

**J. Marcus Drymon, Assistant Extension Professor**

Coastal Research and Extension Center,  
Mississippi State University  
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**1. Professional Appointments**

2017 – current	Assistant Extension Professor, Mississippi State University
2017 – current	Marine Fisheries Specialist, Mississippi-Alabama Sea Grant
2013 – 2017	Research Assistant Professor, University of South Alabama
2010 – 2013	Post-doctoral researcher, Dauphin Island Sea Lab
2004 – 2010	Contract Fisheries Biologist, NOAA Fisheries

**2. Academic Preparation**

2005 – 2010	PhD, Marine Science, University of South Alabama (Advisor, S Powers)
2001 – 2003	MS, Marine Biology, College of Charleston (Advisor, P Harris)
1995 - 2000	BS Marine Science, BS Biology, Coastal Carolina University

**3. Peer-reviewed Publications (click [here](#) for link to Google Scholar profile)**

41. Mullins L, **Drymon JM**, Moore M, Skarke A, Moore A, Rodgers J. Defining distribution and habitat use of west-central Florida's coastal sharks through a citizen science research and education program. *Ecology and Evolution* 11(22): 16055-16069. DOI: 10.1002/ece3.8277
40. Scyphers SB, **Drymon JM**, Furman KL, Conley E, Niwa Y, Jefferson AE, Stunz GW. 2021. Understanding and enhancing angler satisfaction with fisheries management: insights from the "Great Red Snapper Count." *North American Journal of Fisheries Management* 41: 559-569. DOI: 10.1002/nafm.10579
39. Jefferson AE, Jargowsky MB, Schrandt MN, Cooper PT, Powers SP, Dindo JJ, **Drymon JM**. 2021. Age, growth and mortality of tripletail (*Lobotes surinamensis*) in the north-central Gulf of Mexico. *Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science* 13: 183-199. DOI: 10.1002/mcf2.10146
38. **Drymon JM**, Schweiss K, Seubert E, Lehman R, Daly-Engel T, Pflieger M, Phillips N. 2021. Swimming against the flow: eDNA can detect bull sharks (*Carcharhinus leucas*) across a dynamic deltaic interface. *Ecology and Evolution* 11(1):22-28. DOI: 10.1002/ece3.7101
37. **Drymon JM**, Jargowsky MB, Dance M, Lovell M, Hightower CL, Jefferson AE, Powers SP. 2021. Documentation of Atlantic tarpon (*Megalops atlanticus*) space use and move persistence in the northern Gulf of Mexico facilitated by angler advocates. *Conservation Science and Practice* 3(2):e331. DOI: 10.1111/csp2.331

36. Hines S, Vedral A, Jefferson A, **Drymon JM**, Woodrey M, Mabey S, Sparks E. 2020. Engaging online students by activating ecological knowledge. *Ecology and Evolution* 10(22):12472-12481. DOI: 10.1002/ece3.6739
35. Ajemian MJ, **Drymon JM**, Hammerschlag N, Wells RJD, Street G, Falterman B, McKinney JA, Driggers WB, Hoffmayer E, Fischer C, Stunz G. 2020. Movement patterns and habitat use of tiger sharks (*Galeocerdo cuvier*) across ontogeny in the Gulf of Mexico. *PLoS ONE* 15(7):e0234868. DOI: 10.1371/journal.pone.0234868
34. **Drymon JM**, Jefferson AE, Hightower CL, Powers SP. 2020. Descender devices or treat tethers: Does barotrauma mitigation increase opportunities for depredation? *Fisheries* 45(7):377-379. DOI: 10.1002/fsh.10476
33. **Drymon JM**, Dedman S, Froeschke JT, Seubert E, Jefferson AE, Kroetz AM, Powers SP. 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.
32. Jargowsky MB, Cooper PT, Ajemian MJ, Colvin ME, **Drymon JM**. 2020. Discerning the dietary habits of the smooth butterfly ray *Gymnura lessae* using two distinct methods, otolith identification and metagenetics. *Journal of Fish Biology* 96(2):434-443. DOI: 10.1111/jfb.14221
31. Schweiss KE, Lehman RN, **Drymon JM**, Phillips NM. 2020. Development of highly sensitive environmental DNA methods for the detection of Bull Sharks, *Carcharhinus leucas*, using Droplet Digital™ PCR. *Environmental DNA* 2(1):3-12. DOI: 10.1002/edn3.39
30. Seubert EA, Hussey N, Valentine J, Powers SP, **Drymon JM**. 2019. Assessing trophic flexibility of a predator assemblage across a large estuarine seascape using blood plasma stable isotope analysis. *Foodwebs* 21:e00132. DOI: 10.1016/j.fooweb.2019.e00132
29. Vinyard EA, Frazier BS, **Drymon JM**, Gelsleichter JJ, Bublely WJ. 2019. Age, growth, and maturation of the finetooth shark, *Carcharhinus isodon*, in the Western North Atlantic Ocean. *Environmental Biology of Fishes* 102(12):1499-1517. DOI: 10.1007/s10641-019-00929-9
28. **Drymon JM**, Cooper PT, Powers SP, Miller MM, Magnuson S, Krell E, Bird CM. 2019. Genetic identification of species responsible for depredation in commercial and recreational fisheries. *North American Journal of Fisheries Management* 39(3): 524-534. DOI: 10.1002/nafm.10292
27. **Drymon JM**, Feldheim K, Fournier AMV, Seubert EA, Jefferson AE, Kroetz AM, Powers SP. 2019. Tiger sharks eat songbirds: reply. *Ecology* 100(11):e02728. DOI: 10.1002/ecy.2870
26. **Drymon JM**, Feldheim K, Fournier AMV, Seubert EA, Jefferson AE, Kroetz AM, Powers SP. 2019. Tiger sharks eat songbirds: scavenging a windfall of nutrients from the sky. *Ecology* 100(9):e02728. DOI: 10.1002/ecy.2728
25. Rooker JR, Dance MA, Wells RJD, Ajemian MA, Block BA, Castleton MR, **Drymon JM**, Falterman BJ, Franks JS, Hammerschlag N, Hendon JM, Hoffmayer ER, Kraus RT, McKinney JA, Secor DH, Stunz GW, Walter JF. 2019. Population connectivity of

- pelagic megafauna in the Cuba-Mexico-U.S. triangle. *Scientific Reports* 9(1):1663. DOI: 10.1038/s41598-018-38144-8
24. Jefferson AE, Allman RJ, Pacicco AE, Franks JS, Hernandez FJ, Albins MA, Powers SP, Shipp RL, **Drymon JM**. 2019. Age and growth of gray triggerfish (*Balistes capriscus*) from a north-central Gulf of Mexico artificial reef zone. *Bulletin of Marine Science* 95(2):177-195. DOI: 10.5343/bms.2018.0025
  23. Sackett DK, Catalano M, **Drymon JM**, Powers SP, Albins MA. 2018. Estimating exploitation rates in the Alabama Red Snapper fishery using a high-reward tag-recapture approach. *Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science* 10(6):536-549. DOI: 10.1002/mcf2.10049
  22. Wells RJD, TinHan T, Dance M, **Drymon JM**, Falterman B, Ajemian MJ, Stunz GW, Mohan JA, Hoffmayer ER, Driggers WB III, McKinney JA. 2018. Movement, behavior and habitat use of a marine apex predator, the scalloped hammerhead. *Frontiers in Marine Science* 5:321. DOI: 10.3389/fmars.2018.00321
  21. Powers SP, **Drymon JM**, Hightower CL, Spearman T, Bosarge GS, Jefferson A. 2018. Distribution and age composition of Red Snapper *Lutjanus campechanus* across the inner continental shelf of the north-central Gulf of Mexico. *Transactions of the American Fisheries Society* 147(5):791-805. DOI: 10.1002/tafs.10081
  20. Jackson LC, **Drymon JM**, Nelson TR, Powers SP. 2018. Biotelemetry based estimates of greater amberjack (*Seriola dumerili*) post-release mortality in the northcentral Gulf of Mexico. *Fisheries Research* 208:239-246. DOI: 10.1016/j.fishres.2018.07.017
  19. Grüss A, Perryman H, Babcock EA, ... **Drymon JM** et al. 2018. Monitoring programs of the US Gulf of Mexico: inventory, development of a large monitoring database, and use of the large monitoring database to map the spatial distribution of fish and invertebrates of the US Gulf of Mexico. *Reviews in Fish Biology and Fisheries* 28(4):667-691. DOI: 10.1007/s11160-018-9525-2
  18. **Drymon JM**, Wells RJD. 2017. Double tagging clarifies post-release fate of great hammerheads (*Sphyrna mokarran*). *Animal Biotelemetry* 5(28):1-7. DOI: 10.1186/s40317-017-0143-x
  17. **Drymon JM**, Scyphers SB. 2017. Attitudes and perceptions influence recreational angler support for shark conservation and fisheries sustainability. *Marine Policy* 81:153-159. DOI: 10.1016/j.marpol.2017.03.001
  16. Karnauskas M, Walter J, Campbell MD, Pollack AG, **Drymon JM**, Powers SP. 2017. Red Snapper distribution on natural habitats and artificial structures in the northern Gulf of Mexico. *Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science* 9(1):50-67. DOI: 10.1080/19425120.2016.1255684
  15. Kroetz AM, **Drymon JM**, Powers SP. 2016. Comparative dietary diversity and trophic ecology of two estuarine mesopredators. *Estuaries and Coasts*. DOI: 10.1007/s12237-016-0188-8
  14. Harrington T, Plumlee JD, **Drymon JM**, Wells RJD. 2016. Diets of Atlantic Sharpnose Shark (*Rhizoprionodon terraenovae*) and Bonnethead (*Sphyrna tiburo*) in the

