

STEVEN B. SCYPHERS

Associate Professor
Stokes School of Marine and Environmental Sciences &
Department of Sociology, Anthropology, and Social Work
University of South Alabama
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Research Interests: My lab's research applies social-ecological systems approaches to better understand and address major challenges facing coastal communities and ecosystems. Our current work focuses on fisheries management, coastal development, habitat restoration, disaster resilience, climate adaptation, and social equity.

Academic Appointments

2024-Present Chief Sustainability Officer, University of South Alabama
2022-Present Associate Professor, Stokes School of Marine and Environmental Sciences & Associate Professor of Sociology, Department of Sociology, Anthropology, and Social Work (Joint Appointment since 2/23), University of South Alabama
2022-Present Senior Marine Scientist II, Dauphin Island Sea Lab
2022 Associate Professor (Tenured), Marine & Environmental Sciences, Northeastern University
2016-2022 Assistant Professor, Marine & Environmental Sciences, Northeastern University
2017-2022 Core Faculty, Social Science Environmental Health Research Institute (SSEHRI), Northeastern University (Affiliated 2017-20, Core 2021-Present)
2017-2022 Assistant Professor (Affiliated), Sociology & Anthropology, Northeastern University
2019-Present Core Faculty, Coastal Sustainability Institute, Northeastern University
2017-Present Affiliated Faculty, Global Resilience Institute, Northeastern University
2015-2016 Associate Research Scientist, Northeastern University, Marine Science Center
2012-2015 NSF SEES Fellow, Postdoctoral Research Associate, Northeastern University,

EDUCATION & EMPLOYMENT HISTORY

Education

2012-2015 **Postdoc**, NSF Science, Engineering, and Education for Sustainability "SEES" Fellowship, Northeastern University, Marine Science Center, Nahant, MA
Advisors: JH Grabowski (NU), MW Beck (Partner Mentor at The Nature Conservancy)

2012 **Ph.D.** Marine Sciences, University of South Alabama & Dauphin Island Sea Lab, Dauphin Island, AL
Primary Advisors: SP Powers (Marine Sciences), JS Picou (Sociology)
Areas of Specialization: Coastal Ecology, Environmental Sociology
Dissertation: "Restoring Oyster Reefs along Eroding Shorelines: An Ecological and Socioeconomic Assessment"

2007 **B.S.** Marine Biology, Auburn University, Auburn, AL

Major Scientific Advisory Appointments

2024-Present	National Academies of Sciences, Engineering, and Medicine (NASEM) Ad-hoc Committee on: “Phase 2: Assessing the Distribution of Permits and Quotas in Fisheries Management”
2023-2024	National Academies of Sciences, Engineering, and Medicine (NASEM) Ad-hoc Committee on “Examining Equity in the Distribution of Fisheries Management Benefits: Data and Information Availability”
2023-Present	National Academies of Sciences, Engineering, and Medicine (NASEM) Standing Committee on “Offshore Wind Energy and Fisheries”
2015-Present	Gulf of Mexico Fishery Management Council, Standing Scientific & Statistical Committee (SSC). Reappointed to 4 th 3-year Term in 2024
2021-Present	Gulf of Mexico Fishery Management Council, Ecosystem Technical Committee
2020-2021	National Academies of Sciences, Engineering, and Medicine (NASEM) Ad-hoc Committee on “Data and Management Strategies for Recreational Fisheries with Annual Catch Limits”

Honors & Awards (Selected)

2024	Mortar Board Honor Society “Top Prof”
2023-2024	Leadership Fellow, University of South Alabama
2013	American Fisheries Society Best Paper in Marine & Coastal Fisheries

RESEARCH, SCHOLARSHIP, & CREATIVE ACTIVITY

Grants

Statement on Collaborative Grants: My research is supported by diverse federal, state, and non-profit organizations focused on funding environmental, conservation, and fisheries science. For this type of research, collaborative projects and grants are the norm and standard.

Summary Statistics (as of March 2024):

Total awards as PI or Co-PI:	36
Total funds as PI or Co-PI (including implementation projects):	>\$30.8M
Total funds to Northeastern University:	\$4,352,930
Estimated Funds w/ Scyphers as PI or Co-PI Portion:	\$3,997,732
Total funds to University of South Alabama (since 8/2022):	\$3,986,509
*Estimated Scyphers Funds at South Alabama (Since 8/2022):	\$2,273,516

*Due to the collaborative nature of many projects, estimating “Scyphers Funds” is challenging particularly with co-mentored or shared personnel. Estimated Scyphers funds shown above is conservative and only include funds directly managed by Scyphers and does not include subawards or salaries for other faculty and staff collaborators.

External – Pending (Selected)

Pending

(Co-PI). **NOAA Office of Coastal Zone Management.** Assessing socio-environmental conditions at public access points in coastal Alabama. PI: S Powers. Co-PI’s: S Scyphers, A Hotard, C Martin. \$1,488,000 total funds requested to USA.

(Co-PI). **NOAA RESTORE.** Characterizing, reducing, and managing shark depredation in the US Gulf of Mexico (GoM) reef fish fishery: bridging the knowledge-action gap through co-production. PI: M Drymon. Co-PI’s: S Scyphers, M Ajemian, D Wells, J Plumlee, A Collins. \$150,000 total subaward requested to USA.

External – Funded

- 2024-2026. **NAS Gulf Research Program 2024 Building the Next Generation of STEMM Leaders in the Field of Environmental Justice.** STEMM Scholars for Environmental Justice (SSEJ) Program. PI: A Williams. Co-PI: S Scyphers. \$942,928 total award to USA (Scyphers Funds: \$125,490)
- 2025-2028 (Co-PI). **NOAA Coastal Habitat Restoration and Resilience Grants for Tribes and Underserved Communities.** Leveraging past restoration and community engagement efforts for resilience. PI: J Haner (TNC). Co-PI's: J Lehrter (USA Lead), S Scyphers. \$417,875 total subaward funds to USA (Scyphers Funds: \$186,984)
- 2025-2027 (PI). **Southern States Energy Board (SSEB) & US Department of Energy.** Developing a Community Benefits Plan for the Southeast Direct Air Capture (SEDAC) Hub. Co-PI (USA Lead): S Scyphers. Co-PI's: A Williams, K Jackson, J Billingsley. \$169,905 total subaward funds to USA (Scyphers Funds: \$86,530).
- 2023-2025 (PI) **NOAA – Adaptation Science (AdSci).** “Collaborative Modeling the Benefits, Consequences, and Trade-offs of Mangroves and Seawalls for Coastal Communities”. PI: SB Scyphers. Co-PI's: S Gray, C Shepard, C Bergh, R Hughes, S Harlan. \$278,171 total funds to USA (Scyphers Funds: \$130,620).
- 2023-2025 (Co-PI, Sole PI on USA Subaward) **NOAA Sea Grant.** Examining social impacts in the American Lobster fishery. PI: JH Grabowski. Co-PI: SB Scyphers. Total award \$417,000. \$100,000 total funds to USA (Scyphers Funds: \$97,817).
- 2023-2027 (Co-PI, Lead PI on USA Subaward) **NOAA Habitat IIA.** Perdido Watershed Habitat and Community Resilience Initiative: Incorporating Nature Based and Hybrid Solutions Across Alabama and Florida. PI: J Haner (TNC). Co-PI's: SB Scyphers (USA Lead), R Baker, J Lehrter. \$12M total award to TNC. \$1.1M total funds to USA (Scyphers Funds: \$599,004).
- 2023 (PI) **NOAA Fisheries.** “Implementation of a Crew Survey”. PI: SB Scyphers. \$85,000 total funds to USA (Scyphers Funds: \$85,000).
- 2023 (PI) **The Nature Conservancy.** “Identifying Metrics for Integrating Social Equity in Coastal Restoration”. PI: S Scyphers. \$14,417 total funds to USA (Scyphers Funds: \$14,417).
- 2022-2027 (PI) **National Academies of Sciences Gulf Research Program.** “University of South Alabama Gulf Scholars Program.” PI: S Scyphers. Co-PI: S Powers. \$450,817 total funds to USA. \$75,000 Supplement Awarded in 2024 (Scyphers Funds: \$525,817).
- 2022-2023 (Co-PI) **National Academies of Sciences Gulf Research Program.** “Engaging a coastal community to collaboratively design nature-based solutions for climate resilience in Coastal Alabama.” PI: J. Haner. Co-PI: SB Scyphers, E Sparks. \$100,000 total funds awarded. \$32,230 total funds to Scyphers at USA (Scyphers Funds: \$32,230).
- 2022-2025 (Co-PI, Sole PI on USA Subaward). **Lenfest Ocean Program.** “Integrating the Functional Importance of Biodiversity in Management of US Marine Ecosystems.” PI: E Duffy, Co-PI's: S Scyphers, G Canonico. \$615,633 total funds awarded, \$85,361 to USA (Scyphers Funds: \$85,361).
- 2022 (PI) **The Nature Conservancy.** Mangrove Engagement, Restoration and Management (MERM) in the SE Atlantic and Gulf of Mexico Coasts. PI: Scyphers: \$14,987 total funds to USA (Scyphers Funds: \$14,987).

