

**Sean P. Powers, Ph.D.**

*Angelia and Steven Stokes Endowed Professor in Environmental Resiliency*  
*Director, School of Marine and Environmental Sciences, University of South Alabama*  
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**Professional Highlights**

- Published over 150 peer-reviewed scientific articles, many in leading journals in the field (*Science, Ecology, Canadian Journal of Fisheries and Aquatic Science, PLOS One*);
- Served as PI or Co-PI on over \$51 million in extramural grant funding;
- Advised 28 graduate students (11 PhD. And 17 MS);
- First director, Stokes School of Marine and Environmental Sciences at the University of South Alabama;
- Proposed new degree programs (BS in Marine Sciences, BS in Environmental and Sustainability Sciences, MS in Marine Conservation and Resource Management [Professional Masters], MS in Environmental Toxicology), and Ph.D. in Environment & Society to complement existing graduate offerings;
- Enrollment growth from 47 to 85 graduate students and 0 -200 undergraduate majors as well as 0 to 50 undergraduate minors.
- Lead a faculty of 18 University scientists whose expertise encompass a broad range of marine and environmental sciences;
- New research awards increased from \$800,000/yr to \$12 million/yr with an annual average of \$5.5 million/year in Department/School during his leadership
- Established the Center for Environmental Resiliency at the University of South Alabama;
- Serve on major regional (e.g., Gulf of Mexico Fishery Management Council, Scientific and Statistical Standing Committee) and National (e.g., National Academies of Sciences) scientific advisory groups;
- Serve as a scientific expert for NOAA and U.S. Department of Justice Natural Resources Damage Assessment and Restoration cases.
- Engaged a variety of groups to build and fund faculty research including national non-governmental organization (NGOs), regional conservation and sportsman groups, and private donors with private donation surpassing \$5 million.

**Education**

- 2000 **Post-doctoral traineeship**, University of North Carolina at Chapel Hill, Institute of Marine Sciences.
- 1997 **Doctor of Philosophy**, Department of Biology, Texas A&M University, College Station  
Areas of Specialization: Ecology & Evolution, Zoology, Biostatistics
- 1992 **Master of Science** in Biological Sciences, University of New Orleans
- 1990 **Bachelor of Science with Honors** in Biology and Chemistry, Loyola University

**Professional Experience**

- 2022- Director, Stokes School of Marine and Environmental Sciences, University of South Alabama.

- 2018- Angelia and Steven Stokes Endowed Chair in Environmental Resiliency, University of South Alabama.
- 2013- 2022. Director, University of South Alabama's Center for Environmental Resiliency
- 2012-2022. Chair, Department of Marine Sciences, University of South Alabama.
- 2010- Professor of Marine Sciences, University of South Alabama and Senior Marine Scientist III, Dauphin Island Sea Lab.
- 2007-2010. Associate Professor of Marine Sciences (tenured), University of South Alabama and Senior Marine Scientist II, Dauphin Island Sea Lab.
- 2003-2007. Assistant Professor of Marine Sciences, University of South Alabama and Senior Marine Scientist I, Dauphin Island Sea Lab.
- 2002- 2016. Associate Research Scientist, Prince William Sound Science Center, Cordova, Alaska.
- 2002-2003. Research Associate, Institute of Marine Sciences, University of North Carolina at Chapel Hill.
- 1999-2001. Post-doctoral Associate, Institute of Marine Science, University of North Carolina-Chapel Hill.
1998. Oceanographer, Division of Ocean Sciences, National Science Foundation.
- 1997-1998. NOAA Seagrant Dean John A. Knauss Marine Policy Fellow, Division of Ocean Sciences, National Science Foundation.

**Peer-Reviewed Publications (\*Student coauthor) <https://orcid.org/0000-0002-4770-9944>**

*In Review or Revision*

160. Cox, T.E. , K.S. Boyle, M. Albins, S. P. Powers, and J. Cebrian. Carbon production at shallow-water artificial reef ecosystems in the north-Central Gulf of Mexico relies on water column primary productivity. *Limnology & Oceanography*
159. Powers, S. P. and J. H. Grabowski. Does the addition of habitat result in increased secondary production - the importance of landscape and harvest pressure in resolving the attraction-production debate for artificial reefs? *Ecological Applications*, In Revision.

*Accepted or In Press*

158. Dias, P. J., R. Lehman, B. L. Huerta-Beltrán, A. Wheeler, C. L. Hightower, J. Heise, T. Switzer, C. Rhode, J. M. Drymon, L. Stokes, M. A. Albins, S. Powers and N. Phillips. 2025. A novel ddPCR™ assay for eDNA detection and quantification of Greater Amberjack *Seriola dumerilli* and three congeners in US waters: challenges and application to fisheries independent surveys. *Peer J*, In press.
157. Powers, S. P., H. Roman, G. Fricano, J. Westerink, and S. Brus. Reestablishing larval connectivity in an estuarine landscape: the importance of shoreline and subtidal oysters (*Crassostrea virginica*) in a comprehensive oyster restoration program. *Restoration Ecology*

*Published*

156. Midway, S. R, F. S. Scharf, M. A. Dance, N. J. Brown-Peterson, J. C. Ballenger, N. S. , Beeken, R. J. Borski, T. L. Darden, K. A. Erickson, T. M. Farmer, A. Fincannon, J. Godwin, P. M. Graham, J. L. Green, H. Hershey, D. Kiene, L. M. Lee, M. S. Loeffler, A. Markwith, C. McGarigal, S. P. Powers, D. R. Smith, A. M. Watson, and S. B. White. 2024. Southern Flounder: Major

Milestones and Remaining Knowledge Gaps in their Biology, Ecology, and Fishery Management. *Reviews in Fisheries Science & Aquaculture* 32 (3), 450-478.

155. Drymon, J.M., A. Jargowsky, E. Prasky, E. Camp, A. Oliphant, S. P. Powers, and S. Scyphers. 2024. Depredation: an old conflict with the sea. *Fish and Fisheries* 25: 806-810.

154. Kim, E.S., J. C. McDonald, L. Muñoz-Abril, J. M. Drymon, M.A. Albins, and S. P. Powers. 2024. Age, Growth, Mortality, and Maturity of Gray Snapper in the Northcentral Gulf of Mexico. *Marine and Coastal Fisheries* 16 (6), e10324

153. de Oliveira, G., J. Lehrter, S. P. Powers, G. Mataveli, and C. Santos. Protect North America's Amazon. *Science* 384: 966-967.

152. Osowski, A. R., M. B. Jargowsky, P.T. Cooper\*, S. P. Powers, and J. M. Drymon. 2024. Comparative Dietary Habits of Gafftopsail (*Bagre marinus*) and Hardhead (*Ariopsis felis*) Catfishes Revealed through DNA Metabarcoding of Stomach Contents. *Fishes*, 8, 539.

151. Plumlee, J. D., S. P. Powers, D. L. Kimbro, J. C. Lehrter, J. Herrmann, and J. F. Mareska. 2024. Increasing duration of heatwaves pose a threat to oyster sustainability in the Gulf of Mexico. *Ecological Indicators*, 162: 112015

150. Greenheck, E. M.\*, M. J. Andres, D. A. Fox, D. Kiene\*, B. R. Kreiser, T. R. Nelson\*, M. S. Peterson, W. E. Pine, S. P. Powers, S. J. Rider, and W.T. Slack. 2024. Gulf Sturgeon (*Acipenser oxyrinchus desotoi*) in Mobile Bay, AL: documentation of use outside of designated critical habitat for the species. *Journal of Coastal Research* 39: 1021-1043

149. K. S. Boyle, C. L. Hightower, T. R. Nelson\* and S. P. Powers. 2023. Diel, Temporal, and Spatial Patterns of Fish Soundscapes Among Artificial Reefs in Alabama Artificial Reefs in Late Spring and Summer. *Frontiers in Marine Sciences* 9, 954974.

148. Powers, S. P., J. M. Drymon, C. L. Hightower, L. M. Carleton\* and J. M. Hoenig. 2023. Direct estimates of reef fish abundance from a large network of artificial reefs. *Canadian Journal of Fisheries and Aquatic Sciences*, 80, 676-689.

147. Lenihan, H.S., S.P. Powers, and S.R. Fegley. 2023. Special Feature: Honoring ecologist Charles H. Peterson (1946-2020). *Ecosphere* 14 (6)

146. Powers, S.P. and J. H. Grabowski. 2023. Changes in water flow alters community dynamics in oyster reefs. *Ecosphere*, 14 (4), e4405.

152. McCall\*, M. Albins and S. P. Powers. 2023. Presence of a common predator, Sheepshead (*Archosargus probatocephalus*), affects survival of Eastern Oyster (*Crassostrea virginica*) in an experimental setting. *Journal of Experimental Marine Biology and Ecology*, 568, 151945.

145. Powers, S. P., C. L. Hightower, J. Plumlee, T. R. Nelson\*, J. M. Hoenig, and J. M. Drymon. 2023. Novel estimation of gear selectivity using a concurrent mass mortality event: a case study using red drum (*Sciaenops ocellatus*) in the northern Gulf of Mexico. *Fisheries Research* 263, 106690.

144. Boyle, K. S., C. L. Hightower and S. P. Powers. 2023. Diel behavior, depth use, activity, and movements of post-release greater amberjack (*Seriola dumerili*) in the northern Gulf of Mexico. *Environmental Biology of Fishes* 106: 491-518.
143. Powers, S. P., H. Roman, G. Fricano, J. Westerink, and S. Brus. 2023. Establishing connectivity patterns of eastern oysters (*Crassostrea virginica*) on regional oceanographic scales. *Ecosphere* 14 (1), e4337.
142. Jefferson, A.E.\*, M. B. Jargowsky\*, G. M Ivec, P.T. Cooper\*, J. Carroll, C. L. Gervasi, J. S. Rehage, J. F. Mareska, S. P. Powers, J. M. Drymon. 2022. Age, growth, and diet of crevalle jack (*Caranx hippos*) in the Gulf of Mexico. *Fisheries Management and Ecology* 29: 608-626.
141. Boyle, K. S., C. L. Hightower and S. P. Powers. 2022. Evaluation of factors contributing post-release mortality of greater amberjack (*Seriola dumerili*) in the northern Gulf of Mexico using depth and acceleration acoustic sensor tags. *Fishery Bulletin* 120: 218-233.
140. Hightower, C.L., J. M. Drymon, A. E. Jefferson\*, M. B. Jargowsky, E. A. Seubert\*, S. Dedman, J. F. Mareska, and S. P. Powers. 2022. Population dynamics, abundance, and habitat suitability of adult red drum (*Sciaenops ocellatus*) in nearshore waters of the north central Gulf of Mexico. *Fishery Bulletin* 120:162–175.
139. Boyle, K., C.L. Hightower T. R. Nelson and S. P. Powers. 2022. Use of passive acoustic monitoring to estimate fishing effort on artificial reefs in Alabama during the recreational red snapper fishing season. *Fisheries Research* 249: e106262.
138. Grabowski, J.H., C. J. Baillie, A. Baukus, J. Fodrie, R. K. Gittman, A. R. Hughes, D. L. Kimbro, H. Lenihan, S. P. Powers, K. Sullivan, and R. Wagaman. 2022. Fish and invertebrate use of restored vs. natural oyster reefs in North Carolina. *Ecosphere* 13: e4035
137. zu Ermgassen, P. S. E, B. DeAngelis, J. R. Gair, S. zu Ermgassen, R. Baker, A. Daniels, T. C. MacDonald, K. Meckley, S. P. Powers, M. Ribera, L. P. Rozas and J. H. Grabowski. 2021. Estimating and applying fish and invertebrate density and production enhancement from seagrass, salt marsh edge and oyster reef nursery habitats in the Gulf of Mexico. *Estuaries and Coasts* 44: 1588-1603.
136. Gray, B. A., M. A. Bishop and S. P. Powers 2021. Winter variability in the diets of groundfish inhabiting a subarctic sound with a focus on Pacific herring and walleye pollock piscivory. *Deep Sea Research Part II: Topical Studies in Oceanography* 194, 104984.
135. Wiesenburg, D. A., R. L. Shipp, C. Wilson, F. J. Fodrie, S. P. Powers, J. Latrigue, K. M. Darnell, M.M. Baustian, C. Ngo, J. F. Valentine, and K. Wowk. 2021. Prospects for Gulf of Mexico environmental recovery and restoration following the Deepwater Horizon oil spill. *Oceanography* 34: 164-173.
134. Nelson T. R.\*, C. L. Hightower, J. Coogan, B. D. Walther, and S. P. Powers. Patterns and consequences of life history diversity in salinity exposure of an estuarine dependent fish. *Environmental Biology of Fishes* 104: 419-436.

133. Nelson, T. R.\*, C. L. Hightower, S.P. Powers. 2021. Red Drum and Spotted Seatrout live-release tournament mortality and dispersal. *Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science* 13:320–331.
132. Jefferson, A.E., M. B. Jargowsky, M. N. Schrandt\*, P. T. Cooper\*, S. P. Powers, J. J. Dindo, J. M. Drymon. 2021. Age, growth, and mortality of Atlantic Tripletail in the north-central Gulf of Mexico. *Marine and Coastal Fisheries* 13:183–199.
131. Drymon, J.M., S. Dedman, J. T. Froeschke, E. A. Seubert\*, A. E. Jefferson, A. M. Kroetz\*, J. F. Mareska, and S. P. Powers. 2020. Defining sex-specific habitat suitability for a northern Gulf of Mexico shark assemblage. *Frontiers in Marine Science* 7:35 doi: 10.3389/fmars.2020.00035
130. Nelson, T.R.\* and S. P. Powers. 2020. Elemental concentrations of water and otoliths as salinity proxies in a Northern Gulf of Mexico estuary. *Estuaries and Coasts*, 43:843–864.
129. Drymon, J. M., M. B. Jargowsky, M.A. Dance, M. Lovell, C. L. Hightower, A. E. Jefferson, and S. P. Powers. 2020. Documentation of Atlantic tarpon (*Megalops atlanticus*) movement in the northern Gulf of Mexico facilitated by angler advocates. *Conservation Science and Practice* 3:e331.
128. Drymon, J. M., A. Jefferson, C. L. Hightower and S. P. Powers. 2020. Descender devices or treat tethers: does barotrauma mitigation increase opportunities for depredation? *Fisheries* 45: 377-379.
127. Fodrie, F. J., K. L. Heck, F. Andrus, and S.P. Powers. 2020. Determinants of the nursery role of seagrass meadows in the sub-tropical Gulf of Mexico: inshore-offshore connectivity for snapper and grouper *Marine Ecology Progress Series* 647: 135-147.
126. Scyphers, S. B., M. Beck, K. Furman, J. Haner, L. Josephs, R. Lynskey, A. Keeler, C. Landry, S. P. Powers, B. Webb, and J. H. Grabowski. 2020. A Waterfront View of Coastal Hazards: Exploring Relationships among Exposure, Shoreline Type, and Hazard Concerns. *Sustainability* 11: 6687.
125. Seubert, E.A., N. Hussey, S. P. Powers, J. F. Valentine, and J. M. Drymon. 2019. Assessing the trophic flexibility of a predator assemblage across estuarine Seascapes using blood plasma stable isotope analysis. *Foodwebs* 21: e00132.
124. O'Connell, M.T., M. S. Peterson, S.P. Powers, A. M. Uzee-O'Connell, E. J. Anderson and J. R. Hendon. 2019. Assessing nearshore nekton abundance, substrate, and environmental conditions in the northern Gulf of Mexico: Are there differences among three adjacent coastal areas and have there been changes over three decades (1986–2015)? *Estuaries and Coast* 42: 2139-2169.
123. Gray, B., M.A. Bishop, S. P. Powers. 2019. Structure of winter groundfish feeding guilds in Pacific herring *Clupea pallasii* and walleye pollock *Gadus chalcogrammus* nursery fjords. *Journal of Fish Biology* 95: 527-539.
122. Nelson, T.R.,\* and S. P. Powers. 2020. Estimates of Red Drum (*Sciaenops ocellatus*) mortality and movement via acoustic telemetry. *Marine and Coastal Fisheries* 12 78-97.