- northern Gulf of Mexico. *Gulf and Caribbean Research* 27(1):42-51. DOI: 10.18785.gcr.2701.05
13. Davis WT, **Drymon JM**, Powers SP. **2015**. Spatial and dietary overlap leads to competition between red snapper (*Lutjanus campechanus*) and vermilion snapper (*Rhomboplites aurorubens*). *PLoS One* 10(12): e0144051. DOI: 10.1371/journal.pone.0144051
  12. Kroetz AM, Powers SP, **Drymon JM**, Park K. **2015**. Anthropogenic modifications to a barrier island modify Bonnethead (*Sphyrna tiburo*) movements in the northern Gulf of Mexico. *Animal Biotelemetry* 3(1):38. DOI: 10.1186/s40317-015-0067-2
  11. **Drymon JM**, Ajemian MJ, Powers SP. **2014**. Dynamic habitat use of young bull sharks (*Carcharhinus leucas*) in a northern Gulf of Mexico estuary. *PLoS One* 9(5):e97124. DOI: 10.1371/journal.pone.0097124
  10. Scyphers SB, Powers SP, Akins JL, **Drymon JM**, Martin CW, Schobernd ZH, Schofield PJ, Shipp RL, Theodore TS. **2014**. The role of citizens in detecting and responding to a rapid marine invasion. *Conservation Letters*. DOI: 10.1111/conl.12127
  9. Powers SP, Hernandez FJ, Condon RH, **Drymon JM**, Free C. **2013**. Novel pathways for injury: direct, sublethal and indirect effects of the Deepwater Horizon explosion on pelagic *Sargassum* communities. *PLoS One* 8(9):e74802. DOI: 10.1371/journal.pone.0074802
  8. **Drymon JM**, Carassou L, Powers SP, Grace MA, Dindo J, Dzwonkowski B. **2013**. Multi-scale analysis of factors affecting the distribution of sharks throughout the Gulf of Mexico. *Fishery Bulletin* 111: 370-380.
  - 7.\* Powers SP, Fodrie FJ, Scyphers SB, **Drymon JM**, Shipp RL, Stunz W. **2013**. Gulf-wide decreases in the size of large coastal sharks documented by generations of fishermen. *Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science* 5(1):93-102. DOI: 10.1080/19425120.2013.786001  
\***Named Outstanding Paper of 2013 in Marine and Coastal Fisheries**
  6. Gregalis KC, Schlenker LS, **Drymon JM**, Mareska J, Powers SP. **2012**. Efficacy of vertical longlines to survey reef fish populations in the northern Gulf of Mexico. *Transactions of the American Fisheries Society* 141: 1453-1464. DOI: 10.1080/00028487.2012.703154
  5. **Drymon JM**, Powers SP, Carmichael RH. **2012**. Trophic plasticity in the Atlantic sharpnose shark (*Rhizoprionodon terraenovae*) in the northern Gulf of Mexico. *Environmental Biology of Fishes* 95(1):21-35. DOI: 10.1007/s10641-011-9922-z
  4. Powers SP, Hightower CL, **Drymon JM**, Johnson M. **2012**. Age composition and distribution of red drum (*Sciaenops ocellatus*) in offshore waters of the north central Gulf of Mexico: an evaluation of a stock under a federal harvest moratorium. *Fishery Bulletin* 110(3): 283-292.
  3. **Drymon JM**, Powers SP, Dindo J, Dzwonkowski B, Henwood T. **2010**. Distribution of sharks across a continental shelf in the northern Gulf of Mexico. *Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science* 2(1):440-450. DOI: 10.1577/C09-061.1

2. Ulrich GF, Jones CM, Driggers WB, **Drymon JM**, Oakley D, Riley C. **2007**. Habitat utilization, relative abundance and seasonality of sharks in the estuarine and nearshore waters of South Carolina. *American Fisheries Society Symposium* 50:125-139.
1. **Drymon JM**, Driggers WB, Oakley D, Ulrich GF. **2006**. Investigating differences in life history parameters among small coastal sharks: comparing the finetooth shark, *Carcharhinus isodon*, between the Gulf of Mexico and the Northwest Atlantic Ocean. *Gulf of Mexico Science* (1/2): pp 2-10. DOI: 10.18785/goms.2401.02

#### ***In review/revision (4)***

- McClain MA, Hammerschlag N, Gallagher AJ, **Drymon JM**, Grubbs RD, Guttridge TL, Smukall MJ, Frazier BS, Daly Engel TS. Bisexual philopatry and long-term monogamy in a circumglobal marine predator. *Molecular Ecology*.
- Gervassi CL, Nelson JA, Swart PK, Santos RO, Rezek RJ, James WR, Jefferson AE, **Drymon JM**, Carrol J, Boucek RE, Rehage JS. Otolith stable isotope micro-sampling to discriminate poorly studied stocks: Crevalle Jack in the eastern Gulf of Mexico. *Estuarine, Coastal and Shelf Science*.
- Hightower CH, **Drymon JM**, Jefferson AE, Jargowsky MB, Seubert EA, Dedman S, Mareska JF, Powers SP. Population dynamics, relative abundance, and habitat suitability of adult red drum (*Sciaenops ocellatus*) indicate vulnerability to harvest in nearshore waters of the north central Gulf of Mexico. *Fishery Bulletin*.
- Jefferson AE, Jargowsky MB, Ivec GM, Cooper PT, Carroll J, Gervasi CL, Rehage JS, Mareska JF, Powers SP, **Drymon JM**. Age, growth, and diet of crevalle jack (*Caranx hippos*) in the Gulf of Mexico. *Fisheries Management and Ecology*.

#### **4. Grant Funding**

- 2021-2025. *Extending our Reach: a multi-state collaborative approach to reef fisheries Extension* National Sea Grant Office. **Drymon (PI)** and 16 co-PIs. \$1,599,403.
- 2021 – 2023. *Do descender devices increase opportunities for depredation? A Gulf-wide examination of descender device depredation rates and depredating species*. Gulf States Marine Fisheries Commission. **Drymon (PI)**, Collins and Stunz (co-PIs). \$238,213 total, \$193,895 to Drymon.
- 2021-2022. *Characterizing cryptic mortality in Gulf of Mexico (GoM) reef fish: evaluating the nature and extent of depredation*. NOAA RESTORE. **Drymon (PI)** and 9 co-PIs. \$124,791
- 2021-2023. *Greater Amberjack (*Seriola dumerili*) abundance, distribution and movement in the South Atlantic and Gulf of Mexico*. Mississippi-Alabama Sea Grant Consortium. Powers (PI), **Drymon (and others, co-PIs)**. \$9,000,000 total, \$274,909 to Drymon.

