

Resume

Rodney A. Rountree

Marine Biologist

EDUCATION

Ph.D., Ecology and Evolution, Rutgers, the State University of New Jersey, 1992

M.S., Marine Biology, College of Charleston, Charleston Higher Education Consortium, Charleston, South Carolina, 1987

B.S. (with Honors), Marine Biology, University of North Carolina at Wilmington, 1983

EXPERIENCE OVERVIEW

Dr. Rountree has over 30 years of experience as a professional marine ecologist. He has managed multidisciplinary estuarine and fisheries programs for the National Marine Fisheries Service and University of Massachusetts. He is a recognized international leader in the development of passive acoustic technology applications to fisheries and marine exploration. Dr. Rountree has published over 60 papers and reports with over 1900

citations. His work has been chronicled in the New York Times, NPR, Discover Magazine, and on-line. Dr. Rountree has maintained a popular web site at <http://www.fishecology.org> since 1998 which provides important raw data, analyses and research descriptions and targets academics and resource management professionals, as well as graduate and undergraduate students. An effort is also made to present some information in laymen format.

SELECTED EXPERIENCE

Senior Ecologist, Founder, The Fish Listener. Dr. Rountree founded a small consulting firm to conduct research on marine and freshwater soundscape ecology. November 2016-present

Adjunct Associate Professor, Department of Biology, University of Victoria, BC, Canada. Research affiliate working in the laboratory of Francis Juanes on various passive acoustic projects, including study of deep-sea fish sounds from the Neptune, Venus and other underwater observatories. Jan 2019 to present.

Research Associate and Program Manager for the Mount Hope Bay Estuarine Laboratory and the Fisheries Observation Program at the School for Marine Science and Technology, UMass Dartmouth. November 2002 – 2005.

Acting Chief, Food Chain Dynamics Investigation, Woods Hole Laboratory, Northeast Fisheries Science Center, NOAA, NMFS, Woods Hole, Massachusetts. Dr. Rountree conducted a major overhaul of the FCDI data archives, and was responsible for supervising research activities of 9 staff in extensive annual monitoring and hypothesis driven research projects. November 1995-November 1997.

SELECTED PUBLICATIONS

Rountree, R.A., G.R. Gilmore, C. Goudey, T. Hawkins, J. Luczkovich, and D. Mann. 2006. **Listening to Fish: Applications of Passive Acoustics to Fisheries Science**. Fisheries 31(9):433-446.

Rountree, R.A., and K.W. Able. 2007. **Spatial and temporal habitat use patterns for salt marsh nekton: implications for functions**. Aquatic Ecology 41:25-45.

Rountree, R.A., Francis Juanes, Clifford A. Goudey and Kenneth E. Ekstrom. 2012. **Is biological sound production important in the deep sea?** Pp. 181-183. In: The Effects of Noise on Aquatic Life.

Rountree, R.A., F. Juanes, and M. Bolgan. 2018. **Air movement sound production by alewife, white sucker, and four salmonid fishes suggests the phenomenon is widespread among freshwater fishes**. PLoS ONE 13(9): e0204247. <https://doi.org/10.1371/journal.pone.0204247>.

Rountree R.A., Bolgan M. & Juanes F. 2019. **How Can We Understand Freshwater Soundscapes Without Fish Sound Descriptions?** Fisheries <https://doi.org/10.1002/fsh.10190>

Rodney A. Rountree, Jacopo Aguzzi, Simone Marini, Emanuela Fanelli, Fabio C. De Leo, Joaquin Del Rio and Francis Juanes. 2020. **Towards an Optimal Design for Ecosystem Level Ocean Observatories**. Oceanography and Marine Biology - An Annual Review Vol. 58:76-106.