

Matthew Stephen Woodstock, Ph.D.

Biological Oceanographer | Ecological Modeler

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Current Appointment

Woods Hole Oceanographic Institution

Postdoctoral Scholar

2023-Present

Previous Appointments

Morgan State University

Postdoctoral Fellow

2022-2023

Education

Florida International University

Biological Sciences, Ph.D. completed with Dr. Yuying Zhang

“Ecological Modeling of the Oceanic Zone: A Gulf of Mexico Case Study”

2018-2022

Nova Southeastern University

Marine Science, M.Sc. completed with Dr. Tracey Sutton

“Trophic Ecology and Parasitism of a Mesopelagic Fish Assemblage in the Gulf of Mexico”

2015-2018

Beloit College

Ecology, Evolution, and Behavior Biology, B.Sc.

“Competing Hypotheses in the Sexual Segregation of the Atlantic Sharpnose Shark”

2012-2015

Other Relevant Professional Experience

STEM Educator, Museum of Discovery and Science, Fort Lauderdale, FL

Developed and taught 50 interactive science, technology, engineering, and mathematics lessons to students (age 5–14) to underprivileged schools. Performed daily science demonstrations to an audience of 100 people.

2017-2018

Sea Turtle Specialist, Broward County Sea Turtle Conservation Program

Monitored up to 5,000 endangered sea turtle nests in Broward County, Florida through daily nesting surveys. Conducted public outreach events (e.g., hatchling releases, community events) to teach of Sea Turtle Conservation

2016-2018

Nature Educator, Barbara C. Harris Summer Camp, Greenfield, NH

Taught daily outdoor nature lessons to youth (ages 8–12) in the New Hampshire forests, led campers through weekly activities

2015

Marine Ecologist, Coastal Marine Education and Research Academy, Clearwater, FL

Aided in a population dynamics study for sharks and stingrays on the Clearwater, Florida coast. Learned proper identification and handling techniques.

2014

Publications

9. **Woodstock, M.S.**, J.J. Kiszka, M.R. Ramírez-León, T.T. Sutton, K. Fennel, B. Wang, Y. Zhang. (2023). Cetacean-mediated nitrogen transport in the oceanic Gulf of Mexico. *Limnology and Oceanography*. doi: [10.1002/lno.12433](https://doi.org/10.1002/lno.12433)
8. Richards, T., T.T. Sutton, **M.S. Woodstock**, H. Judkins, D. Wells. (2023). Body size, depth of occurrence, and local oceanography shape trophic structure in a diverse deep-pelagic micronekton assemblage. *Progress in Oceanography*.
7. **Woodstock, M.S.**, Y. Zhang. (2022). Towards ecosystem modeling in the deep sea: A review of past efforts and primer for the future. *Deep-Sea Research Part I: Oceanographic Research Papers*. 188:103851. doi: [10.1016/j.dsr.2022.103851](https://doi.org/10.1016/j.dsr.2022.103851)

6. **Woodstock, M.S.,** T.T. Sutton, Y. Zhang. (2022). A trait-based carbon export model for mesopelagic fishes in the Gulf of Mexico with consideration of asynchronous vertical migration, flux boundaries, and feeding guilds. *Limnology and Oceanography*. 67:1443–1455. doi: [10.1002/lno.12093](https://doi.org/10.1002/lno.12093)
5. Kiszka, J.J., **M.S., Woodstock,** M. Heithaus. (2022). Functional roles and ecological importance of small cetaceans in aquatic ecosystems. *Frontiers in Marine Science*. doi: [10.3389/fmars.2022.803173](https://doi.org/10.3389/fmars.2022.803173)
4. **Woodstock, M.S.,** T.T. Sutton, T. Frank, Y. Zhang. (2021). An early warning sign: trophic structure changes in the oceanic Gulf of Mexico from 2011–2018. *Ecological Modelling*. 445:109509. doi:[10.1016/j.ecolmodel.2021.109509](https://doi.org/10.1016/j.ecolmodel.2021.109509)
3. **Woodstock, M.S.,** C.A. Blonar, T.T. Sutton. (2020). Diet and parasites of a mesopelagic fish assemblage in the Gulf of Mexico. *Marine Biology*. 167:184. doi:[10.1007/s00227-020-03796-6](https://doi.org/10.1007/s00227-020-03796-6)
2. Beck, H.N., A. Cohen, T. McKenzie, R. Weisend, K.W. Wikins, **M.S. Woodstock.** (2019). Broadening Horizons: Graduate Students Participating in International Collaborations Through the Limnology and Oceanography Research Exchange (LOREX) Program. *Limnology and Oceanography Bulletin*. 28: 85–89. doi:[10.1002/lob.10339](https://doi.org/10.1002/lob.10339)
1. **Woodstock, M.S.,** C. Golightly, D. Fenolio, J.A. Moore. (2019). *Larsonia pterophylla* (Cnidaria, Pandeidae) parasitic on two Anguilliformes: *Paraconger* sp. (Congridae) and *Callenchelyini* sp. (Ophichthidae) in the Gulf of Mexico. *Gulf and Caribbean Research*. 30:SC7–10. doi:[10.18785/gcr.3001.05](https://doi.org/10.18785/gcr.3001.05)