- 2021-2022. *Using a citizen-science approach to characterize shark depredation in the recreational fisheries of the southeast United States.* NOAA CRP. Ajemian (PI), **Drymon (and others, co-PIs)**. \$195,306 total, \$14,340 to Drymon.
- 2021 – 2025. NOAA National Ocean Service. Habitat requirements and ecosystem connectivity of reef-associated fishes in the Gulf of Mexico. Rooker (PI), **Drymon (and others, co-PIs)**. \$1,985,574 total, \$38,329 to Drymon.
- 2021 – 2024. Florida Sea Grant. Fish Descender Device Extension. Larkin (PI), **Drymon (and others, co-PIs)**. \$23,800 to Drymon.
- 2020-2021. Assisting commercial and charter-for-hire fishers with COVID-19 recovery through novel branding efforts and Extension products. National Sea Grant Office. **Drymon (PI)**. \$25,000
- 2020-2021. *Life history and age validation of blacktip sharks (Carcharhinus limbatus) in the Gulf of Mexico.* NOAA CRP. Wells (PI), **Drymon (and others, co-PIs)**. \$150,000 total, \$37,089 to Drymon
- 2020-2021. *Expanded fisheries monitoring in Alabama: bottom longline.* National Fish and Wildlife Foundation via Alabama Department of Conservation and Natural Resources. Powers (PI), **Drymon (co-PI)**. \$115,850 total, all for Drymon.
- 2019-2021. *Trawler fishermen’s personal flotation devices: wear assessment and prototype development.* Centers for Disease Control and Prevention. Black (PI), **Drymon (and others, co-PI)**. \$619,260 total, \$28,792 for Drymon.
- 2019-2020. *Understanding population dynamics of adult red drum.* Gulf of Mexico Fishery Management Council. **Drymon (PI)**, Powers (co-PI). \$50,000 total, all for Drymon.
- 2019-2020. *Post-release mortality and behavior of sharks in shore-based recreational fisheries using citizen scientists and low-cost tags.* NOAA CRP. Mohan (PI), **Drymon (and others, co-PIs)**. \$240,892 total, \$15,053 to Drymon
- 2019-2020. *Expanded fisheries monitoring in Alabama: bottom longline, trophic ecology, data analysis.* National Fish and Wildlife Foundation via Alabama Department of Conservation and Natural Resources. Powers (PI), **Drymon (co-PI)**. \$233,000 total, all for Drymon.
- 2018-2022. *Mississippi State University Marine Outreach and Extension.* US. Department of Commerce/NOAA/Mississippi-Alabama Sea Grant Consortium. Sparks (PI), **Drymon (and others, co-PIs)**. \$460,000.
- 2017-2019. *Estimating absolute abundance of red snapper in the US Gulf of Mexico,* Mississippi-Alabama Sea Grant Consortium. Stunz (PI), **Drymon (and others, co-PIs)**. \$9,500,000 total, \$336,575 to Drymon
- 2017-2018. *Expanded fisheries monitoring in Alabama: red snapper tagging, vertical longline, bottom longline, trophic ecology.* National Fish and Wildlife Foundation via Alabama Department of Conservation and Natural Resources. **Drymon (PI)**, Powers (co-PI). \$1,454,620

- 2017-2018. *Expanded fisheries monitoring in Alabama: habitat mapping, fish movement, data management, trawl*. National Fish and Wildlife Foundation via Alabama Department of Conservation and Natural Resources. Powers (PI), **Drymon (co-PI)**. \$1,118,600.
- 2016-2018. *Monitoring structural integrity and ecological benefits of inshore and offshore constructed reefs*. National Fish and Wildlife Foundation via Alabama Department of Conservation and Natural Resources. Powers (PI), **Drymon (co-PI)**. \$1,098,250.
- 2016-2018. *Stock structure and life history of the bonnethead (*Sphyrna tiburo*) in US waters*. NOAA Saltonstall-Kennedy (S-K) Program. Frazier (PI), **Drymon (co-PI)**. \$12,157 to Drymon.
2016. *Expanded fisheries monitoring in Alabama: red snapper tagging, vertical longline, bottom longline*. National Fish and Wildlife Foundation via Alabama Department of Conservation and Natural Resources. **Drymon (PI)**, Powers (co-PI). \$657,000.
2016. *Expanded fisheries monitoring in Alabama: habitat mapping, fish movement, data management, trawl*. National Fish and Wildlife Foundation via Alabama Department of Conservation and Natural Resources. Powers (PI), **Drymon (co-PI)**. \$559,300.
2016. *An experimental design to estimate absolute abundance of red snapper in the US Gulf of Mexico*. Mississippi-Alabama Sea Grant Consortium. Stunz (PI), **Drymon (and others, co-PI)**. \$99,595.
2016. *Change-in-ratio- methods for estimating recreational exploitation rate and absolute abundance of Mexico Red Snapper*. Mississippi-Alabama Sea Grant Consortium. Powers (PI), **Drymon (and others, co-PI)**. \$99,920.
2016. *Assessing reef fish and shark populations in coastal Alabama via fishery independent surveys*. Alabama Department of Conservation and Natural Resources. Powers (PI), **Drymon (co-PI)**. \$143,800.
- 2015-2017. *The Alabama Center for Ecological Resilience (ACER)*. Gulf of Mexico Research Initiative. Valentine (PI), **Drymon (co-PI)**. \$12,000,000. \$223,112 to Drymon.
2015. *Expanded fisheries monitoring in Alabama: vertical longline and bottom longline*. National Fish and Wildlife Foundation via Alabama Department of Conservation and Natural Resources. **Drymon (PI)**, Powers (co-PI). \$278,300.
2015. *Using satellite telemetry to track movements of Alabama's state saltwater fish, Atlantic tarpon (*Megalops atlanticus*)*. Coastal Conservation Association of Alabama. **Drymon (PI)**. \$5,100.
2015. *Tiger sharks and the songbirds they eat: examining a unique interaction in Alabama's coastal ecosystem*. Birmingham Audubon Society. **Drymon (PI)**. **\$1,000**.
- 2014-2016. *Ecosystem-Based Fisheries Assessment of Reef Fishes in the Northcentral Gulf of Mexico*. NOAA MarFIN Program. Powers (PI), **Drymon (co-PI)**. \$322,979.
- 2014-2015. *Genetic monitoring and stock structure of two large coastal sharks using high throughput next-generation sequencing*. NOAA CRP Program. Portnoy (PI), **Drymon (co-PI)**. \$9,063 to Drymon.

2014. *Using acoustic and satellite telemetry to track movements of Alabama's state saltwater fish, Atlantic tarpon (Megalops atlanticus)*. Mississippi-Alabama Sea Grant Consortium. **Drymon (PI)**. \$19,112.
2014. *Using sharks as a tool to investigate ecosystem health in coastal Alabama*. University of South Alabama Center for Environmental Resiliency. **Drymon (PI)**. \$9,000.
2014. *Expanding the shark and ray teaching collection at the Dauphin Island Sea Lab*. University of South Alabama Center Support and Development Award. **Drymon (PI)**. \$934.
2011. *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 the Deepwater Horizon oil spill*. Gulf of Mexico Research Initiative. Hernandez (PI), **Drymon (and others, co-PI)**. \$203,776.
- 2010-2015. *Assessing reef fish and shark populations in coastal Alabama via fishery independent surveys*. Alabama Department of Conservation and Natural Resources. Powers (PI), **Drymon (co-PI)**. \$600,000
- 2010-2011. *Impacts of the Deepwater Horizon Accident on food web structure in the north-central Gulf of Mexico*. Northern Gulf of Mexico institute via Gulf of Mexico Research Initiative. Valentine (PI), **Drymon (and others, co-PI)**. \$330,832.
2009. *Setting up CAAMP (Coastal Alabama Acoustic Monitoring Program): development of a hydrophone array in Mobile Bay estuary to examine movements of large mobile predators*. Shelby Center for Ecosystem Based Fishery Management. Powers (PI), **Drymon (and others, co-PI)**. \$88,875.
2008. *Using stable isotopes to explore trophic connectivity in sharks in the northern Gulf of Mexico*. Mississippi-Alabama SeaGrant Consortium. Powers (PI), **Drymon (co-PI)**. \$9,920.
2003. *Age, Growth and Reproduction of the Finetooth Shark (Carcharhinus isodon) in the Coastal Waters of South Carolina*. P.A.D.I. Project AWARE. **Drymon (PI)**. \$1,000.

## 5. Awards

Mississippi Wildlife Federation Fisheries Conservationist of the Year	2019
Fellow, American Institute of Fishery Research Biologists	2020

## 6. Mentoring and Teaching

### Major Professor to (4)

Lindsay Mullins, Mississippi State University (PhD)	2021 – current
Matt Jargowsky, Mississippi State University (MS)	2018 - 2019
Emily Seubert, University of South Alabama (MS)	2015 - 2019
Amanda Jefferson, University of South Alabama (MS)	2015 – 2017

**Master's Committee Member for (11)**

Bryan Huerta-Beltran, University of Southern Mississippi	2021 - current
Keith Chenier, Mississippi State University	2020 - current
Lindsay Mullins, Mississippi State University	2018 - 2020
Maggie McClain, University of West Florida	2017 - 2019
Katherine Schweiss, University of Southern Mississippi	2017 - 2019
Ariel Egan, University of West Florida	2016 - 2018
Laura Stone, University of South Alabama	2014 - 2015
Amanda Brown, University of North Florida	2012 - 2015
Gisela Harper, University of Alabama Huntsville	2010 - 2015
Erin Money, University of South Alabama	2008 - 2012
Jaime Miller, University of South Alabama	2007 - 2014

**PhD Committee Member for (7)**

Helen Olmi, University of Southern Mississippi	2018 - 2021
Liese Carleton, Virginia Institute of Marine Science	2017 - current
Haley Nicholson, University of South Alabama	2015 - 2017
Reid Nelson, University of South Alabama	2015 - 2017
Pearce Cooper, University of South Alabama	2015 - 2017
Ashley Melancon, Louisiana State University	2014 - 2019
Andrea Kroetz, University of South Alabama	2013 - 2015

