

BIOGRAPHICAL SKETCH

Name: **HOUDE, EDWARD D.**

Address: University of Maryland Center for Environmental Science
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Education: University of Massachusetts. Zoology. B.A. 1963
Cornell University. Fisheries Science. M.S. 1965, Ph.D. 1968

Appointments:

Professor, The University System of Maryland, University of Maryland Center for Environmental and Estuarine Studies, Chesapeake Biological Laboratory, Solomons, MD, 1980-Present.

Program Director, Biological Oceanography, National Science Foundation, Washington, D.C., 1983-1985.

Assistant, Associate, Full Professor, RSMAS, University of Miami, Miami, Florida, 1971-1980.

Research Scientist, RSMAS, University of Miami, Miami, Florida, 1970-1971.

Fishery Research Biologist, U.S. Bureau of Commercial Fisheries, Miami, Florida, 1968-1970.

Research Interests: Fishery science and fisheries oceanography, especially larval stage ecology, population dynamics and recruitment mechanisms; fishery and marine resources management.

Publications in Past 3 years:

Mowitt, W. P., E. D. Houde, D. C. Hinkle and A. Sanford. 2006. Growth of planktivorous bay anchovy (*Anchoa mitchilli*), top-down control, and scale-dependence in estuarine mesocosms. *Mar. Ecol. Prog. Ser.* 308:255-269 [UMCES Contribution No. 3870-CBL].

North, E. W. and E. D. Houde. 2006. Retention mechanisms of white perch (*Morone americana*) and striped bass (*Morone saxatilis*) early-life stages in an estuarine turbidity maximum: an integrative fixed-location and mapping approach. *Fish. Oceanogr.* 15:429-450. [UMCES Contribution No. 3915-CBL].

CBFEAP. 2006. Fisheries ecosystem planning for Chesapeake Bay. (by Chesapeake Bay Fisheries Ecosystem Advisory Panel; E. D. Houde and M. McBride, panel co-chairs and editors). American Fisheries Society, Trends in Fisheries Science and Management 3, Bethesda, MD. (E. Houde is primary author of Ch. 1, "A Fisheries Ecosystem Plan for the Chesapeake Bay"; E. Houde is co-author of Ch. 3, Element 3, "Habitat, habitat requirements, and habitat management"; E. Houde is co-author of Ch. 3, Element 6, "Indicators of ecosystem health and biological reference points").

Houde, E. D. 2008. Emerging from Hjort's shadow. *J. Northw. Atl. Fish. Sci.* 41:53-70.

Breitburg, D. L., J. K. Craig, R. S. Fulford, K. A. Rose, W. R. Boynton, D. Brady, B. J. Ciotti, R. J. Diaz, K. D. Friedland, J. D. Hagy, III, D. R. Hart, A. H. Hines, E. D. Houde, S. E. Kolesar, S. W. Nixon, J. A. Rice, D. H. Secor and T. E. Targett. *In Press*. Nutrient enrichment and fisheries exploitation: Interactive effects on estuarine living resources and their management. *Hydrobiologia*. Kemp, W. M., J. E. Petersen, E. D. Houde, C.-C. Chen, J. C. Cornwell and E. T. Porter. *In Press*. Spatial and temporal scaling. pp. 49-62. In: Kennedy, V. S., W. M. Kemp, J. E. Petersen and W. C. Dennison (eds.). *Experimental ecosystems and scale: Tools for understanding and managing coastal ecosystems*. Springer Publishing.

Houde, E. D. and J. E. Petersen. *In press*. Physical and ecological complexity. pp. 102-114. In: Kennedy, V. S., W. M. Kemp, J. E. Petersen and W. C. Dennison (eds.). *Experimental ecosystems and scale: Tools for understanding and managing coastal ecosystems*. Springer Publishing.

Houde, E. D. *In Press*. Managing the Chesapeake's fisheries: work in progress. *Chesapeake Perspectives*.

Houde, E. D. *In Press*. Recruitment variability. In: Jakobsen, T., M. Fogarty, B. Megrey and E. Moksness (eds.). *Fish reproductive biology and its implications for assessment and management*. Wiley-Blackwell Publishers, Oxford.