Manuscripts Available Upon Request (First Author Only)

4. **Woodstock, M.S.,** A.T. Bevans, M. Sulyman, J.J. Kiszka, Y. Zhang, T.F. Ihde. (in prep.). Empirical dynamic modeling as an application of ecosystem modeling output.
3. **Woodstock, M.S.,** A.T. Bevans, M. Sulyman, S. Knoche, T.F. Ihde. (in prep.). The economic impacts of living habitat change in the Virginia Middle Peninsula, Chesapeake Bay.
2. **Woodstock, M.S.,** T.T. Sutton, T. Frank, K. Fennel, B. Wang, F. Hernandez, Y. Zhang. (in prep.). Mesopelagic micronekton mortality regimes and ecosystem functioning in the oceanic Gulf of Mexico following the 2010 *Deepwater Horizon* oil spill.
1. **Woodstock, M.S.,** J.J. Kiszka, P.G.H. Evans, J.J. Waggitt, Y. Zhang. (in prep.). Debunking misconceptions: rising marine mammal abundances have little impact on fisheries in the southern North Sea.

Oral Presentations (“*” Denotes Advised and Co-Advised Students)

24. Bevans, A.T.*, M. Sulyman*, **M.S. Woodstock,** S. Knoche, T. Ihde. (2024). Modeling the effects of the habitat change in the York and Piankatank Rivers. Chesapeake Community Research Symposium. Annapolis, MD. (upcoming)
23. Bevans, A.T.*, M. Sulyman*, **M.S. Woodstock,** S. Knoche, T. Ihde. (2024). Understanding foundational habitat changes in the Chesapeake Bay with a York River ecosystem model. Atlantic Estuarine Research Society. Gloucester Point, VA.
22. Hoyt, E. *, **M.S. Woodstock,** P. Piavis, D. Sanderson-Kilchenstein, T.F. Ihde. (2023). The effects of spatial bias on the management of fished populations. Chesapeake Watershed Forum. Shepardsstown, WV.
21. Sulyman, M. *, A.T. Bevans*, **M.S. Woodstock,** S. Knoche, T. Ihde. (2023). The ecological impacts of oyster reef restoration in Virginia’s Middle Peninsula. Chesapeake Oyster Science Symposium, Cambridge, MD.
20. **Woodstock, M.S.,** A.T. Bevans*, M. Sulyman*, Y. Zhang, J.J. Kiszka, T. Ihde. (2023). Predicting causality in ecosystem models using empirical dynamic modeling. American Fisheries Society National Meeting. Grand Rapids, MI
19. Bevans, A.T. *, M. Sulyman*, **M.S. Woodstock,** S. Knoche, T. Ihde. (2023). Modeling habitat change effects in the York River ecosystem, Chesapeake Bay. American Fisheries Society National Meeting. Grand Rapids, MI.