**NSF REU Advisor to (2)**

Jessica Jimenez, Cal State	2016
Will Davis, Princeton	2012, 2013

**Internship Advisor to (10)**

Alena Anderson (2021, UC San Diego), Danielle McAree (2021, UMass), Bryan Huerta (2020, Delaware Valley State University), Catherine Cowan (2020, Florida Institute of Technology), Kindall Calhoun (2020, University of South Alabama), Sierra Greene (2019, University of South Florida), Genevive Ivec (2019, Ohio State University), Katya Jagolta (2018, University of Miami), Kathleen Gill (2018, University of Washington), Garrett Dunne (2018, Northeastern University)

**College Courses Taught**

The Biology and Ecology of Fishes, Northeastern University	2016, 2017
Ocean Science, University of South Alabama	2015
The Biology of Sharks and Rays, University of South Alabama	2012 - current

**Guest Lectures**

University of North Florida (2012, 2013, 2014), Northeastern University (2012), University of South Alabama (2010, 2012, 2015), Dauphin Island Sea Lab (2007, 2008, 2009, 2010, 2011)

**7. Extension Books**

3. **Drymon JM**, ed. Contributing authors Huerta BL, Jargowsky MB, Seubert EA. **2021**. Mississippi's Sharks and Rays: an educational guide for Mississippi Aquarium. Mississippi State University Extension publication 3650 and Mississippi-Alabama Sea Grant Consortium publication MASGP-21-016. 52 pp.

2. **Drymon JM**, ed. Contributing authors Jargowsky MB, Jefferson AE, Seubert EA. **2020**. FISHERS: Fishermen Invested in Science, Healthy Ecosystems, and Sustainability. Mississippi State University Extension publication 3575 and Mississippi-Alabama Sea Grant Consortium publication MASGP-20-053. 72 pp.

1. Calhoun KM, Jefferson AE, **Drymon JM**. **2020**. A Guide to Fishermen Training Programs. Mississippi State University Extension publication 3527 and Mississippi-Alabama Sea Grant Consortium publication MASGP-20-047. 24 pp.

## 8. Extension Videos

6. Jefferson A, **Drymon JM**. **2021**. The Great Red Snapper Count Project Results
5. Jefferson A, **Drymon JM**. **2020**. The Great Red Snapper Count Tagging
4. Jefferson A, **Drymon JM**. **2019**. The Great Red Snapper Count Depletion Studies
3. Jefferson A, **Drymon JM**. **2019**. The Great Red Snapper Count Direct Visual Counts
2. Jefferson A, **Drymon JM**. **2019**. The Great Red Snapper Count Habitat Classification
1. Jefferson A, **Drymon JM**. **2018**. The Great Red Snapper Count Project Overview

## 9. Extension Factsheets

8. Jefferson AE, **Drymon JM**. **2021**. The Great Red Snapper Count: Project Results. Mississippi-Alabama Sea Grant Consortium publication MASGP-20-038 and Mississippi State University Extension publication 3602. 2 pp.

7. Cowan CJ, Jefferson AE, Jargowsky MB, **Drymon JM**. **2020**. Are You Older Than a Fish? Maximum Ages of Gulf of Mexico Bony Fishes. Mississippi-Alabama Sea Grant Consortium publication MASGP-20-045 and Mississippi State University Extension publication 3547. 1 pp.

6. Jefferson AE, **Drymon JM**. **2019**. The Great Red Snapper Count: Tagging Study. Mississippi-Alabama Sea Grant Consortium publication MASGP-18-019-05 and Mississippi State University Extension publication 3354. 2 pp.

5. Jefferson AE, **Drymon JM**. **2018**. The Great Red Snapper Count: Depletion Studies. Mississippi-Alabama Sea Grant Consortium publication MASGP-18-019-04 and Mississippi State University Extension publication 3303. 2 pp.

4. Jefferson AE, **Drymon JM**. **2018**. The Great Red Snapper Count: Direct Visual Counts. Mississippi-Alabama Sea Grant Consortium publication MASGP-18-019-03 and Mississippi State University Extension publication 3283. 2 pp.

3. Jefferson AE, **Drymon JM**. **2018**. The Great Red Snapper Count: Habitat Classification. Mississippi-Alabama Sea Grant Consortium publication MASGP-18-019-02 and Mississippi State University Extension publication 3282. 2 pp.

2. Jefferson AE, **Drymon JM. 2018.** The Great Red Snapper Count: Project Overview. Mississippi-Alabama Sea Grant Consortium publication MASGP-18-019-01 and Mississippi State University Extension publication 3281. 2 pp.

1. Jefferson AE, **Drymon JM. 2018.** The Great Red Snapper Count. Mississippi State University Extension publication 3241. 4 pp.

## 10. Technical Reports

13. Mohan JA, Wells RJD, **Drymon JM**, Stunz G, Streich M. **2021.** Preliminary post-release mortality estimates for the shore-based recreational shark fishery in Texas. SEDAR77-DW07. SEDAR, North Charleston, SC. 38 pp.

12. Jargowsky MB, Powers SP, **Drymon JM. 2021.** Size distribution and trends in relative abundance of scalloped hammerheads (*Sphyrna lewini*) in the northern Gulf of Mexico, 2006-2021. SEDAR77-DW06. SEDAR, North Charleston, SC. 11 pp.

11. Stunz GW, WF Patterson III, SP Powers, JH Cowan, JR Rooker, RA Ahrens, K Boswell, L Carleton, M Catalano, **JM Drymon**, J Hoenig, R Leaf, V Lecours, S Murawski, D Portnoy, E Saillant, LS Stokes, and RJD Wells. **2021.** Estimating the absolute abundance of age-2+ red snapper (*Lutjanus campechanus*) in the U.S. Gulf of Mexico. Mississippi-Alabama Sea Grant Consortium, NOAA Sea Grant. 408 pages.

10. **Drymon M**, Jefferson A, Jargowsky M, Seubert E, Dedman S, Mareska J, Hightower C, Powers S. **2020.** Understanding population dynamics of adult red drum (*Sciaenops ocellatus*). Report to Gulf of Mexico Fishery Management Council.

9. Walter J, **Drymon JM**, Gardner C, Hightower C, Patterson W, Powers S. **2017.** A multinomial predictive model to incorporate ROV length data. SEDAR technical document SEDAR52-AWXX.

8. Hightower CL, **Drymon JM**, Powers SP. **2016.** Current status of adult Red Drum (*Sciaenops ocellatus*) in the north central Gulf of Mexico: an update of abundance, age composition, and mortality estimates. SEDAR49-DW-16. SEDAR, North Charleston, SC. 15 pp.

7. Froeschke J, **Drymon JM. 2013.** Atlantic sharpnose shark: Standardized index of relative abundance using boosted regression trees and generalized linear models. SEDAR technical document SEDAR34-WP-12.

6. Hoffmayer ER, Pollack A, Hendon JM, **Drymon JM**, Grace M. **2013.** Standardized catch rates of Atlantic sharpnose sharks (*Rhizoprionodon terraenovae*) collected during bottom longline surveys in Mississippi, Louisiana, Alabama, and Texas coastal waters, 2004-2011. SEDAR technical document SEDAR34-WP-11.

5. Walter J, Devries D, **Drymon JM**, Patterson W, Powers S, Williams J. **2013.** A proposed methodology to incorporate ROV length data into red snapper stock assessments. SEDAR technical document SEDAR31-AW08.

4. Hoffmayer ER, Hendon JM, **Drymon JM**, Pollack A, Carlson JC. **2012.** Standardized catch rates of blacktip sharks (*Carcharhinus limbatus*) collected during bottom longline

surveys in Mississippi, Louisiana, and Alabama coastal waters from 2004-2010. SEDAR technical document SEDAR29-WP-22.

3. **Drymon JM**, Powers SP. **2012**. Catch rates and size distribution of blacktip shark *Carcharhinus limbatus* in the northern Gulf of Mexico, 2006-2010. SEDAR technical document SEDAR29-WP-11.
2. **Drymon JM**, Powers SP, Dindo J, Ingram GW. **2010**. Catch rates and size distribution of blacknose shark, *Carcharhinus acronotus*, in the northern Gulf of Mexico, 2006-2009. SEDAR technical document SEDAR21-DW-25.
1. Carlson JK, **Drymon JM**, Neer J. **2006**. Life history parameters for finetooth sharks, *Carcharhinus isodon*, from the United States South Atlantic Ocean and northern Gulf of Mexico. SEDAR technical document.

