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Haskin Shellfish Research Laboratory
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Education

- Ph.D. Marine Science (Fisheries and Marine Resource Management). 1989. Virginia Institute of Marine Science, School of Marine Science, The College of William and Mary, Gloucester Point, Virginia
M.S. Biology (Aquatic Ecology). 1981. East Stroudsburg University, East Stroudsburg, Pennsylvania
B.A. Biology. 1977. Vassar College, Poughkeepsie, New York

Positions Held

Marine Scientist, Lecturer. Institute of Marine and Coastal Sciences, Haskin Shellfish Research Laboratory, Rutgers University. May 2000-present. Work directly with commercial and recreational fishing industries of New Jersey and the Mid-Atlantic region. Conduct applied research and assist the industries with fisheries management issues and problems. Key projects include socioeconomic and catch and effort study of fishing tournaments in New Jersey, evaluation of size and bag limits in the recreational summer flounder party boat fishery, fine-scale spawning habitat delineation for winter flounder using telemetry, development of an outreach program to Hispanic community in Newark Bay Complex on consuming contaminated finfish and shellfish, an industry-based Mid-Atlantic supplemental finfish survey, improving the accuracy of length and weight information for the angling category Atlantic bluefin tuna fishery, *Loligo* net testing study to reduce bycatch in the offshore *Loligo* trawl fishery, and work with the NFI-Scientific Monitoring Committee to manage the research set-aside program.

Associate Director/Extension Program Director New Jersey Sea Grant College Program. Ft. Hancock, NJ. March 1999 – April 2000.

Adjunct Professor. Cook College, Rutgers University. March 1999 - 2000.

Marine Recreation (Fisheries and Boating) Agent. New Jersey Sea Grant Extension Program/Rutgers Cooperative Extension. Rutgers University. Toms River, NJ. October 1990 - February 1999.

Environmental Scientist. Louis Berger & Associates Inc. East Orange, NJ. 1989 - 1990.

Fisheries Technician. New Jersey Division of Freshwater Fisheries. Rosemont, NJ. 1979. Tagging and population estimate of American shad in the Delaware River.

Selected Refereed Journal Articles

Bochenek, E.A., E.N. Powell, and J. DePersenaire. (submitted). Evaluating catch, effort, and bag limits on summer flounder directed trips in the recreational summer flounder party boat fishery.

Powell, E.N., A.J. Bonner, S.E. King and E.A. Bochenek. 2006. Survey augmentation using commercial vessels in the Mid-Atlantic Bight: sampling density and relative catchability. *J. Applied Ichthol.* 22 :471-488.

Bochenek, E.A., E.N. Powell, A.J. Bonner and S.E. Banta. 2005. Assessment of scup (*Stenotomus chrysops*) and black sea bass (*Centropristis striata*) discards in the directed otter trawl fisheries in the Mid-Atlantic Bight. *Fishery Bulletin* 103:1-14.

Powell, E.N., E.A. Bochenek, J.M. Klinck, and E.E. Hofmann. 2004. Influence of short-term variations in food on survival of *Crassostrea gigas* larvae: A modeling study. *J. Mar. Res.* 62:117-152.

Powell, E.N., A.J. Bonner, B. Muller and E.A. Bochenek. 2004. Assessment of the effectiveness of scup bycatch-reduction regulations in the *Loligo* squid fishery. *J. of Environmental Management* 71:155-167.

Hofmann, E.E., E.N Powell, E.A. Bochenek, and J.M. Klinck. 2004. A modeling study of the influence of environment and food supply on survival of *Crassostrea gigas* larvae. *ICES J. Mar. Sci* 61(4):596-616.

Powell, E.N., A.J. Bonner, B.M. Muller and E.A. Bochenek. 2003. Vessel Time Allocation In The U.S. *Illlex illecebrosus*. *Fishery. Fisheries Research* 61:35-55.

Burger, J., M.H. McDermott, C. Chess, E. Bochenek, M. Perez-Lugo, and K.K. Pflugh. 2003. Evaluating risk communication about fish consumption advisories: a brochure versus classroom efficacy in Spanish and English. *Risk*

Analysis 23 (4):791-803.

McDermott, M.H., C Chess, M. Lugo, K. Pflugh, E. Bochenek, and J. Burger. 2003. Communicating a complex message to the population most at risk: an outreach strategy for fish consumption advisories. *Applied Environmental Education and Communication* 2:39-48.

