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EDUCATION

Humboldt State University, Fisheries, B.S.1984

University of Washington, Fish. Research Institute, Fisheries, M.S.1989

University of New Hampshire, Zoology, Ph.D.1996

WORK EXPERIENCE

Director, Center for Marine and Environmental Studies and MacLean Marine Science Center, University of the Virgin Islands. St. Thomas, 1999–present.

Assistant Research Professor, Eastern Carib. Center, U. Virgin Islands, 1997-1999.

Resident Director, Hofstra University Marine Lab, Priory, Jamaica, 1996-1997.

Predoctoral Fellow, Zoology Dept., Univ. of New Hampshire, Durham, NH 1995-1996.

Research Assistant, Zoology Dept., Univ. of New Hampshire, Durham, NH 1991-1995.

Fishery Biologist II, Fisheries Research Inst., U. of Washington, Seattle, WA 1989-91.

Fishery Consultant, Biosonics Inc. Seattle, WA, 1988.

Research Assistant, Fisheries Research Inst., U. of Washington, Seattle, WA 1986-1988.

Fishery Technician, California Fish and Game Dept. Half Moon Bay, CA 1984-1985.

Hatchery Worker, Humboldt State University, Arcata, CA 1982-1984.

PUBLICATIONS

Nemeth, R.S (2004) Linking larval history to juvenile demography in the bicolor damselfish. (Perciformes: Pomacentridae). Revista de Biologia Tropical. (in press).

Whiteman, E.A., C.A. Jennings, R.S. Nemeth (2004) Sex structure and potential female fecundity in a red hind (*Epinephelus guttatus*) spawning aggregation: applying ultrasonic imaging. Journal of Fish Biology (in press).

Nemeth, R.S (2004) Population characteristics of a recovering US Virgin Islands red hind spawning aggregation following protection. Marine Ecology Progress Series 284:(in press).

Nemeth, R.S. and A. Quandt (2004) Differences in fish assemblage structure following the establishment of the Marine Conservation District, St. Thomas U. S. Virgin Islands. Proceedings of the 56th Gulf and Caribbean Fisheries Institute. Tortola, BVI. (in press)

Turner J.W., R. Nemeth and C. Rogers. 2003. Measurement of fecal glucocorticoids in parrotfishes to assess stress. General and Comparative Endocrinology. 133:341-352.

Nemeth, R.S., A. Quandt, L. Requa, P. Rothenberger and M. Taylor. (2003). A rapid assessment of coral reefs in the Virgin Islands (Part 1: stony corals and algae). *Atoll Res. Bull.* 496: 544-565.

Nemeth, R.S., L.D. Whaylen and C. Pattengill-Semmens. (2003). A rapid assessment of coral reefs in the Virgin Islands (Part 2: fishes). *Atoll Res. Bull.* 496: 566-589.

Nemeth, R.S. and J. Sladek Nowlis. (2001) Monitoring the effects of land development on the near-shore reef environment. *Bull. Mar. Sci.* 69(2):759-775.

Nemeth, R.S. (1998) The effect of natural variation in substrate architecture on the survival of juvenile bicolor damselfish. *Environ. Biol. Fishes.* 53:129-141.

Tolimieri, N., P.F. Sale, R.S. Nemeth, K.B. Gestring. (1998) Replenishment of populations of Caribbean reef fishes: are spatial patterns of recruitment consistent through time? *J. Exp. Mar. Biol. Ecol.* 230:55-71.

Catanzaro, D., C. Rogers, Z. Hillis-Starr, R. Nemeth and M. Taylor. (2002) Status of coral reefs in the U.S. Virgin Islands. In: D. Turgeon, et al. *The Status of coral reef ecosystems of the United States and Pacific Freely Associated States: 2002*. National Oceanographic and Atmospheric Administration/ National Ocean Service/ National Centers for Coastal Ocean Science, Silver Springs, MD. 265 pp.

Nemeth, R.S. (1997) Spatial patterns of bicolor damselfish populations in Jamaica and St. Croix are determined by similar post-settlement processes. *Proc. 8th. Int. Coral Reef Symp.* 1:1017-1022.

PAPERS SUBMITTED

Nemeth, R.S., E. Kadison, S. Herzlieb, J. Blondeau and E. Whiteman. (submitted) Status of a yellowfin (*Mycteroperca venenosa*) and Nassau (*Epinephelus striatus*) grouper spawning aggregation in the US Virgin Islands with notes on other species. *Proceedings of the 56th Gulf and Caribbean Fisheries Conference*. Tortola, British Virgin Islands. Nov. 10-14, 2003

Herzlieb, S., E. Kadison, J. Blondeau and R.S. Nemeth (submitted) Comparative assessment of coral reef systems located along the insular platform of St. Thomas, US Virgin Islands and the Relative Effects of Natural and Human Impacts. *Proceedings of the 10th International Coral Reef Symposium*. Okinawa Japan.

Nemeth, R.S., S. Herzlieb and J. Blondeau. (submitted) Comparison of two seasonal closures for protecting red hind spawning aggregations in the US Virgin Islands. *Proceedings of the 10th International Coral Reef Symposium*. Okinawa Japan.

Nemeth, R.S. and A. Quandt (in press) Differences in fish assemblage structure following the establishment of the Marine Conservation District, St. Thomas, U. S. Virgin Islands. *Proceedings of the 56th Gulf and Caribbean Fisheries Conference*. Tortola, British Virgin Islands. Nov. 10-14, 2003.

Nemeth, R.S. (in review) Linking larval history to juvenile demography in the bicolor damselfish (Perciformes: Pomacentridae). *Revista De Biologia Tropical*.

Watson, M. and R.S. Nemeth. (in revision) Spatial and temporal distribution patterns of coral reef fish larvae in the Virgin Islands archipelago. *Environmental Biology of Fishes*.

RESEARCH ACTIVITIES

As Director of the Center for Marine and Environmental Studies I have focused the department on applied fisheries and habitat conservation research. This has lead to considerable grant funding to examine the importance of marine protected areas in rebuilding fish stocks, the biology and habitat use of grouper and snapper spawning aggregations, the effects of fish nursery habitats on fisheries productivity and the impact of human activities on fisheries habitats. Grant funding has been received from NOAA, NMFS, NIH, NSF, and Sea Grant.

PROFESSIONAL ACTIVITIES

Scientific advisor to the St. Thomas/St. John Fisheries Advisory Committee and the Caribbean Fisheries Management Council. Member of the Association of Marine Laboratories of the Caribbean, American Fisheries Society, Ecological Society of America, Society for the Conservation of Reef Fish Aggregations, Divers Alert Network.