- 2021-2025 (Co-PI, Sole PI on NU Subaward) **NOAA Sea Grant - Reef Fish Extension Program.** “Extending our Reach: a Multi-State Collaborative Approach to Reef Fisheries Extension” PI: JM Drymon, Co-PI’s: SB Scyphers & 17 others. \$1,600,000 total funds awarded. \$182,942 total funds to NU. \$151,492 transferred to USA (Scyphers Funds: \$151,492).
- 2021-2023 (Co-PI, Sole PI on NU Subaward) **Sea Grant - Greater Amberjack Research in U.S. Waters in the South Atlantic and Gulf of Mexico Regions.** “Greater Amberjack (*Seriola dumerili*) Abundance, Distribution, and Movement in U.S. Waters in the South Atlantic and Gulf of Mexico” PI: SP Powers, Co-PI’s: SB Scyphers & 17 others. \$9,000,000 total funds awarded. \$76,036 funds to NU. \$32,104 funds transferred from NU back to USA for Scyphers (Scyphers Funds: \$76,036).
- 2021-2023 (Co-PI , Lead PI on NU subaward) **National Fish and Wildlife Foundation – Coastal Resilience Grants.** “Building Capacity and Partnerships to Plan and Implement Coastal Resilience in the Florida Panhandle”. PI: C Shepard. Co-PI’s: SB Scyphers (Lead on Subaward), AR Hughes, T Tomiczek. \$206,752 total funds awarded. \$59,830 total funds to NU.
- 2021-2022 (Co-PI , Sole PI on NU subaward) **NOAA – RESTORE Program.** “Quantifying cryptic mortality of Gulf of Mexico red snapper: evaluating the nature and extent of depredation.” PI: JM Drymon, Co-PI’s: D Goethel, SB Scyphers, M Karnauskas. \$125,000 total funds awarded; \$41,759.68 total funds to NU.
- 2021-2023 (Co-PI) **NOAA Sea Grant – American Lobster Research Program.** “Investigating the Ecological Impacts of Range-expanding species to the American Lobster Fishery Using Collaborative Surveys, Fisher Observations, and Predator-Prey Experiments.” PI: JH Grabowski, Co-PI’s: SB Scyphers, L McClenachan, M McMahan. \$279,644 total funds award to NU. Estimated Scyphers Portion (33%): \$92,328.
- 2021-2022 (Co-PI) **North Pacific Research Board.** “Evaluation of fishery-specific adaptive capacity to industry-perceived risks”. PI’s: R Murphy, Jr., J Grabowski. Co-PI’s: B Harris, SB Scyphers. \$288,376 total funds awarded. \$156,416 total funds to NU. Estimated Scyphers Portion (50%): \$78,208.
- 2021 (Co-PI) **National Science Foundation – Convergence Accelerator.** “Coastal Sustainability: Clean, Safe, Smart, and Equitable Communities.” PI: G Trussell. Co-PI’s: SB Scyphers, AR Hughes, J Bowen, J Coley. \$99,316 total funds to NU. Estimated Scyphers Portion (25%): \$24,829.
- 2020-2023 (Co-PI) **National Academies of Sciences – Gulf Research Program.** “Ecological and Social Drivers of Mangrove Expansion and Restoration in the Future Gulf of Mexico”. PI: AR Hughes, Co-PI’s: SB Scyphers, C Shepard, M Osland. \$697,869 total funds to NU. Estimated Scyphers Portion (33%): \$232,623.
- 2020-2021 (PI) **The Nature Conservancy.** “Conserving Oceans And Societies Through Sustainability Science (COASTSS) Internship Program.” PI: SB Scyphers. \$30,867 total funds to NU.
- 2019-2021 (PI) **The Nature Conservancy.** “Northeastern University’s Coastal Sustainability Institute and The Nature Conservancy Joint Coastal Sustainability Postdoctoral Fellows Program”. PI: SB Scyphers. Co-PI: G Trussell. \$92,906 total funds to NU.
- 2019-2021 (Co-PI) **NOAA Sea Grant.** “Addressing constraints to shellfish aquaculture through quantifying public perceptions and attitudes along the Atlantic coast of the U.S.” PI: JH Grabowski, Co-PI’s: SB Scyphers, AR Hughes, D Kimbro. \$248,526 total funds to NU. Estimated Scyphers Portion (33%): \$82,842.

- 2019-2021 (PI) **The Nature Conservancy & Walton Family Foundation**. “Measuring and Mapping the Effects of Natural Infrastructure on Damages associated with Hurricane Michael in the Florida Panhandle”. PI: SB Scyphers, Co-PI: T Tomiczek. \$70,173 total funds to NU.
- 2019-2020 (Co-PI, Sole PI on NU subaward) **NOAA Fisheries & MS-AL Sea Grant**. “Estimating the Absolute Abundance of Red Snapper in the U.S. Gulf of Mexico – Human Dimensions”. Note: “Human Dimensions” project was funded as a supplement within initial \$9.5M award to 12 institutions (PI: G Stunz with 21 Co-PI’s). \$49,418 total funds to NU.
- 2019-2020 (Co-PI) **The Nature Conservancy**. “Addressing Constraints to Shellfish Aquaculture Through Quantifying Ecosystem Services and Public Perceptions in the Northeast”. PI: JH Grabowski, Co-PI’s: SB Scyphers, AR Hughes, D Kimbro. \$84,090 total funds to NU. Estimated Scyphers Portion (33%): \$28,030.
- 2018-2020 (Co-PI) **NOAA Saltonstall-Kennedy Program**. “The northern range expansion of Black Sea Bass: Understanding population dynamics and socioeconomic impacts of a rapid distribution shift”. PI: JH Grabowski, Co-PI’s: SB Scyphers, K Lotterhos. \$270,581 total funds to NU. Estimated Scyphers Portion (33%): \$89,292.
- 2017-2019 (Co-PI) **NOAA Saltonstall-Kennedy Program**. “Engaging commercial, recreational, and subsistence fishers to improve management of striped bass (*Morone saxatilis*) fisheries in New England”. PI: JH Grabowski, Co-PI: SB Scyphers, SA Gray. \$240,859 total funds to NU. Estimated Scyphers Portion (33%): \$79,483.
- 2016-2019 (Co-PI, Sole PI on NU subaward) **National Academies of Sciences - Gulf Research Program**. “Collaborative modeling with fuzzy cognitive maps: a novel approach to achieving safety culture”. \$407,000 total funds awarded, PI: A Jetter, Co-PI’s: SB Scyphers, SA Gray. \$76,529 total funds to NU.
- 2015-2019 (PI) **NOAA Climate Program Office**: Understanding Climate Impacts on Fisheries. “Predicting social impacts of climate change on fisheries.” PI: SB Scyphers. Co-PI’s: SA Gray, L McClenachan, JH Grabowski, P Schofield, L Akins. \$298,950 total funds to NU.
- 2017-2018 (Co-PI) **Massachusetts Division of Coastal Zone Management - Coastal Resilience Grants Program**. “Enhancement and Stabilization of Natural Cobble Shoreline at Canoe Beach, Northeastern University Marine Science Center, Nahant, MA”. PI: G Trussell (PI), Co-PI’s: SB Scyphers, JH Grabowski, AR Hughes. \$202,952 total funds to NU. Estimated Scyphers Portion (33%): \$66,974.
- 2014-2018 (Co-PI) **NOAA Saltonstall-Kennedy Program**. “Assessing social impacts in groundfish fishing communities”. PI: JH Grabowski, Co-PI’s” SB Scyphers, JS Picou. \$247,746 total funds to NU. Estimated Scyphers Portion (67%): \$165,990.
- 2016-2017 (Co-PI, Sole PI on NU subaward) **U.S. Army Corps of Engineers**. “Evaluating the Capacity of Natural and Nature-Based Features (NNBF) to Reduce Coastal Storm Hazards”. PI: B Webb, Co-PI’s: SB Scyphers, J Cebrian. \$35,000 total funds awarded, \$13,000 total funds to NU.
- 2015-2017 (Co-PI, Sole PI on NU subaward) **National Academies of Sciences - Gulf Research Program** (Co-PI, Lead on NU subaward): Synthesis Grants. “Living Shorelines: Synthesizing the Results of a Decade of Implementation in Coastal Alabama”. PI: K Heck, Co-PI’s: SB Scyphers, D Byron, J Haner, JH Grabowski, M Ruth. \$469,374 total funds awarded, \$149,700 total funds to NU.
- 2014-2017 (Co-PI) **Sea Grant Northeast College Consortium**: Human Dimensions of Coastal and Marine Ecosystems. “Social and ecological factors influencing shoreline hardening in the

Northeast: Implications for vulnerability, resilience, and informed decision making”. PI: JH Grabowski, Co-PI’s: SB Scyphers, M Ruth, MW Beck. \$177,000 total award to NU.

2012-2016 (PI) **National Science Foundation** – SEES Fellows. “Social-Ecological Resilience of Coastal Shoreline Ecosystems: Developing a Framework for Informed Decision-Making”. PI: SB Scyphers. \$503,446 total award to NU.

2010-2012 (Co-PI) **Gulf of Mexico Research Institute**. “Investigating the fisheries impacts of the Deepwater Horizon Disaster through socioeconomic surveys”. Co-PI’s: SB Scyphers, SP Powers. \$14,375 total funds awarded. Scyphers Portion (100%): \$14,375.

Internal - Funded

2017-2019 Northeastern University - Global Resilience Institute. Measuring Resilience for Coastal Adaptation. Co-PI’s: L Kuhl, SB Scyphers. \$49,900 total funds awarded.

Publications

Statement on Authorship: My research is typically published in interdisciplinary environmental, conservation, and fisheries science journals. Across these domains, multiple author papers are the norm and standard. The intellectual lead of each paper is typically the First Author. Direct advisees are noted as follows: #Postdoctoral advisee; †Graduate student advisee; ††Undergraduate advisee. All Scyphers Lab members are noted in Bold.

Summary Statistics (as of August 1, 2024):

Total Peer-Reviewed Products = 79 (2 NAS Consensus Reports, 67 journal articles, 5 book chapters, 2 proceedings, 3 other)

Google Scholar: h-index = 26, total times cited = 2412, i10-index: 45

Web of Science: h-index = 21, total times cited = 1393

Peer-Reviewed Products (N = 79)

National Academies of Sciences (NAS) Consensus Reports (n=2)

79. **National Academies of Sciences, Engineering, and Medicine (NASEM)**. (2024) *Assessing Equity in the Distribution of Fisheries Benefits*. Washington, DC: The National Academies Press. <https://nap.nationalacademies.org/catalog/27313/assessing-equity-in-the-distribution-of-fisheries-management-benefits-data>

78. **National Academies of Sciences, Engineering, and Medicine (NASEM)**. (2021) *Data and Management Strategies for Recreational Fisheries with Annual Catch Limits*. Washington, DC: The National Academies Press. <https://doi.org/10.17226/26185>. ISBN: 0309671574, 9780309671576. 222 pages.

Journal Articles (n=69 published / in press; 2 in review / revision)

Scyphers SB, P Aminpour, **K Castagno**[#], **E Conley**^{††}, **K Furman**[†], JH Grabowski, J Helgeson, L McClenachan, SA Gray. (In Review) Crowdsourcing mental models to predict stakeholder responses to climate change in fisheries social-ecological systems.

Grabowski JH, RK Gittman, K Arkema, C Baillie, R Bennett, J Benoit, S Blicht, J Brun, A Chatwin, A Colden, A Dausman, T Davenport, J Henkel, R Houge, R Howard, AR Hughes, **SB Scyphers**, T Shostik, A Sutton-Grier, B Deangelis. (In Review) Wealth and population density predict federal investment in U.S. coastal habitat restoration. *BioScience*.