## 11. Professional Service

**Manuscript Reviewer for (n=29 journals):** *Ecology, Ecology Letters, Journal of Applied Ecology, Ecological Indicators, Ecosphere, Canadian Journal of Fisheries and Aquatic Sciences, Conservation Science and Practice, PLoS One, Frontiers in Marine Science, Marine Ecology Progress Series, Reviews in Fish Biology and Fisheries, Marine Biology, Estuarine Coastal and Shelf Science, Marine and Coastal Fisheries, Fishery Bulletin, Transactions of the American Fisheries Society, Marine Fisheries Review, Environmental Biology of Fishes, Journal of Fish Biology, Fisheries Management and Ecology, Hydrobiologia, Journal of Experimental Marine Biology and Ecology, ICES Journal of Marine Science, Marine and Freshwater Research, Global Change Biology, Science of the Total Environment, Endangered Species Research, Gulf of Mexico Science, F1000*

**Grant Reviewer for:** *NSF Biological Oceanography, NSF Ocean Sciences Research Initiation, NOAA SK, Texas Sea Grant, North Carolina Sea Grant*

**Book Reviewer for:** *Shark Biology and Conservation: essentials for educators, students and enthusiasts; Sharks: The Animal Answer Guide; Shark Nursery Grounds of the Gulf of Mexico and East Coast Waters of the United States; The Sharks of South Carolina*

**Professional Membership:** The American Elasmobranch Society, The American Fisheries Society, The American Institute of Fishery Research Biologists

**NOAA Highly Migratory Species (HMS) Advisory Panel Member.** 2016-present

**NOAA Highly Migratory Species (HMS) SEDAR Advisory Panel Member,** 2010-present

**American Elasmobranch Society (AES) Board of Directors,** 2021-2025

**Audubon HMS industry Working Group,** 2018-present

**Gulf of Mexico Fishery Management Council Reef Fish SSC member:** 2015-2018

**Gulf of Mexico Fishery Management Council Outreach and Education Technical Committee member:** 2017-present

**University of South Alabama Institutional Animal Care and Use Committee,** 2016-2017

## 12. Public Talks, Invited Seminars

2020	University of West Florida (seminar)
2020	Mississippi Museum of Natural History
2019	Mississippi Audubon Society
2018	Plenary Lecture Gulf and Estuarine Research Society
2018	University of South Alabama Distinguished Lecture Series
2018	University of Southern Mississippi GCRL (seminar)
2018	University of Tampa (seminar)
2017	University of West Alabama (seminar)
2017	University of South Alabama Lecture Series
2017	University of North Carolina Chapel Hill (seminar)
2017	University of Southern Mississippi (seminar)
2016	Gulf Coast Exploreum
2016	Texas Audubon Society
2016	Texas A&M University (seminar)
2016	University of South Alabama Lecture Series
2015	University of South Alabama Lecture Series
2014	Institute of Marine Mammal Studies
2013	Alabama Coastal Fishing Association
2012	Gulf Coast Exploreum
2010	Mobile Big Game Fishing Club
2009	University of West Alabama (seminar)
2007	JL Bedsole Convocation

## 13. Conference Presentations (\* denotes student)

### 2021 (n= )

130. Gervasi C, Corujo R, Rezek R, James R, Nelson J, Jefferson A, **Drymon JM**, Rehage J, Boucek R. 2021. Jack crevalle otolith microchemistry. Annual meeting of the American Fisheries Society.
129. Frazier BS, Vinyard E, Adams D, Bethea D, Driggers W, **Drymon JM**, Fields A, Hendon J, Hoffmayer E, Hueter B, Wells D, Portnoy D. 2021. Age, growth and maturity of the bonnethead, *Sphyrna tiburo*, in the Gulf of Mexico. Annual meeting of the American Elasmobranch Society.
128. Swift D, O'Leary S, Grubbs RD, Frazier BS, Gardiner JM, **Drymon JM**, Bethea DM, Portnoy DS. Delineation of blacktip shark genetic stock structure in the northern Gulf of Mexico. Annual meeting of the American Elasmobranch Society.
127. **Drymon JM**, Dedman S, Jefferson AE, Powers SP. 2021. Defining sex-specific habitat suitability for a northern Gulf of Mexico shark assemblage. Annual meeting of the American Elasmobranch Society.
126. Jargowsky MB, **Drymon JM**, Dance MA, Lovell MS\*, Hightower CL, Jefferson AE, Kroetz AM, Powers SP. 2021. Documentation of Atlantic tarpon (*Megalops atlanticus*)

space use and move persistence in the northern Gulf of Mexico facilitated by angler advocates. Annual meeting of the American Fisheries Society, Mississippi chapter.

125. Jefferson AE, Scyphers SB, **Drymon JM**, Furman KL, Conley E, Niwa Y, Stunz GW. 2021. Understanding and enhancing angler satisfaction with fisheries management: insights from the "Great Red Snapper Count". Annual meeting of the American Fisheries Society, Mississippi chapter
124. **Drymon JM**, Phillips N. Swimming against the flow – environmental DNA can detect bull sharks (*Carcharhinus leucas*) across a dynamic deltaic interface. Annual meeting of the American Fisheries Society, Mississippi chapter

### **2020 (n=8)**

123. Morgan T\*, Barry S, Gulak SJB, **Drymon JM**, Seubert EA, Daly-Engel TS. 2020. Is blood thicker than water? Relatedness and kinship in juvenile bull sharks (*Carcharhinus leucas*). Annual Meeting of the American Elasmobranch Society.
122. **Drymon JM**, Jefferson AE, Hightower CL, Powers SP. 2020. Descender devices or treat tethers? Does barotrauma mitigation increase opportunities for depredation? Mississippi Alabama Sea Grant Consortium Bays and Bayous conference.
121. Calhoun K\*, Jefferson AE, **Drymon JM**. 2020. A synthesis of fishermen training programs across the United States. Mississippi Alabama Sea Grant Consortium Bays and Bayous conference.
120. Jefferson AE, Scyphers SB, **Drymon JM**, Furman KL, Conley E, Niwa Y, Stunz GW. 2020. Understanding and enhancing satisfaction with fisheries management: a case study of the "Great Red Snapper Count" in the U.S. Gulf of Mexico. Mississippi Alabama Sea Grant Consortium Bays and Bayous conference.
119. Jargowsky MB, **Drymon JM**, Dance MA, Lovell MS\*, Hightower CL, Jefferson AE, Kroetz A, Powers SP. 2020. Documentation of Atlantic tarpon (*Megalops atlanticus*) space use and move persistence in the northern Gulf of Mexico facilitated by angler advocates. Mississippi Alabama Sea Grant Consortium Bays and Bayous conference.
118. Devloo-Delva F\* (and 34 others including **JM Drymon**). 2020. From rivers to ocean basins - global genetic population structure of the bull shark. Oceania Chondrichthyan Society.
117. Scyphers S, **Drymon JM**. 2020. Understanding and enhancing satisfaction with fisheries management: a case study of the "Great Red Snapper Count" in the U.S. Gulf of Mexico. Annual Meeting of the American Fisheries Society.
116. Swift D\*, O'Leary S, Grubbs D, Gardiner J, **Drymon JM**, Bethea D, Portnoy D. 2020. Delineating blacktip shark stock structure in the northern Gulf of Mexico using population genomics. Annual Meeting of the American Fisheries Society.

### **2019 (n=13)**

115. Jargowsky MB, Cooper PT\*, **Drymon JM**. 2019. Dietary habits of gafftopsail catfish, *Bagre marinus*, in the northern Gulf of Mexico. Annual Meeting of the American Fisheries Society.

114. **Drymon JM**, Jargowsky MB, Jefferson AE, Kroetz A, Hightower C, Powers SP. 2019. Engaging stakeholders in cooperative research to track tarpon across the northern Gulf of Mexico. Annual Meeting of the American Fisheries Society.
113. Jefferson AE, Schrandt MN, Cooper PT\*, Powers SP, Dindo JJ, **Drymon JM**. 2019. Preliminary analysis of tripletail (*Lobotes surinamensis*) age and growth in the north-central Gulf of Mexico. Annual Meeting of the American Fisheries Society.
112. Sackett DK, Catalano MJ, Hightower C, Albins MA, Powers SP, **Drymon JM**. 2019. High reward tagging reveals temporal variation in red snapper exploitation under increasing recreational season length from 2016-2018. Annual Meeting of the American Fisheries Society.
111. Fields AT\*, Frazier BS, **Drymon JM**, Grubbs RD, Gelsleichter J, Chapman DD, Ruiz A, Hueter RE, Gardnier JM, Portnoy DS. 2019. Population structure of the bonnethead (*Sphyrna tiburo*) along the western North Atlantic. Annual Meeting of the American Elasmobranch Society.
110. Koehler P, **Drymon JM**, Seubert E\*, Gulak S, Winner B, Daly-Engel T. 2019. Not a load of bull: polyandry and relatedness in bull sharks (*Carcharhinus leucas*) in the northern Gulf of Mexico. Annual Meeting of the American Elasmobranch Society.
109. McClain M\*, Frazier B, Guttridge T, Hammerschlag N, Smukall M, Gallagher A, Grubbs D, **Drymon JM**, Daly-Engel T. 2019. Ohana means family: stitching together the connectivity and relatedness of tiger sharks in the north western Atlantic. Annual Meeting of the American Elasmobranch Society.
108. Phillips NM, Schweiss KE\*, Seubert E\*, Daly-Engel T, **Drymon JM**. 2019. Using environmental DNA to examine habitat use of bull sharks, *Carcharhinus leucas*, in the Mobile-Tensaw river delta. Annual Meeting of the American Elasmobranch Society.
107. Seubert E\*, Valentine J, Powers S, Hussey N, **Drymon JM**. 2019. Assessing the trophic flexibility of predator populations in the northcentral Gulf of Mexico using blood plasma stable isotope analysis. Annual Meeting of the American Elasmobranch Society.
106. **Drymon JM**, Feldheim K, Fournier A, Seubert E\*, Jefferson A, Kroetz A, Powers S. 2019. Tiger sharks eat songbirds: scavenging a windfall of nutrients from the sky. Annual Meeting of the American Elasmobranch Society.
105. **Drymon JM**, Feldheim K, Fournier A, Seubert E\*, Jefferson A, Kroetz A, Powers S. 2019. Tiger sharks eat passerines: exploring the prevalence of a unique trophic interaction. Annual Meeting of the American Ornithology Society.
104. Seubert E\*, Jefferson A, Dedman S, Froeschke J, Kroetz A, Mareska J, Powers S, **Drymon M**. 2019. Factors influencing an elasmobranch community assemblage identified through long-term bottom longline surveys. Annual Meeting of the American Fisheries Society, Southern Division.

