

Eric N. Powell

Director, Haskin Shellfish Research Laboratory, Rutgers University

PROFESSIONAL SOCIETIES

International Association of Meiobenthologists

I. Professional Preparation

University of Washington, B.S., 1972

University of North Carolina, M.S., 1976

University of North Carolina, Ph.D., 1978

II. Appointments

Director, Haskin Shellfish Research Laboratory, New Jersey Agricultural Experiment Station, Rutgers Univ., 1995-

Director, Aquaculture Technology Transfer Center, Rutgers Univ., 1997-

Professor I, Dept. Marine and Coastal Science, and Institute of Marine and Coastal Sciences, Rutgers Univ., 1995-

Professor, Texas A&M Univ., Dept. Oceanography, 1987-1994

III. Publications (194 total)

a. Five most relevant publications

Harding, J.M., S.E. King, E.N. Powell and R. Mann. 2008. Decadal trends in age structure and recruitment patterns of ocean quahogs *Arctica islandica* from the Mid-Atlantic Bight in relation to water temperatures. *J. Shellfish Res.* 27:667-690.

Powell, E.N. and J.M. Klinck. 2007. Is oyster shell a sustainable estuarine resource? *J. Shellfish Res.* 26:181-194.

Powell, E.N., K.A. Ashton-Alcox and J.N. Kraeuter. 2007. Reevaluation of eastern oyster dredge efficiency in survey mode: Application in stock assessment. *N. Am. J. Fish. Manage.* 27:492-511.

Powell, E.N., K.A. Ashton-Alcox, J.N. Kraeuter, S.E. Ford and D. Bushek. 2008. Long-term trends in oyster population dynamics in Delaware Bay: Regime shifts and response to disease. *J. Shellfish Res.* 27:729-755.

King, S.E. and E.N. Powell. 2007. Influence of adaptive stations in a transect-based sampling design for a multispecies fish survey. *Fish. Res.* 86:241-261.

b. Five recent significant publications

Mann, R. and E.N. Powell. 2007. Why oyster restoration goals in the Chesapeake Bay are not and probably cannot be achieved. *J. Shellfish Res.* 26:905-917.

Kraeuter, J.N., J.M. Klinck, E.N. Powell, E.E. Hofmann, S.C. Buckner, R.E. Grizzle and V.M. Bricelj. 2008. Effects of the fishery on the northern quahog (=hard clam, *Mercenaria mercenaria* L.) population in Great South Bay, New York: A modeling study. *J. Shellfish Res.* 27:653-666.

Polyakov, O., J.N. Kraeuter, E.E. Hofmann, S.C. Buckner, V.M. Bricelj, E.N. Powell and J.M. Klinck. 2007. Benthic predators and northern quahog (=hard clam) (*Mercenaria mercenaria* Linnaeus, 1758) populations. *J. Shellfish Res.* 26:995-1010.

Kim, Y., E.N. Powell, T.L. Wade and B.J. Presley. 2008. Relationship of parasites and pathologies to contaminant body burden in sentinel bivalves: NOAA Status and Trends 'Mussel Watch' Program. *Mar. Environ. Res.* 65:101-127.

Powell, E.N., W.R. Callender, G.M. Staff, K.M Parsons-Hubbard, C.E. Brett, S.E. Walker, A. Raymond and K.A. Ashton-Alcox. 2008. Mollusc shell condition after eight years on the sea floor -- taphonomy in the Gulf of Mexico and Bahamas. *J. Shellfish Res.* 27:191-225.

IV. Synergistic Activities

(1.) Chief Biologist in charge of NJ oyster stock assessment program. (2.) Coordinator of joint NMFS/Fishing Industry cooperative research programs on surf clams and ocean quahogs in the EEZ. (3.) Coordinator of Mid-Atlantic Consortium for Shellfish Genetics and Breeding, a joint Rutgers, VIMS, UMD venture. (4.) Chief Science Liaison for the NFI (National Fisheries Institute)-Scientific Monitoring Committee and the NFI-Clam Committee. (7.) Governor's Appointee, State Aquaculture Advisory Council. (8.) Member, National Marine Fisheries Service, Invertebrate Subcommittee. (9.) Chair, Oyster Industry Science Steering Committee. (10.) Member, NMFS-NEFSC Southern Demersal Working Group. (11.) Appointed Member, MAFMC/NMFS/NEFMC Trawl Survey Advisory Committee. (12.) Appointed Member, Va/Md Independent Advisory Panel for the EIS: "Evaluation of Oyster Restoration Alternatives in Chesapeake Bay." (13.) Coordinator, Delaware Bay Oyster Revitalization Task Force. (14.) Chief Science Liaison, Partnership for Mid-Atlantic Fisheries Science (PMAFS).

V. Collaborators and Other Affiliations

Collaborators:

Eileen Hofmann (ODU), John Klinck (ODU), Margaret McManus (U. Hawaii), Roger Mann (VIMS), Jim Weinberg (NMFS), Larry Jacobson (NMFS), John Kraeuter (Rutgers), Tom Soniat (Nichols State), Ray Grizzle (U. New Hampshire), Susan Ford (Rutgers), Sally Walker (U. Georgia), Carleton Brett (U. Cincinnati), Russell Callender (NOAA), Anne Raymond (TAMU), George Staff (Austin Comm. Coll.), Wei-Jun Cai (U. Georgia), Karla Hubbard (Oberlin), Fred Jean (European Institute for Marine Studies, Brest), Christine Paillard (European Institute for Marine Studies, Brest), Monica Bricelj (Rutgers), Terry Wade (Texas A&M Univ.), Bobby Presley (Texas A&M Univ.), Eleanor Bochenek (Rutgers)

Graduate students:

Yungkul Kim, Hays Cummins, Marie White, Susanne McDonald, W. Russell Callender, Kwang-sik Choi, Elizabeth Wilson-Ormond

Post-doctoral associates:

Yungkul Kim, Elizabeth Wilson-Ormond

Ph.D Advisor:

Miles Crenshaw