77. Alemu I, JB, AR Hughes, MJ Osland, **SH Swinea**, KA Thorne, R Bardou, CC Shepard, **SB Scyphers**. (In Press) A social-ecological appraisal of waterfront property owner adaptation preferences related to coastal resilience in mangrove-to-salt marsh transition areas. *People and Nature*.
76. **Swinea S[†]**, AR Hughes, MJ Osland, CC Shepard, KB Thorne, JB Alemu I, Rémi Bardou, **SB Scyphers**. (2025). Marshes To Mangroves: Resident Attitudes And Perceptions Indicate Perceived Trade-Offs In Ecosystem Services. *Landscape and Urban Planning*.
75. Moorman, T.G., D. Morris, **S.B. Scyphers**, R.D. Williamson, and K.H. Dunning. (2025) Recreational angler and stakeholder perceptions of policy changes to recreational fishery management: the case of red snapper devolution in the Gulf of Mexico. *Ecology and Society* 30(1):2. URL: <https://www.ecologyandsociety.org/vol30/iss1/art2>
74. Cheng H, M McMahan, **SB Scyphers**, JH Grabowski. (2025) Observations, Perceptions and Concerns of the American Lobster Industry regarding the Range-Expansion of Black Sea Bass. 173, 106517.
73. Barry S, Reynolds LK, AE Braswell, RK Gittman, **SB Scyphers**, AR Smyth. (2024) Discounting nature: Perceived effectiveness drives suboptimal shoreline decision-making for Florida's waterfront property owners. *Ocean and Coastal Management*.
72. Bardou R, MJ Osland, JB Alemu I, LC Feher, D Harlan, **SB Scyphers**, C Shepard, SH Swinea, K Thorne, AR Hughes. (2024) Projected changes in mangrove distribution and vegetation structure under climate change in the southeastern United States. *Journal of Biogeography*
71. Drymon JM, AE Jargowsky, EG Prasky, EV Camp, A Oliphant, SP Powers, **SB Scyphers**. (In Press) Depredation: an old conflict with the sea. *Fish and Fisheries* 2024;25:806–810. DOI: 10.1111/faf.12846
70. **Frapaise L^{††}**, **K Furman[†]**, **SB Scyphers**, L Kuhl. (2024) Mental models for inclusive, socially-just disaster planning: A multi-community study in Saint Martin after Hurricane Irma. *Disasters* e12627.
69. Schultz K, **SB Scyphers**, AR Hughes, DL Kimbro, S Kirk, JH Grabowski. (2024) Addressing constraints to shellfish aquaculture through quantifying public perceptions and attitudes along the Atlantic coast of the US. *Ocean and Coastal Management* 253, 107130.
68. **O'Donnell. KL[†]**, T. Tomiczek, A Higgins, S Munoz, **SB Scyphers**. (2024) Stakeholder Driven Sensor Deployments to Characterize Nuisance Flood Inundation and Duration in Key West Florida. *Earth's Future* 12(7), e2023EF003631 <https://doi.org/10.1029/2023EF003631>
67. **Prasky E[†]**, JM Drymon, M Karnauskas, A Anderson, **S Gibbs[†]**, J Grabowski, A Jargowsky, D McAree, A Osowski, **S Swinea[†]**, **SB Scyphers**. (2023) Depredation Influences Anglers' Perceptions on Shark Management and Conservation in the United States Gulf of Mexico. *Frontiers in Conservation Science* 4:1271223. doi: 10.3389/fcosc.2023.1271223
66. Banks K, MK Streich, JM Drymon, **SB Scyphers**, JA Mohan, RJD Wells, AL Binstock, TM Richards, CF White, NM Whitney, GW Stunz. (2023) Talk is cheap: Direct evidence of conservation-based changes in angler behavior. *Conservation Science and Practice*. 5(9):e13001
65. Bardou, R, MJ Osland, **SB, Scyphers**, C Shepard, KE Aerni, JB Alemu I, R Crimian, RH Day, NM Enwright, LC Feher, **SL Gibbs[†]**, **K O'Donnell[†]**, **SH Swinea[†]**, K Thorne, S Truskey, AR Armitage, R Baker, JL Breithaupt, KC Cavanaugh, J Cebrian, K Cummins, DJ Devlin, J Doty, WL Ellis, IC Feller, CA Gabler, Y Kang, DA Kaplan, JP Kennedy, KW Krauss, MM Lamont, K Liu, M Martinez, AM Matheny, GM McClenachan, KL McKee, IA Mendelssohn, TC Michot, CJ Miller, JA Moon, RP Moyer, J Nelson, R O'Connor, JW Pahl, JL Pitchford, CE Proffitt, T Quirk,

- KR Radabaugh, WA Scheffel, DL Smee, CM Snyder, E Sparks, KM. Swanson, WC Vervaeke, CA Weaver, J Willis, ES Yando, Q Yao, AR Hughes. (2023) Rapidly changing range limits in a warming world: critical data limitations and knowledge gaps for advancing understanding of mangrove range dynamics in the southeastern United States. *Estuaries and Coasts* 46, 1123–1140 (2023). <https://doi.org/10.1007/s12237-023-01209-7>
64. Mitchell, J.D., J. M. Drymon, J. Vardon, P. G. Coulson, C. A. Simpfendorfer, **S. B. Scyphers**, S. M. Kajiura, **E Prasky**[†], et al. (2023) "Shark depredation: future directions in research and management." *Reviews in Fish Biology and Fisheries*. <https://doi.org/10.1007/s11160-022-09732-9>.
 63. **Furman K**[†], S Harlan, L Barbieri, **SB Scyphers**. (2023) Social equity in shore-based fisheries: Identifying and understanding barriers to access. *Marine Policy*, 148, art. 105355. <https://doi.org/10.1016/j.marpol.2022.105355>.
 62. **Varade, ML**[†], Choi, F., Helmuth, B. and **Scyphers, SB**, (2023) Catching versus Counting: Comparing the Pro-Environmental Attitudes, Behaviors, and Climate Concerns of Recreational Fishers and Citizen Scientists. *Sustainability*, 15(1), p.307. <https://doi.org/10.3390/su15010307>.
 61. Marchessaux, G., Mangano, M. C., Bizzarri, S., M'Rabet, C., Principato, E., Lago, N., Veyssiere, D., Garrido, M., **Scyphers, SB** & Sarà, G. (2023) Invasive blue crabs and small-scale fisheries in the Mediterranean sea: Local ecological knowledge, impacts and future management. *Marine Policy*, 148, 105461. <https://doi.org/10.1016/j.marpol.2022.105461>.
 60. Dean, M. J., Hoffman, W. S., Buchan, N. C., **Scyphers, S. B.**, & Grabowski, J. H. (2023) Lost in translation: understanding divergent perspectives on a depleted fish stock. *Canadian Journal of Fisheries and Aquatic Sciences*. 80(3): 593-613. <https://doi.org/10.1139/cjfas-2022-0090>.
 59. Aminpour P, SA Gray, MW Beck, **KL Furman**[†], **I Tsakiri**[†], RK Gittman, JH Grabowski, J Helgeson, L Josephs[†], M Ruth, **SB Scyphers** (2022) Urbanized knowledge syndrome—erosion of diversity and systems thinking in urbanites' mental models. *npj Urban Sustainability*. 2(11):11. <https://doi.org/10.1038/s42949-022-00054-0>. Published 5/4/22.
 58. **O'Donnell**[†] **K**, T Tomiczek, SB Scyphers. (2022) Residential perceptions and performance outcomes of mangroves, beaches, and hardened shorelines after Hurricane Irma in the Lower Florida Keys. *Frontiers in Environmental Science* 10:734993. <https://doi.org/10.3389/fenvs.2022.734993>. Published 3/3/22.
 57. Tomiczek T, A Wargula, K O'Donnell[†], V LaVeck, K Castagno[#], SB Scyphers. 2022. Vessel-generated wake attenuation by *Rhizophora mangle* in Key West, FL. *Journal of Waterway, Port, Coastal, and Ocean Engineering* 148(3): 04022002. [https://doi.org/10.1061/\(ASCE\)WW.1943-5460.0000704](https://doi.org/10.1061/(ASCE)WW.1943-5460.0000704). Published 2/7/22.
 56. Correll-Brown R, EH Wellman, DO Eulie, **SB Scyphers**, CS Smith, MA Polk, RK Gittman. (2022) Shifting baselines may undermine shoreline management efforts in the United States. *Frontiers in Climate* 10:71909. <https://doi.org/10.3389/fclim.2022.719109>. Published 1/26/22.
 55. Osland M, A Hughes, A Armitage, **SB Scyphers**, J Cebrian, S Swinea, C Shepard, M Allen, L Feher, J Nelson, C O'Brien, C Sanspree, D Smee, C Snyder, A Stetter, P Stevens, K Swanson, L Williams, J Brush, J Marchionno. 2022. The impacts of mangrove range expansion on wetland ecosystem services in the southeastern United States: current understanding, knowledge gaps, and emerging research needs. *Global Change Biology* 28(10): 3163-3187. <https://doi.org/10.1111/gcb.16111>. Published 1/31/22.
 54. **Castagno**[#] **K**, N Ganju, M Beck, A Bowden, **SB Scyphers**. (2022) How Much Marsh Restoration is Enough to Deliver Coastal Protection Benefits? *Frontiers in Climate* 8:756670. <https://doi.org/10.3389/fmars.2021.756670>. Published 2/7/22.

53. Capizzano CW, EA Jones, **SB Scyphers**, DR Zemeckis, AJ Danylchuk, JW Mandelman. (2022) Understanding Recreational Angler Diversity and Its Potential Implications on Promoting Responsible Fishing Practices in a Multispecies Gulf of Maine Fishery. *Marine & Coastal Fisheries* 14:e10196. <https://doi.org/10.1002/mcf2.10196>. Published 2/26/22.
52. Murphy R, **SB Scyphers**, SA Gray, JH Grabowski. (2022) Diversity in motivations and behavioral response to regulations in the Striped Bass commercial fishery. *Fisheries*. 47(1), 10-17. <https://doi.org/10.1002/fsh.10678>. Published 10/25/21.
51. Coley J, N Betz, B Helmuth, K Ellenbogen, SB Scyphers, D Adams. (2021) Beliefs about Human-Nature Relationships and Implications for Investment and Stewardship surrounding Land-Water System Conservation. *Land* 10(12):1293. <https://doi.org/10.3390/land10121293>. Published 11/25/21.
50. **Castagno[#] K**, T Tomiczek, CC Shepard, MW Beck, AA Bowden, **K O'Donnell[†]**, **SB Scyphers**. (2021) Resistance, resilience, and recovery of salt marshes in the Florida Panhandle following Hurricane Michael. *Scientific Reports* 11:20381.
49. **Scyphers SB**, JM Drymon, **KL Furman[†]**, **E Conley**, **Y Niwa**, A Jefferson, GW Stunz. (2021) Understanding and enhancing angler satisfaction with fisheries management: insights from the "Great Red Snapper Count". *North American Journal of Fisheries Management* 41(3):559-569. ***Selected as Editor's Feature Paper.**
48. Gittman RK, **SB Scyphers**, CJ Baillie, A Brodmerkel, JH Grabowski, M Livernois, AK Poray, CS Smith, FJ Fodrie. (2021) Reversing a tyranny of cascading shoreline-protection decisions driving coastal habitat loss. *Conservation Science and Practice* 3(9), e490.
47. **Castagno[#] K**, A. Bowden, E. Roberts, S. Burns, S.L. Harlan, L. Senier, **SB Scyphers**. (2021) Conservation practice insights from a comparative case study of two shoreline stabilization projects in Boston Harbor, MA. *Conservation Science and Practice* 3(8), e465.
46. **Furman K[†]**, P Aminpour, SA Gray, **SB Scyphers**. (2021) Mental models for assessing social-ecological systems following disasters: a case study contextualizing natural and built shorelines after Hurricane Irma. *Marine Policy* 125:104334.
45. Aminpour P, SA Gray, A Singer, **SB Scyphers**, AJ Jetter, R Jordan, R Murphy, JH Grabowski. (2021) The diversity bonus in pooling local knowledge about complex problems. *Proceedings of the National Academies of Sciences* 118 (5):e2016887118.
44. Hughes AR, P Edwards, JH Grabowski, **SB Scyphers**, SL Williams. (2020) Differential incorporation of scientific advances affects coastal habitat restoration practice. *Conservation Science and Practice* 2 (12), e305.
43. **Scyphers SB**, MW Beck, **KL Furman**, J Haner, A Keeler, C Landry, **KL O'Donnell**, BM Webb, JH Grabowski. (2020) Designing effective incentives for living shorelines as a habitat conservation strategy along residential coasts. *Conservation Letters* 13(5), e12744.
42. Gray SA, P Aminpour, C Reza, **SB Scyphers**, J Grabowski, R Murphy Jr., A Singer, D Baltaxe, R Jordan, A Jetter, J Introne. (2020) Harnessing the Collective Intelligence of Stakeholders for Conservation. *Frontiers in Ecology and the Environment* 18 (8), 465-472.
41. DeAngelis B, A Sutton-Grier, A Colden, K Arkema, C Baillie, R Bennet, J Benoit, S Blitch, A Chatwin, A Dausman, R Gittman, H Greening, J Henkel, R Houge, R Howard, R Hughes, J Lowe, **SB Scyphers**, E Sherwood, S Westby, J Grabowski. (2020). Keys to Landscape-Scale Coastal Restoration: Lessons Learned from Three U.S. Case Studies. *Sustainability* 12(3):869.