121. Livernois, M.C.,\* S. P. Powers, M. A. Albins, and J. F. Mareska. 2020. Habitat associations and co-occurrence patterns of two estuarine-dependent predatory fishes. *Marine and Coastal Fisheries* 12: 64-77.
120. Drymon, J.M., K. Feldheim, A. M. V. Fournier, E. A. Seubert\*, A. Jefferson, A. M. Kroetz, and S. P. Powers. 2019. Tiger sharks eat songbirds: scavenging a windfall of nutrients from the sky. Reply. *Ecology*
119. Drymon, J.M., K. Feldheim, A. M. V. Fournier, E. A. Seubert\*, A. Jefferson, A. M. Kroetz, and S. P. Powers. 2019. Tiger sharks eat songbirds: scavenging a windfall of nutrients from the sky. *Ecology* e02728.
118. Nelson, T.R.\* and S.P. Powers. 2019. Validation of species-specific otolith chemistry and salinity relationships. *Environmental Biology of Fishes* 102: 801-815.
117. Livernois, M. C.\* , F. J. Fodrie, K. L. Heck, Jr., and S. P. Powers. 2019. Emergent intraspecific multiple predator effects shape estuarine trophic dynamics across a gradient of habitat complexity. *Journal of Experimental Biology and Ecology* 511: 120-128.
116. Jefferson, A. E.\* , R. J. Allman, A. E. Pacicco, J. S. Franks, F. J. Hernandez, M. A. Albins, S. P. Powers, R. L. Shipp, J. M. Drymon. 2019. Distribution, abundance, age, and growth of gray triggerfish (*Balistes caprisus*) from a north-central Gulf of Mexico artificial reef zone. *Bulletin of Marine Sciences* 95: 177-195.
115. Drymon, J.M., P.T. Cooper\*, S.P. Powers, M. Miller, S. Magnuson, E. Krell and C. Bird. 2019. Genetic identification of depredator species in commercial and recreational fisheries. *North American Journal of Fisheries Management*, 39: 524-534.
114. Powers, S.P. and K. Anson. 2019. Compression and relaxation of fishing effort in response to changes in length of fishing seasons for red snapper (*Lutjanus campechanus*) in the northern Gulf of Mexico. *Fishery Bulletin*, 117:1-7.
113. Sackett, D.K., M. Catalano, J. M. Drymon, and S.P. Powers. 2018. Estimating Red Snapper exploitation rates using a high-reward tag-recapture approach: insights into the Alabama Red Snapper fishery. *Marine and Coastal Fisheries* 10:536-549.
112. Schrandt, M. C., S. P. Powers, S. Rikard, W. Thongda and E. Peatman. 2018. Short-term low salinity mitigates effects of oil and dispersant on juvenile eastern oysters: a laboratory experiment with implications for oil spill response activities. *PLOS One* 13: e0203485.
111. Powers, S.P., J. M. Drymon, C. L. Hightower, T. Spearman, G. S. Bosarge, and A. Jefferson\*. 2018. Distribution and age composition of Red Snapper (*Lutjanus campechanus*) across the inner continental shelf of the northcentral Gulf of Mexico. *Transactions of the American Fisheries Society*, 147:79 1-805. \*Featured Journal Article\*
110. Thongda, W.\* , H. Zhao, D. Zhang, L. N. Jescovitch, M. Liu, X. Guo, M. Schrandt, S.P. Powers, and E. Peatman. 2018. Development of SNP panels as a new tool to assess the genetic diversity, population structure, and parentage analysis of the Eastern Oyster (*Crassostrea virginica*). *Marine Biotechnology* 20:385-395.

109. Jackson, L.S., J. M. Drymon, and S. P. Powers. 2018. Biotelemetry based estimates of Greater Amberjack (*Seriola dumerili*) post-release mortality in the Northern Gulf of Mexico. *Fisheries Research* 208: 239–246.
108. Kenworthy, M.D., J. H. Grabowski, C. A. Layman, G. D. Sherwood, S. P. Powers, C. H. Peterson, R. K. Gittman, D. A. Keller, and F. J. Fodrie. 2018. Movement ecology of a mobile predatory fish reveals limited habitat linkages within a temperate estuarine seascape. *Canadian Journal of Fisheries and Aquaculture*, DOI 10.1139.
107. Powers, S.P., C.H. Peterson, K.L. Heck Jr., and J Cebrian. 2017. Editors. Response of nearshore ecosystems to the *Deepwater Horizon* Oil Spill. *Marine Ecology Progress Series* 576: 107-110.
106. Salehi, M., R. Rodriguez, A\*. Boettcher, S. P. Powers, N. Geitner, D. A. Ladner, S. Rikard, A. J. Whelton. 2017. Impact of dispersant on early life stages of the water flea *Daphnia magna* and the eastern oyster *Crassostrea virginica*. *Journal of Applied Toxicology*, 37: 1464-1470.
105. Powers, S. P., S. Rouhani, M. C. Baker, H. Roman, J.H. Grabowski, S.B. Scyphers, J. M. Willis, and M. W. Hester. 2017. Ecosystem services lost when facilitation between two ecosystem engineers is compromised by oil. *Marine Ecology Progress Series* 576: 189-202.
104. Grabowski, J.H., S. P. Powers, H. Roman and S. Rouhani. 2017. Impacts of the 2010 Deepwater Horizon Oil Spill and associated response activities on subtidal oyster populations in the Northern Gulf of Mexico. *Marine Ecology Progress Series* 576: 163-174.
103. Powers, S.P., J. H. Grabowski, H. Roman, A. Geggel, S. Rouhani, J. Oehrig and M.C. Baker. 2017. Consequences of large-scale salinity alteration during the *Deepwater Horizon* Oil spill on subtidal oyster populations. *Marine Ecology Progress Series* 576: 175-187.
102. Kroetz, A. M.\*, S. P. Powers, and J. M. Drymon. 2017. Comparative dietary diversity and trophic ecology of two estuarine mesopredators. *Estuaries and Coasts* 40 (4): 1171-1182.
101. Heck, K. L., J. Cebrian, S. P. Powers, N. Geraldi\*, R. Plutchak\*, D. Byron and K. Major. 2017. Ecosystem services provided by shoreline reefs in the Gulf of Mexico: An experimental assessment using live Oysters. In: “Shorelines: Living, Enhanced, and Restored in the Modern Era”, M. J. Kennish and J. S. Weis (eds), CRC Press/Taylor & Francis Group.
100. Karnauskas, M., J.F. Walter III, M. D. Campbell, A. G. Pollack, J. M. Drymon and S. P. Powers. 2017. Red Snapper distribution on natural habitats and artificial structures in the northern Gulf of Mexico. *Marine and Coastal Fisheries* 9: 50-67.
99. Grabowski, J.H., S. P. Powers, and S. B. Scyphers. 2017. Marine Fisheries Management. Oxford Bibliographies in Ecology, Oxford University Press. DOI: 10.1093/obo/9780199830060-0178
98. Pennings, S.C., S. Zengel, J. Oehrig, M. Alber, T. D. Bishop, D. R. Deis, D. Devlin, A. R. Hughes, J. J. Hutchens, Jr., W. M. Kiehn, C. R. McFarlin, C. L. Montague, S. P. Powers, C. E. Proffitt, Nicolle Rutherford, C. L. Stagg, and K. Walters. 2016. Marine ecoregion and Deepwater Horizon oil spill affect recruitment and population structure of a saltmarsh snail. *Ecosphere* 7 (12): e01588.

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95. Schrandt, M. N., M. J. Andres, S. P. Powers and R. M. Overstreet. 2016. Novel infection site and ecology of cryptic *Didymocystis* sp. (Trematoda) in the fish *Scomberous maculatus*. *Journal of Parasitology* 102: 297-305.
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93. Ajemian, M.A.\* and S. P. Powers. 2016. Seasonality and ontogenetic habitat partitioning of Cownose Rays in the northern Gulf of Mexico. *Estuaries and Coast* 39: 1234-1248.
92. Sharma, S\*., J. Goff, R. M. Moody, A. McDonald, D. Byron, K. L. Heck, Jr., S. P. Powers, C. Ferraro and J. Cebrian. 2016. Effects of Shoreline Dynamics on Saltmarsh Vegetation. *PLoS ONE* 11(7): e0159814.
91. Zengel, S., C. L. Montague, S. C. Pennings, S. P. Powers, M. Steinhoff, G. Fricano, C. Schlemme, M. Zhang, J. Oehrig, Z. Nixon and S. Rouhani, and J. Michel. 2016. Impacts of the Deepwater Horizon Oil Spill on Marsh Periwinkles (*Littoraria irrorata*). *Environmental Science and Technology* 50: 643-652.
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81. Aven, A. M.\*, R. H. Carmichael, M. J. Ajemian\*, and S.P. Powers. 2015. Addition of passive acoustic telemetry mitigates lost data from satellite-tracked manatees. *Marine and Freshwater Research* 66: 371–374.
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### **Grants & Fellowships**

#### ***Recent Awards (\$ 2.8 million)***

#### ***Continuing Awards (\$11.3 million)***

2024-2026. Gulf Scholars Program: University of South Alabama. National Academies of Sciences, Gulf Environmental Benefit Fund. (S. Scyphers and S. Powers). Supplemental award \$75,000.

2024. Oligohaline use of Southern Flounder in a changing environment Year 4. Gulf States Fisheries Management Commission, via Alabama Marine Resource Division (S. Powers and C.W. Martin, PI). \$92,000.

- 2024-2025. Reef fish research in the Alabama Artificial Reef Permit Zone. 2022. U.S. Fish and Wildlife, Sport Fish Restoration Fund via Alabama Department of Conservation and Natural Resources, Marine Resources Division, (S.P. Powers, PI). \$230,000.
- 2024-2025. Estimating abundance of reef fish in coastal Alabama, Alabama Department of Conservation and Natural Resources Marine Resources Division, (S. Powers and M. Albins, PI's) \$1,100,000.
- 2023-2025. University of South Alabama's Healthy Oceans Initiative: Phase II– Expansion of the Marine and Environmental Sciences Analytical facility for the School of Marine and Environmental Sciences. \$1,229,000. Gulf of Mexico Energy Security Act (GOMESA), State of Alabama.
- 2023-2024. Monitoring fish movement around proposed large scale fish farms. \$75,000. NOAA National Marine Fisheries Service (S. Powers, PI).
- 2023-2025. Greater Amberjack abundance estimate in the southeast United States. Supplemental request \$250,000 (S. Powers, PI).
- 2022-2023. SEAMAP: Alabama Reef fish surveys via vertical longlines and bottom longlines. NMFS via Alabama Marine Resources Division (S. Powers PI). \$113,000.
- 2022-2026. Gulf Scholars Program: University of South Alabama. National Academies of Sciences, Gulf Environmental Benefit Fund. (S. Scyphers and S. Powers). \$450,000.
- 2023-2024. Population and movement dynamics of Southern Flounder in a changing environment Year 3. Gulf States Fisheries Management Commission, via Alabama Marine Resource Division (S. Powers, PI). \$88,000.
- 2022-2025. University of South Alabama's Healthy Oceans Initiative – Marine and Environmental Sciences Analytical facility for the School of Marine and Environmental Sciences. \$2,100,000. Gulf of Mexico Energy Security Act (GOMESA), State of Alabama.
- 2021-2023. Estimating absolute abundance and elucidating connectivity of Greater Amberjack in the Gulf of Mexico and South Atlantic. (S. Powers and 11 co-PI's). MS-AL Seagrant, \$8,500,000.
- 2019-2024. Building Resilience for Oysters, Blue Crabs, and Spotted Seatrout to Environmental Trends and Variability in the Gulf of Mexico. NOAA RESTORE Long Term Science Program. \$2,800,000. J. Lehrter and seven others. \$250,000 (Powers component).

**Previous funding (\$34.7 million)**

- 2022-2023. Reef fish research in the Alabama Artificial Reef Permit Zone. 2022. U.S. Fish and Wildlife, Sport Fish Restoration Fund via Alabama Department of Conservation and Natural Resources, Marine Resources Division, (S.P. Powers and Robert Shipp, PI's). \$230,000.

- 2022-2024. Estimating abundance of reef fish in coastal Alabama, Alabama Department of Conservation and Natural Resources Marine Resources Division, \$1,100,000.
- 2021-2022. SEAMAP: Alabama Reef fish surveys via vertical longlines and bottom longlines. NMFS via Alabama Marine Resources Division (S. Powers PI). \$113,000.
- 2021-2023. Population and movement dynamics of Southern Flounder in a changing environment. Gulf States Fisheries Management Commission, via Alabama Marine Resource Division (S. Powers, PI). \$240,000.
- 2019-2020. SEAMAP: Alabama Reef fish surveys via vertical longlines and bottom longlines. NMFS via Alabama Marine Resources Division (S. Powers PI). \$113,000.
- 2019-2021. An Ecosystem Based fisheries monitoring and assessment for coastal Alabama, Synthesis. S. Powers (PI) NFWF, Gulf Environmental Benefit Fund (via subcontract from Alabama Marine Resource Division). \$1,319,000.
- 2019-2022. Monitoring Structural Integrity and Ecological Benefits of Inshore and Offshore Constructed Reefs Phase II. (S. Powers). NFWF, Gulf Environmental Benefit Fund (via subcontract from Alabama Marine Resource Division). \$1,400,000.
- 2019-2020. Reef fish research in the Alabama Artificial Reef Permit Zone. 2019 -2020. U.S. Fish and Wildlife, Sport Fish Restoration Fund via Alabama Department of Conservation and Natural Resources, Marine Resources Division, (R. Shipp and S.P. Powers, PIs). \$130,000.
- 2018-2021. Estimating the absolute abundance of Red Snapper in the U.S. Gulf of Mexico. PIs Greg Stunz et al. MS/AL Seagrant and National Marine Fisheries Service. \$10,000,000. S.P. Powers portion \$675,000.
- 2017-2021. Discard mortality and the efficacy of descender devices in reducing discard mortality of greater amberjack (*Seriola dumerili*) in the Gulf of Mexico recreational hook-and-line fishery. (S. Powers and E. Bohaboy) National Marine Fisheries Service's Marine Fisheries Initiative (MARFIN) Grant Program. \$333,002.
2021. Reef fish research in the Alabama Artificial Reef Permit Zone. 2021. U.S. Fish and Wildlife, Sport Fish Restoration Fund via Alabama Department of Conservation and Natural Resources, Marine Resources Division, (R. Shipp and S.P. Powers, PIs). \$68,000.
- 2016-2018. Monitoring Structural Integrity and Ecological Benefits of Inshore and Offshore Constructed Reefs. (S. Powers and J.M. Drymon). NFWF, Gulf Environmental Benefit Fund (via subcontract from Alabama Marine Resource Division). \$1,098,000.
- 2014-2019. An Ecosystem Based fisheries monitoring and assessment for coastal Alabama. S. Powers (PI) NFWF, Gulf Environmental Benefit Fund (via subcontract from Alabama Marine Resource Division). \$4,219,000.
- 2015-2018. Alabama Center for Ecological Resilience (ACER, J. Valentine PI). Oyster subcomponent: Resilience of oyster reefs and other suspension feeders to oil spills and response activities.

- (S. Powers, Lead component PI). Gulf of Mexico Research Initiative (GOMRI RFP IV) \$496,460.
- 2017-2018. Reef fish research in the Alabama Artificial Reef Permit Zone. 2017. U.S. Fish and Wildlife, Sport Fish Restoration Fund via Alabama Department of Conservation and Natural Resources, Marine Resources Division, (R. Shipp and S.P. Powers, PIs). \$82,000.
- 2016-2017. Reef fish research in the Alabama Artificial Reef Permit Zone. 2016. U.S. Fish and Wildlife, Sport Fish Restoration Fund via Alabama Department of Conservation and Natural Resources, Marine Resources Division, (R. Shipp and S.P. Powers, PIs). \$84,000.
- 2016-2017. Change-in-Ratio Methods for Estimating Recreational Exploitation Rate and Absolute Abundance of Gulf of Mexico Red Snapper (S. Powers, J. Drymon, J. Hoenig, L. Carlton). MS/AL Seagrant. \$100,000.
- 2015-2016. Reef fish research in the Alabama Artificial Reef Permit Zone. 2015. U.S. Fish and Wildlife, Sport Fish Restoration Fund via Alabama Department of Conservation and Natural Resources, Marine Resources Division, (R. Shipp and S.P. Powers, PIs). \$60,000.
- 2014-2017. A novel method for estimating recreational boat effort from enforcement cameras. S. Powers (PI), NOAA, via subcontract from Alabama Department of Conservation and Natural Resources. \$28,000.
- 2014-2015. Intra- and inter estuary movement of tarpon and red drum in coastal Alabama II. U.S. Fish and Wildlife, Sport Fish Restoration Fund via Alabama Department of Conservation and Natural Resources, Marine Resources Division, (S. P. Powers, PIs). \$37,000. (U. South Al.)
- 2014-2017. Assessing the current status of red drum (*Sciaenops ocellatus*) in the northern Gulf of Mexico: a multistate cooperative effort. S. Powers, PI. NMFS Saltonstall Kennedy Fisheries Program. \$399,500.
- 2014-2015. Reef fish research in the Alabama Artificial Reef Permit Zone. U.S. Fish and Wildlife, Sport Fish Restoration Fund via Alabama Department of Conservation and Natural Resources, Marine Resources Division, (S. P. Powers and R. Shipp, PIs). \$225,000.
- 2014-2016. SEAMAP: Alabama Reef fish surveys. NMFS via Alabama Marine Resources Division (S. Powers and M. Drymon, PIs). \$579,200.
- 2013-2014. Intra- and inter estuary movement of tarpon and red drum in coastal Alabama. U.S. Fish and Wildlife, Sport Fish Restoration Fund via Alabama Department of Conservation and Natural Resources, Marine Resources Division, (S. P. Powers, PIs). \$37,000.
- 2013-2015. Ecosystem-Based Fisheries Assessment of Reef Fishes in the Northcentral Gulf of Mexico. NMFS MARFIN (S. Powers and J.M. Drymon, PIs). \$322,000.
- 2012-2017. Assessment of decapod crustaceans as sentinel estuarine species. Collaborative with UNO and USM (S. Powers, PI). U.S. Dept. of Interior, Bureau of Ocean Energy Management \$1,200,000 (\$399,300. U. South AL).