18. **Woodstock, M.S.**, A.T. Bevens*, M. Sulyman*, S. Knoche, T. Ihde. (2023). The ecosystem-scale impacts of living habitat change in Virginia's Middle Peninsula. American Fisheries Society National Meeting. Grand Rapids, MI.
17. Bevens, A.T.*, M. Sulyman*, **M.S. Woodstock**, S. Knoche, T. Ihde. (2023). Improving our understanding of habitat changes in the Chesapeake Bay with a York River ecosystem model. Morgan State University Spring Into Research Graduate Symposium. Baltimore, MD.
16. Bevens, A.T.*, M. Sulyman*, **M.S. Woodstock**, S. Knoche, T. Ihde. (2022). Estimating the Commercial Fishing Effects of Habitat Restoration in Virginia's Middle Peninsula. Chesapeake Oyster Alliance Meeting.
15. Sutton, T., Z. Milligan, K. Boswell, H. Bracken-Grissom, A. Cook, T. Frank, D. Hahn, M. Johnston, H. Judkins, J. Moore, J. Moore, J. Quinlan, P. Peres, I. Romero, M. Vecchione, M. Shivji, A. Bernard, M. D'Elia, **M. Woodstock**, Y. Zhang, K. Benson, M. Karnauskas, F. Parker. (2022). The state of the pelagic Gulf of Mexico: the continuing mission of the DEEPEND research consortium. The Gulf of Mexico Conference.
14. **Woodstock, M.S.**, T.T. Sutton, Y. Zhang. (2022). A trait-based carbon export model for mesopelagic fishes in the Gulf of Mexico with consideration of asynchronous vertical migration, flux boundaries, and feeding guilds. ASLO Ocean Sciences Meeting. Online Presentation.
13. **Woodstock, M.S.** (2021). SciComm beyond LOREX: How an international research program inspired future science communication efforts. ASLO Aquatic Sciences Meeting. Online Presentation.
12. **Woodstock, M.S.**, T.T. Sutton, T. Frank, Y. Zhang. (2021). Assessing trophic structure dynamics in ecosystem models using the offshore Gulf of Mexico as an example. ASLO Aquatic Sciences Meeting. Online Presentation.
11. **Woodstock, M.S.**, J.J. Kiszka, P.G.H. Evans, J.J. Waggitt, Y. Zhang. (2021). Debunking Misconceptions: Marine mammals and seabirds have limited impacts on fisheries catches in the North Sea. Florida International University Biosymposium. Online Presentation.
10. **Woodstock, M.S.**, T.T. Sutton, T. Frank, Y. Zhang. (2020). Assessing trophic structure dynamics in ecosystem models using the offshore Gulf of Mexico as an example. American Fisheries Society Annual Meeting. Online Presentation.
9. **Woodstock, M.S.**, T.T. Sutton, T. Frank, Y. Zhang. (2020). An early warning sign: trophic structure changes in the oceanic Gulf of Mexico from 2011–2018. Deep Sea Biology Society Meeting. Online Presentation.
8. Chua, E., E. Knotts, K. Wilkins, **M.S. Woodstock**, A.R. Marín. (2020). Limnology and Oceanography Research Exchange (LOREX). European Geosciences Union Meeting. Online Presentation.
7. **Woodstock, M.S.** (2020). Take a hike: creating a positive work-life balance through excursions. Ocean Sciences Meeting. San Diego, CA.
6. **Woodstock, M.S.**, B. Wang, K. Fennel, T.T. Sutton, Y. Zhang. (2020). Ecological importance of mesopelagic fishes in the oceanic Gulf of Mexico. Florida International University Biosymposium. North Miami, FL.
5. Quinquempois, V., **M.S. Woodstock**, Y. Zhang, M. Heithaus, J. Kiszka. (2019). The top-down effects of cetaceans in the Gulf of Mexico: Who are the key players? World Marine Mammal Conference. Barcelona, Spain.
4. **Woodstock, M.S.** (2019). Food web model of the oceanic Gulf of Mexico. Florida International University Biosymposium. North Miami, FL.
3. **Woodstock, M.S.**, C.A. Blonar, T.T. Sutton. (2018). Trophic ecology and parasitism of a mesopelagic fish assemblage. Nova Southeastern University Biosymposium. Dania Beach, FL.
2. **Woodstock, M.S.**, C.A. Blonar, T.T. Sutton. (2017). An examination of the parasites and trophic ecology of mesopelagic fishes. American Fisheries Society Annual Meeting. Tampa, FL.
1. **Woodstock, M.S.**, C.A. Blonar, T.T. Sutton (2017). An examination of the parasites and trophic ecology of mesopelagic fishes. American Society of Ichthyologists and Herpetologists Annual Meeting. Austin, TX.