40. Tomiczek T, **KL O'Donnell**[†], **K Furman**[†], B Webbmartin, **SB Scyphers**. (2020) Rapid Damage Assessments of Shorelines and Structures in the Florida Keys after Hurricane Irma. *Natural Hazards Review* 21(1), 05019006.
39. McClenachan L, **SB Scyphers**, JH Grabowski. (2020) Views from the dock: Warming waters, adaptation, and the future of Maine's lobster fishery. *Ambio* 49(1):144-155.
38. Kuhl L, **K Van Maanen**[†], **SB Scyphers**. (2020) A Global Analysis of Coastal Adaptation Projects: Assessing Patterns of Planning, Implementation, and Contributions to Adaptive Capacity. *World Development* 127(3):104748.
37. **Scyphers SB**, MW Beck, KL Furman^{††}, J Haner, L Josephs^{††}, R Lynskey^{††}, A Keeler, C Landry, S Powers, B Webb, J Grabowski. (2019) A Waterfront View of Coastal Hazards: Contextualizing Relationships among Geographic Exposure, Shoreline Type, and Hazard Concerns. *Sustainability* 11: 6687.
36. **Scyphers SB**, JS Picou, JH Grabowski. (2019) Chronic social disruption following a systemic fishery failure. *Proceedings of the National Academy of Sciences* 116(46): 22912–22914.
35. McClenachan L, M Marra, N Record, J Grabowski, B Neal, **SB Scyphers**. (2019) Shifting perceptions of rapid temperature changes' effects on marine fisheries, 1945-2017. *Fish and Fisheries* 20(6):1111-1123.
34. Murphy R, **SB Scyphers**, SA Gray, JH Grabowski. (2019) Angler attitudes explain disparate behavioral reactions to fishery regulations. *Fisheries* 44(10):475-487.
33. Gittman RK, CJ Baillie, KK Arkema, RO Bennett, J Benoit, S Blitch, J Brun, A Chatwin, A Colden, A Dausman, B DeAngelis, N Herold, J Henkel, R Houge, R Howard, AR Hughes, **SB Scyphers**, T Shostik, A Sutton-Grier, JH Grabowski. (2019) Voluntary restoration: mitigation's silent partner in the quest to reverse coastal wetland loss in the USA. *Frontiers in Marine Science*, section Marine Conservation and Sustainability. *Frontiers in Marine Science* 6, 511.
32. Smith C, **SB Scyphers**. (2019) Past hurricane damage and flood zone outweigh shoreline hardening for predicting residential-scale impacts of Hurricane Matthew. *Environmental Science and Policy* 101, 46-53.
31. Strain EMA, KA Alexander, S Kienker, R Morris, R Jarvis, R Coleman, B Bollard, LB Firth, AM Knights, JH Grabowski, L Airoidi, BKK Chan, SY Chee, Z Cheng, R Coutinho, RG de Menezes, M Ding, Y Dong, CML Fraser, AG Gomez, JA Juanes, P Mancuso, LVR Messano, LPD Naval-Xavier, **S Scyphers**, P Steinberg, S Swearer, PF Valdor, JXY Wong, J Yee, MJ Bishop (2019) Urban blue: A global analysis of the factors shaping people's perceptions of the marine environment and ecological engineering in harbours. *Science of The Total Environment* 658, 1293-1305.
30. Bowen, J. L., C. J. Baillie, J. H. Grabowski, A. R. Hughes, **SB Scyphers**, K. R. Gilbert, S. G. Gorney, J. Slevin, and K. A. Geigley. (2019) Boston Harbor, Boston, Massachusetts, USA: Transformation from 'the harbor of shame' to a vibrant coastal resource. *Regional Studies in Marine Science*. 100482.
29. Murphy R, JH Grabowski, **SB Scyphers**. (2018) Perceptions outweigh knowledge in predicting support for management strategies in the recreational Striped Bass (*Morone saxatilis*) fishery. *Marine Policy* 97:44-50.
28. Hughes AR, JH Grabowski, HM Leslie, **SB Scyphers**, SL Williams. (2018) Inclusion of biodiversity in habitat restoration policy to facilitate ecosystem recovery. *Conservation Letters* 11(3), e12419.

27. Sutton-Grier, R Gittman, K Arkema, R Bennett, J Benoit, S Blich, K Burks-Copes, A Colden, A Dausman, B DeAngelis, R Hughes, **SB Scyphers**, J Grabowski. (2018) Investing in Natural and Nature-Based Infrastructure: Building Better Along Our Coasts. *Sustainability* 10:523 doi: 10.3390/su10020523.
26. Gittman RK, **SB Scyphers**. (2017) The Cost of Coastal Protection: A Comparison of Hardened and Living Shorelines. *Shore and Beach* 85(4):1-6.
25. Powers SP, S Rouhani, MC Baker, H Roman, J Murray, JH Grabowski, **SB Scyphers**, JM Willis, MW Hester. (2017) Ecosystem services are lost when facilitation between two ecosystem engineers is compromised by oil. *Marine Ecology Progress Series* 576: 189-202.
24. Smith C, RK Gittman, I Neylan, **SB Scyphers**, J Morton, FJ Fodrie, JH Grabowski, CH Peterson. (2017) Hurricane damage along natural and hardened estuarine shorelines: Addressing homeowner misperceptions to promote nature-based coastal protection. *Marine Policy* 81: 350-358.
23. Drymon JM, **SB Scyphers**. (2017) Attitudes and perceptions influence recreational angler support for shark conservation and fisheries sustainability *Marine Policy* 81: 153-159.
22. Gittman RK, **SB Scyphers**, CS Smith, I Neylan, JH Grabowski. (2016) Ecological consequences of shoreline hardening: a meta-analysis. *BioScience* 66 (9): 763-773.
21. Helmuth BH, TC Gouhier, **SB Scyphers**, J MocarSKI. (2016) Trust, tribalism and tweets: has political polarization made science a “wedge issue”? *Climate Change Responses* 3(1):1.
20. Martin CW, JF Valentine, **SB Scyphers**, TC Kauffman, JJ Dindo. (2016) Preliminary Analysis of the Effects of the Macondo Oil Spill on Coastal Diving Ducks in the Northern Gulf of Mexico. *Journal of Applied Life Sciences International*, 8:3:1-9
19. **Scyphers SB**, SP Powers, JL Akins, JM Drymon, CW Martin, ZH Schobernd, P Schofield, RL Shipp, T Switzer. (2015) The role of citizens in detecting and responding to a rapid marine invasion. *Conservation Letters* 8(4): 242-250.
18. Murphy RD, **SB Scyphers**, JH Grabowski. (2015) Angler perceptions of striped bass management in southern New England. *PLOS ONE* 10(8) e0136412.
17. **Scyphers SB**, JS Picou, SP Powers. (2015) Participatory conservation of coastal habitats: the importance of understanding homeowner decision making to mitigate cascading shoreline degradation. *Conservation Letters* 8(1), 41-49.
16. **Scyphers SB**, TC Gouhier, JH Grabowski, MW Beck, J Mareska, SP Powers. (2015) Natural coastal habitats promote the stability of fish communities in an urbanized coastal ecosystem. *PLOS ONE* 10(6) e0118580.
15. **Scyphers SB**, SP Powers, KL Heck. (2015) Ecological value of submerged breakwaters as habitat enhancement at a residential scale. *Environmental Management* 55(2): 383-391.
14. **Scyphers SB**, JS Picou, RD Brumbaugh, SP Powers. (2014) Integrating societal perspectives and values for improved stewardship of a coastal ecosystem engineer. *Ecology and Society* 19(3): 38.
13. **Scyphers SB**, S Powers, FJ Hernandez, FJ Fodrie, RL Shipp. (2013) Venting and the survival of reef fishes: perceptions and participation rates among recreational anglers in the northern Gulf of Mexico. *North American Journal of Fisheries Management* 33(6):1071-1078.
12. **Scyphers SB** & SP Powers. (2013) Context-dependent effects of oyster reefs on predator-prey interactions. *Marine Ecology Progress Series* 491: 395-401.

11. Powers SP, FJ Fodrie, **SB Scyphers**, JM Drymon, RL Shipp RL, GW Stunz. (2013) Gulf wide decrease of large sharks documented by generations of fishermen. *Marine and Coastal Fisheries* 5(1): 93-102. *Awarded: **Best Paper of 2013 in *Marine and Coastal Fisheries***
10. Scheinin M, **SB Scyphers**, L Kauppi, KL Heck, J Mattila. (2012) The relationship between vegetation density and its protective value depends on the densities and traits of prey and predators. *Oikos* 121: 1093-1102.
9. **Scyphers SB**, SP Powers, KL Heck, D Byron. (2011) Oyster reefs as natural breakwaters mitigate shoreline loss and facilitate fisheries. *PLOS ONE* 6(8) e22396.

Book Chapters (n=5)

8. Arkema K, S Cunningham, J Delevaux, C Guzman, S Klain, J Lamb, L Nelson, **S Scyphers**, H Steward, A Sutton-Grier. (2024) Beneficiaries, equity, and trade-offs in estuarine and coastal ecosystem services. *Treatise on Estuarine and Coastal Sciences*. Academic Press, 2024, Pages 208-237, ISBN 9780323910422.
7. Cryan A, B Helmuth, **SB Scyphers**. Ecological Design for Urban Coastal Resilience. (2019) *Handbook on the Resilience of Socio-technical Systems*, Edited by M Ruth, Reisemann. Edward Elgar Publishing.
6. Gray SA, **SB Scyphers**. (2017). Innovations in Collaborative Science: Advancing citizen science, crowdsourcing and participatory modeling to understand and manage marine social-ecological systems. in *Conservation for the Anthropocene Ocean*. Edited by P Levin, M Poe. Elsevier Academic Press.
5. Arkema K, C Shepard, **SB Scyphers**. (2017) Living Shorelines for Nature and People. in *Shorelines: Living, Enhanced, Restored in the Modern Era*. Edited by D Bilkovic, M Mitchell, J Toft, M La Peyre. Taylor & Francis Group and CRC Press.
4. **Scyphers SB** & SB Lerman. (2014) Residential Landscapes, Environmental Sustainability and Climate Change. in *Research in Urban Sociology, Volume 15: Sustainable Cities: Global Concerns & Urban Efforts*. Editor: WG Holt. ISBN: 978-1-78441-058-2.