Five Additional Relevant Publications

Houde, E. D. and E. S. Rutherford. 1993. Recent trends in estuarine fisheries: predictions of fish production and yield. *Estuaries* 16:161-176.

Houde, E. D. 2002. Mortality. pp. 64-87. In: Fuiman, L. A. and R. G. Werner (eds.). *Fishery science. The unique contributions of early life stages*. Blackwell Publishing, Oxford.

Jung, S. and E. D. Houde. 2003. Spatial and temporal variabilities of pelagic fish community structure and distribution in Chesapeake Bay, U.S.A. *Est., Coast. Shelf Sci.* 58:335-351.

North, E. W. and E. D. Houde. 2003. Linking ETM physics, zooplankton prey, and fish early-life histories to white perch (*Morone Americana*) and striped bass (*M. saxatilis*) recruitment success. *Mar. Ecol. Prog. Ser.* 260:219-236.

Houde, E. D. and S. J. Roberts. 2004. Marine protected areas: an old tool for new circumstances. *Am. Fish. Soc. Sympos.* 42:23-35.

Synergistic Activities, Awards, and Professional Recognition:

Ocean Studies Board, National Research Council, 1998-2000

U. S. Delegate, International Council for the Exploration of the Sea (ICES), 1980-present.

Scientific and Statistical Committee, Mid-Atlan. Regional Fisheries Management Council, 1981-
Beverton Award; highest recognition for lifetime achievement in fisheries science, Fisheries Society of the British Isles, 1997.

Sette Award; sustained excellence in marine fishery biology; American Fisheries Society, 1998.

NOAA Ecosystems Principles Panel, 1997-1999.

Scientific and Technical Advisory Committee, Chesapeake Bay Program, 1993-2005

Chair, *Marine Protected Areas Committee*, National Research Council, 1998-2000.

Elected Fellow, American Association for the Advancement of Science, 2000.

Regents Faculty Award for Public Service, University System of Maryland, 2001.

President's Award for Excellence in the Application of Science, University of Maryland Center for Environmental Science, 2004.

Co-Chair, Fisheries Ecosystem Planning Technical Committee, NOAA Chesapeake Bay Office, 2000-2004.

Conservationist of the Year Award, Tidewater Chapter, American Fisheries Society, 2005.

Recent Collaborators Outside of University of Maryland:

E. Annis, Hood College; C. Bonzek, VIMS; S. B. Brandt, NOAA, GLERL, Ann Arbor, MI; D. L. Breitburg, Acad. Nat. Sci. Phila; E. J. Chesney, LUMCON; M. Christman, Univ. Florida, Gainesville; J. Cowan, LSU; L. Deegan, MBL; M. Fonseca, NOAA, Beaufort, NC; C. Friedrichs, VIMS; L. Fuiman, Univ. Texas Mar. Sci. Inst.; S. Giordano, NOAA, Annapolis, MD; V. Holliday, BAE Corp. (retired); C. Hopkinson, MBL; C. Jones, Old Dominion Univ.; J. Kenworthy, NOAA, Beaufort, NC; R. Kimura, Fisheries Laboratory, Yokohama, Japan; J. Kirkley, VIMS; R. Latour, VIMS; R. Lipcius, VIMS; R. Luettich, Univ. N. Carolina; J. Morris, Univ. S. Carolina; H. Paerl, Univ. N. Carolina; J. Pinckney, Texas A&M; S. Roberts, NAS; K. A. Rose, LSU; K. Sellner, CRC; A. Sharov, MD DNR; J. Shoji,

Hiroshima Univ.; R. Werner, Syracuse Univ. (retired); R. Wood, NOAA, Oxford, MD; X. Zhang, NOAA, Oxford, MD.

Recent Students

T. Auth, NOAA; P. Campfield, ASMFC; S. Jung, Korean Nat'l Fish. Lab; W. Mowitt, NOAA; B. Muffley, NJ DNR; E. North, UMCES-HPL; O'Brien, D., NOAA; E. Martino, UMCES-CBL.