Powell, E.N., E.A. Bochenek, J.M. Klinck and E.E. Hofmann. 2002. Influence of food quality and quantity on the growth and development of *Crassostrea gigas* larvae: a modeling approach. *Aquaculture* 210:89-117.

Zimmerman, S.R. and E.A. Bochenek. 2002. Evaluation of the effectiveness of circle hooks in New Jersey's recreational summer flounder fishery. Extended Abstract. In J.A. Lucy and A.L. Studholme (editors). *Catch and Release in Marine Recreational Fisheries*. American Fisheries Society Symposium 30. Proceedings of the Symposium, National Symposium on Catch and Release in Marine Recreational Fisheries, Virginia Beach, Va. 1999. 106-109p.

Bochenek, E.A., J.M. Klinck, E.N. Powell and E.E. Hofmann. 2001. A biochemically-based model of the growth and development of *Crassostrea gigas* larvae. *J. Shellfish Res.* 20(1):243-265.

Selected Publications

Bochenek, E.A., E.N. Powell, J. DePersenaire, and S.E. King. 2008. Evaluating catch, effort, and bag limits on summer flounder directed trips in the recreational summer flounder party boat fishery. Part 1. Final Report to the Mid-Atlantic Research Set-Aside Program. 30p.

Bochenek, E.A., J. DePersenaire, and E.N. Powell. 2008. Recall bias in and angler preferences for experimental bag and size limit scenarios in recreational summer flounder party boat trips. Part 2. Final Report to the Mid-Atlantic Research Set-Aside Program. 30p.

E.N. Powell, E.A. Bochenek, J. DePersenaire, and S.E. King. 2008. Injury frequency for discarded summer flounder (*Paralichthys dentatus*) in the recreational fishery of the Mid-Atlantic Bight: influence of landing size regulations. Part 3. Final Report to the Mid-Atlantic Research Set-Aside Program. 34p.

Grothues, Thomas M., Beth A. Phelan, and Eleanor A. Bochenek. 2008. Telemetry of spawning winter flounder, *Pseudopleuronectes americanus*, in a New Jersey estuary. Final Report to the I Boat New Jersey Grant Program of the New Jersey Department of Transportation, Office of Maritime Resources. 28p.

King, S.N., E.N. Powell, and E.A. Bochenek. 2007. An evaluation of codend mesh selectivity in the *Loligo pealei* directed-fishery, a commercial-scale test. Final Report submitted to the Mid-Atlantic Research Set-Aside Program. 36p.

Bochenek E.A., E.N. Powell, and H.A. Diviney. 2004. A Pilot Industry-based Monkfish Gillnet Survey Off The Northeast Coast of the United States. Final project report to Massachusetts Division of Marine Fisheries. 22p.

McCay, B.J., B. Oles, B. Stoffle, E. Bochenek, K. St.Martin, G.Graziosi, T. Johnson, and J. Lamarque. 2002. Social Impact Assessment, Amendment 9, Squid, Atlantic Mackerel, and Butterfish FMP. A Report to the Mid-Atlantic Fishery Management Council. The Fisheries Project, Rutgers the State University, New Brunswick, New Jersey, June 27, 2002.

McCay, B.J., B. Oles, B. Stoffle, E. Bochenek, K. St.Martin, G.Graziosi, T. Johnson, and J. Lamarque. 2002. Port and Community Profiles, Amendment 9, Squid, Atlantic Mackerel, and Butterfish FMP. A Report to the Mid-Atlantic Fishery Management Council. The Fisheries Project, Rutgers the State University, New Brunswick, New Jersey, June 27, 2002.

McCay, B.J., D. Wilson, J. Lamarque, E. Bochenek, B. Stoffle, B. Oles, and T. Johnson. 2002. Port and Community Profiles and Social Impact Assessment, Amendment 13 of the Surfclam and Ocean Quahog Fishery Management Plan: Report to the Mid-Atlantic Fishery Management Council. February, 2002.

Bochenek, E.A., E.N. Powell, A.J. Bonner and S.E. Banta. 2001. Scup Mesh-Selectivity Study of The Otter Trawl Fishery In the Mid-Atlantic. Final Report. National Fisheries Institute -Scientific Monitoring Committee. 34p.

Powell, E.N., A.J. Bonner, S.E. Banta and E.A. Bochenek. 2001. NMFS Spring Survey: Survey Vessel-Commercial Vessel Comparison-Tow Project. Report to the Fisheries Information Development Center, Rutgers University. 57p.