- 2012-2014. Dendritic Polymers as Biocompatible Dispersants for Oil Spill Mitigation. U.S. Environmental Protection Agency (D. Ladner, P. Ke1 [Clemson], S. Powers and A. Whelton [USA]. \$500,000 (204,000 U. South AL.).
- 2010-2012. Scientific support for oyster damage assessment associated with the Deepwater Horizon Incident. NOAA, Natural Resource Damage Assessment, via Industrial Economics, Inc. \$1,200,000.
- 2013-2014. Red Snapper and Greater Amberjack research in the Alabama Artificial Reef Permit Zone. U.S. Fish and Wildlife, Sportsman Restoration Fund via Alabama Department of Conservation and Natural Resources, Marine Resources Division, (S. P. Powers and R. Shipp, PIs). \$204,660.
- 2012-2013. Oyster Reef Restoration Success Metrics-Post Doc Support. The Nature Conservancy, Marine Initiative (S.P. Powers, PI) \$44,000.
- 2012-2013. Alabama Artificial Reef Research Program: Red Snapper ecology and Greater Amberjack discard mortality. Sportsman Restoration Fund via Alabama Department of Conservation and Natural Resources, Marine Resources Division, (S. P. Powers and R. Shipp, PIs). \$288,000.
- 2012-2014. A Decision Support Toolkit for the Functional Design of Structures in Living Shorelines. (B. Webb, S. Douglas and S. Powers, PI's). MS/AL Sea Grant. \$130,000.
- 2010-2014. Sustainable coastal pelagic fisheries. NOAA (S. P. Powers, J. Dindo and R.L. Shipp). \$750,000.
- 2010-2012. Ecological and fisheries implications of red snapper (*Lutjanus campechanus*) and gag (*Mycteroperca microlepis*) interactions. NOAA MARFIN (S. Powers, PI). 303,188.
- 2010-2013. SEAMAP: Alabama Reef fish surveys. NMFS via Alabama Marine Resources Division (S. Powers, PI). \$385,000.
- 2009-2013. Prince William Sound Herring Survey: Top-down regulation by predatory fish on juvenile herring. NOAA Exxon Valdez Oil Spill Trustee Council (M. Bishop and S. Powers, PIs). \$678,900 (\$210,000 U. South AL.).
- 2009-2012. Alabama oyster reef and fisheries habitat enhancement program (R. Shipp and S.P. Powers). National Marine Fisheries Service, \$ 798,000.
- 2011-2012. Impacts of the *Deepwater Horizon* Accident on food web structure in the north-central Gulf of Mexico, (J. Valentine, S. Powers, M. Drymon and C. Martin). \$165,000. Northern Gulf Institute.
- 2010-2011. Assessing fisheries resources in response to the Deep Water Horizon Oil Spill, Northern Gulf Institute (S. P. Powers, PI), \$88,000.

- 2010-2011. Trophic interactions in floating *Sargassum* communities of the Gulf of Mexico: potential consequences of habitat degradation. NSF Biological Oceanography (S. Powers and F. Hernandez, PI's). 155,000.
- 2011-2012. Red Snapper and Amberjack Fisheries Assessment and Enhancement. Alabama Sportsman Restoration Fund, Department of Conservation and Natural Resources, (R. Shipp and S. P. Powers, PI). \$150,000.
- 2009-2012. Coastal Alabama economic recovery and ecological restoration project: creating jobs to protect shorelines, oyster reefs and enhance fisheries production. (K. Heck, J. Cebrian, S. Powers with the Nature Conservancy) NOAA Habitat Office, \$3,200,000. (\$265,000 U South AL component).
- 2011-2012. Floating *Sargassum* communities of the Gulf of Mexico: data collection for the continued assessment of associated faunal assemblages, trophic interactions and habitat function in the wake of the Deepwater Horizon Oil Spill (F. Hernandez, S. Powers, and J.M. Drymon). Gulf of Mexico Research Initiative, 203,000.
- 2010-2011. Investigating the fisheries impacts of the deep water Horizon disaster through socioeconomic surveys. Alabama Marine Environmental Sciences Consortium: Deepwater Horizon Initiative, (Sean Powers and Steven Scyphers, PIs) \$14,375.
- 2010-2011. Improving Deepwater Horizon risk assessment for large pelagic rays: Global-scale position via satellite telemetry. Alabama Marine Environmental Sciences Consortium: Deepwater Horizon Initiative, (Sean Powers and Matt Ajemian, PIs) \$14,375.
- 2008-2012. Dauphin Island Sea Lab finfish and shellfish nursery habitat restoration and monitoring project. (J. Cebrian, R. Aronson, K. Heck, and S. Powers, PI's). Alabama Department of Conservation and Natural Resources, \$1,500,000.
- 2008-2010 Nursery origins of adult gag grouper, gray snapper, and lane snapper from the northern Gulf of Mexico: onshore-offshore connectivity of reef fishes and contribution of seagrass meadows to fishery production. NOAA/NMFS Marine Fisheries Initiative (MARFIN), (K. Heck, S.P. Powers and F. J. Fodrie, PI's). \$180,000.
- 2006-2012. Fisheries Oceanography of Coastal Alabama-FOCAL (M. Graham, S. Powers, F. Hernandez, K. Heck and K. Park, PI's). Alabama Department of Conservation and Natural Resources, \$5,000,000. (\$2,100,000 fish component).
- 2008-2010. Tracking Movements of Lingcod *Ophiodon elongatus* in Prince William Sound Using Acoustic Tags and Arrays: Expanding PWSSC Partnerships, Infrastructure and Capacity. (M. A. Bishop and S.P. Powers, PI's). Prince William Sound Oil Spill Recovery Institute and the Pacific Ocean Shelf Tracking Network (POST). \$155,000 (\$40,000 U. South Al. component).
- 2009-2011. Apex Predator Dynamics. (S.P. Powers, PI). NMFS Shelby Center for Ecosystem Fisheries Management. \$355,000.

- 2009-2011. Setting up CAAMP (Coastal Alabama Acoustic Monitoring Program) (S.P. Powers, M. Ajemeian, M. Drymon, PI's). NMFS Shelby Center for Ecosystem Fisheries Management. \$89,000.
- 2008-2010. Apex Predator Dynamics. (S.P. Powers, PI). NMFS Shelby Center for Ecosystem Fisheries Management. \$144,000.
- 2008-2010. Age distribution and abundance estimates of adult red drum (*Sciaenops ocellatus*) in offshore waters of the north-central Gulf of Mexico. NOAA/NMFS Marine Fisheries Initiative (MARFIN), (S.P. Powers and M.W. Johnson, PI's). \$198,026.
- 2009-2010. Tracking Movements of Lingcod *Ophiodon elongatus* in Prince William Sound Using Acoustic Tags and Arrays: Phase II – Hintchinbrook Entrance Infrastructure and Capacity. (S.P. Powers and M. A. Bishop, PIs). Pacific Ocean Shelf Tracking Network (POST). \$89,000 (\$53,000 U. South AL. component).
- 2008-2009. Using stable isotopes to explore trophic connectivity in sharks in the northern Gulf of Mexico. Alabama/Mississippi Sea Grant Program. (S. Powers and M. Drymon, PI's). \$9,920.
- 2007-2010. Addressing challenges to oyster reef restoration in Mobile Bay (S. Powers, K. Park, and M. Johnson, PI's). National Marine Fisheries Service via USA Oyster Reef and Fisheries Habitat Enhancement Program. \$365,700.
- 2007-2009. Ecology of barrier island salt ponds in coastal Alabama (S. Powers and G. Miller, PI's). U.S. Environmental Protection Agency via the Alabama Center for Estuarine Studies (ACES). \$48,200.
- 2007-2009. Sources and fate of snapper (Lutjanidae) early life history stages in Alabama shelf waters: Temporal and spatial occurrence of red snapper (*Lutjanus campechanus*) and vermilion snapper (*Rhomboplites aurorubens*) eggs and larvae (S. Powers, W. Graham, F. Hernandez and K. Bayha, PI's). National Marine Fisheries Service, MARFIN. \$281,465.
- 2006-2009. Estimating the relative importance of northern Gulf nursery habitats to adult fish populations: studies of gray snapper (*Lutjanus griseus*) and gag grouper (*Mycteroperca microlepis*) (K. Heck, S. Powers and F. Fodrie, PI's). National Marine Fisheries Service via USA Oyster Reef and Fisheries Habitat Program. \$380,000.
- 2006-2009. Alabama oyster reef and fisheries habitat enhancement program (R. Shipp, S.P. Powers, and K.L. Heck). National Marine Fisheries Service, \$2,403,000.
- 2006-2009. Nearshore survey of coastal elasmobranchs (S. Powers and J. Dindo, PI's). Vessel and Personnel support. National Marine Fisheries Service, Mississippi Lab.
- 2007-2008. Residency and Movements of Copper Rockfish *Sebastes caurinus* and Lingcod *Ophiodon elongatus* in Nearshore Areas of Prince William Sound (S. Powers and M. A. Bishop, PI's) North Pacific Research Board, \$125,000 (\$45,000 USA Component).



- 2004-2008. Assessing trophic linkages between platforms and pelagic fishes using ultrasonic telemetry and active acoustics. Minerals Management Service, LSU Coastal Marine Institute. (M. Benfield and S.P. Powers, PI's). \$260,000 (\$50,000 USA).
- 2006-2007. Artificial reefs as habitat mitigation in Prince William Sound, Alaska. U.S. Fish & Wildlife Service (M. Bishop, S. Powers, and B. Reynolds, PI's). \$39,000 (\$10,000 USA Portion).
- 2003-2008. Alabama oyster reef restoration program. National Marine Fisheries Service (R. Shipp and S.P. Powers, PI's). \$2,600,000.
- 2004-2007. Trophic dynamics of intertidal soft-sediment communities: interaction between top-down and bottom-up processes. Exxon Valdez Oil Spill Trustee Council, Gulf of Alaska Ecosystem Monitoring and Research Program (S.P. Powers and M.A. Bishop, PI's). \$360,000 (\$135,000 USA portion).
- 2005-2007. Responses of fish and crabs to nearshore habitat degradation in Lake Pontchartrain caused by Hurricanes Katrina and Rita. National Science Foundation (NSF 0601805), Biological Oceanography Program. (S.P. Powers and M.C. Benfield, PI's). \$180,000 (\$90,000 USA portion).
- 2004-2007. Ecology of the Copper River Delta, Alaska. Prince William Sound Oil Spill Recovery Institute ( M.A. Bishop and S.P. Powers, PI's). \$298,500 (\$125,000 U. South Al. portion).
- 2005-2007. Assessment of red drum spawning and ichthyoplankton abundance in Alabama coastal waters. (W. Graham & S. Powers). Compass Port, Inc. \$278,000.
- 2004-2007. Baseline monitoring for ichthyoplankton and demersal fish in Alabama coastal waters (W. Graham, S. Powers, K. Heck, K. Park, W. Schroeder, and J. Dindo PI's). \$1,500,000 Compass Port, Inc. \$619,000 for fish component.
- 2003-2006. Ecological benefits of oyster reef restoration: An experimental approach. National Marine Fisheries Service via USA Oyster Reef Restoration Program (K. Heck, J. Cebrian and S.P. Powers, PI's). \$179,000.
- 2003-2006. Quantifying fisheries benefits of oyster reef restoration in Mobile Bay. National Marine Fisheries Service via USA Oyster Reef Restoration Program (S. P. Powers and K. Heck, PI's). \$184,150.
- 2003-2006. Estuaries as essential fish habitat for salmonids: Assessing residence time and habitat use of coho and sockeye salmon in Alaska estuaries. North Pacific Research Board (S.P. Powers, G. Reeves and M.A. Bishop, PI's). \$400,000 (\$175,000 U. South Al. portion).
- 2003-2004. Trophic dynamics of intertidal soft-sediment communities: interaction between top-down and bottom-up processes. Exxon Valdez Oil Spill Trustee Council, Gulf of Alaska Ecosystem Monitoring and Research Program (S.P. Powers and M.A. Bishop, PI's). \$100,000 (\$35,000 U. South Al. portion)

- 2003-2004. Ecology of the Copper River Delta, Alaska. Prince William Sound Oil Spill Recovery Institute (M.A. Bishop and S.P. Powers). \$99,500 (\$40,000 U. South Al. portion).
- 2003-2005. The influence of landscape setting on *Perkinus marinus* dynamics: Implications for oyster reef restoration. NOAA Seagrant. (C.H. Peterson and S.P. Powers, PI's) \$156,730
- 2003-2005. Bay scallop-cownose ray interactions: managing fisheries around predator driven sinks. North Carolina Sea Grant (S.P. Powers, PI) \$52,000.
- 2002-2003. Tidal flats of the Copper River Delta, AK as critical habitat for demersal fishes. Prince William Sound Oil Spill Recovery Institute (M.A. Bishop, S.P. Powers and C.H. Peterson, PI's).
- 2002-2003. Restoration of razor clams (*Siliqua patula*) in Southeastern Prince William Sound, Alaska. NOAA/Ocean Trust (S.P. Powers and M.A. Bishop, PI's).
- 2001-2003. Prevalence and severity of *Perkinus marinus* infection in created oyster reefs: Implications for the use of sanctuaries in regional restoration programs. NOAA Seagrant (w/ C.H. Peterson).
- 2001-2002. Conservation and restoration of razor clams (*Siliqua patula*) on the Copper River Delta, Alaska. US Fish and Wildlife Service, Coastal Programs. (w/ M.A. Bishop)
- 2000-2002. Distribution of marine invertebrates in relation to shorebird use in the Copper River Delta, Alaska. Prince William Sound, Oil Spill Recovery Institute (w/ CH Peterson & M.A. Bishop).
- 2000-2002. Post-doctoral Fellowship: Distribution of marine invertebrates in the Copper River Delta, Alaska. Prince William Sound, Oil Spill Recovery Institute (OSRI).
- 2000-2002. Enhancement of Hard Clam (*Mercenaria mercenaria*) and Eastern Oyster (*Crassostrea virginica*) Growth and Health by Manipulations of Water Flow. North Carolina Seagrant, Fisheries Resource Grant Program.
- 1999-2002. Importance of secondary dispersal in determining patterns of spatial abundance in macro-invertebrate communities. National Science Foundation, Biological Oceanography Program (NSF 97-31718). (w/ C.H. Peterson).
- 1997-1998. NOAA Seagrant Dean John Knauss Marine Policy fellowship.

### **Presentations & Abstracts**

Coffil-Rivera, M. and S.P. Powers. 2024. Reproductive Biology of Two Groupers in Alabama, USA: Preliminary Results. American Fisheries Society Annual Meeting, Honolulu, Hawaii.

Kiene, D., S.P. Powers and J.F. Mareska. 2024. Management Intervention Influences Trajectory of a Declining Stock. American Fisheries Society Annual Meeting, Honolulu, Hawaii.

Swinea, S., J.M. Drymon, S.P. Powers and S.B. Scyphers. 2024. Fishermen's knowledge elicited through social methods informs co-management of reef fish species. American Fisheries Society Annual Meeting, Honolulu, Hawaii.