Proceedings (Peer Reviewed)

3. Alibage A, Jetter A, Aminpour P, Gray S, **Scyphers SB**. (2018) Exploratory Participatory Modelling with FCM to Overcome Uncertainty: Improving Safety Culture in Oil and Gas Operations. *9th International Congress on Environmental Modelling and Software*.
2. An X, Ganguly AR, Hunter AM, Fang Yi, **Scyphers SB**, Dy JG. (2014) Tracking climate change opinions from mining Twitter data. *Proceedings of Data Science for Social Good Workshop at ACM KDD*.

Other Peer-Reviewed Products

1. Grabowski JH, **Scyphers SB**, SP Powers. (2017) Marine Fisheries Management. *Oxford Annotated Bibliographies*. DOI: 10.1093/OBO/9780199830060-0178

Technical Reports & Other Products (Selected)

4. Shepard, C, R Bendick, R Crimian, R Braun, J Schmidt, S Blich, S Williams, B Hancock, W Scheffel, **SB Scyphers**. 2022. Ensuring a Future with Mangroves: Mangrove Engagement, Restoration, and Management in the Gulf of Mexico and on the Southeast Atlantic Coast. The Nature Conservancy. 28 pages.
https://www.nature.org/content/dam/tnc/nature/en/documents/ensuring_a_future_with_mangroves_handbook.pdf
3. van Zanten B, K Arkema, T Swannack (Lead Authors). Contributing Authors: R Griffin, S Narayan, K Penn, BG Reguero, G Samonte, **S Scyphers**, E Codner-Smith, S IJff, M Cress, M

Lemay. (2021) Chapter 6: Benefits of NNBF. In U.S Army Corps of Engineers International Guidelines for Natural and Nature-Based Features (NNBF). 64 pages.

2. **Scyphers SB**, KF Furman. (2019) Social Dimensions of the Recreational Fishery for Yellowtail Snapper (*Ocyurus chrysurus*) in Florida. SEDAR64-DW-17. SEDAR, North Charleston, SC. 7 pp
1. **Scyphers SB** (2016) Expert Testimony *submitted to The United States Supreme Court on behalf of The State of Florida*, Department of Environmental Protection *in the matter of* Florida v. Georgia v. 142, Original.

Presentations

Invited Seminars, Panels, & Symposia

- 2024 **NOAA Fishing Communities Workshop**, Silver Spring, Maryland. Invited Presenter and Panelist.
- 2024 **Alabama Coastal Foundation Sustainability Summit**, University of South Alabama. Invited Speaker, January
- 2023 **Lenfest Ocean Program**, Marine Biodiversity Dialogues. Invited Webinar. July 26, 2023.
- 2021 **University of South Alabama**, School of Marine & Environmental Sciences, Mobile, AL. “Pursuing Social-Ecological Sustainability Along Coastlines.” Invited Seminar. December 16, 2021.
- 2021 **Harte Research Institute, Texas A&M - Corpus Christi**, Corpus Christi, TX. “Pursuing Social-Ecological Sustainability Along Coastlines.” Invited Seminar. December, 2021.
- 2021 **State of the Coast 2021**, Invited Panelist for Discussion on “Quantifying the Wider Benefits of Natural and Nature-based Features.” June 3, 2021.
- 2021 **University of Alabama**, New College & Department of Geography. Virtual. “Pursuing Social-Ecological Sustainability Along Coastlines.” Invited Seminar. April 7, 2021.
- 2021 **Ohio State University**, School of Environment & Natural Resources. Virtual. “Social-Ecological Sustainability along Coastlines: Progress, Promise, & Panaceas.” Feb. 25, 2021.
- 2020 **United States House of Representatives**, Roundtable Hosted by Committee on Science Staff, Washington DC. Invited Panelist for Discussion on Natural and Nature-based Strategies for Coastal Resilience. February 14, 2020.
- 2020 **Yale University**, School of Forestry, New Haven, CT. “Social-Ecological Sustainability along Coastlines: Promise, Progress, and Panaceas”. Invited Seminar. February 10, 2020.
- 2019 **Gulf of Mexico Fishery Management Council**, St. Petersburg, FL. Invited Panelist for “Release Mortality Symposium”. October 7-8, 2019.
- 2019 **New York National Estuarine Research Reserve**, “Understanding Shoreline Management Decisions and Incentivizing Living Shorelines Among Private Landowners”. Invited Webinar. November 15, 2019.
- 2019 **Northeastern University**, Marine Science Center, Nahant, MA. “Social-Ecological Sustainability along Coastlines: Promise, Progress, and Panaceas”. 3rd Year Seminar. March 21, 2019.
- 2018 **University of North Carolina – Chapel Hill**, Institute of Marine Sciences, Morehead City, NC. “A Social-Ecological Systems Perspective on Shoreline Sustainability”. Invited Seminar. October 18, 2018.

- 2018 **University of Florida**, Institute for Fisheries and Aquatic Sciences, Gainesville, Florida. “From Shorelines to Social Disruption: A Social-Ecological Systems Perspective on Fisheries Sustainability”. Invited Seminar. October 5, 2018.
- 2017 **United States House of Representatives**, Climate Solutions Caucus, Washington, DC. Invited Capitol Hill Briefing on Coastal Sustainability. April 26, 2017.
- 2015 **Colby College, Environmental Studies Program**, Waterville, ME. “Crowded Coastlines as Coupled Social-Ecological Systems” Invited Seminar.
- 2015 **East Carolina University**, Department of Sociology & Institute for Coastal Science and Policy, Greenville, NC. “Disentangling Complex Social-Ecological Dynamics in Coastal Ecosystems. Invited Seminar.
- 2014 **International Marine Conservation Congress**, Glasgow, Scotland. Invited panelist for Focus Group: “Managing Human Legacies in a Changing Sea: Integrating Historical Ecology into Marine Conservation and Management” Organized by: L McClenachan, J Pandolfi, R Thurstan, J Drew. Panelists: J Brodie, L Crowder, P Levin, R Pressey, S Scyphers, D Zeller.
- 2014 **University of Massachusetts – Boston**, School for the Environment, Boston, MA. “Crowded Coastlines as Coupled Social-Ecological Systems”. Invited Seminar.
- 2013 **Gulf of Maine Research Institute**, Portland, ME. “Patterns of Social Disruption and Stress following the Failure of the Northeast Groundfish Fishery”. Invited Seminar.
- 2013 **U.S. Naval Academy**, Dept. of Oceanography & Dept. of Ocean Engineering, Annapolis, MD “Crowded Coastlines as Coupled Social-Ecological Systems”. Invited Seminar.
- 2013 **University of North Carolina – Coastal Studies Institute**, Manteo, NC. “Crowded Coastlines as Coupled Social-Ecological Systems”. Invited Seminar.
- 2013 **NOAA – Northeast Fisheries Science Center, Social Science Branch**, Woods Hole, MA. “Patterns of Social Disruption and Stress following the Failure of the Northeast Groundfish Fishery”. Invited Seminar.

Contributed Presentations (Selected since 2016, ‡Student Advisee)

- 2024 **International Marine Conservation Congress (IMCC) 2024**, Marine Biodiversity Dialogues: Developing a Framework for Assessment and Conservation of Ocean Biodiversity in the United States. G Canonico, E Duffy, S Scyphers, S Gray, K Furman, S Gibbs.
- 2024 **World Fisheries Congress 2023**, Seattle, WA Case Studies for Involving Stakeholders in the Management of Shark Depredation. JM Drymon, AE Jargowsky MJ Ajemian, AQ Anderson, AB Collins, DM McAree, AR Osowski.
- 2023 **Gulf and Caribbean Fisheries Institute**, Nassau, Bahamas. Spatially-explicit fishermen's knowledge elicited through participatory mapping informs co-management of reef fish species. S Swinea, H Smith, M Albins, S Powers, S Scyphers.
- 2023 **American Sociological Association**, Philadelphia, PA. Developing a social equity framework for fisheries management. K Furman, S Sagarese, S Scyphers.
- 2023 **American Elasmobranch Society (AES 2023)**, Norfolk, VA. Case Studies for Involving Stakeholders in the Management of Shark Depredation. M Drymon, JM Drymon, AE Jargowsky, MJ Ajemian, AQ Anderson, AB Collins, DM McAree, AR Osowski, EG Prasky, SB Scyphers, MJ Sipos, MK Streich

- 2023 **Natural Hazards Workshop**, Broomfield, CO. Living Shoreline Perceptions Of Private Landowners in Bayou La Batre, AL. S Limer, A Glover, MM Weeks, R Farmer, J Haner, MK Brown, E Sparks, and S Scyphers.
- 2023 **American Elasmobranch Society (AES 2023)**, Norfolk, VA. Characterizing Anglers' Responses to Reported Increases in Shark Depredation Across the Gulf of Mexico. JM Drymon, AE Jargowsky MJ Ajemian, AQ Anderson, AB Collins, DM McAree, AR Osowski.
- 2023 **CERF 2023, Portland, OR**. Nurseries as socio- and eco-evolutionary filters for the genetics of restored populations. NM Kollars, K Rabbitt, SB Scyphers, AR Hughes.
- 2023 **Mississippi-Alabama Bays and Bayous (2023)**. Mobile, AL. Co-Producing a Shared Characterization of Depredation in the Gulf of Mexico Reef Fish Fishery. A Osowski, A Jefferson, A Anderson, D McAree, S Scyphers, S Swinea, E Prasky, S Gibbs, M Karnauskas, M Drymon.
- 2023 **Alabama Chapter of the American Fisheries Society Meeting**. Gulf Shores, AL. Gibbs, SL.,* Drymon, JM., Jargowsky, A., Scyphers, S. 2023. Attitude, Perceptions, and Beliefs of Reef Fish Fishers in the Gulf of Mexico.
- 2023 **American Fisheries Society – New England Division, Boston, MA**. Perceptions of Risk and Adaptive Capacity of Commercial Fisheries Across the United States. Murphy. Murphy, R.,* Harris, B., Grabowski, J., Gibbs, SL., Scyphers, S. 2023.
- 2022 **Restore America's Estuaries**, New Orleans, LA. (2022). Collaborative Modeling the Benefits, Costs, and Trade-Offs of Mangroves and Seawalls for Climate Adaptation in the Florida Keys. Scyphers.
- 2022 **Sharks International Conference**. Valencia, Spain. Prasky, E.,* Drymon, JM., Anderson, A., Gibbs SL., Jefferson, A., Karnauskas, M., McAree, D., Osowski A., Swinea S., Scyphers, S. 2022. Quantifying Perceptions About Shark Depredation Through Recreational Angler Avidity and Interactions
- 2022 **Gulf States Marine Fisheries Commission Annual Meeting**, San Antonio, TX. Extending our reach: A multi-state collaborative approach to reef fisheries Extension. Gibbs, SL.,* Drymon, JM., Jefferson, A., Prasky, E., Swinea, S., Scyphers, S. 2022.
- 2022 **Mississippi-Alabama Bays and Bayous (2023)**. Fort Walton Beach, FL. Co-Producing a Shared Characterization of Depredation in the Gulf of Mexico Reef Fish Fishery. A Osowski, A Jefferson, A Anderson, D McAree, S Scyphers, S Swinea, E Prasky, S Gibbs, M Karnauskas, M Drymon.
- 2022 **Gulf of Mexico Conference**. Baton Rouge, LA. Characterizing Cryptic Mortality in GoM Reef Fish: Evaluating the Nature and Extent of Depredation. Drymon, JM.,* Ajemian, M., Collins, A., Duffin, B., Fluech, B., Gibbs, SL., Goethel, D., Gray, S., Jefferson, A., Karnauskas, M., Lively, J., Osowski, A., Prasky, E., Sagarese, S., Swinea, S., Scyphers S. 2022.
- 2022 **Gulf and Caribbean Fisheries Institute (GCFI 75)**. Fort Walton Beach, FL. Co-Producing a Shared Characterization of Depredation in the Gulf of Mexico Reef Fish Fishery. A Osowski, A Jefferson, A Anderson, D McAree, S Scyphers, S Swinea, E Prasky, S Gibbs, M Karnauskas, M Drymon.
- 2021 **American Fisheries Society (AFS 2021)**. Baltimore, MD. Social-ecological implications of climate-driven nearshore habitat change for fisheries in the northern Gulf of Mexico. S Swinea, AR Hughes, M Osland, C Shepard, **SB Scyphers**.
- 2021 **American Fisheries Society (AFS 2021)**. Baltimore, MD. Investigating impacts of shoreline alteration on fish abundance and species composition. H Solomon, K Furman, **SB Scyphers**.