103. **Drymon JM**, Feldheim K, Fournier A, Seubert E\*, Jefferson A, Kroetz A, Powers S. 2019. Tiger sharks eat songbirds: scavenging a windfall of nutrients from the sky. Annual Meeting of the American Fisheries Society, Southern Division.

**2018 (n=18)**

102. Carleton LM\*, **Drymon JM**, Hoenig JM. **2018**. A concentric circles survey design for open water depletion studies. ICES Annual Science Conference.
101. **Drymon JM**, Jargowsky MB, Jefferson AE, Kroetz AM, Hightower CL, Powers SP. **2018**. Tracking tarpon across the northern Gulf of Mexico: a citizen science success. Mississippi Alabama SeaGrant Consortium Bays and Bayous conference.
100. Hightower CL, Powers SP, **Drymon JM**, Nelson TR. 2018. Assessing the current status of adult Red Drum (*Sciaenops ocellatus*) in the northern Gulf of Mexico. Mississippi Alabama SeaGrant Consortium Bays and Bayous conference.
99. Dunne G\*, Schrandt M, Coym J, **Drymon JM**. **2018**. Toxic element concentrations in muscle tissue of Atlantic tripletail *Lobotes Surinamensis* in the northern Gulf of Mexico. Mississippi Alabama SeaGrant Consortium Bays and Bayous conference.
98. Schweiss KE\*, **Drymon JM**, Daly-Engel TS, Phillips NM. **2018**. Development of environmental DNA techniques to assess habitat usage in bull sharks. Mississippi Alabama SeaGrant Consortium Bays and Bayous conference.
97. Gill K\*, Seubert E, Jefferson AE, **Drymon JM**. **2018**. POSTER. Spatial ecology of tiger sharks (*Galeocerdo cuvier*) in the northern Gulf of Mexico. Mississippi Alabama SeaGrant Consortium Bays and Bayous conference.
96. Jagolta K\*, **Drymon JM**. **2018**. POSTER. Changing negative perceptions of sharks through directed outreach programs. Mississippi Alabama SeaGrant Consortium Bays and Bayous conference.
95. Jargowsky MB\*, Cooper PT, **Drymon JM**. **2018**. Dietary habits of *Gymnura lessae* revealed through DNA meta-barcoding of stomach contents. Mississippi Alabama SeaGrant Consortium Bays and Bayous conference.
94. Seubert EM\*, Valentine J, Powers SP, **Drymon JM**. **2018**. Evaluating trophic diversity in a northcentral Gulf of Mexico elasmobranch assemblage. Mississippi Alabama SeaGrant Consortium Bays and Bayous conference.
93. Jefferson AE, **Drymon JM**. **2018**. Stakeholder engagement is a critical component of the Gulf-wide Great Red Snapper Count project. Mississippi Alabama SeaGrant Consortium Bays and Bayous conference.
92. Phillips NM, Schweiss KE\*, Lehman RN\*, **Drymon JM**, Poulakis GR, Hendon JM. **2018**. Advancing the role of environmental DNA (eDNA) in the conservation of threatened species with droplet-digital PCR. Annual meeting of the SEAFWA.
91. **Carleton L\***, **Drymon JM**, Powers SP, Hoenig J. **2018**. A concentric circles survey design for open water depletion studies. ICES Annual Science Conference.

90. Ajemian MJ, **Drymon JM**, Wells RJD, Falterman B, McKinney J, Stunz GW. **2018**. Migratory behavior and habitat use of tiger sharks (*Galeocerdo cuvier*) in the Gulf of Mexico. Sharks International.
89. Jargowsky M\*, **Drymon JM**. **2018**. Dietary habitats of *Gymnura lessae* revealed through DNA meta-barcoding of stomach contents. Sharks International.
88. Seubert EM\*, Valentine J, **Drymon JM**. **2018**. Trophic ecology of an elasmobranch assemblage revealed through stable isotope analysis. Sharks International.
87. **Drymon JM**, Wells RJD. **2018**. Double tagging clarifies post-release fate of great hammerheads (*Sphyrna mokarran*). Sharks International.
86. Sackett D, Catalano M, **Drymon M**, Powers S. **2017**. High reward tagging to estimate Red Snapper exploitation in the northern Gulf of Mexico off Alabama. Annual meeting of the American Fisheries Society, Alabama Chapter.
85. Hightower CL, Powers SP, **Drymon JM**, Spearman T, Bosarge S, Jefferson A. 2018. Distribution and age composition of red snapper *Lutjanus campechanus* across the inner continental shelf of the northern Gulf of Mexico. Annual meeting of the American Fisheries Society, Alabama Chapter.

#### **2017 (n=12)**

84. Schweiss KE\*, **Drymon JM**, Daly-Engel TS, Phillips NM. 2017. Development of environmental DNA techniques to assess habitat usage in bull sharks. Annual meeting of the American Elasmobranch Society. POSTER.
83. **Drymon JM**, Scyphers SS. **2017**. Attitudes and perceptions influence recreational angler support for shark conservation and fisheries sustainability. Annual meeting of the American Elasmobranch Society.
82. Seubert E\*, Valentine J, **Drymon JM**. **2017**. Evaluating ecosystem resiliency through stable isotope analysis of common elasmobranchs across the northern Gulf of Mexico. Annual meeting of the American Elasmobranch Society.
81. Jargowsky M\*, **Drymon JM**. **2017**. Spatial ecology of rays in Mobile Bay. Annual meeting of the American Elasmobranch Society.
80. Powers SP, Shipp RL, **Drymon JM**, Powers MJ, Hightower CL, Jefferson A. 2017. Evidence for variable recruitment of Red Snapper in the northcentral Gulf of Mexico. Annual meeting of the American Fisheries Society.
79. Hightower C, **Drymon JM**, Mareska J, Powers SP. **2017**. Using action cameras to correct for Red Snapper depredation events during fishery-independent surveys in Alabama's Artificial Reef Permit Zone. Annual meeting of the American Fisheries Society.
78. Jefferson A\*, Allman R, Hernandez F, **Drymon JM**. **2017**. Age and growth of gray triggerfish in the Alabama Artificial Reef Zone. Annual meeting of the American Fisheries Society.

77. White SE\*, Albins MA, **Drymon JM**, Powers SP. **2017**. Lionfish abundance and distribution in the Alabama Artificial Reef Zone. Annual meeting of the American Fisheries Society.
76. Walter J, Karnauskas M, Pollock A, Campbell M, **Drymon M**, Powers S. **2017**. The spatial context of the attraction/production debate, red snapper distribution on artificial reefs, oil rigs, and natural habitats. Annual meeting of the American Fisheries Society.
75. Sackett D, Catalano M, **Drymon M**, Powers S. **2017**. High reward tagging to estimate Red Snapper exploitation in the northern Gulf of Mexico off Alabama. Annual meeting of the American Fisheries Society.
74. Seubert EM\*, Valentine J, **Drymon JM**. **2017**. Species and functional diversity of apex and mesopredators in the Northern Gulf of Mexico. Gulf of Mexico Oil Spill and Ecosystem Science conference.
73. McClain MA\*, Gallagher A, Hammerschlag N, **Drymon JM**, Grubbs D, Guttridge T, Daly-Engel TS. **2017**. Connectivity and relatedness in tiger sharks between the Gulf of Mexico and West Atlantic. Annual Meeting of the Society for Integrative & Comparative Biology. POSTER.