Branham, C., S.P. Powers, M. Dance. 2024. Vertical habitat use of greater amberjack in the Northern Gulf of Mexico. American Fisheries Society Annual Meeting, Honolulu, Hawaii.

Schultz, M., S.P. Powers, and M.A. Dance. Greater Amberjack (*Seriola dumerili*) Size and Distribution on Natural and Artificial Habitats. American Fisheries Society Annual Meeting, Honolulu, Hawaii.

Powers, S.P., M.A. Albins, C.L. Hightower, and J. Hoenig. 2024. Estimating absolute abundance from fishery independent surveys of reef fish. American Fisheries Society Annual Meeting, Honolulu, Hawaii.

C.L. Hightower, D. Kiene, M. Albins, and S.P. Powers. TagAlabama an angler-based tagging program to determine movement and mortality rates. American Fisheries Society Annual Meeting, Honolulu, Hawaii.

Munoz-Abril, L. and S. P. Powers. 2024. Reproductive Biology of Two Groupers in Alabama, USA. World Fisheries Congress, Seattle, WA.

Kirkland, A., M. Albins, S. Powers, and T. Cox. 2024. Examination of trophic organization at shallow water artificial reefs in the northern Gulf of Mexico: do reefs support secondary production? Ocean Sciences Meeting, New Orleans, LA.

Cox, T., K. S. Boyle, M. Albins, E. Swisshelm, S. Powers, and J. Cebrian. 2024. Net community and Chl a production at artificial reefs in the northeastern Gulf of Mexico. Ocean Sciences Meeting, New Orleans, LA.

Keine, D., M. Albins, and S. P. Powers. 2024. Management Intervention Influences Trajectory of a Declining Stock. Alabama Chapter of the American Fisheries Society, Guntersville State Park, AL.

Jung, A., M. Albins, C. Hightower, and S. Powers. Comparison between Spherical Baited Remote Underwater Video (SBRUV) and Remotely Operated Vehicle (ROV) surveys in offshore Alabama. Alabama Chapter of the American Fisheries Society, Guntersville State Park, AL.

Coffill-Rivera, M.E. and S. P. Powers. 2024. Relative abundance, habitat use, and size structure of Scamp *Mycteroperca phenax* across an artificial reef network. Alabama Chapter of the American Fisheries Society, Guntersville State Park, AL.

Munoz-Abril, L. and S. P. Powers. 2024. Variation in reproductive characteristics of Red Snapper (*Lutjanus campechanus*) in the northcentral Gulf of Mexico. Alabama Chapter of the American Fisheries Society, Guntersville State Park, AL.

Osowski, A., Drymon, J.M. and S. P. Powers. More than just a time series: the value of fishery-independent surveys for delineating habitat suitability. Alabama Chapter of the American Fisheries Society, Guntersville State Park, AL.

Albins, M.A., S. P. Powers et al. 2024. Does size really matter? Evaluating the effects of artificial reef size on fish abundance and diversity in the Alabama Artificial Reef Permit Zone. Alabama Chapter of the American Fisheries Society, Guntersville State Park, AL.

Hightower, C.L., S. P. Powers, and D. Kiene. 2024. Tag Alabama: Angler Engagement and Data Collection Through Collaborative Saltwater Recreational Tagging. Alabama Chapter of the American Fisheries Society, Guntersville State Park, AL.

Albins, M.A., C.L. Hightower, C. Newton, and S. P. Powers. 2019. Response of Alabama marine and estuarine fishes to artificial reef addition and enhancement. Alabama Chapter meeting of the American Fisheries Society, Spanish Fort, Alabama February 21-22.

McDonald, J. and S. P. Powers. 2019. Spatial distribution and abundance of Greater amberjack (*Seriola dumerili*) in the Alabama artificial reef permit zone (AARPZ). Alabama Chapter meeting of the American Fisheries Society, Spanish Fort, Alabama February 21-22.

Kim, E. and S. P. Powers. 2019. Gray snapper (*Lutjanus griseus*) abundance and distribution in the Alabama artificial reef permit zone. Alabama Chapter meeting of the American Fisheries Society, Spanish Fort, Alabama February 21-22.

T. R. Nelson and S.P. Powers. 2019. Individual variability in salinity use of Red drum (*Sciaenops ocellatus*). Alabama Chapter meeting of the American Fisheries Society, Spanish Fort, Alabama February 21-22.

Hightower, C.L. and S. P. Powers. 2018. Assessing the current status of Red Drum in the northern Gulf of Mexico. MS/AL Bays and Bayous Symposium, Mobile, AL November 28-29.

Powers, S.P., M.A. Albins, and J. Mareska. 2018. An assessment of southern flounder in Alabama coastal waters. MS/AL Bays and Bayous Symposium, Mobile, AL November 28-29.

O'Connell1, M.T., M. S. Peterson, S. P. Powers, A. M. Uzee-O'Connell1, E. J. Anderson, and J. R. Hendon. 2018. Assessing aquatic community composition, habitat, and environmental conditions in the northern Gulf of Mexico over a three decadal period: 1986-2015. Ecological Society of America Annual Meeting, New Orleans, LA, August 4-8.

Livernois, M.C, and S.P. Powers. 2018. Co-occurrence and habitat associations of two estuarine sportfish, Red Drum and Spotted Seatrout, in coastal Alabama. Alabama Chapter Meeting, American Fisheries Society, February 22-23, Ft. Payne, AL.

Thongda, W., H. Zhao, D. Zhang, L. N. Jescovitch, M. Liu, X. Guo, M. Schrandt, S.P. Powers, and E. Peatman. Development of SNP panels as a new tool to assess the genetic diversity, population structure, and parentage analysis of the Eastern Oyster (*Crassostrea virginica*). Alabama Chapter Meeting, American Fisheries Society, February 22-23, Ft. Payne, AL.

Nelson, T. R. and S. P. Powers. 2018. Tournament catch-and-release mortality and dispersal of Red Drum and Spotted Sea Trout. Alabama Chapter Meeting, American Fisheries Society, February 22-23, Ft. Payne, AL.

Hightower, C.L., S. P. Powers and J.M. Drymon. Distribution and age composition of Red Snapper *Lutjanus campechanus* across the inner continental shelf of the northern Gulf of Mexico. Alabama Chapter Meeting, American Fisheries Society, February 22-23, Ft. Payne, AL.

Sackett, D., M. Catalano, J. M. Drymon and S.P. Powers. 2018. Estimating Red Snapper exploitation rates using a high-reward tag-recapture approach: Insights into the Alabama Red Snapper fishery. Alabama Fisheries Association Annual Meeting, January 30-31, Auburn University.

Powers, S. P. and C. Louallen-Hoghtower. 2018. Estimating reef fish abundance in the Alabama artificial Reef Zone. Alabama Fisheries Association Annual Meeting, January 30-31, Auburn University.

Nelson, T. and S. P. Powers. 2018. Assessing Red Drum mortality via acoustic tagging in Alabama. Alabama Fisheries Association Annual Meeting, January 30-31, Auburn University.

Powers, S.P., R. L. Shipp, J.M. Drymon, M.J. Powers, C.L. Hightower and A. Jefferson. 2017. Evidence for Variable Recruitment of Red Snapper in the Northcentral Gulf of Mexico. American Fisheries Society Annual Meeting, August. Tampa, Florida.

Sackett, D., M. Catalano, J. M. Drymon and S.P. Powers. 2017. High Reward Tagging to Estimate Red Snapper Exploitation in the Northern Gulf of Mexico off Alabama. American Fisheries Society Annual Meeting, August. Tampa, Florida.

White, S., M. Albins, J. M. Drymon and S.P. Powers. 2017. Lionfish Abundance and Distribution in the Alabama Artificial Reef Zone. American Fisheries Society Annual Meeting, August. Tampa, Florida.

Walter, J.F., M. Karnauskas, M. Campbell, A. Pollack, J.M. Drymon and S.P. Powers. 2017. The Spatial Context of the Attraction/Production Debate, Red Snapper Distribution on Artificial Reefs, Oil Rigs and Natural Habitats. American Fisheries Society Annual Meeting, August. Tampa, Florida.

Hightower, C.L., J.M. Drymon, J. Mareska and S.P. Powers. 2017. Using Action Cameras to Correct for Red Snapper Depredation Events during Fishery-Independent Surveys in Alabama's Artificial Reef Permit Zone. American Fisheries Society Annual Meeting, August. Tampa, Florida.

Livernois, M., S.P. Powers, K.L. Heck, and F.J. Fodrie. 2017. Ecological Interactions and Resource Partitioning of Two Estuarine Predators, Red Drum (*Sciaenops ocellatus*) and Spotted Seatrout (*Cynoscion nebulosus*). American Fisheries Society Annual Meeting, August. Tampa, Florida.

Thongda, W., Zhao, H., Zhang, D., Beck, B., Liu, M., Guo, X., M. Schrandt, S.P. Powers and E. Peatman. 2017. Development of SNP Panels As a New Tool to Assess the Genetic Diversity, Population Structure, and Parentage Analysis of the Eastern Oyster (*Crassostrea virginica*). American Fisheries Society Annual Meeting, August. Tampa, Florida.

Nelson, T.R. and S. P. Powers. 2017. Direct Estimates of Red Drum (*Sciaenops ocellatus*) Mortality in Coastal Alabama. American Fisheries Society Annual Meeting, August. Tampa, Florida.

Powers, S.P. 2017. Effects of the Deepwater Horizon Oil Spill and associated response activities on nearshore ecosystems. Gulf of Mexico Oil Spill Conference, February. New Orleans, LA.

Cox, E., M. Albins, J.M. Drymon, S.P. Powers, and J. Cebrian. 2016. Assessing the ecological benefits of new artificial reef network in northern Gulf of Mexico. Mississippi-Alabama SeaGrant Bays and Bayous Symposium, November, Biloxi, MS.

Hightower, C.L., J.M. Drymon, J. Mareska, and S.P. Powers. 2016. Using action cameras to correct for Red Snapper depredation events during fishery-independent surveys in Alabama's Artificial Reef Permit Zone. Mississippi-Alabama SeaGrant Bays and Bayous Symposium, November, Biloxi, MS.

Cebrian, J., S. Sharma, J. Goff, D. Byron, J. DeQuattro, C. Ferraro, J. Haner, K. Heck, C. Hightower, S.P. Powers, and S. Scyphers. 2016. Efficacy of "Living shoreline" restoration designs for environmental betterment: Lessons learned from multi-year projects in coastal Alabama. Mississippi-Alabama SeaGrant Bays and Bayous Symposium, November, Biloxi, MS.

Drymon, J.M., G. Borchett, K. Dahl, and S.P. Powers. 2017. A novel approach for mitigating depredation, a source of cryptic fishing mortality for Gulf of Mexico Red Snapper. Mississippi-Alabama SeaGrant Bays and Bayous Symposium, November, Biloxi, MS.

Livernois, M. and S.P. Powers. 2016. Utilization of a coastal estuary by a demersal finfish family (Sciaenidae): Implications for habitat associations and ecological interactions. Mississippi-Alabama SeaGrant Bays and Bayous Symposium, November, Biloxi, MS.

Nelson, T. and S.P. Powers. 2016. Validation of otolith and vertebral chemistry salinity relationships. Mississippi-Alabama SeaGrant Bays and Bayous Symposium, November, Biloxi, MS.

Schrandt, M. and S.P. Powers. 2016. Inside the black box of Blackfish: Tagging Atlantic Tripletail in Alabama coastal waters. Mississippi-Alabama SeaGrant Bays and Bayous Symposium, November, Biloxi, MS.

Spearman, T., J.M. Drymon, and S.P. Powers. 2016. Spatial dynamics of demersal communities in the northcentral Gulf of Mexico. Mississippi-Alabama SeaGrant Bays and Bayous Symposium, November, Biloxi, MS.

Drymon, J.M., J.T. Froeske, A.M. Kroetz, J. Mareska, and S.P. Powers. 2016. Sex-specific seasonal changes in community dynamics of a northern Gulf of Mexico coastal shark assemblage. Annual Meeting of the American Elasmobranch Society (AES).

Powers, S. P., S. Rouhani, M. C. Baker, H. Roman, J.H. Grabowski, J. M. Willis, and M. W. Hester. 2016. Loss of oysters as a result of the *Deepwater Horizon* Oil Spill degrades nearshore ecosystems and disrupts facilitation. Gulf of Mexico Oil Spill Conference, Tampa, FL. February 2-6.

Valentine, J.F., C.W. Martin, J.M. Drymon, T. Spearman, and S.P. Powers. 2016. Analysis of long-term datasets indicates heterogeneous impacts resulting from the Deepwater Horizon accident on nekton in the northcentral Gulf of Mexico. Annual Benthic Ecology Meeting, Portland, Maine.

Valentine, J.F., C. W. Martin, J.M. Drymon, T. Spearman, and S.P. Powers. 2016. Analysis of long-term datasets indicates heterogeneous impacts resulting from the Deepwater Horizon accident on nekton in the northcentral Gulf of Mexico. Gulf of Mexico Oil Spill Conference, Tampa, FL. February 2-6.

Drymon, J.M., G.M. Borchert, and S.P. Powers. 2015. A novel approach for mitigating depredation, a source of cryptic fishing mortality for Gulf of Mexico Red Snapper. Annual meeting of the American Fisheries Society (AFS).

Carlton, L., J. M. Drymon, J. Walter, M. Lauretta, S.P. Powers, and J. Hoenig. 2015. Evaluating effects of recreational fishing at red snapper hot spots using index-removal methods. Annual meeting of the American Fisheries Society (AFS).

Stone, L., J.M. Drymon, and S.P. Powers. 2015. Biotelemetry based estimates of Greater Amberjack (*Seriola dumerili*) post-release mortality in the northern Gulf of Mexico. Annual meeting of the American Fisheries Society (AFS).

Kroetz, A., J.M. Drymon, C.H. Liam, and S.P. Powers. 2015. Preliminary large-scale movements of Atlantic Tarpon (*Megalops atlanticus*) determined from pop-off archival tags. Annual meeting of the American Fisheries Society (AFS).

Drymon, J. M., M. A. Ajemian, and S. P. Powers. 2014. Dynamic habitat use of young bull sharks (*Carcharhinus leucas*) in a northern Gulf of Mexico Estuary. Mississippi Alabama SeaGrant Consortium Bays and Bayous conference.

Stone, L., S. P. Powers, and J. M. Drymon. 2014. Discard mortality and spatial dynamics of greater amberjack (*Seriola dumerili*). Mississippi Alabama SeaGrant Consortium Bays and Bayous conference.

Hightower, C.L., S. P. Powers, J. M. Drymon. 2014. Evaluating the current status of red drum (*Sciaenops ocellatus*) in offshore waters of the North Central Gulf of Mexico: an update on abundance, age composition, and mortality. Mississippi Alabama SeaGrant Consortium Bays and Bayous conference.

Kroetz, A.M., J.M. Drymon, and S.P. Powers SP. 2014. Tracking Alabama's state saltwater fish, Atlantic tarpon (*Megalops atlanticus*), using satellite telemetry. Mississippi Alabama SeaGrant Consortium Bays and Bayous conference.

Kroetz, A.M., J. M. Drymon, S.P. Powers SP. 2014. Tracking Alabama's state saltwater fish, Atlantic tarpon (*Megalops atlanticus*), using acoustic and satellite telemetry. Biennial meeting of the Gulf Estuarine Research Society (GERS).

Drymon, J. M., M. A. Ajemian, and S. P. Powers. 2014. Dynamic habitat use of young bull sharks (*Carcharhinus leucas*) in a northern Gulf of Mexico Estuary. Annual meeting of the American Elasmobranch Society (AES).

Powers, S.P., and J. M. Drymon. 2013. Preparing for ecosystem-based management: a fisheries-independent sampling program for reef fish in the northern Gulf of Mexico. Annual meeting of the Gulf and Caribbean Fisheries Institute, Corpus Christi, TX November 4-8.

Dimens, P., J. M. Drymon, and S. P. Powers. 2013. Using a landing sling to fill the data gap left by really big fish. Annual meeting of the Gulf and Caribbean Fisheries Institute. Corpus Christi, TX November 4-8.

Hightower, C.L. and S. P. Powers. 2013. Examining Current Mercury Concentrations in northern Gulf of Mexico Red Drum. Annual meeting of the Gulf and Caribbean Fisheries Institute. Corpus Christi, TX November 4-8.

Powers, S.P., C. L. Hightower, and J. M. Drymon. 2013. Age composition and distribution of red drum (*Sciaenops ocellatus*) in offshore waters of the northcentral Gulf of Mexico: An evaluation of a stock under a harvest moratorium. American Fisheries Society Annual Meeting, Little Rock, AK. August.