- 2021 **American Fisheries Society (AFS 2021)**. Baltimore, MD. Developing a Social Equity Framework for Fisheries Management. K Furman, S Sagarese, **SB Scyphers**.
- 2021 **National Hazards Center Researchers Meeting (NHC 2021)**. Virtual Meeting. Nearby Greenspace Predicts Household Recovery Following Category 5 Hurricane Michael. K O'Donnell, C. Shepard, S. Scyphers.
- 2021 **Northeast Aquaculture Conference**. Addressing Constraints to Shellfish Aquaculture Through Quantifying Public Perception And Attitudes Along The Atlantic Coast Of The U.S. K Schultz, S Scyphers, R Hughes, D Kimbro, S Kirk, J Grabowski.
- 2021 **American Sociological Association Meeting (ASA 2021)**. Virtual Meeting. Social equity in shore-based fisheries: identifying and understanding barriers to access. KL Furman, L Barbieri, SL Harlan, SB Scyphers.
- 2021 **Collective Intelligence Conference 2021 (CI 2021)**. Diversity produces real-world payoffs for complex problem-solving: Evidence of diversity bonus in pooling local knowledge. P Aminpour, S Gray, SB Scyphers.
- 2021 **World Fisheries Congress 2021**. Depredation in the U.S. Gulf of Mexico: previous work, current projects, and next steps. JM Drymon, AE Jefferson, **SB Scyphers**, S Kajiuura, MJ Ajemian.
- 2021 **Southern Economic Association 2021**. Homeowner Preferences for Post-storm Coastal Adaptation: An Application of Choice Experiments. C Landry, A Keeler, SB Scyphers.
- 2020 **American Fisheries Society (AFS 2020)**. Virtual Meeting. Social Equity in Shore-Based Recreational Fisheries in Key West, Florida. K Furman, S Scyphers. *K Furman was awarded Best Student Paper in Socioeconomics.
- 2020 **American Fisheries Society (AFS 2020)**. Virtual Meeting. Understanding and Enhancing Angler Satisfaction with Fisheries Management: Insights from the “Great Red Snapper Count”. S Scyphers, M Drymon, A Jefferson, K Furman, E Conley, Y Niwa, G Stunz.
- 2020 **Hurricon – NSF CoPe Workshop**, Greenville, NC. Resilience of Shoreline Protection Methods to Hurricane Florence. D Eulie, R Gittman, C Smith, H Hao, M Polk, S Scyphers.
- 2020 **American Shore and Beach Preservation Association (ASBPA 2020)**, Virtual Meeting. Impacts and Recovery from Hurricane Michael: A Survey of Coastal Residents. K. O’Donnell, T. Tomiczek, C Shepard, S Harlan, S. Scyphers.
- 2020 **American Shore and Beach Preservation Association (ASBPA 2020)**, Virtual Meeting. Quantification of salt marsh damage in the Florida Panhandle from Hurricane Michael: Implications for recovery and resilience. K Castagno, T. Tomiczek, C Shepard, S. Scyphers.
- 2020 **Mississippi-Alabama Sea Grant Bays & Bayous Symposium**, Virtual Meeting. Understanding and Enhancing Angler Satisfaction with Fisheries Management: Insights from the “Great Red Snapper Count”. A Jefferson, S Scyphers, M Drymon, K Furman, E Conley, Y Niwa, G Stunz.
- 2020 **American Geophysical Union**, Virtual Meeting. How Much Marsh Restoration is Enough to Deliver Coastal Protection Benefits? K Castagno, N Ganju, S Scyphers, M Beck, A Bowden.
- 2020 **Collective Intelligence 2020**, Virtual Meeting (planned for Boston, MA). Harnessing Collective Intelligence for Conservation. Aminpour, P, SA Gray, AJ Jetter, JE Introne, SB Scyphers, D Baltaxe, R Arlinghaus.
- 2020 **Ecological Society of America (ESA 2020)**, Virtual Meeting. Harnessing local people’s collective intelligence for achieving sustainable ecosystems. P Aminpour, S Gray, R Jordan, SB Scyphers.

- 2020 **International Symposium on Society and Natural Resources (ISSRM 2020)**. Catching versus counting: comparing the pro-environmental behaviors of fishers and citizen scientists. Varade M, F Choi, B Helmuth, SB Scyphers.
- 2020 **Association of Environmental and Resource Economics (AERE 2020)**, Miami, FL. Consumer Preferences for Post-storm Coastal Adaptation: An Application of Choice Experiments. C Landry, A Keeler, SB Scyphers.
- 2020 **NOAA SEASAW Forum**, New Orleans, LA. Developing and Piloting a Social Equity Framework for Fisheries Management. KL Furman, S Sagarese, S Cass-Calay, S Scyphers.
- 2020 **NOAA Social Coast Forum**, Charleston, SC. Geographic and Landscape Patterns of Residential Outcomes Following Hurricane Irma in the Florida Keys. K O'Donnell, T Tomiczek, S Harlan, S Scyphers,
- 2019 **Gulf and Caribbean Fisheries Institute (GCFI 2019)**, Punta Cana, Dominican Republic. Spatial variation and social equity in shore-based recreational fisheries in Key West, Florida. Furman, Scyphers.
- 2019 **Coastal and Estuarine Research Federation Annual Meeting (CERF 2019)**, Mobile, AL. Mental models for assessing social-ecological systems following disasters. Furman, Gray, Scyphers.
- 2019 **Coastal and Estuarine Research Federation Annual Meeting (CERF 2019)**, Mobile, AL. Parcel-Scale Effects of Mangroves on Wave Transformation and Force Reduction in the Built Environment. T Tomiczek, S Scyphers.
- 2019 **Coastal and Estuarine Research Federation Annual Meeting (CERF 2019)**, Mobile, AL. Evaluation of the Resilience of Shoreline Protection Methods to Hurricane Florence. DO Eulie, RK Gittman, H Hao, MA Polk, S Scyphers, CS Smith, EH Wellman.
- 2019 **Coastal and Estuarine Research Federation Annual Meeting (CERF 2019)**, Mobile, AL. Impacts of Hurricane Irma on people and the built environment in the Florida Keys: KL O'Donnell, S Scyphers, T Tomiczek, S Harlan.
- 2019 **Coastal and Estuarine Research Federation Annual Meeting (CERF 2019)**, Mobile, AL. Limited diffusion of scientific advances may impede restoration of coastal habitats. R Hughes, P Edwards, JH Grabowski, SB Scyphers and SL Williams.
- 2019 **Coastal and Estuarine Research Federation Annual Meeting (CERF 2019)**, Mobile, AL. Quantifying habitat restoration in the coastal U.S. Grabowski and 21 Co-authors including SB Scyphers.
- 2019 **Coastal and Estuarine Research Federation Annual Meeting (CERF 2019)**, Mobile, AL. Voluntary restoration: mitigation's partner in the quest to outpace coastal wetland loss in the USA. Gittman & 21 Co-Authors including SB Scyphers.
- 2019 **American Sociological Association (ASA 2019)**, New York, NY. "Chronic Social Disruption following a Systemic Fishery Failure". SB Scyphers, JS Picou, J Grabowski.
- 2019 **American Fisheries Society (AFS 2019)**, Reno, NV. "An Interdisciplinary Approach for Disseminating Tackle Recommendations to Promote Sustainability of the Gulf of Maine Recreational Groundfish Fishery." C Capizzano, J Mandelman, E Jones, N Fagan, M Dean, W Hoffman, MH Ayer, C Cassidy, SB Scyphers, D Zemeckis.
- 2019 **CNREP: 6th National Forum on Coastal Socioeconomics**, New Orleans, LA. "Assessing Social-Ecological Systems Following Disasters: A Case Study using Fuzzy-Cognitive Mapping Post-Hurricane Irma in Key West, Florida." K Furman[‡], SA Gray, SB Scyphers.