Poster Presentations (“*” denotes Advised and co-advised students)

21. **Woodstock, M.S.**, G.L. Britten. (2024). An individual-based model for an energetic cost-benefit analysis of diel vertical migration. CLIVAR Pathways Connecting Climate Changes to the Deep Ocean Workshop. Lewes, DE.
20. **Woodstock, M.S.**, J.J. Kiszka, M. Rafael Ramirez-Leon, T.T. Sutton, K. Fennel, B. Wang, Y. Zhang. (2024). Cetacean-mediated vertical nitrogen transport in the oceanic Gulf of Mexico. Gulf of Mexico Conference. Tampa, FL.
19. **Woodstock, M.S.**, G.L. Britten. (2023). A novel, individual-based ecosystem model for fine-scale food-web processes. WHOI Ocean Twilight Zone Symposium. Woods Hole, MA.
18. Sulyman, M.*, A.T. Bevans*, **M.S. Woodstock**, S. Knoche, T.F. Ihde. Modeling changes to foundational habitats in the Piankatank River, Chesapeake Bay. Atlantic Estuarine Research Society. Gloucester Point, VA.
17. Bevans, A.T.*, M. Sulyman*, **M.S. Woodstock**, S. Knoche, T. Ihde. (2023). Modeling the effects of habitat changes in the York River ecosystem, Chesapeake Bay. Shepardstown, WV.
16. Hoyt, E.E. *, **M.S. Woodstock**, P. Piavis, D. Sanderson-Kilchenstein, T. Ihde. (2023). An exploration of natural mortality and maximum age for Chesapeake Bay fishes. American Fisheries Society National Meeting. Grand Rapids, MI.
15. Bevans, A.T.*, M. Sulyman*, **M.S. Woodstock**, S. Knoche, T. Ihde. (2023). Improving Our Understanding of Habitat Changes in the Chesapeake Bay with a York River Ecosystem Model. York River Science Symposium. Gloucester, VA.
14. Sulyman, M.*, A.T. Bevans*, **M.S. Woodstock**, S. Knoche, T. Ihde. (2023). Virginia’s Middle Peninsula Habitat Focus Area: The Economic Impacts of Resource Restoration and Habitat Change. Morgan State University Spring Into Research Graduate Symposium. Baltimore, MD.
13. Hoyt, E.E. *, **M.S. Woodstock**, T.F. Ihde. (2023). An exploration of age and growth estimates for fishes in the Chesapeake Bay. American Fisheries Society Tidewater Chapter Meeting. Solomon’s Island, MD.
12. Bevans, A.T.*, M. Sulyman*, **M.S. Woodstock**, S. Knoche, T.F. Ihde. Improving our understanding of habitat changes in the Chesapeake Bay with a York River ecosystem model. American Fisheries Society Tidewater Chapter Meeting. Solomon’s Island, MD.
11. Hoyt, E.E. *, **M.S. Woodstock**, T.F. Ihde. (2022). A case for tributary-specific age/growth estimates for fishes in the Chesapeake Bay. Southern Maryland Marine Science Symposium. St. Mary’s, MD.
10. Bevans, A.T. *, Sulyman, M. *, **M.S. Woodstock**, S. Knoche, T.F. Ihde. (2022). Virginia’s Middle Peninsula Habitat Focus Area: the Economic Impacts of Resource Restoration and Habitat Change. Southern Maryland Marine Science Symposium. St. Mary’s, MD.
9. Hoyt, E.E. *, **M.S. Woodstock**, T.F. Ihde. (2022). A case for tributary-specific age/growth estimates for fishes in the Chesapeake Bay. Chesapeake Watershed Forum. Shepardstown, WV.
8. Sulyman, M. *, A.T. Bevans*, **M.S. Woodstock**, S. Knoche, T.F. Ihde. (2022). Virginia’s Middle Peninsula Habitat Focus Area: the Economic Impacts of Resource Restoration and Habitat Change. Chesapeake Watershed Forum. Shepardstown, WV.
7. **Woodstock, M.S.**, J.J. Kizka, P.G.H. Evans, J.J. Waggitt, Y. Zhang. (2022). Debunking misconceptions: rising marine mammal abundances have little impact on fisheries in the southern North Sea. 24th Biennial Conference on the Biology of Marine Mammals. Palm Beach, FL.
6. Sutton, T.T., A.B. Cook, K.M. Boswell, H.D. Bracken-Grissom, R. Eytan, D. Fenolio, T. Frank, D. Hahn, M.W. Johnston, H. Judkins, R.J. Milligan, J. Moore, J. Quinlan, T. Richards, I.C. Romero, M. Shivji, A. Bernard, M. Vecchione, **M.S. Woodstock**, Y. Zhang. (2022). Sustained observation of the deep-pelagic Gulf of Mexico: the DEEPEND|RESTORE program. ASLO Ocean Sciences Meeting. Online Presentation.
5. **Woodstock, M.S.**, T.T. Sutton, T. Frank, Y. Zhang. (2021). Ecosystem modeling in the oceanic zone: A Gulf of Mexico case study. 16th Deep Sea Biology Symposium. Brest, France.