Powers, S.P., and J.M. Drymon. 2013. Density-dependent predation creates sink populations in a shallow water benthic system. Annual meeting of the American Elasmobranch Society (AES).

Drymon, J.M., L. Carassou and S. P. Powers. 2013. Multi-scale investigation of the factors affecting the distribution of sharks in the Gulf of Mexico. Annual meeting of the American Elasmobranch Society (AES).

Fodrie, F.J., M. D. Kenworthy, M.D., S. P. Powers, J. M. Fear, J. H. Grabowski, C. A. Layman, C. H. Peterson. 2013. Landscape-scale movement of red drum in a diverse estuarine habitat mosaic: can we really identify 'essential fish habitat'? American Fisheries Society Annual Meeting, Little Rock, AK. August.

Baggett, L. P. S. P. Powers, R. Brumbaugh, L. Coen, B. DeAngelis, B. Hancock, and S. Morlock. 2012. Developing monitoring guidelines and criteria for measuring performance of oyster restoration projects. Restore America's Estuaries Conference, Tampa, FL. October 22-25.

Coen, L., L. P. Baggett, S. P. Powers, R. Brumbaugh, B. DeAngelis, B. Hancock, and S. Morlock. 2012. Evaluating Oyster Reef Restoration: Critical ecosystem-services based metrics. Restore America's Estuaries Conference, Tampa, FL. October 22-25

Baggett, L. P. S. P. Powers, R. Brumbaugh, L. Coen, B. DeAngelis, B. Hancock, and S. Morlock. 2012. Definition and measurements of reef area and vertical relief of restored oyster reefs. Restore America's Estuaries Conference, Tampa, FL. October 22-25.

Park, K., S. P. Powers, G. S. Bosarge and H.S. Jung. 2012. Plugging the leak: Barrier island restoration following Hurricane Katrina enhances habitat quality for oysters in Mobile Bay, Al. Mississippi & Alabama Bays and Bayous Symposium, Biloxi, MS. November 14-15.

Drymon, J.M. , S. P. Powers, A. M. Kroetz, K. Feldheim, J. Gautreaux and F. Moore. 2012. Are tiger sharks a seasonal conduit of terrestrial energy into marine foodwebs? Mississippi & Alabama Bays and Bayous Symposium, Biloxi, MS. November 14-15.

Hightower, C. L., S. P. Powers and D. W. Evans. 2012. Examining current mercury concentrations in northern Gulf of Mexico red drum. Mississippi & Alabama Bays and Bayous Symposium, Biloxi, MS. November 14-15.



Baggett, L. P., S. P. Powers, R. Brumbaugh, L. Coen, B. DeAngelis, B. Hancock and S. Morlock. 2012. Developing monitoring guidelines and criteria for judging the success of oyster restoration projects. Mississippi & Alabama Bays and Bayous Symposium, Biloxi, MS. November 14-15.

Pabody, C.M., S. P. Powers, K. Heck, J. Cebrian, and S. Scyphers. 2012. Fisheries enhancement by “Living Shorelines” — Does this concept work in coastal Alabama waters? Mississippi & Alabama Bays and Bayous Symposium, Biloxi, MS. November 14-15.

Gregalis, K., L. Schlenker, J. M. Drymon, J. Mareska and S. P. Powers. 2012. Evaluating the performance of vertical longlines to survey reef fish populations in the northern Gulf of Mexico. Mississippi & Alabama Bays and Bayous Symposium, Biloxi, MS. November 14-15.

Kroetz, A. M., S. P. Powers, J. M. Drymon and M. Ajemiam. 2012. Anthropogenic impacts on the movement of a small coastal shark. Mississippi & Alabama Bays and Bayous Symposium, Biloxi, MS. November 14-15.

Free, C., J. M. Drymon and S. P. Powers. 2012. The impact of the Deepwater Horizon Oil Spill on the composition of marine megafauna in the Gulf of Mexico. Mississippi & Alabama Bays and Bayous Symposium, Biloxi, MS. November 14-15.

Schrandt, M.N., A. C. Ortmann and S. P. Powers. 2012. Coastal pelagic fish resources in the Gulf of Mexico: A population genetics analysis. Mississippi & Alabama Bays and Bayous Symposium, Biloxi, MS. November 14-15.

Spearman, T. P., N. A. Adams, D. M. Perez, J. M. Drymon and S. P. Powers. 2012. Expanding fisheries independent surveys into Alabama’s artificial reef permit zones: traditional gear meets the unconventional. Mississippi & Alabama Bays and Bayous Symposium, Biloxi, MS. November 14-15.

Jackson, J., S. Garner, J. M. Drymon and S. P. Powers. 2012. Estimating release mortality in the Gulf of Mexico greater amberjack (*Seriola dumerili*) stock with acoustic telemetry. Mississippi & Alabama Bays and Bayous Symposium, Biloxi, MS. November 14-15.

Stone, L.C., A. M. Kroetz, J. M. Drymon and S. P. Powers. 2012. The influence of depth on the distribution and composition of apex predators in the Northern Gulf of Mexico. Mississippi & Alabama Bays and Bayous Symposium, Biloxi, MS. November 14-15.

Kroetz, A., J.M. Drymon, and S.P. Powers. 2012. Did the Closure of Katrina Cut Impact the Movements of a Coastal Shark? American Elasmobranch Society Annual Meeting, Vancouver, Canada. August 12-16.

Drymon, J. M, S. P. Powers, A. Kroetz, K. Feldheim, J. Gautreaux, and F. Moore. 2012. Are tiger sharks a seasonal conduit of terrestrial energy into marine foodwebs? American Elasmobranch Society Annual Meeting, Vancouver, Canada. August 12-16.

Drymon, M., L. Carrasou and S. P. Powers. 2011. Multi-Scale Investigation of the Factors Affecting the Distribution of Sharks in the Gulf of Mexico. American Fisheries Society, Annual Meeting, Seattle, WA September 5-10.

Ajemian, M. and S. P. Powers. 2011. Impacts of Cownose Rays (*Rhinoptera bonasus*) to northern Gulf of Mexico Shellfish Resources: An Integrated Approach. American Fisheries Society, Annual Meeting, Seattle, WA September 5-10.

Powers, S.P. and T. M. Soniat. 2011. Bad Year(s): Recent and continued challenges to oyster reef restoration in the northcentral Gulf of Mexico. National Shellfish Association Annual Meeting, Baltimore, MD March 27-31.

Valentine, M., S.P. Powers, M. Ajemian and J.M. Drymon. 2011. Coastal Alabama Acoustic Monitoring Program (CAAMP): Tracking Elasmobranch Fauna in Mobile Bay. 40<sup>th</sup> Annual Benthic Ecology Meeting, Mobile, AL March16-20.

Scyphers, S., S. P. Powers, K. Heck and D. Byron. 2011. Oyster Reefs as Natural Breakwaters Mitigate Shoreline Loss and Facilitate Fisheries. 40<sup>th</sup> Annual Benthic Ecology Meeting, Mobile, AL March16-20.

Schlenker, L., K. Gregalis, J. M. Drymon, and S. P. Powers. 2011. Multiple-Gear Fisheries Independent Assessment of the Red Snapper Population in Alabama's Reef Permit Zone. 40<sup>th</sup> Annual Benthic Ecology Meeting, Mobile, AL March16-20.

Sharma, S., J. Goff, D. Byron, J. Cebrian, K. Heck and S. Powers. 2011. Potential Impacts of Restored Oyster Reefs on Water Quality and Submerged Aquatic Vegetation. 40<sup>th</sup> Annual Benthic Ecology Meeting, Mobile, AL March16-20.

Kroetz, A. and S. P. Powers. 2011. Ecology of Bonnethead Sharks (*Sphyrna tiburo*) in the Northern Gulf of Mexico. 40<sup>th</sup> Annual Benthic Ecology Meeting, Mobile, AL March16-20.

Kenworthy, M. and S. P. Powers. 2011. Uncertainty Enhances Cascading Effects of Top Predators: a Test of the Risk Allocation Hypothesis. 40<sup>th</sup> Annual Benthic Ecology Meeting, Mobile, AL March16-20.

Hightower, C., S. P. Powers and M. W. Johnson. 2011. Age Distribution and Abundance Estimates of Adult Red Drum *Sciaenops ocellatus* in Offshore Waters of the North Central Gulf of Mexico. 40<sup>th</sup> Annual Benthic Ecology Meeting, Mobile, AL March16-20.

Drymon, J. M. S. P. Powers and R. H. Carmichael. 2010. Trophic plasticity in the Atlantic sharpnose shark (*Rhizoprionodon terraenovae*) from the north central Gulf of Mexico. Bays and Bayous Symposium, MS-AL Seagrant, Mobile, AL. December 1-2.

Valentine, M.M., S. P. Powers, M. Ajemian, and M. Drymon. 2010. Coastal Alabama Acoustic Monitoring Program (CAAMP): Tracking Elasmobranch Fauna in Mobile Bay. Bays and Bayous Symposium, MS-AL Seagrant, Mobile, AL. December 1-2.

Carassou, L., B. Dzwonkowski, F.J. Hernandez, S. P. Powers, K. Park and W. M. Graham. 2010. Environmental Influences on Marine Fish Recruitment in Alabama Coastal Waters. Bays and Bayous Symposium, MS-AL Seagrant, Mobile, AL. December 1-2.

- Kroetz, A. M., J. M. Drymon, J. Dindo and S. P. Powers. 2010. Evaluating the Importance of Nearshore Waters for Coastal Sharks in the Northern Gulf of Mexico. Bays and Bayous Symposium, MS-AL Seagrant, Mobile, AL. December 1-2.
- Ajemian, M.J., and S.P. Powers. 2010. Impacts of cownose rays (*Rhinoptera bonasus*) to the north-central Gulf of Mexico: An integrated approach. Bays and Bayous Symposium, MS-AL Seagrant, Mobile, AL. December 1-2. [Poster]
- Kenworthy, M. and S. P. Powers. 2010. Understanding the effects of temporal variations of predation risk on prey behavior: A test of the Risk Allocation Hypothesis. Bays and Bayous Symposium, MS-AL Seagrant, Mobile, AL. December 1-2.
- Hightower, C. L., S. P. Powers, and M. W. Johnson. 2010. Age Distribution and Abundance Estimates of Adult Red Drum *Sciaenops ocellatus* in Offshore Waters of the North Central Gulf of Mexico. Bays and Bayous Symposium, MS-AL Seagrant, Mobile, AL. December 1-2.
- Gregalis, K., J. M. Drymon, S. P. Powers, and J. Mareska. 2010. Fisheries Independent Sampling Program in the Northern Gulf of Mexico: Alabama's Reef Permit Zone. Bays and Bayous Symposium, MS-AL Seagrant, Mobile, AL. December 1-2.
- Scyphers, S. B., S. P. Powers, K. L. Heck, D. Byron. 2010. Oyster Reefs as Natural Breakwaters Mitigate Shoreline Loss and Facilitate Fisheries. Bays and Bayous Symposium, MS-AL Seagrant, Mobile, AL. December 1-2.
- Moore, L., K. Watson, J. McKee, J. DeQuattro, K. Heck, S. P. Powers, and J. Cebrian. 2010. Using breakwaters to restore emergent salt marsh and sea grass meadows in the Northern Gulf of Mexico. MS-AL Seagrant, Mobile, AL. December 1-2.
- Scyphers, S.B., F. J. Fodrie, S. P. Powers, G. W. Stunz, F. J. Hernandez, R. L. Shipp. 2010. Are there 'big ones' left in the Gulf of Mexico: evidence from fishery-dependent catch data and inter-generational perceptions among anglers. Bays and Bayous Symposium, MS-AL Seagrant, Mobile, AL. December 1-2. [Poster]
- Miller, G.A. and S. P. Powers. 2010. Ecology of barrier island salt ponds in the northern Gulf of Mexico: fish and avian communities. Bays and Bayous Symposium, MS-AL Seagrant, Mobile, AL. December 1-2.
- Bawden, N.E. and S.P. Powers. 2010. Seasonal Times Series of Oyster Spat Settlement: Comparison of 2006-2007 Data with Historical Data from 1967. Bays and Bayous Symposium, MS-AL Seagrant, Mobile, AL. December 1-2. [Poster]
- Dzwonkowski, B., K. Park. H.K. Ha, W.M. Graham, F. J. Hernandez and S.P. Powers. 2010. The influence of Mobile Bay on the hydrographic variability of the inner Alabama Shelf. Bays and Bayous Symposium, MS-AL Seagrant, Mobile, AL. December 1-2.
- Sharma, S., J. Goff, D. Byron, J. Cebrian, K. Heck, and S. Powers. 2010. Potential Impacts of Restored Oyster Reefs on Water Quality and Submerged Aquatic Vegetation. Bays and Bayous Symposium, MS-AL Seagrant, Mobile, AL. December 1-2.

Moody, R.M., S. M. Kerner, J. Cebrian, K. L. Heck, Jr. and S. P. Powers. 2010. Alteration of Salt-Marsh Floral Communities Induced by Shoreline Erosion. Bays and Bayous Symposium, MS-AL Seagrant, Mobile, AL. December 1-2.

Drymon, J.M. and S.P. Powers. 2010. Correspondence between the distribution of some shark species and primary productivity in the Gulf of Mexico across multiple scales. International Council for the Exploration of the Seas (ICES) annual Science Conference, September 20-25. Nantes, France. ICES CM 2010/E:23.

Drymon, J.M. and S.P. Powers. 2010. Stable isotope analysis of a coastal predator and available prey reveal trophic plasticity in the Atlantic sharpnose shark (*Rhizoprionodon terraenovae*). International Council For the Exploration of the Seas (ICES) annual Science Conference, September 20-25. Nantes, France. ICES CM 2010/E:27

Scyphers, S.B., S.P. Powers, and K.L. Heck. 2010. Restored oyster reefs as natural breakwaters for estuarine shorelines. Gulf and South Atlantic States Shellfish Conference, Orange Beach, AL. September.

Miller, G.A. and S.P. Powers. The impact of piscivorous birds on the fish assemblage of barrier island salt ponds. 39<sup>th</sup> Benthic Ecology Meeting, March 10-13.

Brodeur, M.C., F. J. Fodrie, B. J. Toscano and S.P. Powers. 2010. Starving prey and scary predators: resource availability and condition influence prey behavioral responses to predation risk. 39<sup>th</sup> Benthic Ecology Meeting, March 10-13.

Toscano, B. J., F. J. Fodrie, S. L. Madsen, and S.P. Powers. 2010. Multiple prey effects: agonistic behaviors between prey species enhances consumption by their shared predator. 39<sup>th</sup> Benthic Ecology Meeting, March 10-13.

Hightower, C.L., S. P. Powers and M. W. Johnson. 2010. Age distribution and abundance of adult red drum (*Sciaenops ocellatus*) in offshore waters of the north central Gulf of Mexico. Alabama Fisheries Association Annual Meeting, Florence, Alabama.

Kroetz, A., J. M. Drymon, J. Dindo, and S. P. Powers. 2010. Cross shelf distribution of coastal sharks in the northern Gulf of Mexico. Alabama Fisheries Association Annual Meeting, Florence, Alabama.

Scyphers, S.B., F. J. Fodrie, F.J. Hernandez, S.P. Powers and R.L. Shipp. 2009. Insight to fishermen's views on the health of marine recreational stocks: integrating long-term tournament records and participant surveys to gauge size-selective harvest concerns. American Fisheries Society Annual Meeting, Nashville, TN Aug 29-Sep 2.

Shaffer, N., R.L. Shipp, and S. P. Powers. 2009. Temporal changes in early life history growth of red snapper: evidence for compensation? American Fisheries Society Annual Meeting, Nashville, TN Aug 29-Sep 2.

Graham, W.M., F. J. Hernandez, and S. P. Powers. 2009. Design and implementation of a marine biological baseline study in the northern Gulf of Mexico. American Fisheries Society Annual Meeting, Nashville, TN Aug 29-Sep 2.

Hernandez, F.J., S. P. Powers, and W. M. Graham. 2009. Variability in larval fish distribution and abundance in the northern Gulf of Mexico. American Fisheries Society Annual Meeting, Nashville, TN Aug 29-Sep 2.

Ajemian, M. and S.P. Powers. 2009. An Integrative Approach to Evaluating the Ecological Role of Spotted Eagle Rays (*Aetobatus narinari*) in Bermuda. American Elasmobranch Society Annual Meeting, Portland, Oregon Jul 24-28.