- 2019 **CNREP: 6th National Forum on Coastal Socioeconomics**, New Orleans, Louisiana. “Impacts of Hurricane Irma on People and the Built Environment in the Florida Keys: A Survey of Coastal Residents” K O’Donnell[‡], S Harlan, T Tomiczek, SB Scyphers.
- 2019 **CNREP: 6th National Forum on Coastal Socioeconomics**, New Orleans, Louisiana. “Consumer Preferences for Post-storm Coastal Adaptation: An Application of Choice Experiments” C Landry, A Keeler, SB Scyphers.
- 2019 **CNREP: 6th National Forum on Coastal Socioeconomics**, New Orleans, LA. “Perceptions of Hurricane Irma among Recreational Lobster Fishers in Key West, Florida” E Conley, SB Scyphers.
- 2018 **SESYNC Boundary Spanning Symposium**, Annapolis, Maryland. “Urbanization and Shoreline Armoring Erodes Complexity in Coastal Social-Ecological Systems”. S Scyphers, S Gray, M Beck, M Ruth, R Gittman, K Furman[‡], L Josephs[‡], J Grabowski.
- 2018 **American Fisheries Society (AFS) Annual Meeting**, Atlantic City, NJ. Crowdsourcing Mental Models to Predict Social-Ecological Outcomes of Climate Change in Fisheries. S Scyphers, S Gray, L Akins, K Furman[‡], L McClenachan, P Schofield, J Grabowski.
- 2018 **American Fisheries Society (AFS) Annual Meeting**, Atlantic City, NJ. The Disparate Behavioral Effects of Fishery Regulations Can be Explained by Angler Attitudes. R Murphy, J Grabowski, S Scyphers, S Gray.
- 2018 **American Fisheries Society (AFS) Annual Meeting**, Atlantic City, NJ. Crowdsourcing Mental Models to Predict Social-Ecological Outcomes of Climate Change in Fisheries. J Grabowski, S Scyphers, JS Picou.
- 2018 **North American Congress for Conservation Biology**, Toronto, Ontario. Harnessing Swarm Intelligence for Conservation. C Reza, S Gray, S Scyphers, R Murphy, S Grabowski, D Baltaxe.
- 2018 **Benthic Ecology Meeting**, Corpus Christi, TX. Historical data reveal changing social effects of rapid temperature changes on marine fisheries over the last half century. L McClenachan, M Mara, J Grabowski, N Record, S Scyphers.
- 2018 **Benthic Ecology Meeting**, Corpus Christi, TX. Lessons learned from Alabama’s living shorelines. B Blomberg, K Heck, J Haner, D Knight, D Byron, S Scyphers, J Grabowski.
- 2018 **Sustainability & Development Conference**, Ann Arbor, MI. Coastal adaptation in developing countries: a synthesis of approaches used and how those approaches contribute to UNFCCC-financed adaptation projects. K Van Maanen[‡], L Kuhl, S Scyphers.
- 2018 **Restore America’s Estuaries**, Long Beach, CA. EWN Case Study: Mangroves. The Role of Shoreline Type in Mitigating Damage Due to Hurricane Irma in the Florida Keys. T Tomiczek, K Furman[‡], K O’Donnell[‡], B Webbmartin, S Scyphers
- 2018 **American Society of Civil Engineers (ASCE) Infrastructure Resilience Division (IRD) Forum: The 2017 Natural Disasters**, Reston, VA. “Community Resilience, Shoreline and Structural Vulnerabilities to Hurricane Irma in the Florida Keys”. T Tomiczek, K Furman[‡], K O’Donnell[‡], B Webbmartin, S Scyphers.
- 2018 **36th International Conference on Coastal Engineering (ICCE)**, Baltimore, MD. “Resilience of Sandy, Engineered, And Mangrove Shorelines in Key West, Fl During Hurricane Irma” T Tomiczek, S Scyphers, K Furman[‡], K O’Donnell[‡]
- 2018 **36th International Conference on Coastal Engineering (ICCE)**, Baltimore, MD. Evaluating The Capacity of Natural And Nature-Based Features To Reduce Coastal Storm Hazards. B Webb, S Scyphers, J Cebrian, R Gittman, S Sharma, J Rosati.

- 2017 **‡Coastal & Estuarine Research Federation**, Providence, RI. Integrating Ecological Variation and Environmental Justice for Coastal Planning in the Florida Keys. K Furman[‡], S Scyphers.
- 2017 **Coastal and Estuarine Research Federation**, Providence, Rhode Island. Urbanization and shoreline armoring erodes complexity in coastal social-ecological systems. SB Scyphers, SA Gray, TC Gouhier, LI Josephs[‡], MW Beck, JH Grabowski.
- 2017 **‡Coastal and Estuarine Research Federation**, Providence, Rhode Island. Does exposure to coastal hazards relate to societal concern? A study of northeast coastal residents. K O'Donnell[‡], K Arkema, RK Gittman, JH Grabowski, M Ruth, S Scyphers.
- 2017 **Planetary Health Alliance**, Harvard Medical School, Boston, MA. Social disruption and adaptive capacity following a fishery failure. SB Scyphers, JS Picou, JH Grabowski.
- 2017 **American Elasmobranch Society Meeting**, Austin, TX. Attitudes and Perceptions Influence Recreational Angler Support for Shark Conservation and Fisheries Sustainability. JM Drymon, SB Scyphers.
- 2017 **Ecological Society of America**, Portland, OR. Limited inclusion of biodiversity in coastal habitat restoration design may impede ecosystem function. AR Hughes, JH Grabowski, H Leslie, SB Scyphers, S Williams.
- 2017 **American Association for the Advancement of Science (AAAS)**, Boston, MA. Investigations of coastal residents' views on the condition and restoration of shorelines along an urbanization gradient. [‡]KL Furman, JH Grabowski, M Ruth, MW Beck, RK Gittman, SB Scyphers.
- 2017 **American Association of Geographers (AAG)**, Boston, MA. Investigations of coastal residents' views on the condition and restoration of shorelines along an urbanization gradient. [‡]KL Furman, JH Grabowski, M Ruth, MW Beck, RK Gittman, SB Scyphers
- 2016 **CNREP 2016: 5th National Forum on Coastal Socioeconomics**, New Orleans, LA. Sustainability on the edge of risk and resources: insights from waterfront homeowners' mental models of sustainable coastlines. SB Scyphers, SA Gray, TC Gouhier, LI Josephs[‡], MW Beck, JH Grabowski.
- 2016 **‡Community, Culture, and Conservation Conference**, Colby College, Waterville, ME. Investigations of coastal residents' views on the condition and restoration of shorelines along an urbanization gradient. Furman KL, SB Scyphers, M Ruth, JH Grabowski.
- 2016 **‡Community, Culture, and Conservation Conference**, Colby College, Waterville, ME. Assessing fishers' mental models of climate change using fuzzy cognitive mapping. Cosenza L[‡], SB Scyphers, S Gray, L McClenachan, JH Grabowski.
2016. **Bays and Bayous Symposium**, Biloxi, MS. Efficacy of "Living Shoreline" restoration: lessons learned from multi-year projects in Coastal Alabama. J Cebrian, S Sharma, J Goff, D Byron, J DeQuattro, C Ferraro, J Haner, K Heck, C Hightower, S Powers, S Scyphers.
- 2016 **Gulf and Caribbean Fisheries Institute (GCFI 2016)**, Grand Cayman, Cayman Islands. Perceptions of sharks influence recreational angler support for their conservation. Drymon JM, SB Scyphers.

TEACHING AND ADVISING

Courses Taught at University of South Alabama

1. Dynamics of Socio-Environmental Systems (ENS 601), G, 3 SH
 - a. Fall 2024, 13 Students, In Progress
2. Environmental Sociology (SY 467/567), UG/G, 3 SH
 - a. Spring 2024, 12 Students, Overall Teaching Effectiveness = 5.0 / 5.0

- b. Spring 2023, 8 Students, Overall Teaching Effectiveness = 4.2 / 5.0
- 3. Marine Resource Management (MAS 520), G, 3 SH
 - a. Spring 2023, 13 Students, Overall Teaching Effectiveness = 4.56 / 5.0
- 4. Graduate Seminar (MAS 592/692), G, 1 SH
 - a. Fall 2023, 10 Students, Overall Teaching Effectiveness = 4.33 / 5.0
- 5. Environment and Society (ENV 101), Fall 2023, 3 SH
 - a. Fall 2024 (Co-Taught w S Swinea), In Progress
 - b. Fall 2023 (Co-Taught w S Swinea), 2 Students, Overall Teaching Effectiveness = 4.0 / 5.0
- 6. Gulf Coast Sustainability Seminar (ENV 100), UG, 1 SH
 - a. Fall 2024, 27 Students, In Progress
 - b. Fall 2023, 14 Students, Overall Teaching Effectiveness = 3.57 / 5.0

Courses Taught at Northeastern University

- 7. Applied Social-Ecological Systems Modeling (ENVR 5450), G/UG, 4SH.
 - a. Spring 2020*: 16 Students, Overall Teaching Effectiveness = 4.9/5.0.
*New course developed for Undergraduate and Graduate programs.
- 8. Sustainable Development (ENVR 4515/2515), Undergraduate, 4 credits.
 - a. Fall 2020: 58 students, Overall Teaching Effectiveness = 4.8/5.0.
*Fully revised as ENVR2515 for new UG curricula.
*Taught Remotely in hybrid NU-Flex design.
 - b. Fall 2019: 40 students, Overall Teaching Effectiveness = 4.7/5.0.
 - c. Fall 2018: 20 students, Overall Teaching Effectiveness = 4.7/5.0.
 - d. Fall 2017: 45 students, Overall Teaching Effectiveness = 4.4/5.0.
 - e. Spring 2017: 33 students, Overall Teaching Effectiveness = 4.7/5.0.
 - f. Fall 2015: 25 students, Overall Teaching Effectiveness = 4.8/5.0.
*Fully revised and modernized course to integrate recent advances in sustainable development and semester-long projects assessing progress towards the UN's Sustainable Development Goals. Taught as adjunct faculty during postdoc.
- 9. Seminar in Environmental Science and Policy 2 (ENVR 6102), G, 2SH.
 - a. Spring 2019: 6 students, Teaching Effectiveness = N/A.
*New course developed for new MS program in Environmental Science and Policy.
- 10. Seminar in Sustainability Sciences (EEMB 7103), G, 2SH.
 - a. Spring 2020: 12 students, Co-taught w/ JH Grabowski, Teaching Effectiveness = N/A.
 - b. Fall 2017: 6 students, Co-taught w/ JH Grabowski, Teaching Effectiveness = N/A.
*New course developed for new PhD program in Marine & Environmental Sciences.
- 11. Marine Conservation (EEMB 5528), G/UG, 4SH.
 - a. Spring 2015: 24 students. Overall Teaching Effectiveness = 5.0/5.0.
*Taught as adjunct faculty during postdoc.
 - b. Spring 2014: 22 students. Overall Teaching Effectiveness = 5.0/5.0.
*Fully revised and modernized course to integrate social science and conservation practice. Taught as adjunct faculty during postdoc.

Supervision of Graduate Students

PhD Students

Casi Callaway	2024-Present. University of South Alabama's PhD Program in Environment & Society
Grace Stringer	2024-Present. University of South Alabama's PhD Program in Environment & Society.

