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Estuarine Fisheries Ecology

(see also Nekton and Management)

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Natural History Classics

Helfman, G. S., D. E. Facey, L.S. Hales and E.L. Bozeman. 1987. Reproductive ecology of the American eel. *American Fisheries Society Symposium* 1: 42-56.

Hildebrand, S. F. and W. C. Schroeder. 1927. *Fishes of the Chesapeake Bay*. Washington, D.C., U.S. Bureau of Fisheries.

Mansueti, R. J. 1961. Age, growth and movements of the striped bass, *Morone saxatilis*, taken in size selective fishing gear in Maryland. *Chesapeake Science* 2: 9-36.

Pearcy, W. G. 1962. Ecology of an estuarine population of winter flounder, *Pseudopleuronectes americanus* (Walbaum). Parts I-IV. *Bulletin Bingham Oceanographic Collection* 18: 5-78.

Fisheries Production

Deegan, L. A. 1993. Nutrient and energy transport between estuaries and coastal marine ecosystems by fish migration. *Canadian Journal of Fisheries and Aquatic Science* 50: 74-79.

Goodyear, C. P., J. E. Cohen, and S.W. Christiansen. 1985. Maryland striped bass: recruitment declining below replacement. *Transactions of the American Fisheries Society* 114: 146-151.

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

Luo J.G, Hartman K.J, Brandt S.B., Cerco C.F., and Rippetoe T.H. 2001. A spatially-explicit approach for estimating carrying capacity: An application for the Atlantic menhaden (*Brevoortia tyrannus*) in Chesapeake Bay. *Estuaries* 24 (4): 545-556.

Neill, W.H., Miller, J.M., Van der Veer, H.W. and Winemiller, K.O. 1994. Ecophysiology of marine fish recruitment - a conceptual-framework for understanding interannual variability. *Netherlands Journal of Sea Research* 32 (2): 135-152 jul 1994

Rothschild, B. J., J. S. Ault, Gouletquer, P. and Heral. M. 1994. Decline of the Chesapeake Bay oyster population: a century of habitat destruction and overfishing. *Marine Ecology Progress Series* 111: 29-39.

Ulanowicz R.E. and J.H. Tuttle. 1992. The trophic consequences of oyster stock rehabilitation in Chesapeake Bay. *Estuaries* 15 (3): 298-306.

Fisheries Oceanography and Recruitment

- Able, K.W. and M.P. Fahay. 1998. The first year in the life of estuarine fishes in the Middle Atlantic Bight. Rutgers University Press, New Brunswick, NJ. 342 pp.
- Crecco V.A., Savoy T.F. 1985. Effects of biotic and abiotic factors on growth and relative survival of young American shad, *Alosa sapidissima*, in the Connecticut River. Canadian Journal of Fisheries and Aquatic Science 42 (10): 1640-1648.
- Epifanio, C.E. 1995. Transport of blue crab (*Callinectes sapidus*) larvae in the waters off Mid-Atlantic states. Bulletin Marine Science 57 (3): 713-725.
- Fortier L., and Leggett WC. 1983. Vertical migrations and transport of larval fish in a partially mixed estuary. Canadian Journal of Fisheries and Aquatic Science 40 (10): 1543-1555.
- Forward R.B., Tankersley R.A., Reinsel K.A. 1998. Selective tidal stream transport of spot (*Leiostomus xanthurus* Lacepede) and pinfish [*Lagodon rhomboides* (Linnaeus)] larvae: Contribution of circatidal rhythms in activity. Journal Experimental Marine Biology and Ecology 226 (1): 19-32.
- Grimes CB, Kingsford MJ. 1996. How do riverine plumes of different sizes influence fish larvae: Do they enhance recruitment? Marine Freshwater Research 47 (2): 191-208.
- Hare J.A., and Cowen R.K. 1993. Ecological and evolutionary implications of the larval transport and reproductive strategy of bluefish *Pomatomus saltatrix*. Marine Ecology Progress Series 98 (1-2): 1-16.
- Jassby, A.D., Kimmerer W.J., