



2019 Cooperative Oxford Laboratory

Peer-reviewed Publications

Capotondi, A., M. Jacox, C. Bowler, M. Kavanaugh, P. Lehodey, D. Barrie, S. Brodie, S. Chaffron, W. Cheng, D.F. Dias, D. Eveillard, L. Guidi, D. Iudicone, N.S. Lovenduski, J.A. Nye, I. Ortiz, D. **Pirhalla**, M. Pozo Buil, V. Saba, S. Sheridan, S. Siedlecki, A. Subramanian, C. de Vargas, E. Di Lorenzo, S.C. Doney, A.J. Hermann, T. Joyce, M. Merrifield, A.J. Miller, F. Not, and S. Pesant. 2019. Observational needs supporting marine ecosystems modeling and forecasting: From the global ocean to regional and coastal systems. *Frontiers in Marine Science* 6: 623. <https://doi.org/10.3389/fmars.2019.00623>

Davis, B.J., J. **Jacobs**, B. Zaitchik, A. DePaola, and F.C. Curriero. 2019. *Vibrio parahaemolyticus* in the Chesapeake Bay: Operational *in situ* prediction and forecast models can benefit from inclusion of lagged water quality measurements. *Applied and Environmental Microbiology* 85(17): e01007-19. <https://doi.org/10.1128/aem.01007-19>

Densmore, C.L., D.D. Iwanowicz, S.M. **McLaughlin**, C.A. Ottinger, J.E. **Spires**, and L.R. Iwanowicz. 2019. Influenza A virus detected in native bivalves in waterfowl habitat of the Delmarva Peninsula, USA. *Microorganisms* 7(9): 334. <https://doi.org/10.3390/microorganisms7090334>

Freitag, A., J. Vasslides, and H. **Townsend**. 2019. Are you thinking what I'm thinking? A conceptual approach to understand stakeholders' assessments of the fate of Chesapeake oysters. *Marine Policy* 99: 99-110. <https://doi.org/10.1016/j.marpol.2018.10.011>

Kvit, A., B. Davis, J. **Jacobs**, and F.C. Curriero. 2019. Adjusted, non-Euclidean cluster detection of *Vibrio parahaemolyticus* in the Chesapeake Bay, USA. *GeoSpatial Health* 14: 783. <https://doi.org/10.408/gh.2019.783>

Matsche, M. A., V. S. Blazer and P. M. Mazik. 2019. Comparisons of stereological and other approaches for quantifying macrophage aggregates in piscine spleens. *Journal of Aquatic Animal Health* 31(4): 328-348. <https://doi.org/10.1002/aah.10086>

Matsche, M.A., V.S. Blazer, and P.M. Mazik. 2019. Seasonal development of the coccidian parasite *Goussia bayae* and hepatobiliary histopathology in the white perch *Morone americana* from Chesapeake Bay. *Diseases of Aquatic Organisms* 134(2): 113-135. <https://doi.org/10.3354/dao03353>

Matsche, M.A., C.R. Adams, and V.S. Blazer. 2019. Newly described Coccidia *Goussia bayae* from white perch *Morone americana*: Morphology and phylogenetics support emerging taxonomy of *Goussia* within piscine hosts. *Journal of Parasitology* 105(1): 1-10. <https://doi.org/10.1645/18-67>

Sheridan, S.C., C.C. Lee, R.E. Adams, E.T. Smith, D.E. **Pirhalla**, and V. **Ransibrahmanakul**. 2019. Temporal modeling of anomalous coastal sea level values using synoptic climatological

coastalscience.noaa.gov/about/facilities/oxford

patterns. JGR Oceans 124: 015421. <https://doi.org/10.1029/2019JC015421>

Townsend, H., C.J. Harvey, Y. deReynier, D. Davis, S.G. Zador, S. Gaichas, M. Weijerman, E.L. Hazen, and I.C. Kaplan. 2019. Progress on implementing ecosystem-based fisheries management in the United States through the use of ecosystem models and analysis. *Frontiers in Marine Science* 6: 1-17. <https://doi.org/10.3389/fmars.2019.00641>

Turner, P.J., A.D. Thaler, A. **Freitag**, and P.C. Collins. 2019. Deep-sea hydrothermal ecosystem principles: Identification of ecosystem processes, services, and communication of value. *Marine Policy* 101: 118-124. <https://doi.org/10.1016/j.marpol.2019.01.003>