Sarah Wraight	2023-Present. University of South Alabama's PhD Program in Environment & Society.
Sophia Corde	2022-Present. University of South Alabama's PhD Program in Marine Science. Co-advised with R Carmichael.
Sarah Gibbs	2021-Present. University of South Alabama's PhD Program in Marine Science. Co-advised with J Grabowski at NU. *USA SSOMES Departmental Fellowship Recipient. *USA Gender Studies Program Mahan-Brandon Awardee.
Savannah Swinea	2020-Present. Northeastern University's PhD Program in Marine & Environmental Sciences: Sustainability Sciences track. *NU MES Departmental Fellowship Recipient. *NSF Graduate Research Fellowship Program Honorable Mention.
Kelsi Furman	2017-Present. Northeastern University's PhD Program in Marine & Environmental Sciences: Sustainability Sciences track. Dissertation: "Integrating Ecological Variation and Environmental Justice for Coastal and Fisheries Management" *NSF Graduate Research Fellowship Program Recipient. *NSF Graduate Internship Program Recipient for NOAA Fisheries. <u>Current Position</u> : Social Scientist (FTE) at NOAA Fisheries Southeast Fisheries Science Center, Beaufort, North Carolina
Kiera O'Donnell	2017-Present. Northeastern University's PhD Program in Marine & Environmental Sciences: Sustainability Sciences track. Dissertation: "Assessing the role of nature-based and hardened shorelines with hurricane impacts and recovery" <u>Current Position</u> : Postdoc at Duke University
<u>MS Students</u>	
Evan Prasky	2023. Northeastern University's MS Program in Marine & Environmental Sciences. Thesis: Co-Producing a Shared Understanding of Shark Depredation Through Public Participation.
Ismeni Tsakiri	2020. Northeastern University's Environmental Science & Policy MS Program. Cooperative Education / Research Experience.
Anne Le Henaff	2019. Visiting MS Student enrolled in Erasmus Mundus Master's in Marine Environment and Resources. (Scyphers - Thesis Advisor). Thesis Title: "A Social Network Analysis of Organizations involved in Coastal Restoration Projects"
Marissa Varade	2018. Northeastern University Three Seas Program. MS in Marine Biology. (Co-advised with B Helmuth). Project Title: "Through the Eye of the Stakeholder: Disentangling Interactions Between Climate Communications, Environmental Attitudes, and Behaviors"
Kyla Van Maanen	2017. Northeastern University's Three Seas Program MS in Marine Biology. (Co-advised with L Kuhl). Project Title: "Policy & Planning: The Foundation of Coastal Adaptation in Developing Countries"

Emily Conklin 2016. Northeastern University's Three Seas Program MS in Marine Biology. (Co-advised with J Grabowski). Project Title: "Assessing the Influence of Activism on Environmental Attitudes, Beliefs & Concerns"

William Helt 2014. Northeastern University's Three Seas Program MS in Marine Biology. (Co-advised with J Grabowski). Project Title: "Analysis of trends in oyster reef restoration across the United States coastline"

Supervision of Undergraduate Students

Honors Thesis

Aryah Glover In Progress, University of South Alabama

Rachel Dowley 2018. Northeastern University, Environmental Sciences. Thesis: "Women and their environment: a regional study on how socialized gender roles shape flood risk perceptions, opinions, and concerns in Southeast Asia".

Scholar's Independent Research Fellowships

Elisa Figueras	2017	Elisa Figueras	2017	Rachel Dowley	2017
Riddhi Samtani	2018	Jodi Robertson	2017		

Senior Capstone

Alex Schoepke	2020	Georgia Horton	2018	Jasmine Torrey	2016
Elisa Figueras	2020	Eric Cresta	2018	Jason Langshaw	2016
Archana Apte	2019	Anna Walsh*	2017	*NSF GRFP Awardee	
Rebecca Lynskey	2019	Kelsi Furman*	2016		
Milana Pakes	2018	Megan Munkacsy	2016		

Co-op Research Experience (*Provost's Undergraduate Research Awardee)

Elizabeth Conley	2018	Rebecca Lynskey	2016	Lauren Josephs*	2014
Daniel Litchmore	2017	Lauren Cosenza	2016		

Directed Study

Sarah Gibbs	2020	Kayla Sklar	2019	Archana Apte	2018
Rebecca Lynskey	2019	Corey Watanabe	2019	Kelsi Furman	2016

Interns (*Provost's Harvey Mudd College Program)

Sarah Gibbs	2019	Rebecca Lynskey	2018	Jade Lin	2017
Nicole Card	2018	Nicholas Yoon	2018	Marissa Fallico	2017
Genevieve Imboden*	2017				

High School Students

Maya Levine	2018	Marina Dreeban	2017	Alex Ordentlich	2021
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Graduate Student Committees

PhD Dissertation Committees

Manuel Coffill-Rivera	2024-	University of South Alabama
Cynthia Lupton	2023-	Mississippi State University
Megan Geesin	2023-	East Carolina University
Stephanie Tsui	2022-	Northeastern University
Michelle Harris	2021-	University of South Carolina
Kalaina Thorne	2021-	Northeastern University
Helen Cheng	2020-	Northeastern University

Johanna L'Heureux	2019-	Northeastern University
Eric Schneider	2019-	Northeastern University
Katherine Sperry	2019-	Northeastern University
Kelsey Schultz	2018-	Northeastern University
Aubrey Foulk	2018-	Northeastern University
Karen Aerni	2018-2023	Northeastern University
Eric Muth	2018-2022	University of Alabama – Birmingham
Micah Dean	2015-2021	Northeastern University
Ahmed Alibage	2018-2020	Portland State University
Connor Capizzano	2017-2020	University of Massachusetts - Boston
Nicole Betz	2017-2019	Northeastern University (Psychology)
Carter Smith	2017-2019	University of North Carolina – Chapel Hill
Robert Murphy	2013-2018	Northeastern University

MS Thesis Committees

Trevor Strong	2023-Present	University of South Alabama (Civil Engineering)
Tabassum Islam	2023-Present	University of South Alabama (Civil Engineering)
Thomas Moorman	2021-2022	Auburn University (Natural Resource Management)
Ashley Cryan	2017-2019	Northeastern University
Chris Lynum	2016-2018	Northeastern University

SERVICE & PROFESSIONAL DEVELOPMENT

Service to the Institution

Department Service (University of South Alabama)

2024-	Environment & Society PhD Coordinator
2024	SSoMES Instructor Search Committee (Chair)
2024	SASW Sociology Faculty Search Committee
2024	SSoMES Interdisciplinary Environmental Sciences Faculty Search Committee (Chair)
2022-	SSoMES Undergraduate Curriculum Committee
2023-	SASW Sociology Program Committee
2023-	SASW Recruitment and Retention Committee

College Service (University of South Alabama)

2024-	Arts & Sciences Graduate Curriculum Committee
2023-24	Arts & Sciences Summer Professional Development Awards Committee

University Service (University of South Alabama)

2024-	Faculty Grievance Committee
2024	Common Read – Common World Selection Committee
2023	Sustainability Officer
2023-	Sustainability Committee (Co-Chair in 2023-24, Chair since Fall 2024)
2022-	Gulf Scholars Program Faculty Director

Previous Department Service (Northeastern University)

2019-2022	Member of Ad hoc Committee to Review & Modernize Undergraduate Environmental Science & Environmental Studies Curriculum
2018-2022	Lead & Co-Founder of NU Coastal Sustainability Institute's Partnership with The Nature Conservancy
2016-2022	Member of Graduate Curriculum Committee

2018-2021 Chair of Muckenhoupt Award Committee

Previous College Service (Northeastern University)

2016-2022 Qualtrics XM Division Admin for NU College of Science
2021 Dean's Graduate Student Awards Committee
2020-2022 INVEST Faculty Search Committee
2020 Environmental Psychology Faculty Search Committee, Department of Psychology
2020 Dean's Graduate Student Awards Committee
2019 Dean's Graduate Student Awards Committee

Previous University Service (Northeastern University)

2018-2022 Member of Environmental Science & Policy MS Degree Executive Committee
2019 Faculty Participant in Coastal Universities Coalition Summit at NU MSC
2019 Faculty Presenter for NU Advancement (Potential Donor Visit)
2018 Representative to Fondation Bertarelli Marine Science Symposium, London, UK
2017 Faculty Presenter for NU Advancement (Potential Donor Visit)
2017 Participating Mentor in Provost's Harvey Mudd College – NU Summer Program
2017 Faculty Presenter on NU's Coastal Sustainability Institute Proposal to President Aoun, Senior Leadership Team, and Board of Trustees.

Service to the Discipline and Profession

Academic Program Reviewer: UNC – Chapel Hill, Institute for the Environment (2024)
East Carolina Univ., Integrated Coastal Studies PhD Program (2023)

Journal Editing: *Frontiers in Sociology* (Associate Editor, 2021-Present)
Frontiers in Ecology & Evolution (Associate Editor, 2021-Present)
Sustainability (Editorial Board Member, 2019-2023)
Ecological Applications (Guest Editor, 2020)
Sustainability (Guest Editor, 2017-18)

Journal Reviewer: *Aquacultural Engineering*, *Bioinvasions Records*, *Conservation Letters*,
Ecology and Society, *Ecosphere*, *Environmental Management*, *Fisheries Research*,
Global Change Biology, *Gulf of Mexico Science*, *Marine and Coastal Fisheries*,
Marine Ecology Progress Series, *North American Journal of Fisheries Management*,
Peer J, *PLoS One*, *Polar Record*, *Restoration Ecology*, *Sustainability*, *Sustainability: Science, Practice, and Policy*

Proposal Review Panelist: National Science Foundation, Connecticut Sea Grant, Maryland Sea Grant, Florida Sea Grant

Proposal Reviewer: National Science Foundation – 4 Programs (Research Initiation Awards, Environmental Sustainability, SEES Fellows, Ocean Sciences Postdoc Program), Canada Social Science Research Council, Rhode Island Sea Grant, North Carolina Sea Grant, Connecticut Sea Grant, Maryland Sea Grant, Florida Sea Grant

Book Proposal Reviewer: Elsevier/Academic Press

Technical Report Reviewer: United States Forest Service, United States Geological Survey

Meeting Abstract Reviewer: International Marine Conservation Congress

Service to the Community and Public (Selected)

Government & Policy

2023-Present City of Fairhope Environmental Advisory Board

2023-Present Partners for Environmental Progress, Eagle Reef Scientific Advisory Committee

2022-Present City of Mobile, Environmental Resilience Working Group

Fisheries Management

2016-Present Appointed Member, Gulf of Mexico Fisheries Management Council's Standing Scientific and Statistical Committee (SSC). *For context, SSC's serve as the primary scientific/technical advisory body for federal fisheries management councils. The SSC provides ongoing scientific advice for fishery management decisions, including recommendations for acceptable biological catch, preventing overfishing, maximum sustainable yield, and achieving rebuilding targets, and reports on stock status and health, bycatch, habitat status, social and economic impacts of management measures, and sustainability of fishing practices. The Gulf of Mexico SSC typically meets 4-5 times per year for 2-4 days.*

2022 Participant & SSC Representative, SEDAR Red Snapper Stock Assessment

2022-2023 Participant & SSC Representative, SEDAR Mutton Snapper Stock Assessment

2021-2022 Participant & SSC Representative, SEDAR Gray Snapper Stock Assessment

2021 Participant & SSC Representative, SEDAR Red Snapper Stock Assessment

2019-2021 Social Science Representative, Gulf States Marine Fisheries Commission Red Drum Species Profile

2018-2019 Participant & SSC Representative, SEDAR 64 Yellowtail Snapper Stock Assessment

Public Outreach & Engagement (since joining South Alabama in 2022)

2023 Speaker, Cornell University Extension Webinar Series

2023 Speaker, Mobile Baykeeper

2023 Speaker, ACF Green Coast Council Sustainability Summit at South Alabama

2022-2023 Assistant Judge, Alabama Deep Sea Fishing Rodeo

Professional Development (Selected)

2023 Participant, Association for Advancement of Sustainability in Higher Education (AASHE), Global Sustainability Across the Curriculum Program Development Support Group.

2023 Participant, Association for Advancement of Sustainability in Higher Education (AASHE), Introduction to the Ponderosa Model

2018-2019 Participant, Center for Advanced Teaching and Learning (CATLR) Teaching Inquiry Program, Northeastern University

2015-2016 Participant, Mutual Mentoring Advancement Program, Northeastern University

2013 Participant, *Teaching Socio-Environmental Synthesis Short Course (4 Days)*, National Socio-Environmental Synthesis Center (SESYNC), Annapolis, MD

Professional Society Affiliations: American Sociological Association
Society for Conservation Biology
American Fisheries Society