#### **2016 (n=15)**

72. **Drymon JM**, Miller M\*, Polska K\*, Dahl K\*, Herring B\*, Borchert G. **2016**. A novel approach for mitigating depredation, a source of cryptic fishing mortality for Gulf of Mexico Red Snapper. Mississippi Alabama SeaGrant Consortium Bays and Bayous conference.
71. Cox E, Albins M, **Drymon JM**, Powers SP, Cebrian J. **2016**. Assessing the ecological benefits of a new artificial reef network in the northern Gulf of Mexico. Mississippi Alabama SeaGrant Consortium Bays and Bayous conference. POSTER.
70. Jargowsky M\*, **Drymon JM**. **2016**. Spatial ecology of stingrays in Mobile Bay. Mississippi Alabama SeaGrant Consortium Bays and Bayous conference. POSTER.
69. Hightower CL, **Drymon JM**, Mareska J, Powers SP. **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 Consortium Bays and Bayous conference.
68. Spearman T, **Drymon JM**, Powers SP. **2016**. Spatial dynamics of demersal communities in the northcentral Gulf of Mexico. Mississippi Alabama SeaGrant Consortium Bays and Bayous conference.
67. White S\*, Albins M, **Drymon JM**. **2016**. Lionfish (*Pterois spp.*) abundance and distribution within the Alabama Reef Permit Zone. Mississippi Alabama SeaGrant Consortium Bays and Bayous conference.
66. Seubert EM\*, Valentine J, **Drymon JM**. **2016**. Species and functional diversity of apex and mesopredators in the Northern Gulf of Mexico. Mississippi Alabama SeaGrant Consortium Bays and Bayous conference.

65. Jefferson A\*, **Drymon JM. 2016.** Preliminary analysis of Gray Triggerfish life history and distribution in the Alabama Artificial Reef Zone. Mississippi Alabama SeaGrant Consortium Bays and Bayous conference.
64. Wells RJD, **Drymon JM**, Tinhon T, Falterman B, Ajemian MA, Stunz G, Hoffmayer E, Driggers WB III. **2016.** Movement and oceanographic preferences of Scalloped Hammerheads (*Sphyrna lewini*) in the Gulf of Mexico. Annual meeting of the Gulf and Caribbean Fisheries Institute (GCFI). POSTER.
63. **Drymon JM**, Scyphers SB. **2016.** Perceptions of sharks influence angler support for fisheries and conservation. Annual meeting of the Gulf and Caribbean Fisheries Institute (GCFI).
62. \*Vinyard E, Bublely W, Frazier B, **Drymon JM. 2016.** Age, growth and maturation of the finetooth shark *Carcharhinus isodon* in coastal waters of the western North Atlantic Ocean. Annual meeting of the American Elasmobranch Society (AES).
61. \*Seubert E, **Drymon JM. 2016.** Species and functional biodiversity of apex and mesopredators in the Northern Gulf of Mexico. Annual meeting of the American Elasmobranch Society (AES).
60. **Drymon JM**, Froeschke JT, Kroetz AM, Mareska J, Powers SP. **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).
59. Valentine JF, Martin CW, **Drymon JM**, Spearman T, Powers SP. **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.
58. Valentine JF, Martin CW, **Drymon JM**, Spearman T, Powers SP. **2016.** Analysis of long-term datasets indicates heterogeneous impacts resulting from the Deepwater Horizon accident on nekton in the northcentral Gulf of Mexico. Annual GoMRI meeting.

### **2015 (n=5)**

57. **Drymon JM**, Borchert GM, Powers SP. **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).
56. \*Carlton L, **Drymon JM**, Walter J, Laretta M, Powers SP, Hoenig J. **2015.** Evaluating effects of recreational fishing at red snapper hot spots using index-removal methods. Annual meeting of the American Fisheries Society (AFS).
55. \*Stone L, **Drymon JM**, Powers SP. **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).
54. \*Kroetz A, **Drymon JM**, Liam CH, Powers SP. **2015.** Preliminary large-scale movements of Atlantic Tarpon (*Megalops atlanticus*) determined from pop-off archival tags.. Annual meeting of the American Fisheries Society (AFS).

53. \*Vinyard L, **Drymon JM**, Bublely W, Frazier B. **2015**. Age, growth, and maturation of the Finetooth Shark *Carcharhinus isodon* in the coastal waters of the western North Atlantic Ocean. Annual meeting of the American Elasmobranch Society (AES).

**2014 (n=6)**

52. **Drymon JM**, Ajemian MA, Powers SP. **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.
51. \*Stone L, Powers SP, **Drymon JM**. **2014**. Discard mortality and spatial dynamics of greater amberjack (*Seriola dumerili*). Mississippi Alabama SeaGrant Consortium Bays and Bayous conference.
50. Hightower CL, Powers SP, **Drymon JM**. **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.
49. \*Kroetz AM, **Drymon JM**, Powers SP. **2014**. Tracking Alabama's state saltwater fish, Atlantic tarpon (*Megalops atlanticus*), using satellite telemetry. Mississippi Alabama SeaGrant Consortium Bays and Bayous conference.
48. \*Kroetz AM, **Drymon JM**, 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).
47. **Drymon JM**, Ajemian MA, Powers SP. **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).

**2013 (n=6)**

46. \*Dimens P, **Drymon JM**, Powers SP. 2013. Using a landing sling to fill the data gap left by really big fish. Annual meeting of the Gulf and Caribbean Fisheries Institute.
45. Powers SP, **Drymon JM**. 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.
44. Powers SP, Hightower CL, **Drymon JM**. 2013. Age composition and distribution of red drum (*Sciaenops ocellatus*) in offshore waters of the north central Gulf of Mexico: evaluating a stock under a federal harvest moratorium. Annual meeting of the American Fisheries Society (AFS).
43. Powers SP, **Drymon JM**. **2013**. Density-dependent predation creates sink populations in a shallow water benthic system. Annual meeting of the American Elasmobranch Society (AES).
42. **Drymon JM**, Carassou L, Powers SP. **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).

41. \*Leary A., Gelsleichter J, **Drymon JM**, Grubbs RD. **2013**. Biomarkers of polycyclic aromatic hydrocarbons exhibited in coastal species from the Gulf of Mexico after the Deepwater Horizon Oil Spill. Gulf of Mexico Oil Spill & Ecosystem Science Conference.

**2012 (n=14)**

40. \*Kroetz AM, Ajemian MJ, **Drymon JM**, Powers SP. **2012**. Monitoring shifts in movement of bonnethead sharks (*Sphyrna tiburo*) in coastal Alabama using acoustic telemetry. Annual meeting of the Gulf Estuarine Research Society (GERS).
39. \*Free C, **Drymon JM**, Powers SP. **2012**. The impact of the Deepwater Horizon oil spill on the composition of marine megafauna in the northern Gulf of Mexico. Mississippi/Alabama SeaGrant Consortium (MASGC) Bays and Bayous Conference.
38. \*Kroetz AM, **Drymon JM**, Ajemian MJ, Powers SP. **2012**. Anthropogenic impacts on the movement of a small coastal shark. Mississippi/Alabama SeaGrant Consortium (MASGC) Bays and Bayous Conference.
37. Jackson J, \*Garner S, **Drymon JM**, Powers SP. **2012**. Examining release mortality in the Gulf of Mexico greater amberjack (*Seriola dumerili*) stock with acoustic telemetry. Mississippi/Alabama SeaGrant Consortium (MASGC) Bays and Bayous Conference. POSTER.
36. \*Spearman TP, \*Perez D, \*Adams N, **Drymon JM**, Powers SP. **2012**. Expanding fisheries independent surveys into Alabama's artificial reef permit zones: traditional gear meets the unconventional. Mississippi/Alabama SeaGrant Consortium (MASGC) Bays and Bayous Conference. POSTER.
35. \*Stone LC, \*Kroetz AM, **Drymon JM**, Powers SP. **2012**. The influence of depth on the distribution of apex predators in the northern Gulf of Mexico. Mississippi/Alabama SeaGrant Consortium (MASGC) Bays and Bayous Conference. POSTER.
34. Gregalis K, \*Schlenker L, **Drymon JM**, Markeska J, Powers SP. **2012**. Evaluating the performance of vertical longlines to survey reef fish populations in the northern Gulf of Mexico. Mississippi/Alabama SeaGrant Consortium (MASGC) Bays and Bayous Conference.
33. \*Leary A, Gelsleichter J, **Drymon JM**. **2012**. Evaluating the effects of the Deepwater Horizon Oil Spill on coastal and pelagic species in the Gulf of Mexico via polycyclic aromatic hydrocarbon metabolite detection in bile with fixed wavelength fluorescence. Annual meeting of the American Elasmobranch Society (AES).
32. \*Kroetz AM, **Drymon JM**, Ajemian MJ, Powers SP. **2012**. Did the closure of Katrina Cut impact the movement of a coastal shark? Annual meeting of the American Elasmobranch Society (AES).
31. \*Leary A, Gelsleichter J, **Drymon JM**, Hueter RE. **2012**. Evaluating the effects of the Deepwater Horizon Oil Spill on coastal and pelagic species in the Gulf of Mexico via polycyclic aromatic hydrocarbons metabolite detection in bile with fixed wavelength fluorescence. Annual meeting of the American Elasmobranch Society (AES).

