



Danielle Elaine Haulsee

Research Scientist
Biology

Bio

BIO

Danielle Haulsee's interests include combining innovative technology and oceanographic remote sensing techniques with the biogeography and movement of marine species. She received her B.S. in Environmental Science from Gettysburg College in 2010 and her Ph.D. from the University of Delaware in 2017. At the University of Delaware she worked as a Ph.D. student and post-doctoral researcher with Dr. Matthew Oliver in the ORB Lab, focusing her research on threatened Sand Tiger sharks and endangered Atlantic Sturgeon. She used statistical models to quantify the habitat preferences, migratory behavior, and social dynamics of these species of interest. She has joined the Crowder Lab to work on a project tagging and tracking billfish off the coast of Costa Rica, Project DynaMAR (www.projectdynamar.com). Danielle will combine billfish locations from satellite tags with remotely sensed and modeled oceanographic data to predict billfish distribution in a changing climate.

ACADEMIC APPOINTMENTS

- Basic Life Science Research Associate, Biology

LINKS

- Personal Website: <https://daniellehaulsee.wixsite.com/website/>

Publications

PUBLICATIONS

- **Where do the billfish go? Using recreational catch data to relate local and basin scale environmental conditions to billfish occurrence in the Eastern Tropical Pacific** *FISHERIES OCEANOGRAPHY*
Haulsee, D. E., Blondin, H. E., Logan, R. K., Crowder, L. B.
2021
- **A satellite-based mobile warning system to reduce interactions with an endangered species.** *Ecological applications : a publication of the Ecological Society of America*
Breece, M. W., Oliver, M. J., Fox, D. A., Hale, E. A., Haulsee, D. E., Shatley, M., Bograd, S. J., Hazen, E. L., Welch, H.
2021: e2358
- **Promoting equity in scientific recommendations for high seas governance** *One Earth*
Chapman, M. S., Oestreich, W. K., Frawley, T. H., Boettiger, C., Diver, S., Santos, B. S., Scoville, C., Armstrong, K., Blondin, H., Chand, K., Haulsee, D. E., Knight, C. J., Crowder, et al
2021; 4 (6): 790-794
- **Simple is sometimes better: a test of the transferability of species distribution models** *ICES JOURNAL OF MARINE SCIENCE*
Haulsee, D. E., Breece, M. W., Fox, D. A., Oliver, M. J.
2020; 77 (5): 1752-61
- **Comparative migration ecology of striped bass and Atlantic sturgeon in the US Southern mid-Atlantic bight flyway.** *PloS one*

Rothermel, E. R., Balazik, M. T., Best, J. E., Breece, M. W., Fox, D. A., Gahagan, B. I., Haulsee, D. E., Higgs, A. L., O'Brien, M. H., Oliver, M. J., Park, I. A., Secor, D. H.
2020; 15 (6): e0234442

- **Spatial ecology of *Carcharias taurus* in the northwestern Mid-Atlantic coastal ocean** *MARINE ECOLOGY PROGRESS SERIES*
Haulsee, D. E., Breece, M. W., Brown, L. M., Wetherbee, B. M., Fox, D. A., Oliver, M. J.
2018; 597: 191–206
- **Satellite driven distribution models of endangered Atlantic sturgeon occurrence in the mid-Atlantic Bight** *ICES JOURNAL OF MARINE SCIENCE*
Breece, M. W., Fox, D. A., Haulsee, D. E., Wirgin, I. I., Oliver, M. J.
2018; 75 (2): 562–71
- **Factors affecting detection efficiency of mobile telemetry Slocum gliders** *Animal Biotelemetry*
Oliver, M. J., Breece, M. W., Haulsee, D. E., Kohut, J., Cimino, M. A., Aragon, D., Fox, D. A.
2017; 5 (14)
- **Social Network Analysis Reveals Potential Fission-Fusion Behavior in a Shark** *SCIENTIFIC REPORTS*
Haulsee, D. E., Fox, D. A., Breece, M. W., Brown, L. M., Kneebone, J., Skomal, G. B., Oliver, M. J.
2016; 6: 34087
- **Separation anxiety: mussels self-organize into similar power-law clusters regardless of predation threat cues** *MARINE ECOLOGY PROGRESS SERIES*
Commito, J. A., Gownaris, N. J., Haulsee, D. E., Coleman, S. E., Beal, B. F.
2016; 547: 107–19
- **Implantation and Recovery of Long-Term Archival Transceivers in a Migratory Shark with High Site Fidelity** *PLOS ONE*
Haulsee, D. E., Fox, D. A., Breece, M. W., Clauss, T. M., Oliver, M. J.
2016; 11 (2)
- **Habitat selection of a coastal shark species estimated from an autonomous underwater vehicle** *MARINE ECOLOGY PROGRESS SERIES*
Haulsee, D. E., Breece, M. W., Miller, D. C., Wetherbee, B. M., Fox, D. A., Oliver, M. J.
2015; 528: 277–88
- **Shrinking the Haystack: Using an AUV in an Integrated Ocean Observatory to Map Atlantic Sturgeon in the Coastal Ocean** *FISHERIES*
Oliver, M. J., Breece, M. W., Fox, D. A., Haulsee, D. E., Kohut, J. T., Manderson, J., Savoy, T.
2013; 38 (5): 210–16