the Effects of Oil Spills and Introduced Species on Coastal Fauna. Invited Seminar, Dept. of Oceanography and Coastal Sciences, Louisiana State University. June 18, 2015.
- Martin, C.W.** and L.C. Hollis. Effects of buried oil on *Ruppia maritima*. Gulf of Mexico Research Initiative Conference, Houston, TX, February 16-19, 2015 and Benthic Ecology Meeting, Quebec City, Quebec, March 4-8, 2015.

- Martin, C.W.** Ecology of fishes in a changing world: how olfactory cues can guide behavior. Invited Seminar, Dept. of Renewable Natural Resources, Louisiana State University; Dept. of Biology, University of Louisiana at Lafayette; and Dept. of Biology, Coastal Carolina University. Spring 2014.
- Martin, C.W.,** O. Jensen, K.W. Able, K.W., P.C. Lopez-Duarte, F.J. Fodrie and B.J. Roberts. High Site Fidelity of the Gulf Killifish (*Fundulus grandis*) in Northern Gulf of Mexico Marshes: An Empirical Approach to Help Address Oil Effects. Gulf of Mexico Research Initiative Conference, Mobile, AL. January 26-29, 2014
- Martin, C.W.,** K.W. Able, P.C. Lopez-Duarte, F.J. Fodrie, O. Jensen. Behavioral response of marsh fishes to Macondo oil. Gulf of Mexico Research Initiative Conference, Mobile, AL. January 26-29, 2014 and Benthic Ecology Meeting, Jacksonville, FL. March 19-22, 2014
- Martin, C.W.** and J.F. Valentine. Sexual and asexual reproductive strategies of Eurasian milfoil in estuaries. Benthic Ecology Meeting, Savannah, GA. March 20-24, 2013.
- Martin, C.W.** Biogeographic spread and impacts of invasive species in coastal Alabama. Invited Seminar, South Carolina Marine Research Institute; Charleston, SC. Oct 17, 2011.
- Martin, C.W.** and J.F. Valentine. Apple snail invasion of the Mobile-Tensaw Delta: a risk assessment. Benthic Ecology Meeting, Mobile, AL March 16-20, 2011; and Benthic Ecology Meeting, Norfolk, VA. March 21-24, 2012.
- Martin, C.W.,** S.L. Madsen, and J.F. Valentine. Changes to coastal fish communities following Deepwater Horizon oil spill. Poster presentation presented at: Northern Gulf Institute Annual Meeting (Mobile, AL) May 17-19, 2011; Benthic Ecology Meeting (Mobile, AL) March 16-20, 2011; and Mississippi-Alabama Bays and Bayous Symposium (Mobile, AL) Dec 1-2, 2010.
- Martin, C.W.,** M.M. Valentine, and J.F. Valentine. Impacts of Invasive Nile Tilapia (*Oreochromis niloticus*) on Estuarine Food Webs. Northern Gulf Institute Annual Conference, Mobile, AL. May 20-21, 2009. **3rd Place Poster Contest** and Gulf of Mexico Graduate Student Symposium, Dauphin Island, AL. April 3-5, 2009. **3rd Place Oral Presentation, Voted "People's Choice" Best Presentation.**
- Martin, C.W.,** M.M. Valentine, and J.F. Valentine. Impacts of Invasive Nile Tilapia (*Oreochromis niloticus*) on Estuarine Food Webs. Benthic Ecology Meeting, Corpus Christi, TX. March 4-7, 2009, and Benthic Ecology Meeting, Wilmington, NC. March 10-13, 2010.

RELEVANT PROFESSIONAL EXPERIENCE

- Member, Alabama Forever Wild Board of Trustees (2025-Present)
- President, Gulf Estuarine Research Society (GERS; 2023-Present)
- Co-Organizer, Delta Waterfowl University Hunting and Sustainability Training Program (2025)
- Assistant Judge, Alabama Deep Sea Fishing Rodeo (2025)
- President-Elect, Gulf Estuarine Research Society (GERS; 2021-2023)
- Search Committee, DISL Cluster Hire (Dauphin Island Sea Lab 2024-2025)
- Search Chair, Avian Ecology Assistant Professor (Dauphin Island Sea Lab 2023-2024)
- Graduate Curriculum Committee (University of South Alabama 2024-Present)
- Coastal and Estuarine Research Federation Governing Board (2022-Present)
- Coastal and Estuarine Research Federation Publications and Communications Committee (2023-Present)
- Coastal and Estuarine Research Federation Affiliate Society Committee (2023-Present)
- Editorial and Reviewer Roles:
 - Reviews and Perspectives Editor, *Estuaries and Coasts* (2026-Present)
 - Academic Editor, *PLoS ONE* (2020-Present)

