

Elizabeth Jane Mansfield

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My research broadly focuses on social-ecological systems, small-scale fisheries interactions, and the intersection of local ecological knowledge and scientific inquiry. Through interdisciplinary approaches I evaluate resilience, perceptions, and sustainability of small-scale fishing efforts from multiple lenses. I am passionate about community-based and cooperative approaches to management and policy development. My previous work has explored community understanding of change within a small-scale fishing cooperative and I strive for collaborative and collective research not only within the academic setting, but with the communities my work is centralized in. My previous training has provided opportunities in building connections within communities and trained me in various methods of scientific communication for different audiences and approaches to knowledge exchange between stakeholder groups and interested parties within fishing communities.

EDUCATION

Stanford University, Stanford, CA 2016 - 2022
PhD in Biology at the Hopkins Marine Station. Advisor: Fiorenza Micheli
Dissertation: "Multi-level Resilience of Small-Scale Fisheries in Baja California"

Duke University, Durham, NC 2012 - 2016
Bachelor of Science in Biology with a concentration in Marine Biology, Graduation with Distinction
Documentary Studies Certificate, Marine Science and Conservation Leadership Certificate

PROFESSIONAL APPOINTMENTS

Postdoctoral Scholar, St. Teresa, Florida August 2022 – Present
Research: Evaluation of Apalachicola Bay stakeholder perception of oyster reef restoration success and management
Florida State University Coastal and Marine Laboratory (Advisors: Sandra Brooke, Sarah Lester, Andrew Rassweiler)

PUBLICATIONS

Grewelle, RE, **Mansfield, E**, Micheli, F, De Leo, G. (2021) Redefining risk in data-poor fisheries. *Fish Fish*. 2021; 22: 929– 940

Greene, KM, JC Selgrath, TH Frawley, WK Oestreich, **EJ Mansfield**, J Urteaga, SS Swanson, FN Santana, SJ Green, J Naggea, & LB Crowder. (2021) How adaptive capacity shapes the Adapt, React, Cope Response to climate impacts: insights from small-scale fisheries. *Climate Change* 164:15.

Knight, CJ*, TLU Burnham*, **EJ Mansfield***, LB Crowder, & F Micheli. (2020) COVID-19 reveals vulnerability of small-scale fisheries to global market systems. *The Lancet Planetary Health* 4:e219. *indicates co-first authorship

Oestreich, WK, TH Frawley, **EJ Mansfield**, KM Green, SJ Green, J Naggea, JC Selgrath, SS Swanson, J Urteaga, TD White, & LB Crowder. (2019) The impact of environmental change on small-scale fishing communities: Moving beyond adaptive capacity to community response *in* Cisneros-Montemayor, AM, W Cheung, and Y Ota (ed). Predicting future oceans: Sustainability of social-ecological systems under climate change. Elsevier. New York, NY

PRESENTATIONS/POSTERS

Invited Speaker. September 2022. Multi-level resilience of small-scale fisheries in Baja California, Mexico. Seminar. Florida State University.

Mansfield EJ, R Grewelle, G De Leo, F Micheli. November 2021. Climate vulnerability assessment of economically important fishery species of Baja California, Mexico. Presentation. Western Society of Naturalists. Virtual.

Mansfield, EJ, E Gastelum, A Paz, M Bracamontes, F Micheli. November 2020. Technology Use, Information Sharing, and Access to Climate Change Knowledge in a Small-Scale Fishery of Baja California. Presentation. Western Society of Naturalists. Virtual.

Mansfield EJ, M Bracamontes, F Micheli. October 2019. A Report on the California Spiny Lobster Fishery of El Rosario, Baja California: Sublegal Bycatch Rate, Effort, and Catch Variance. Presentation. Western Society of Naturalists. Ensenada, Baja California, Mexico.

Invited Speaker June 2019. "1er Coloquio de Buceo Científico", Universidad Autónoma de Baja California.

Grewelle, R, **EJ Mansfield,** G De Leo, F Micheli. April 2019. Redefining Risk in Data Poor Fisheries. Poster. Ocean Visions. Atlanta, Georgia.

PROFESSIONAL ENGAGEMENT AND SKILLS

Memberships: Florida State University Postdoctoral Scholar Association, Western Society of Naturalists, MexCal Research Consortium, Monterey Area Research Institution's Network for Education, Stanford Oceans Network and Research, Graduate Coalition for Disabilities/Chronic Illness, American Academy of Underwater Scientists, Diver's Alert Network

Workshops: "Identification and adaption of socioeconomic principles and governance for the design of management of effective recuperation zones in the Pacific region of the peninsula of Baja California" (Invited, La Paz, BCS, MX 2019); "Biophysical principles for the design of replenishment zones in the Pacific region of the peninsula of Baja California" (Ensenada, BC, MX 2017); "Meeting on Integrated, Multitrophic Aquaculture" (Ensenada, BC, MX 2016)

Computer/ Lab Skills: Proficiency with Microsoft Office, R Studio, ArcGIS, miniDOT software, database organization and management, scanning electron microscope operation

Field Skills: AAUS Scientific Diver, PADI Rescue Diver, First Aid/CPR Certified, oceanographic sensor deployment, on-board fisheries observations, semi-structure interview development and execution

Languages (written and spoken): English (Native), Spanish (Fluent)