

Annotated “Living” Reference List of PAM studies

Suggest putting references under subheadings relating to topical areas of study

“Big data” reviews

(*Open access)

- *Kowarski, KA, Moors-Murphy, H. A review of big data analysis methods for baleen whale passive acoustic monitoring. *Mar Mam Sci.* 2021; 37: 652–673. <https://doi.org/10.1111/mms.12758>
- Fleishman, E., Cholewiak, D., Gillespie, D., Helble, T., Klinck, H., Nosal, E.-M. and Roch, M.A. (2023), Ecological inferences about marine mammals from passive acoustic data. *Biol Rev*, 98: 1633-1647. <https://doi.org/10.1111/brv.12969>
- Wall, C.C., Haver, S.M., Hatch, L.T., Miksis-Olds, J., Bochenek, R., Dziak, R.P. and Gedamke, J., 2021. The next wave of passive acoustic data management: How centralized access can enhance science. *Frontiers in Marine Science*, 8, p.703682. <https://doi.org/10.3389/fmars.2021.703682>

Automatic detection methodology

- Bohnenstiehl, D. R. (2023). Automated cataloging of oyster toadfish (*Opsanus tau*) boatwhistle calls using template matching and machine learning. *Ecological Informatics*, 77, 102268. <https://doi.org/10.1016/j.ecoinf.2023.102268>
- Bohnenstiehl, D. R. (2023). Automated cataloguing of American silver perch (*Bairdiella chrysoura*) calls using machine learning, *Bioacoustics*, 32:4, 453-473, DOI: [10.1080/09524622.2023.2197863](https://doi.org/10.1080/09524622.2023.2197863)
- Oswald, J.N., and M. Oswald. 2013. ROCCA (Real-time Odontocete Call Classification Algorithm) User’s Manual. Submitted to HDR Environmental, Operations and Construction, Inc. Norfolk, Virginia under Contract No. CON005-4394-009, Subproject 164744, Task Order 03, Agreement # 105067. Prepared by Bio-Waves, Inc., Encinitas, California
- Oswald JN, Rankin S, Barlow J, Lammers MO. A tool for real-time acoustic species identification of delphinid whistles. *J Acoust Soc Am*. 2007 Jul;122(1):587-95. doi: 10.1121/1.2743157. PMID: 17614515.
- Rankin, S., Archer, F., Keating, J.L., Oswald, J.N., Oswald, M., Curtis, A. and Barlow, J. (2017), Acoustic classification of dolphins in the California Current using whistles, echolocation clicks, and burst pulses. *Mar Mam Sci*, 33: 520-540. <https://doi.org/10.1111/mms.12381>

Soundscape characterization

- Sound patterns of snapping shrimp, fish, and dolphins in an estuarine soundscape of the southeastern USA ([Inter Research » MEPS » v609 » p49-68 \(int-res.com\)](https://www.int-res.com/reports/meeps/v609/p49-68/))

- Sound characterization and fine-scale spatial mapping of an estuarine soundscape in the southeastern USA ([Inter Research » MEPS » v645 » p1-23](#))
- [The Biological and Anthropogenic Soundscape of an Urbanized Port – the Charleston Harbor Estuary, South Carolina, USA | PLOS ONE](#)
- Bohnenstiehl DR, Lillis A, Eggleston DB (2016) The Curious Acoustic Behavior of Estuarine Snapping Shrimp: Temporal Patterns of Snapping Shrimp Sound in Sub-Tidal Oyster Reef Habitat. PLoS ONE 11(1): e0143691.
<https://doi.org/10.1371/journal.pone.0143691>
- Lillis A, Eggleston DB, Bohnenstiehl DR (2014) Estuarine soundscapes: distinct acoustic characteristics of oyster reefs compared to soft-bottom habitats. Mar Ecol Prog Ser 505:1-17. <https://doi.org/10.3354/meps10805>
- Van Hoeck, R. V., Paxton, A. B., Bohnenstiehl, D. R., Taylor, J. C., Fodrie, F. J., and Peterson, C. H.. 2021. Passive acoustic monitoring complements traditional methods for assessing marine habitat enhancement outcomes. *Ecosphere* 12(11):e03840. [10.1002/ecs2.3840](https://doi.org/10.1002/ecs2.3840)
- Van Hoeck RV, Paxton AB, Bohnenstiehl DR, Taylor JC and others (2020) Soundscapes of natural and artificial temperate reefs: similar temporal patterns but distinct spectral content. Mar Ecol Prog Ser 649:35-51. <https://doi.org/10.3354/meps13434>