



## 2022 Cooperative Oxford Laboratory

Peer-reviewed Publications

Barrett, L.T., S.J. Theuerkauf, J.M. Rose, H.K. Alleway, S.B. **Bricker**, M. Parker, D.R. Petrolia, and R.C. Jones. 2022. Sustainable growth of non-fed aquaculture can generate valuable ecosystem benefits. *Ecosystem Services* 53: 101396. <https://doi.org/10.1016/j.ecoser.2021.101396>

Bell, D.W., S.B. **Bricker**, C. Kinkade, and E.S. Darrow. 2022. Bivalve shellfish aquaculture in the National Estuarine Research Reserves: Assessing current activities, relevant policy, and engagement approaches. *Coastal Management* 50(5): 419-441. <https://doi.org/10.1080/08920753.2022.2082857>

Boyer, J., K. Rubalcava, S. Booth, and H. **Townsend**. 2022. Proof-of-concept model for exploring the impacts of microplastics accumulation in the Maryland Coastal bays Ecosystem. *Ecological Modelling* 465: 109849. <https://doi.org/10.1016/j.ecolmodel.2021.109849>

Dickey-Collas, M., J.S. Link, P. Snelgrove, J.M. Roberts, M.R. Anderson, E. Kenchington, A. Bundy, M.M. Brady, R.L. Shuford, H. **Townsend**, A. Rindorf, M.A. Rudd, D. Johnson, M. Rae, and E. Johannesen. 2022. Exploring ecosystem-based management in the North Atlantic. *Journal of Fisheries Biology* 101(2): 342-350. <https://doi:10.1111/jfb.15168>

**Ellett**, A.N., D. Rosales, J.M. **Jacobs**, R. Paranjpye, and S. Parveen. 2022. Growth rates of *Vibrio parahaemolyticus* sequence type 36 strains in live oysters and in culture medium. *Microbiology Spectrum* 10(6): 02112-22. <https://doi.org/10.1128/spectrum.02112-22>

Fleming, C.S., S.B. Gonyo, A. **Freitag**, and T.L. Goedeke. 2022. Engaged minority or quiet majority? Social intentions and actions related to offshore wind energy development in the United States. *Energy Research & Social Science* 84: 102440. <https://doi.org/10.1016/j.erss.2021.102440>

**Freitag**, A., S. Blake, P.M. Clay, A.C. Haynie, C. Kelble, M. Jepson, S. Kasperski, K.M. Leong, J.H. Moss, and S.D. Regan. 2022. Scale matters: Relating wetland loss and commercial fishing activity across spatial scales. *Nature and Culture* 17(2): 144-169. <https://doi.org/10.3167/nc.2022.170202>

**Freitag**, A., H. Burkart, C.S. Fleming, and S.D. Regan. 2022. Creating a quantitative, ecosystem-service-based index of nature in the highly urbanized and arid Los Angeles County. *EFB: Urban Analytics and City Science* 49(1): 304-320. <https://doi.org/10.1016/j.marpol.2019.01.003>

**McLaughlin**, S.M. 2020. In Memoriam – Carl James Sindermann (1922-2019). *Journal of Shellfish Research* 40(1): 1-7. <https://doi.org/10.2983/035.40.0101>

**Pirhalla**, D.E., C.C. Lee, S.C. Sheridan, V. **Ransibrahmanakul**. 2022. Atlantic coastal sea level variability and synoptic-scale meteorological forcing. *Journal of Applied Meteorology and Climatology*

61(3): 205-222. <https://doi.org/10.1175/JAMC-D-21-0078.s1>

Rosales, D., A. **Ellett**, J. **Jacobs**, G. Ozbay, S. Parveen, and J. Pitula. 2022. Investigating the relationship between nitrate, total dissolved nitrogen, and phosphate with abundance of pathogenic vibrios and harmful algal blooms in Rehoboth Bay, Delaware. *Applied and Environmental Microbiology* 88(14): <https://doi.org/10.1128/aem.00356-22>

Schwarzmann, D., A. **Freitag**, D. Dorfman, D. Records, and M. Walz. 2022. Updating the Florida Keys National Marine Sanctuary management plan: Estimating the impact to commercial fishing in Monroe County, Florida. *Water* 14: 290. <https://doi.org/10.3390/w140302290>

Secor, D.H., M.H.P. O'Brien, N. Coleman, A. Horne, I. Park, D.C. Kazyak, D.G. **Bruce**, and C. Stence. 2022. Atlantic sturgeon status and movement ecology in an extremely small spawning habitat: The Nanticoke River-Marshyhope Creek, Chesapeake Bay. *Reviews in Fisheries Science and Aquaculture* 30(2): 195-214. <https://doi.org/10.1080/23308249.2021.1924617>

**Spires**, J.E. and E.W. North. 2022. Marking the shells of juvenile and adult Eastern oysters, *Crassostrea virginica*, with the fluorochrome dye calcein and measuring growth and mortality after marking. *Journal of Molluscan Studies* 88(1): eyac004. <https://doi.org/10.1093/mollus/eyac004>

**Spires**, J.E., C.F. Dungan, and E.W. North. 2022. Marking the shells of pediveliger Eastern oysters, *Crassostrea virginica*, with a calcein fluorochrome dye. *Journal of Shellfish Research* 40(3): 479-487. <https://doi.org/10.2983/035.040.0304>

Wolny, J.L., C.B. **McCollough**, D.S. **Rosales**, and J.S. Pitula. 2022. Harmful algal bloom species in the St. Martin River: surveying the headwaters of the northern Maryland coastal bays. *Journal of Coastal Research* 38(1): 86-98. <https://doi.org/10.2112/JCOASTRES-D-21-00044.1>