- Deputy Editor-in-Chief, *Aquatic Invasions* (2017-Present)
- Associate Editor, *Aquatic Invasions* (2015-2017) and *BioInvasions Records* (2015-Present).
- Lead Guest Editor, *Frontiers in Environmental Science* (2021-2023) Special Collection: “Gulf of Mexico Estuaries: Ecology of the Nearshore and Coastal Ecosystems Impacted by the Deepwater Horizon Oil Spill”
- Manuscript reviewer for (number of manuscripts):
Marine Ecology Progress Series (8), *PLoS ONE* (7), *Aquatic Invasions* (2), *Oecologia* (1), *Ecosphere* (2), *ICES Journal of Marine Science* (1), *Environmental Biology of Fishes* (7), *Hydrobiologia* (5), *Estuaries and Coasts* (6), *Journal of Fish Biology* (1), *Marine Biology* (1), *Aquatic Biology* (1), *Aquatic Ecology* (1), *Marine Pollution Bulletin* (2), *BioInvasions Records* (3), *Biological Invasions* (4), *Southeastern Naturalist* (2), *Aquatic Research* (1), *Southeastern Geographer* (1), *Ecology of Freshwater Fish* (2), *Ecosystems* (1), American Fisheries Society book chapter (1), *Reviews in Fisheries and Fish Biology* (1), *Journal of Current Zoology* (2), *Journal of Ecosystem and Ecography* (3), *Gulf of Mexico Science* (1), *Austral Ecology* (1), *African Journal of Environmental Science and Technology* (1), *Knowledge and Management of Aquatic Ecosystems* (2), *Florida Scientist* (1), *Acta Ethologica* (1), *Molluscan Research* (1), *Sustainability* (1), *Annals of Aquaculture and Research* (1), *Tropical Conservation Science* (1), *Austral Ecology* (1), *Marine Environmental Research* (1), *Ecological Applications* (1), *Regional Studies in Ecology and Evolution* (1), *Ecology and Evolution* (1), *Regional Studies in Marine Science* (2)
- Grant Panels (year):
 Minnesota Aquatic Invasive Species Research Center (2017), Connecticut Institute of Water Resources (2019), University of California San Diego Delta Science Program (2019), Gulf of Mexico Alliance (2020), Maryland Sea Grant (2021), Alabama Center of Excellence (2021), Research Grants Council Hong Kong (2025), Israel Science Foundation (2025), California Sea Grant (2025)
- Member, Dauphin Island Sea Lab Safety Committee (2023-Present)
- Member, Selection Committee for CERF Rising TIDES (2023) and Niering Educator Award (2023)
- Co-organizer, North Florida Marine Science Symposium (January 2020, March 2022)
- Member, UF/IFAS Fisheries and Aquatic Sciences Undergraduate Program Committee for Marine Science major
- Co-organizer, Ecology/Environment Ecoforum, Louisiana State University (2013)
- Organizer, Coastal Ecology Meetings (weekly Monday morning seminars), Department of Oceanography and Coastal Sciences, Louisiana State University (2012-2016)
- Co-organizer, Chair of Scientific Program Committee for Benthic Ecology Meeting, Mobile, AL (2011)
- Judge for student presentations, Benthic Ecology Meeting (2011, 2012, 2013) and ASLO Meeting (2013)
- Session Chair, Benthic Ecology Meeting (2011, 2012, 2013, 2014)
- Editorial Board Member, *Journal of Ecosystem and Ecography* (2010-Present)
- Professional Memberships: Ecological Society of America, American Society of Limnology and Oceanography, American Fisheries Society, Coastal and Estuarine Research Federation, Gulf Estuarine Research Society, Alabama Fisheries Association
- Research/Teaching Assistant at Dauphin Island Sea Lab (2006-2010)
- AAUS Scientific Diver (over 100 logged dives)
- Fundraising Committee Chair, Gulf Coast Graduate Student Symposium at Dauphin Island Sea Lab (2006)

- Vice President (2005-2006) and Public Relations Officer (2004-2005); Marine Science Graduate Student Organization, Dauphin Island Sea Lab

AWARDS AND HONORS

2016-Present Awards for students under my direction:

- UF/IFAS Best Dissertation Award – Looby (2025)
- UF Water Institute Dissertation Award – Looby (2024)
- UF Doris and Earl Lowe and Verna Lowe Scholarship – Searles (2024)
- Guy Harvey Scholarship – Searles (2023)
- UF Fisheries and Aquatic Sciences department PhD Student of the Year – Looby (2022)
- Link Fellowship, Smithsonian – Looby (2022)
- Best MS thesis in UF Fisheries and Aquatic Sciences department – Looby (2021)
- Editor's Choice Best Paper Environmental Biology of Fishes - Looby (2021)
- UF College of Agricultural and Life Sciences (\$2,000) – Looby (2021)
- UF Fisheries and Aquatic Sciences department PhD Student of the Year – Alford (2021)
- Aylesworth Scholarship (\$5,000) – Alford (2021)
- Gulf Estuarine Research Society Student Travel Award (\$300) – Alford (2019)
- North Florida Marine Science Symposium (Honorable Mention best oral presentation) – Alford (2019)
- Gulf Estuarine Research Society Student Travel Award (\$300) – Looby (2019)
- North Florida Marine Science Symposium (2nd place oral presentation) – Looby (2019)

2009	3 rd Place Poster Presentation. Northern Gulf Institute Annual Conference
2009	Voted "People's Choice" Best Oral Presentation. Gulf of Mexico Graduate Student Symposium
2009	3 rd Place Oral Presentation, Gulf of Mexico Graduate Student Symposium
2008	Northern Gulf Institute Graduate Fellowship (Stipend)
2007, 2008	1 st Place, FloraBama Mullet Toss
2006	Alabama Legacy Graduate Scholarship, \$2000
2004, 2005	Dauphin Island Sea Lab Fellowship (Stipend plus tuition waiver)
2004	Merck-AAAS Research Fellowship, May - July 2004
2000	Salutatorian, Glencoe High School