4. **Woodstock, M.S.**, B. Wang, K. Fennel, T.T. Sutton, Y. Zhang (2020). A comparison of two ecosystem models of the oceanic Gulf of Mexico. Ocean Sciences Meeting. San Diego, CA.
3. **Woodstock, M.S.**, C.A. Blonar, T.T. Sutton. (2018). On parasitism in mesopelagic fishes as a function of trophic ecology and vertical distribution. Deep Sea Biological Society Meeting. Monterey Bay, CA.
2. **Woodstock, M.S.**, T.T. Sutton, C.A. Blonar. (2018). Trophic ecology and parasitism of a deep-pelagic fish assemblage. American Society of Parasitologists Annual Meeting. Cancun, Mexico.
1. **Woodstock, M.S.**, C.A. Blonar, T.T. Sutton. (2017). Variations in the parasite fauna and gut contents of vertically migrating and non-migrating mesopelagic fishes of the northern Gulf of Mexico. Gulf of Mexico Oil Spill and Ecosystem Science Conference. New Orleans, LA

Invited Talks and Guest Lectures

- 2023 **Chesapeake Bay Fisheries Goal Implementation Team Bi-annual Meeting**, Annapolis, MD
Title: The economic impacts of living habitat changes in the Virginia Middle Peninsula.
- Biodiversity, Ecology, and Biological Carbon Pump in the Twilight Zone**. Woods Hole, MA
Title: Food-web modeling in the mesopelagic zone: Lessons learned in the Gulf of Mexico
- Morgan State University Summer Internship Program**. Saint Leonard, MD.
Title: Ecological modeling: discovering the world through computers.
- 2022 **Nova Southeastern University Undergraduate Marine Ecosystems Course**, Dania Beach, FL
Title: Parasites in the deep ocean
- 2020 **University of South Carolina Undergraduate Oceanography Course**, Remote.
Title: Life aboard an oceanographic research vessel

Awards and Funding (Cumulative: \$164,850)

- 2024 OCB-CLIVAR Pathways Conference Early Career Travel Award (\$500)
- 2023 Woods Hole Oceanographic Institution Postdoctoral Scholarship (\$125,000)
 Ocean Twilight Zone-Jetzon Symposium Early Career Travel Award (\$500)
- 2022 FIU Provost Employer Supported Tuition Fellowship (\$3,000)
- 2021 FIU Coastlines and Oceans Division Travel Award (\$500)
 FIU Biosymposium 2nd Best Oral Presentation (\$50)
- 2020 AFS Florida Chapter Student Subunit Travel Award (\$100)
- 2019 FIU College of Arts and Sciences Travel Award (\$300)
 FIU Professional Development Grant (\$300)
 Limnology and Oceanography Research Exchange (LOREX) Scholar (\$4,000)
- 2018 NSU Halmos College of Natural Sciences and Oceanography Student of the Year
- 2017 NSU Professional Development Grant (\$600)
- 2016 NSU Oceanographic Center Fishing Tournament Scholarship (\$30,000)
- 2015 Academic All-Midwest Conference Baseball Team
 BC Dean's List
- 2014 BC Dean's List

Funded Collaborations (Awarded Only)

T.T. Sutton. "Deep-Sea Benefits - Outcomes of Mesophotic and Deep Benthic Community Restoration" (Awarded November 2023) *Deepwater Horizon* Trustee Council - \$5.4M. (**Woodstock** as a named project partner).