Drymon, J.M., S.P. Powers, and J. Dindo. 2009. Comparing Distributions of Sharks among Estuarine, Coastal and Oceanic Regions of the Gulf of Mexico. American Elasmobranch Society Annual Meeting, Portland, Oregon Jul 24-28.

Fodrie, F.J., S.P. Powers, M. Ajemian, G.W. Stunz, and R. L. Shipp. 2009. Basin-Wide Decrease in Large Sharks Documented by a Unique Eight-Decade Dataset from the Gulf of Mexico. American Elasmobranch Society Annual Meeting, Portland, Oregon Jul 24-28.

Hernandez, F.J., S. P. Powers, and W. M. Graham. 2009. Jellyfish Predation on Ichthyoplankton in the Northern Gulf of Mexico: Estimating the Impact on Recruitment and Fisheries. American Fisheries Society, Early Life-History Section Annual Meeting, Portland, Oregon Jul 24-28.

Muffelman, S., R. Collini, F. Hernandez, K. Bayha, S. P. Powers, W.M. Graham. 2009. Spatial and Temporal Distributions of Vermilion Snapper (*Rhomboplites aurorubens*) and Red Snapper (*Lutjanus campechanus*) Eggs and Larvae in the Northern Gulf of Mexico. American Fisheries Society, Early Life-History Section Annual Meeting, Portland, Oregon Jul 24-28.

Powers, S.P., F.J. Fodrie and G.W. Stunz. 2009. Basin-wide decrease in large sharks documented by a unique eight-decade data set from the Gulf of Mexico. Benthic Ecology Meeting, Corpus Christi, Texas.

Miller, G.A. and S.P. Powers. 2009. The potential impact of predator and habitat size on the fish assemblage of barrier island ponds. Benthic Ecology Meeting, Corpus Christi, Texas.

Graham, W M, F.J. Hernandez, Jr., and S.P. Powers. 2009. Contribution of jellyfish predation to ichthyoplankton mortality: is there enough to matter to the stock? ASLO Aquatic Sciences Meeting, Nice, France. January 25-30, 2009.

Powers, S. P., K. Park, C. Kim, J. E. Herrmann, and B. LaCour. 2008. Correspondence Between Oyster Recruitment Patterns Measured Five Decades Apart in Mobile Bay, AL: Implications for Oyster Reef Restoration. International Conference on Shellfish Restoration, SC SeaGrant, Charleston, SC. November 19-22

Johnson, M. W., S. P. Powers, J. Senne, K. Park. 2008. Evaluation of the Impact that Moderate Hypoxia Can Have on Oyster Growth at Potential Reef Restoration Sites in Mobile Bay, AL. International Conference on Shellfish Restoration, SC SeaGrant, Charleston, SC. November 19-22.

Fodrie, F.J., M. D. Kenworthy, S. P. Powers. 2008. Can Stone Crabs Provide Biological Control Against Southern Oyster Drills and Increase Eastern Oyster Survivorship? International Conference on Shellfish Restoration, SC SeaGrant, Charleston, SC. November 19-22.

Scyphers, S. B., S. P. Powers, K.L. Heck, Jr., M. Lott. 2008 Evaluating the Benefits of Landscape-Scale Oyster Reef Restoration: A Tool for Promoting Living-Shorelines? International Conference on Shellfish Restoration, SC SeaGrant, Charleston, SC. November 19-22.

Powers, S.P., M.J. Powers, K. L. Heck, R. L. Shipp. 2008. Alabama Oyster Reef and Fisheries Habitat Enhancement Program. International Conference on Shellfish Restoration, SC SeaGrant, Charleston, SC. November 19-22 [Poster]

Ajemian, M.J. and S. P. Powers. 2008. Seasonal Abundance and Feeding Ecology of Cownose Rays (*Rhinoptera bonasus*) from the Northern Gulf of Mexico. Bays and Bayous Symposium, MS/AL SeaGrant, Biloxi, Mississippi. October 28-29.

Bosarge, G.S. and S. P. Powers. 2008. Use of Acoustic Benthic Survey Techniques to Assess Estuarine and Marine Fisheries Habitats Along Coastal Alabama. Bays and Bayous Symposium, MS/AL SeaGrant, Biloxi, Mississippi. October 28-29.

Kim, C.K., K. Park, and S.P. Powers. 2008. Transport and Retention of Oyster Larvae in a Shallow and Wide Estuarine System. Bays and Bayous Symposium, MS/AL SeaGrant, Biloxi, Mississippi. October 28-29.

Miller, G.A. and S. P. Powers. A Mid Trophic Level Look at the Species-Area Relationship and Species-Abundance Distributions Using Barrier Island Salt Ponds. Bays and Bayous Symposium, MS/AL SeaGrant, Biloxi, Mississippi. October 28-29 [Poster]

Kroetz, A., M. Drymon, and S.P. Powers. Sharky Chemistry: Using Stable Isotopes to Evaluate Trophic Dynamics of Sharks in the Northern Gulf of Mexico. Bays and Bayous Symposium, MS/AL SeaGrant, Biloxi, Mississippi. October 28-29 [Poster]

Fodrie, F.J., K.L. Heck Jr, S.P. Powers, W.M. Graham, and K.L. Robinson 2008. Decadal-Scale Assemblage Changes of Seagrass-Associated Fishes in the Northern Gulf of Mexico: Are They Climate Related? Bays and Bayous Symposium, MS/AL SeaGrant, Biloxi, Mississippi. October 28-29.

Johnson, M.W., S.P. Powers, J. Senne, and K. Park. 2008. How Long Can an Oyster Hold Its Breath? Using Biological and Physical Data to Estimate Reef Restoration Requirements in Hypoxia Prone Areas of Mobile Bay, Alabama. Bays and Bayous Symposium, MS/AL SeaGrant, Biloxi, Mississippi. October 28-29

Scyphers, S.B, S.P. Powers, K.L. Heck, Jr. and M.A. Lott. 2008. Quantifying the Fisheries Benefits of Landscape-Scale Oyster Reef Restoration: A Tool for Promoting "Living-Shorelines". Bays and Bayous Symposium, MS/AL SeaGrant, Biloxi, Mississippi. October 28-29

Heck, K.L., S.P. Powers, D.A. Byron and S. Scyphers. 2008. Oyster Reef and Estuarine Landscape Restoration. Bays and Bayous Symposium, MS/AL SeaGrant, Biloxi, Mississippi. October 28-29.

Drymon, J.M. and S.P. Powers. 2008. Quantifying Regional Differences in Shark Abundance and Distribution: A Step Towards Ecosystem Management. Fifth World Fisheries Congress, Yokohama, Japan.

Drymon, M. and S.P. Powers. 2008. Quantifying Regional Differences in Shark Abundance and Distribution: A Step Towards Ecosystem Management. American Elasmobranch Society Annual Meeting. Montreal, Canada. July 23-28.

Myers, R.A., J.K. Baum, T.D. Shepherd, S.P. Powers, and C.H. Peterson. 2008. Are there cascading ecosystem effects of depleting the oceans' great sharks? American Elasmobranch Society Annual Meeting. Montreal, Canada. July 23-28.

Steeves, C., K. L. Heck Jr., S. P. Powers, and S. Scyphers. 2008. The effects of breakwater oyster reefs on coastal ecosystems in the Northern Gulf of Mexico. Benthic Ecology Meeting, Providence, RI. April 9-13.

Johnson, M.W. and S. P. Powers. 2008 Utilization of restored reefs by juvenile fishes: How do community profile, species richness, and abundances compare to seagrass and unstructured habitats. Benthic Ecology Meeting, Providence, RI., April 9-13.

Fodrie, F.J., H.L. Heck, Jr., and S.P. Powers. 2008. Community structure, recruitment potential and climate-related faunal shifts of fishes in northern Gulf of Mexico seagrass meadows. Benthic Ecology Meeting, Providence, Rhode Island. April 10-12.

Madsen, S.L., S.P. Powers and F.J. Fodrie. 2008. Behaviorally mediated indirect interactions increase predation in a multiple prey assemblage. (Oral) Benthic Ecology Meeting, Providence, Rhode Island. April 10-12.

Miller, G.A. and S.P. Powers. 2008. A mid trophic level look at the species-area relationship and species-abundance distributions using barrier island salt ponds. Benthic Ecology Meeting, Providence, Rhode Island. April 10-12.

Scyphers, S., S. P. Powers, K. L. Heck Jr. and C. Steeves. 2008. Shoreline Stabilization and Fisheries Benefits of Oyster Reef Restoration in Coastal Alabama. 100th Annual National Shellfisheries Association Meeting, Providence, RI. April 6-10. (Oral)

Williams, S.Y., F.J. Fodrie, H.L. Heck, Jr., and S.P. Powers. 2008. Nursery origins of adult snapper from the northern Gulf of Mexico: Onshore-offshore connectivity of reef fishes and contribution of seagrass meadows to fishery production. (Poster) ASLO, Orlando, Florida. March 2-7.

Ajemian, M.J. and S.P. Powers. 2008. Movements of Bermudian spotted eagle rays (*Aetobatus narinari*) inferred from passive acoustic monitoring. Tag2008: International Symposium on Advances of Fish Marking and Tagging Technology, University of Auckland, February 24-28.

Johnson, M.W. and S.P. Powers. 2008. Evaluating potential impacts of red snapper (*Lutjanus campechanus*) on recruitment of vermilion snapper (*Rhomboplites aurorubens*): project overview and summary Alabama Fisheries Association Meeting, Perdido Beach, AL., February 15-16

Reynolds, B.F., S.P. Powers, and M.A. Bishop. 2008. Artificial reefs as restoration tools for Alaska's coastal waters. Alaska Marine Science Symposium, Anchorage, Alaska, January 20-23.

Powers, S.P and M. Benfield. 2007. Response of Fishes and Mobile Invertebrates to Benthic Habitat Degradation Resulting from Hurricane Landfall. 19th Biennial Conference of the Estuarine Research Federation, Providence, Rhode Island, November 4-8.

Heck, K.L., J. Cebrian, S. P. Powers, K. Major, D.A. Byron, R. Plutchak, and N. Geraldi. 2007. Ecosystem Services Provided by Oyster Reefs: an Experimental Assessment. 19th Biennial Conference of the Estuarine Research Federation, Providence, Rhode Island, November 4-8.

Cebrian, J., C. D. Foster, R. Plutchak, K. Sheehan, A. Anton, M. Miller, K. Major, K. Heck and S. P. Powers. 2007. The impact of Hurricane Ivan on the Primary Productivity and Metabolism of Marsh Tidal Creeks in the North Central Gulf of Mexico. 19th Biennial Conference of the Estuarine Research Federation, Providence, Rhode Island, November 4-8.

Scyphers S., S. P. Powers, K.L. Heck Jr. and C. Steeves. 2007. Restoring Estuarine Landscapes in Coastal Alabama Through Creation of Oyster Reefs. NGI Mobile Bay Collaborative Meeting. Dauphin Island, AL. November 4. (Oral).

Ajemian, M.J., S.P. Powers, N.R. Geraldi, and T.J.T. Murdoch. 2007. Movements of spotted eagle rays (*Aetobatus narinari*) in Harrington Sound, Bermuda. Annual meeting of the American Society of Ichthyologists and Herpetologists, St. Louis, July 11-16.

Drymon, J.M. and S.P. Powers. 2007. Distributions of coastal sharks in the northern gulf of Mexico: preliminary temporal data. American Elasmobranch Society Meeting, St. Louis, Missouri, July 11-16.

Kenworthy, M., S. P. Powers, and F. J. Fodrie. 2007. Multiple predator effects within oyster reefs: foraging behavior of oyster drills and stone crabs on a common resource. Benthic Ecology Meeting, Georgia Tech University, March 22-25.

Geraldi, N., S. P. Powers, and M. C. Benfield. 2007. Responses of fish and crabs to nearshore habitat degradation following Hurricane Katrina. Benthic Ecology Meeting, Georgia Tech University, March 22-25.

Kim, C. K., K. Park, S. P. Powers, K. M. Bayha, and W. M. Graham. 2007. A Model Study of Oyster Larval Transport in Mobile Bay and the Adjacent Eastern Mississippi Sound, AL. Benthic Ecology Meeting, Georgia Tech University, March 22-25.

Miller, G. A., S. P. Powers, and M. A. Bishop. 2007. Impacts of reduced predator diversity on intertidal infauna in the Copper River Delta, Alaska. Benthic Ecology Meeting, Georgia Tech University, March 22-25.

Johnson, M.W. and S. P. Powers. 2007. Evaluating the potential impacts of red snapper on recruitment of vermilion snapper. Alabama Fisheries Association Meeting, Perdido, AL. Feb 20-22.

Powers, S.P., M. A. Bishop and G. H. Reeves. 2007. Estimating estuarine residence time of sockeye and coho salmon in the Copper River estuary. Alaka Marine Sciences Symposium, Anchorage, Alaska. January 21-23.



Powers, S.P. and R. L. Shipp. 2006. Evaluating ecological and fisheries expectations in determining success of oyster reef restoration. Restore America's Estuaries, Annual Meeting, New Orleans, LA December 11-13.

Powers, S.P., K. Gregalis, and K. L. Heck. 2006. Restoration of oyster reefs in coastal Alabama: assessing the relative importance of larval recruitment, environmental setting and predation in designing an effective restoration program. International Conference on Shellfish Restoration, Charleston, SC. Nov 14-17.

Hernandez, F. Jr., S.P. Powers, K. Park and W.M. Graham. 2006. Winter ichthyoplankton assemblages in the northern Gulf of Mexico: vertical distributions and offshore intrusions. American Fisheries Society Annual Meeting (Larval Fish Symposium), Lake Placid, New York . September 7-12.

Beck, A., S. Muffelman, F. J. Hernandez, Jr., S.P. Powers and W. M. Graham. 2006. A comparison of mesh sizes for the collection of ichthyoplankton in the northern Gulf of Mexico. American Fisheries Society Annual Meeting (Larval Fish Symposium), Lake Placid, New York . September 7-12.

Powers, S.P. 2006. Density dependent predation creates sink populations in a shallow water benthic system. Benthic Ecology Annual Meeting, Quebec, Canada. March 8-12.

Geraldi, N. and S.P. Powers. 2006. Trait mediated interaction in a common estuarine food web- Red drum, blue crabs, and hard clams. Benthic Ecology Annual Meeting, Quebec, Canada. March 8-12.

Gregalis, K.C. and S. P. Powers. 2006. Evaluating fisheries benefits of restored oyster reefs along an environmental gradient. American Fisheries Society, Southern Division Annual Meeting. San Antonio, Texas. February 9-11.

Powers, S.P. 2006. The impact of large schools of migratory cownose rays on local shellfish populations: source sink dynamics. American Fisheries Society, Southern Division Annual Meeting. San Antonio, Texas. February 9-11.

Kline, T.C., C.A. Woody, M.A. Bishop, S.P. Powers, G.H. Reeves, R. Doucett and E.E. Knoulsen. 2006. Preliminary assessment of marine-derived nutrients in the Copper River Delta, Alaska using stable isotope analysis. Alaska Marine Sciences Symposium, Anchorage, Alaska. January 21- 24.

Powers, S.P., M.A. Bishop, G. Reeves. 2006. Determination of estuarine residence time of sockeye and coho salmon from otolith microchemistry. Alaska Marine Sciences Symposium, Anchorage, Alaska. January 21- 24.

M.A. Bishop and S.P. Powers. 2006. Ecology of nearshore areas of the Copper River Delta. Alaska Marine Sciences Symposium, Anchorage, Alaska. January 21- 24.

Powers, S.P., M. A. Bishop, G. Reeves. Estuaries as essential fish habitat for juvenile coho and sockeye salmon in Alaska. American Fisheries Society Annual Meeting, Anchorage, Alaska. Sep 12-15, 2005. [Invited Presentation]

Benfield, M.C., S.F. Keenan, S.P. Powers, H. Brown, N. Geraldi, and M. Sisak. 2005. Blue runner movement patterns and feeding ecology around a Gulf of Mexico petroleum platform. American Fisheries Society Meeting, Anchorage, AK. Sep 12-15, 2005. [Invited Presentation]

Miller, G.A. and S.P. Powers. 2005. Species-richness-productivity relationships in fish: Potential influences of phylogenetic similarity, trophic level and structure. American Fisheries Society Meeting, Anchorage, AK. Sep 12-15, 2005. [Poster]

Gregalis, K.C. and S.P. Powers. 2005. Evaluating fisheries benefits of restored oyster reefs along an environmental gradient. American Fisheries Society Annual Meeting, Anchorage, Alaska. Sep 12-15, 2005. [Poster]

Powers, S.P. 2005. Creation/restoration of reef habitat as compensatory mitigation for natural resource damages: Comparison of fisheries benefits from inshore versus offshore reefs. Eight International Conference on Artificial Reef Habitat, Biloxi, Mississippi. April 10-14, 2005.

