

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 25 years experience as a marine biologist specializing in estuarine and coastal ecology, but has recently begun working in aquatic environments (Amazon and New England Rivers). 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. His work has been chronicled in the New York Times, local newspapers, NPR, Discover Magazine, and on-line. Dr. Rountree has maintained a popular web site at <http://www.fishecology.org> since 1998 which provides information and data to both professionals and laymen.

SELECTED EXPERIENCE

Adjunct Assistant Professor, Graduate Faculty Status, Department of Natural Resources and Conservation, School of Food and Natural Resources, University of Massachusetts at Amherst. Sept 1993 – December 2014.

Board of Directors, The River Project. Nonprofit urban environment education group on the Hudson River in New York City. 2007-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

MacDonald, D., and R.A. Rountree. (Editors). (2006). **Natural and Anthropogenic Influences on the Mount Hope Bay Ecosystem.** Northeast Naturalist 13(special issue 4).

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., and G.R. Sedberry. 2009. **A theoretical model of shoaling behavior based on a consideration of patterns of overlap among the visual fields of individual members.** Acta Ethologica 12:61-70. **one of the 10 most downloaded articles*

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.

Burchard, K.A., F. Juanes, and R.A. Rountree. 2014. **Diel reproductive periodicity of *Melanogrammus aeglefinus* in the southwestern Gulf of Maine.** Transactions of the American Fisheries Society 143(2):451-466.