30. **Drymon JM**, Powers SP, \*Kroetz AM, Feldheim K, \*Gautreaux J. **2012**. Are tiger sharks a seasonal conduit of terrestrial energy into marine foodwebs? Annual meeting of the American Elasmobranch Society (AES).
29. \*Leary A, Gelsleichter J, \*Ford R, \*Anderson B, **Drymon JM**, Hueter RE. **2012**. Effects of the Deepwater Horizon Oil Spill evaluated by fixed wavelength fluorescence (FF) of polycyclic aromatic hydrocarbons (PAH) metabolites in fish bile of coastal and epipelagic species. Annual meeting of the American Fisheries Society (AFS), Southern Division.
28. \*Gonzales De Acevedo M, Gelsleichter J, \*Walker CJ, \*Ford R, \*Anderson B, **Drymon JM**. **2012**. Investigation of the impacts of the Deepwater Horizon Oil Spill on coastal fish populations in the northeast Gulf of Mexico using measurements of Cytochrome P450 1A1 activity. Annual meeting of the American Fisheries Society (AFS), Southern Division.
27. \*Kramer L, Hernandez FJ, Powers SP, **Drymon JM**. **2012**. Examining trophic dynamics within floating *Sargassum* communities of the northern Gulf of Mexico using predator-prey mesocosm experiments. Annual meeting of the American Society for Limnology and Oceanography (ASLO). POSTER.

#### **2011(n=6)**

26. **Drymon JM**, Carassou L, Powers SP. **2011**. Multi-scale investigation of the factors affecting the distribution of sharks in the Gulf of Mexico. Annual meeting of the American Fisheries Society (AFS).
25. **Drymon JM**, Ajemian MA, Powers SP. **2011**. Monitoring populations of bull sharks (*Carcharhinus leucas*) in coastal Alabama using acoustic telemetry. Annual meeting of the American Elasmobranch Society (AES).
24. Dzwonkowski B, Carassou L, **Drymon JM**, Park K, Hernandez FJ, Powers SP, Graham WM. **2011**. Impact of discharge on the physical and biological structure of the northeastern Gulf of Mexico. Annual meeting of the American Society for Limnology and Oceanography (ASLO).
23. \*Schlenker LS, Gregalis K, **Drymon JM**, Powers SP. **2011**. Multiple gear fisheries independent assessment of the red snapper population in Alabama's reef permit zone. Annual Benthic Ecology Meeting.
22. \*Valentine M, Ajemian MA, **Drymon JM**, Powers SP. **2011**. Coastal Alabama Acoustic Monitoring Program (CAAMP): tracking elasmobranch fauna in Mobile Bay. Annual Benthic Ecology Meeting.
21. \*Walker CJ, Gelsleichter J, **Drymon JM**. **2011**. Assessing the impacts of the Deepwater Horizon Oil Spill on sharks caught off the coast of Alabama. Annual meeting of the American Elasmobranch Society (AES).

#### **2010 (n=9)**

20. **Drymon JM**, Powers SP. **2010**. Trophic plasticity in the Atlantic sharpnose shark *Rhizoprionodon terraenovae* in the north central Gulf of Mexico. Mississippi/Alabama SeaGrant Consortium Bays and Bayous Conference.

19. **Drymon JM**, Powers SP. **2010**. Correspondence between the distribution of some meso predators and primary productivity in the Gulf of Mexico on multiple spatial scales. International Council for the Exploration of the Sea, Annual Science Conference (ICES ASC).
18. **Drymon JM**, Powers SP. **2010**. Trophic plasticity in the Atlantic sharpnose shark *Rhizoprionodon terraenovae* in the north central Gulf of Mexico. International Council for the Exploration of the Sea, Annual Science Conference (ICES ASC). POSTER.
17. **Drymon JM**, Powers SP. **2010**. Trophic plasticity in the Atlantic sharpnose shark *Rhizoprionodon terraenovae* in the north central Gulf of Mexico. Annual meeting of the American Elasmobranch Society (AES).
16. Ajemian MA, **Drymon JM**, Powers SP. **2010**. Setting up CAAMP: The Coastal Alabama Acoustic Monitoring Program. Gulf of Mexico Graduate Student Symposium (GSS).
15. Gregalis K, Powers SP, **Drymon JM**, Mareska J. **2010**. Fisheries independent sampling program in the northern Gulf of Mexico: Alabama's reef permit zone. Mississippi/Alabama SeaGrant Consortium Bays and Bayous Conference.
14. Kroetz AM, **Drymon JM**, Powers SP, Dindo J. **2010**. Evaluating the importance of nearshore waters for coastal sharks in the northern Gulf of Mexico. Mississippi/Alabama SeaGrant Consortium Bays and Bayous Conference.
13. Kroetz AM, **Drymon JM**, Dindo J, Powers SP. **2010**. Cross shelf distributions of coastal sharks in the northern Gulf of Mexico. Annual Meeting of the Alabama Fisheries Association.
12. Valentine M, Ajemian MA, **Drymon JM**, Powers SP. **2010**. Coastal Alabama Acoustic Monitoring Program (CAAMP): tracking elasmobranch fauna in Mobile Bay. Mississippi/Alabama SeaGrant Consortium (MASGC) Bays and Bayous Conference.

**Prior to 2010 (n=11)**

11. **Drymon JM**, Powers SP, Dindo J, Henwood T. **2009**. Distributions of sharks among estuarine, coastal and oceanic regions of the Gulf of Mexico. Annual meeting of the American Elasmobranch Society (AES).
10. **Drymon JM**, Powers SP. **2009**. Quantifying regional differences in shark abundance and distribution: a step towards ecosystem management. Annual Meeting of the American Fisheries Society (AFS), Mississippi Chapter.
9. **Drymon JM**, Powers SP. **2008**. Quantifying regional differences in shark abundance and distribution: a step towards ecosystem management. World Fisheries Congress (WFC).
8. **Drymon JM**, Powers SP. **2008**. Quantifying regional differences in shark abundance and distribution: a step towards ecosystem management. Annual meeting of the American Elasmobranch Society (AES).

7. Kroetz AM, **Drymon JM**, Powers SP. **2008**. Sharky chemistry: using stable isotopes to evaluate trophic dynamics of sharks in the northern Gulf of Mexico. Mississippi/Alabama SeaGrant Consortium Bays and Bayous Conference. POSTER.
6. **Drymon JM. 2007**. Distributions of coastal sharks in the northern Gulf of Mexico: preliminary temporal data. Annual meeting of the American Elasmobranch Society (AES).
5. **Drymon JM. 2006**. Investigations into trophic structure and food web dynamics of sharks in the Gulf of Mexico. Gulf of Mexico Graduate Student Symposium.
4. Jones LM, Driggers WB, **Drymon JM**, Henwood T. **2005**. Preliminary age and growth of *Mustelus* in the US Gulf of Mexico. Annual meeting of the American Elasmobranch Society (AES).
3. **Drymon JM. 2004**. Age, growth and maturation of the finetooth shark, *Carcharhinus isodon* in the western North Atlantic Ocean. Annual meeting of the American Elasmobranch Society (AES).
2. **Drymon JM. 2003**. Age, growth and maturation of the finetooth shark, *Carcharhinus isodon* off the Southeastern US. Annual meeting of the American Fisheries Society (AFS).
1. **Drymon JM. 2003**. Aspects of the Life History of finetooth sharks (*Carcharhinus isodon*) off the Southeastern US: a preliminary report. Annual meeting of the American Elasmobranch Society (AES).

#### 14. National Media Coverage

**May 2019** Radio interview UnDisciplined with Matthew LaPlante

**May 2019** Radio interview with XM Sirius radio

**May 2019** *Ecology* article summarized in *Science, Nature, National Geographic, The Atlantic, Audubon, Newsweek, Popular Science, Scientific American, Cosmos, Eureka Alert, DW, The Independent, Mirror, Telegraph, Daily Mail, CNet, Live Science, Phys.org, The Week, Fox News, Geek.com*

**May 2016** "Blitzkrieg Sharks" *National Geographic Channel*

**July 2015** "The death of kill tournaments?" *Guy Harvey Magazine*

**January 2012**. "Sharks Eating Songbirds in the Gulf of Mexico" *National Geographic, NPR, Audubon Magazine, Washington Post & others.*

**September 2010**. "Researchers Keep a Close Eye on Alabama's Coastal Sharks after the Oil Spill" *alexandracousteau.org.*