Powers, S.P. and M.A. Bishop. 2005. Plenary talk: Ecology of the Copper River Delta. Alaska Marine Sciences Symposium, Anchorage, Alaska. January 22- 25.

Bishop, M.A., S.P. Powers, and G. Reeves. 2005. Estuarine residence of coho and sockeye smolts within the Copper River Delta Estuary. Alaska Marine Sciences Symposium, Anchorage, Alaska. January 22- 25. [Poster]

Benfield, M.C., S.F. Keenan, and S.P. Powers. 2005. 3-D Acoustic localization of pelagic fishes around petroleum platforms. Minerals Management Service, Information Transfer Meeting, New Orleans, Louisiana.

Powers, S.P. and K.L. Heck, Jr. 2004. Restoration of oyster reefs in Mobile Bay, Alabama. Evaluating expectations of fishery benefits across an environmental gradient. International Conference on Shellfish Restoration, Charleston, SC.

Heck, K.L., Jr., J. Cebrian, and S.P. Powers. 2004. Ecosystem services provided by oyster reefs: an Experimental assessment. International Conference on Shellfish Restoration, Charleston, SC. [Poster]

Grabowski, J.H., S.P. Powers, and C.H. Peterson. 2004. Growth and survivorship of non-native (*Crassostrea gigas* and *C. ariakensis*) versus native eastern (*C. virginica*) oysters. International Conference on Shellfish Restoration, Charleston, SC. [Poster]

Powers, S.P., M.J. Powers and P. Murphey. 2004. Application of source-sink dynamics to management and conservation of marine fisheries: cownose ray – bay scallop interactions. 4<sup>th</sup> World Fisheries Congress, Vancouver, Canada.

Powers, S.P., J.H. Grabowski and H.S. Lenihan. 2004. Reconciling Harvest versus habitat conflicts: restoration of oyster reef in estuaries. 4<sup>th</sup> World Fisheries Congress, Vancouver, Canada. [Poster]

Geraldi, N., S.P. Powers and M.A. Bishop. 2004. Evidence for bottom-up regulation in a subarctic benthic habitat, the Copper River Delta, Alaska. Benthic Ecology Meeting, Mobile, Alabama. [Poster]

Grabowski, J.H., S. P. Powers, and C. H. Peterson. 2003. Biological and economic value of restored oyster reef habitat to the nursery function of estuaries. Estuarine Research Federation Annual Meeting, Seattle, Washington.

Powers, S.P. and M.A. Bishop. 2003. Spatial and temporal variation in the foodweb of a subarctic estuary: implications for local and regional populations of fish and birds. Estuarine Research Federation Annual Meeting, Seattle, Washington. [Poster]

Vandenburgh, E.M., C.H. Peterson and S.P. Powers. 2003. Creating an experimental spawning sanctuary of the hard clam *Mercenaria mercenaria* in the NERRS Rachel Carson reserve, Beaufort, NC. Estuarine Research Federation Annual Meeting, Seattle, Washington. [Poster]

Grabowski, J.H., S.P. Powers, and C.H. Peterson. 2003. Valuation of ecosystem benefits of restored oyster reefs. Ecological Society of America Annual Meeting, Savannah, Georgia.

Vandenburgh, E.H., S.P. Powers, and M.A. Bishop. 2003. Restoration of the razor clam fishery in southeastern Prince William Sound and the Copper River Delta, Alaska. Benthic Ecology Meeting, Groton Connecticut.

Powers, S.P. and C.H. Peterson. 2002. Prevalence and severity of *Perkinsus marinus* infection in created oyster reef sanctuaries: implications for management and restoration of oysters. International Conference on Shellfish Restoration. Charleston, NC. November 19.

Vandenburgh, E., S.P. Powers, and M.A. Bishop. 2002. Incorporating science and traditional knowledge in the restoration of razor clams, *Siliqua patula*, in southcentral Alaska. International Conference on Shellfish Restoration. Charleston, NC. November 19. [Poster]

Powers, S.P., J.H. Grabowski, C.H. Peterson, and W.J. Lindberg. 2002. Estimation of expectation and uncertainty of augmented fish production of artificial reef. Benthic Ecology, Orlando, Florida.

Gregalis, K., S.P. Powers, M. Boykin. 2002. Is the dissolution of gypsum molds a sufficient proxy for water motion in ecological studies? Benthic Ecology, Orlando, Florida [Poster].

Powers, M.J., D.W. Gaskill, and S.P. Powers. 2002. Habitat type may mediate foraging behavior and success of red drum, *Sciaenops ocellatus*. Benthic Ecology, Orlando Florida [Poster].

Alperin, M.J., B.J. Ream, Y. Nie, and S. P. Powers. 2002. Controls on the benthic oxygen flux in estuarine sediments: impact of macrobenthic organisms during a long-term laboratory experiment. AGU/ASLO Ocean Sciences.

Clesceri, E.J., J. H. Grabowski, S. P. Powers, C. H. Peterson, C. S. Martens, M. A. Bishop. 2001. Carbon and nitrogen isotopic tracing of organic matter flow in two intertidal estuaries of Southcentral Alaska. North American Benthological Society Meeting, Lacrosse WI. June 2-8.

Peterson, C. H., S. P. Powers<sup>†</sup> and E. Vandeburgh. 2001. Linking hypoxia-induced degradation of benthic resources to fisheries in the Neuse River Estuary. North Carolina Water Resources Research Conference. March 29.

Buzzelli, C. P., S. P. Powers, R. A. Luettich, Jr., H. W. Paerl, C. H. Peterson and J. Pinckney. 2001. Estimating the spatial extent of bottom water hypoxia and benthic resource degradation in the Neuse River Estuary, North Carolina. North Carolina Water Resources Research Conference. March 29.

Powers, S. P. and J. H. Grabowski. 2001. The influence of hydrodynamic setting on species interactions within intertidal oyster reefs. Benthic Ecology Meeting, University of New Hampshire March 15-18.

Grabowski, J. H., S. P. Powers and C. H. Peterson. 2001. Restoring oyster reefs for fish: estimating enhanced secondary production of restored oyster reefs. Benthic Ecology Meeting, University of New Hampshire March 15-18.

Peterson, C. H., H. S. Lenihan, J. H. Grabowski and S. P. Powers. 2001. Oyster depletion and reef destruction: the consequences and potential for restoration of ecosystem services. Benthic Ecology Meeting, University of New Hampshire March 15-18. [Poster].

Powers, S. P., C. H. Peterson and J. H. Grabowski. 2000. Restoring oyster reefs for fish: Estimating enhanced secondary production of restored oyster reefs. International Conference for Shellfish Restoration, Hilton Head, SC. November 15-18.

Peterson, C. H., S. P. Powers<sup>†</sup>, M. Dozier, G. Johnson, and R. Christian 2000. Does the value of essential fish habitat in the Neuse River Estuary vary with annual severity of hypoxia? North Carolina Water Resources Research Conference. March 30.

Kittinger, J. N. and S. P. Powers. 2000. Hydrodynamic mediation of predator-prey interactions. Benthic Ecology Meeting, Wilmington, NC. March 10-12.

Powers, S. P., J. H. Grabowski, and C.H. Peterson. 2000. The influence of hydrodynamic setting on colonization and species interactions in intertidal oyster reefs. Benthic Ecology Meeting, Wilmington, NC. March 10-12.

Fodrie, F., C. H. Peterson, S. P. Powers, and H. C. Summerson. 2000. Metapopulation dynamics of bay scallops: mechanisms creating population sinks where least expected. Benthic Ecology Meeting, Wilmington, NC. March 10-12.

Grabowski, J. H., M. Hooper, and S. P. Powers. 2000. Improved methods for aquaculture of hard clams. Aquaculture Meeting, Virginia Institute of Marine Sciences, February 17.

Powers, S. P. and J. Kittinger. 1999. Does flow speed interact with intra and interspecific processes in soft-sediment benthic communities? Estuarine Research Federation Biennial Meeting, New Orleans, Louisiana September 25-19.

Powers, S. P. and C. H. Peterson. 1999. Hydrodynamic facilitation of a density dependent process: response of bay scallops to density manipulations under varying flow regimes. Benthic Ecology Meeting, Baton Rouge, Louisiana, March 26-29.

### **Invited Seminars**

2013. Policy Challenges revealed by the assessment of ecological damage from the Deepwater Horizon Oil Spill in the Gulf of Mexico, Cambridge University, UK.
2011. Multiple predator effects and marine fisheries management. Loyola University, New Orleans, November 14.
2011. Preparing for ecosystem based fisheries management. University of Southern Mississippi, GCRL, November 8.
2011. Establishing a fisheries independent sampling program to support ecosystem based fisheries management in the northern Gulf of Mexico. Gulf of Mexico Fishery Management Council April meeting, Orange Beach, FL.
2010. Plenary Talk: Coastal ecosystem resilience and resistance in relation to the Deepwater Horizon Oil Spill. National office of Science Joint Subcommittee on Ocean Science and Technology (**JSOST**), Deepwater Horizon Oil Sill Principal Investigator Conference
2008. Habitat loss and restoration in coastal Alabama, National Oceanic and Atmospheric Administration, Silver Springs, Maryland.
2007. Cascading effects of the loss of predatory sharks from the coastal ocean. Bermuda Zoological Society, Bermuda.
2004. The ecology of the Copper River Delta, Alaska. Prince William Sound Science Center.
2002. The effect of habitat setting on species interactions, population dynamics and trophic transfer. Dauphin Island Sea Lab.
2002. Establishing and quantifying linkages between estuarine/marine habitats and demersal fisheries. Department of Marine Sciences, University of South Alabama.
2002. Marine Conservation and Restoration Ecology. Department of Biological Sciences, University of New Orleans.
2001. Quantifying energy flows in through experimental manipulations and stable-isotope analyses. University of North Carolina at Chapel Hill.
2001. Ecology of Alaskan nearshore communities. Prince William Sound Science Center, Cordova, Alaska.
2000. The role of ecological experiments in management and conservation of marine and estuarine resources, Loyola University, New Orleans
1998. Opportunities for under-represented groups in ocean sciences, International Council for the Exploration of the Seas (ICES), Annual Meeting. Baltimore, Maryland.

### **Recent Peer-Review Service**

### *Journals & Books*

Bulletin Marine Sciences	Ecology Letters
Ecology	Estuaries
Gulf of Mexico Science	Journal of Shellfish Research
Journal of Experimental Marine Biology and Ecology	
Limnology and Oceanography	Marine & Freshwater Research
Marine Ecology Progress Series	Oecologia
Restoration Ecology	

### *Grant Agencies*

National Science Foundation: Division of International Program  
Division of Ocean Sciences  
Office of Polar Programs  
Marine Facilities

NOAA Sea Grant Gulf Oyster Industry Program  
NOAA Gulf of Mexico Hypoxia Program  
NOAA Coral Reef Initiative  
NOAA, National Undersea Research Program  
National Marine Fisheries Service MARFIN  
North Pacific Research Board  
Exxon Valdez Oil Spill Trustee Council, Gulf Ecosystem Monitoring Program  
United States-Israel Binational Science Foundation  
New York SeaGrant  
South Carolina SeaGrant  
Texas SeaGrant

### **Editorial Service**

2022-2024, Associate Editor (Marine Fisheries Aquaculture and Living Resources Section)  
*Frontiers in Marine Sciences*  
2021-2022, Guest Editor, *Proceedings of the National Academy of Sciences*  
2017-2023 Subject Matter Editor (Marine and Coastal Sciences), *Ecosphere*, Ecological Society of America  
2015-2016 Guest Editor, *Marine Ecology Progress Series*  
2004-2014 Associate Editor, *Gulf of Mexico Science*.

### **External Advisory Panels & Professional Service**

2024-2025. President. Benthic Ecology Meeting.  
2009-2024. Member, Gulf of Mexico Fishery Management Council's Scientific and Statistical Committee.  
2021-2022. Panelist, Gulf of Mexico Red Snapper Stock Assessment, Gulf of Mexico Fishery Management Council and National Marine Fisheries.  
2020-2021. Panelist, Gulf of Mexico and South Atlantic Scamp Stock Assessment, Gulf of Mexico Fishery Management Council and National Marine Fisheries.

- 2020-2021. National Academies of Sciences (US). Member. Committee on the Review Limited Access Programs in mixed use fisheries (one of three committees mandated under the U.S. Modernizing Fishing Act).
- 2019-2025. Trustee, Alabama Forever Wild Land Trust Board, Alabama Commission on Higher Education representative for the Southern region of Alabama.
- 2020-2021. National Academies of Sciences (US). Member. Committee on the Review of in season fisheries management (a second committee mandated under the U.S. Modernizing Fishing Act).
- 2016-2017. National Academies of Sciences (US). Member. Committee on the Review of the Marine Recreational Information Program (MRIP).
- 2016-2020. Executive Board Member, Association of Public and Land-grant Universities' Board on Oceans, Atmosphere and Climate.
2015. Panelist, SEDAR Best practices review panel.
2014. Chair, Gulf of Mexico Greater Amberjack Benchmark stock assessment review panel.
2014. Chair, Gulf of Mexico Gag Grouper Benchmark stock assessment review panel.
- 2013-2014. National Research Council (US). Member. Committee on U.S. Army Corps of Engineers Water Resources Science, Engineering, and Planning: Coastal Risk Reduction
2013. Chair, Gulf States Fisheries Commission, Blue Crab Stock Assessment review.
2013. Panelist, Gulf of Mexico Spanish Mackerel Assessment workshop.
- 2012-2013. Panelist, Gulf of Mexico Red Snapper Benchmark Assessment workshop.
- 2011-2012. Chair, Gulf of Mexico Fishery Management Council's Standing Scientific and Statistical Committee.
- 2010-2011. Vice-Chair, Gulf of Mexico Fishery Management Council's Standing Scientific and Statistical Committee.
2010. Chair, Red drum special working group for Gulf of Mexico, Gulf of Mexico Fishery Management Council.
- 2010-2011. Science Advisory Team, The Nature Conservancy's Oyster Reef restoration Program.
- 2010-2011. Chair, SEDAR Gulf of Mexico, Greater Amberjack stock assessment.
- 2010-2011. Committee Member, Gulf of Mexico Goliath Grouper Stock Assessment.
- 2009-2010. Review Committee Member, SEDAR Gulf of Mexico Black Grouper stock assessment.
- 2009-2010. Review Committee Member, SEDAR South Atlantic Red Grouper stock assessment.
- 2009-2010. Chair, SEDAR Gulf of Mexico Red Snapper stock assessment update workshop.
- 2009-2010. Advisor, Hudson River Foundation, Oyster Reef Restoration Initiative
2009. NSF LTER Site Review Panel
2009. NSF Science and Technology Center Review Panel.
2007. NSF LTER Site Review Panel.
2007. NOAA Chesapeake Bay Oyster Research Program.
2007. David and Lucille Packard Foundation, Marine Ecosystem-Based Management Tool Innovation Fund, Review Board Member.
2006. American Association of Underwater Scientists (AAUS) Graduate Scholarship selection committee.
2005. NOAA Coastal Ocean Program, coastal hypoxia research panel.
- 2004-2006. National Marine Fisheries Service, MARFIN panel.
1998. El Nino rapid response program, National Oceanic and Atmospheric Administration, Office of Atmospheric and Oceanic Research.

### **Workshop Participation**

2024. Session Co-Chair, Co-produced sciences in fisheries. American Fisheries Society Annual Meeting, Honolulu, Hawaii.
2011. Integrating socioeconomics and ecosystem principles in current fishery management. National Fishery Council SSC, 4<sup>th</sup> annual meeting. Williamsburg, VA.
2011. 40<sup>th</sup> Annual Benthic Ecology Meeting, Mobile, Alabama. Co-host with Dr. John Valentine.
2010. Uncertainty in fisheries stock assessment workshop, Gulf and South Atlantic Fishery Management Councils. Charlotte, NC.
2009. Hudson River Foundation, Oyster Reef Restoration Workshop.
2008. Mobile Bay Symposium, Program Committee Member.
2005. Mobile Bay National Estuary Program, Development of Bay wide indicators. Mobile, AL.
2005. Alabama/Mississippi habitat restoration workshop, Alabama/Mississippi Sea Grant, Moss Point, MS.
2005. The Nature Conservancy, Marine Initiative's Shellfish Restoration Planning workshop, Dauphin Island, AL.
2004. Determining success metrics for oyster reef restoration, South Carolina Sea Grant. Charleston, SC.
2004. Prioritizing Research to evaluate *Crassostrea ariakensis*, Chesapeake Bay Program, Annapolis, MD.
2003. Prince William Sound Nowcast/Forecast workshop, Miami, FL.