Proposed Funding Not Awarded (Proposal Lead Only; Cumulative: \$938,897)

- 2023 **NOAA-Saltonstall Kennedy Grant**
 "Identifying Stakeholder-Preferred, Jurisdiction-Specific Harvest Strategies for Invasive Blue Catfish in Chesapeake Bay Tributaries"
Role: Co-Principal Investigator/Postdoctoral Researcher

Amount: \$299,997

NSF Ocean Sciences Postdoctoral Fellowship

“Investigating the Impacts of Climate Change on Three Ecologically Distinct Ecosystems”

Role: Principal Investigator/Postdoctoral Researcher

Amount: \$225,000

2021 **NOAA-Seagrant Population and Ecosystem Dynamics Fellowship**

“Ecosystem modeling in the oceanic Gulf of Mexico”

Role: Principal Investigator/Graduate Student

Amount: \$160,000

NOAA-Knauss Marine Policy Fellowship

Role: Prospective Fellow

Amount: \$93,900

2020 **NOAA-Seagrant Population and Ecosystem Dynamics Fellowship**

“Population dynamic modeling in the oceanic Gulf of Mexico with an ecosystem model”

Role: Principal Investigator/Graduate Student

Amount: \$160,000

Traditional Teaching Experience

General Biology II Lab: Ecology, Systematics, and Evolution – Florida International University 2022

Taught 2 sections of 7 lab-style and 5 field-style courses about 1) ecosystem science, 2) the classification and diversity of bacteria, archaea, and eukaryotes, and 3) field sampling designs. Taught lessons in R statistical analysis software. Led an on-water field sampling excursion. Mentored 8 student-led field experiments with data analysis and presentation components. Developed weekly quizzes and hands-on exams.

Human Biology Lab – Florida International University 2020

Taught 12 online (at home) lab exercises for a class of ~200 students focused on the each system of the human body.

General Biology I Lab: General Biological Processes – Florida International University 2018

Taught 2 sections of 12 lab-style courses about 1) biochemical processes, 2) mitosis/meiosis, and 3) population genetics, among others. Assigned and provided feedback on two laboratory reports throughout the semester. Developed weekly quizzes and hands-on exams.

Graduate Ichthyology – Nova Southeastern University 2017

Assisted for 12 interactive lab exercises focused on the diversity and systematics of fishes. Curated the NSU fish collection, which included taking record of available specimens (~300 species) and replacing chemicals when necessary.

Leadership Experience and Community Service (* = Ongoing)

2025 Deep-Sea Biology Society Meeting Session Organizer (accepted)

2023 JETZON Biological Carbon Pump Working Group Member*

JETZON Early Career Researcher Working Group Member*

American Fisheries Society National Meeting Session Organizer

2021 Deep-Ocean Stewardship Initiative (DOSI) Open-Access Task Force

FIU Graduate Student Mentor

FIU Biosymposium Organizing Committee

American Fisheries Society (AFS) Hutton Scholarship Application Committee*

2020 DOSI Fisheries Working Group Member*

FIU Biology Graduate Student Committee Officer

American Fisheries Society Florida Student Subunit Chapter Officer

BC Alumni Mentoring Network

2019 FIU Marine Science Seminar Series Organizing Committee

2016 NSU Graduate Student Mentor
2012 Alpha Zeta Chapter of Sigma Chi
BC Varsity Baseball Team

Formal Mentorship and Advising

Muhammad Sulyman (Present)

Role: Ph.D. Committee Member

Thesis Title: The Ecological and Regional Economic Impacts of Oyster Restoration and Eelgrass Die-off in the Piankatank River, Virginia

Amanda Bevans (Present)

Role: Ph.D. Committee Member

Thesis Title: The Effects of Habitat Change on the Ecological Impacts of Oyster Restoration and Climate Change in the Chesapeake Bay

Service as a Reviewer

Deep-Sea Research

Ecological Modelling (x3)

Estuaries and Coasts

Functional Ecology

ICES Journal of Marine Science

Journal of Fish Biology

Journal of Plankton Research

Journal of Zoology

Ocean Sustainability

Cruise Experience

R/V *Point Sur*, **Gulf of Mexico**, 2017, 2021

R/V *Weatherbird*, **Florida Straits**, 2019

Professional Societies (Past and Present)

Association for the Sciences of Limnology and Oceanography (ASLO)

American Fisheries Society (AFS)

American Institute for Fisheries and Research Biologists (AIFRB)

American Society of Ichthyologists and Herpetologists (ASIH)

Deep Sea Biological Society (DSBS)

Society for Marine Mammalogy (SMM)