## **Teaching**

*University of South Alabama/Dauphin Island Sea Lab, Professor*

Fisheries Oceanography, Graduate  
Seminar, Conservation and Restoration of Marine Fisheries  
Vertebrate Zoology, Undergraduate  
Quantitative Methods in Fisheries and Ecology, Graduate  
Seminar, Recent Advances in Marine Ecol. and Oceanogr., Graduate  
Marine Experimental Ecology, Graduate  
Essential of Oceanography, Graduate  
Marine Restoration Ecology, Graduate

*University of North Carolina – Chapel Hill, Visiting Asst. Professor*

Marine Biology, upper level undergraduate course.  
Biological Oceanography, graduate and upper level undergraduate course.

*Texas A&M University, Graduate Teaching Assistant*

Invertebrate Zoology Labs, upper level undergraduate  
Scientific Methods, freshman level introductory course

*University of New Orleans, Graduate Teaching Assistant*

General Biology Lab, freshman level introductory course

## **Graduate Advising**



Past students:*Ph.D. Advisor*

- Dr. Marcus Drymon, USA-Marine Sciences, Across and along shelf distribution of sharks: Consequences for trophic transfer (Defended and graduated 5/10). Currently Asst. Professor MSU.
- Dr. Glenn A. Miller, USA-Marine Sciences. The influence of avian predators on nearshore communities in the northern Gulf of Mexico and Copper River Delta, Alaska: Implications for habitat conservation (Defended and graduated 8/11). Currently instructor FIT.
- Dr. Matthew Ajemian, USA-Marine Science, Trophic ecology of mesopredatory elasmobranchs (Defended and Graduated 12/11). Assistant Professor, Harbor Branch Oceanographic Institute.
- Dr. Steven Scyphers, USA-Marine Sciences, Sociological and ecological complexities of oyster reef communities (Graduated 5/13). Currently Assistant Professor, Northeastern University.
- Dr. Meaghan Schrandt, USA-Marine Sciences, Connectivity and migration pattern of Coastal Pelagics. (Graduated 8/2015). Currently Fishery Biologist FL FWC.
- Dr. Andrea Kroetz, Movement and trophic ecology of estuarine mesopredators. (Graduated 12/15). Currently NRC post-doctoral fellow, NMFS-Panama City, FL.
- Dr. Thomas (Reid) Nelson, USA-Marine Sciences, Connectivity and exploitation of Red Drum (graduated 5/19). Currently Assistant professor George Mason University
- Laia Juliana Muñoz, Population biology and connectivity of yellowfin tuna in the Eastern Pacific Ocean, graduate 5/25

*Ph.D. Committee member:*

- Dr. Choong-Ki Kim, USA-Marine Sciences, Bio-physical transport models of oyster larvae in Mobile Bay. (Defended and graduated 5/09)
- Dr. Harmon Brown, LSU-Fisheries & Oceanography. Biotelemetry of blue runner (*Caranx hippos*) around petroleum platforms. (Defended and graduated 8/09)
- Dr. Charles Martin, USA-Marine Sciences, The impacts of invasive Eurasian milfoil and Nile tilapia in coastal Alabama Defended and graduated 5/10.
- Dr. Lesley Baggett, USA-Marine Sciences, The Effects of Nutrient Enrichment on the Seagrass *Thalassia testudinum* and the Stoichiometry, Fitness, Fecundity, and Feeding Preference of its Associated Epiphyte Grazers. Defended and graduated 8/10.
- Dr. Christian Jones, USA-Marine Sciences, Estimating larval mortality for red snapper in the northern Gulf of Mexico. Defended and graduated (5/13).
- Dr. Anthony Marshak, USA-Marine Sciences, Climate change and reef fishes. Defended and graduated (5/16).
- Dr. Steven Garner, USA-Marine Sciences, Red Snapper Fishery Dynamics. Defended (12/17).
- Aubrey Folk, Northeastern University, Marine and Environmental Sciences. Defended 12/25
- Savannah Swinea, Northeastern University, Marine and Environmental Sciences. Defended 12/25

*M.S. Advisor*

- Kevan Gregalis, USA-Marine Sciences, Fish utilization of restored oyster reefs: assessing trade-offs between design criteria and site selection (Defended and graduated 5/06).
- Nathan Geraldi, USA- Marine Sciences, Investigating predator-prey interactions using bio-acoustic telemetry: potential behavioral cascades in estuarine food webs (Defended and graduated 12/06).
- Brad Reynolds, USA-Marine Sciences, Artificial Reef fish communities in Prince William Sound, Alaska (Defended and graduated 5/09).
- Matthew Kenworthy, USA-Marine Sciences. Temporal variability in predation risk modifies trophic cascades. (Defended and graduated 8/11).
- Crystal Louallen Hightower, USA-Marine Sciences. Distribution, age composition and mercury concentration of adult red drum in the northern Gulf of Mexico. (Defended and graduated 12/12).
- Lindsey Kramer (Co-Chair with Frank Hernandez), USA-Marine Sciences. Ecology of floating Sargassum. Defended and graduated (12/14).
- Trey Spearman, USA-Marine Sciences, Juvenile demersal fish distribution and abundance in relation to artificial reef structures. Defended and graduated (12/15).
- Laura Stone, USA-Marine Sciences, Discard Mortality of Greater Amberjack. Defended and graduated (12/15).
- Kristin Hannan, USA-Marine Sciences, Distribution and life history of chimeras in the Gulf of Mexico. Defended and graduated (5/16).
- Amanda Jefferson (co-advised with J. M. Drymon), USA-Marine Sciences, Distribution, age and growth of Gray triggerfish in the Alabama Artificial Reef Zone. Defended and graduated (12/17).
- Mariah Livernois, USA-Marine Sciences, Intra and interspecific interactions of Red Drum and Speckled Sea Trout. Graduated and defended (5/2018).
- Emily Seubert (co-advised with J.M. Drymon), USA-Marine Sciences, Ecology of apex predators in the Northern Gulf of Mexico. Defended and graduated 5/2019.
- Merit McCall, Ecological interactions of Sheepshead on oyster reefs. Defended in Graduated (5/2021).
- Edward Kim, Ecology of Gray Snapper in the Northcentral Gulf of Mexico. Defended (5/2022)

*M.S. Committee member:*

- Dale Booth, USA-Marine Sciences, The impact of *Crassostrea virginica* on growth rate and recruitment of the seagrass *Halodule wrightii*. (defended 9/06)
- Todd Clardy, USA-Marine Sciences, Stock discrimination of southeastern Atlantic and eastern Gulf of Mexico king mackerel using otolith shape analysis (defended 9/06).
- Gillian Richard, USA-Biology, Genetic Structure of *Crassostrea virginica* reefs along the Alabama Gulf Coast. (Defended and graduated 5/06).
- Carly Steves, USA-Marine Sciences, Predator-prey relationships at varying habitat complexity levels. (Defended and graduated 8/07)
- Shanna Madsen, USA-Marine Sciences, The impacts of exploited higher order consumers on the structure and function of a species-rich community. (Defended and graduated 5/12)
- Craig Newton, USA-Marine Sciences, Habitat specific growth and mortality of newly recruited red snapper (Defended and graduated 12/07)

- Nicole Shafer, USA-Marine Sciences, Changes in early years' growth of redbreast snapper as revealed by otolith analysis: evidence for compensation? (Defended and graduated 5/09)
- Robert Gutierrez, USA-Marine Sciences, The effects of increased nutrients via bird guano on seagrass macro infauna communities. (Defended and graduated 5/09)
- Joseph Senne, USA-Marine Sciences, Dynamics of low dissolved oxygen near Whitehouse reef, Western Mobile Bay. (Defended and graduated 8/09)
- Erin Money, USA-Marine Sciences, Optimizing the design of deepwater artificial reefs: Effect of size and fish attracting devices. (Defended 5/12).
- Lanora Lang, USA-Marine Sciences, Effects of hypoxia on the vertical distribution of marine fish larvae (Defended 5/13).
- Nan Yao, Auburn University, Oyster reproductive output restored oyster reefs (Defended 8/13).
- Michael Norberg, USA-Marine Sciences, Artificial reef fish assemblages. (Defended and graduated).
- Justine Lewis, USA-Marine Sciences, Trace element fingerprint in vertebral sections of sharks (Defended and graduated 12/16).
- Jamie Amato, USA-Marine Sciences, Living shorelines at residential scales, Defended and graduated 8/2020

#### Current Students:

##### *Ph.D. Advisor*

- Pearce Cooper, USA-Marine Sciences, Population genetics and ecology of Sheepshead. (entered 9/14).
- Dylan Kiene, USA-Marine Sciences, Climate change impacts on flatfish.
- Manuel Coffin, USA-Marine Sciences, TBD

##### *Ph.D. Committee Member*

- Sarah Ramsden, USA-Marine Sciences.
- Sara Gibbs, USA-Marine Sciences

##### *M.S. Advisor*

- Adam Jung, USA-Marine Sciences, TBD
- Kaci Stokely, USA-Marine Sciences, TBD

##### *M.S. Committee Member*

#### **Undergraduate Advising**

2012. Will Davis, Princeton, DISL REU Program.

2011. Ian Kroll, DISL REU Program.

2007. Shanna Madsen, SUNY-Stony Brook, DISL REU Program.

2006. Matthew Kenworthy, North Carolina State University, DISL REU Program

2005. Julia Griffin, Duke University, DISL REU Program

2004. Andrew Wiliston, University of Massachusetts Amherst, DISL REU Program

2003. Allison Odom, Jacksonville State University, DISL REU Program

**Post-doctoral Advising (Current employer list in parentheses)**

- 2003-2004. Dr. Erika Clesceri (U.S. AID)  
 2004-2007. Dr. Frank Hernandez (University of Southern Mississippi)  
 2006-2009. Dr. Mathew Johnson (NOAA Fisheries)  
 2006-2009. Dr. F. Joel Fodrie (University of North Carolina at Chapel Hill)  
 2009-2011. Dr. Laure Carrasou (South Africa)  
 2010-2012. Dr. Marcus Drymon (Mississippi State University)  
 2011-2012. Dr. Lesley Baggett (University of Mobile)  
 2014-2016. Dr. Meagan Schrandt (FL FWC)  
 2016-2023. Dr. Mark Albins (University of South Alabama)  
 2017-2019. Dr. Kelly Boyle (University of New Orleans)  
 2022- 2023. Dr. Jeffrey Plumlee (Louisiana State University)

**University & DISL Service**

2024. Member, Search committee USA Vice-President for Research and Economic Development.  
 2024-2025. Member, Institutional Planning and Assessment Committee  
 2023-2024. Chair, Search Committee for Chair of the Department of Biology.  
 2023-2024. Co-Chair, University of South Alabama, Ad hoc Committee for Research Classification and Research Support for Faculty.  
 2022-2024. Member, Institutional Planning and Evaluation Committee (IPEC), University of South Alabama,  
 2022-2024. Chair, Subcommittee on University Research, Institutional Planning and Evaluation Committee (IPEC), University of South Alabama.  
 2022-2023. Member, search Committee for the Assistant Vice-President of Enrollment Services, University of South Alabama.  
 2022-2023. Co-chair, Committee to Evaluate the University of South Alabama Carnegie Research Classification (R1 Committee)  
 2022-2023. Member, University of South Alabama, Ad hoc Committee for Improving Research Support for Faculty.  
 2017-2020. Member, University of South Alabama, College of Nursing's Research Advisory Council.  
 2014- 2018. Member, University Process Improvement Committee  
 2012-2013. Member, College of Arts & Sciences Awards Committee.  
 2011-2012. Member, Senior Marine Scientist I Search Committee for marine ecologist and Phytoplankton ecologist.  
 2011-2012. College of Arts and Sciences Promotion Evaluation Committee.  
 2011-2012. College of Arts and Sciences Tenure Evaluation Committee.  
 2009-2012. University of South Alabama Faculty Senate  
 2003-2012. Associate Director, Alabama Oyster Reef Restoration Program.  
 2008. Chair, Faculty Search Committee for non-tenure track fish ecologist, Department of Marine Sciences, USA.  
 2007-2009. Chair, Faculty Search Committee for tenure track marine scientist, Department of Marine Sciences, USA.  
 2005-2011. University of South Alabama Institutional Animal Care and Use Committee (IACUC).

- 2006-2011. Member, Scientific Advisory Committee for the proposed NMFS/DISL Ecosystem Management Center.
- 2003-2012. Committee Chair, Department of Marine Sciences Graduate Recruitment Committee
- 2003-2012. Committee member, Graduate Academic Standards Committee
- 2003-2012. Committee member, Departmental Curriculum Committee

### **Recent Scientific Consulting Activities**

- 2023-2025. NOAA Damage Assessment and Restoration support for the Taylor Energy Oil Spill, Gulf of Mexico.
- 2020-2024. NOAA Damage Assessment and Restoration support Pacific Northwest.
- 2019-2021. NOAA Restoration, synthesis and planning activities for the *Deepwater Horizon* Oil Spill.
- 2010-2017. NOAA and U.S. Department of Justice, Damage Assessment and Restoration, via Industrial Economics. Fisheries and habitat damage assessments for the *Deepwater Horizon* Oil Spill.
- 2008-2009. Minerals Management Service via Continental Shelf Associates, External review committee member, Deepwater Program: Synthetic-based fluid spill of opportunity – Environmental impact and Recovery.
- 2007-2008. Continental Shelf Associates, Habitat Suitability Analysis for Artificial reef to mitigate natural reef damages in West Palm Beach. FL.
- 2006. Minerals Management Service via Baird Consulting. Evaluation of borrow pit dredging and recovery on demersal fish and invertebrates.
- 2005. United Nations World Bank. Review of draft Environmental Impact Statement for LNG facility in Peru.
- 2004-2005. NOAA Damage Assessment & Restoration via MRI, Inc.. Quantitative assessment of habitat restoration options for the Bermann tanker grounding and oil spill near San Juan, Puerto Rico.
- 2002-2003. NOAA Damage Assessment & Restoration, via Industrial economics. Damage & Restoration Scaling, Chalk Point, Maryland Oil Spill.
- 2001-2003. NOAA Damage Assessment & Restoration (with C.H. Peterson), synthesis and publication of restoration scaling case studies from the North Cape Oil Spill (Rhode Island) and Mulberry Phosphate process water spill (Tampa Bay, FL).
- 2000-2002. NOAA Damage Assessment & Restoration, via Industrial economics, restoration scaling for the Mulberry Phosphate process water spill, Tampa Bay, Florida.
- 1998-2000. National Marine Fisheries Service, Galveston Fisheries Lab, assessment of benthic resources following sea grass restoration.

### **Awards**

- 2024. University of South Alabama Research Recognition Award top 3 funded researcher.
- 2023. University of South Alabama, Research & Technology Innovation Award.
- 2018-2023. Office of Sponsored Research Top 10 (#3) Funded Researchers at the University of South Alabama.
- 2017. University of South Alabama, National Alumni Association, Olivia Rambo McGlothren Outstanding Scholar Award.
- 2017. University of South Alabama, College of Arts and Sciences, Dean Lecture Award for outstanding scholarly achievement.

- 2014. American Fisheries Society, Best Paper Award in the Journal of Marine and Coastal Fisheries.
- 2013. University of South Alabama, Named one of the 50 Most Outstanding Faculty in University's 50 year history (50 for 50).
- 2006. University of South Alabama, College of Arts & Sciences, Junior Faculty Award for Scholarship and Academic Achievement.
- 1998. Dean John A. Knauss, Marine Science Policy Fellowship (NOAA) National Sea Grant.
- 1997 William E. Evans Award for Outstanding Graduate Research, College of Geosciences and Maritime Studies, Texas A&M University.
- 1992 National Oceanic and Atmospheric Administration (NOAA) Sea Grant Award for Outstanding Thesis Research at the Master of Science Level.
- 1992 Delores S. Dundee Memorial Graduate Student Research Award in Ecology, Evolution, and Systematics, Department of Biological Sciences, University of New Orleans.

**Professional Memberships**

- American Fisheries Society
- American Society of Limnology and Oceanography
- Ecological Society of America
- Estuarine Research Federation
- Sigma Xi, The Scientific Research Society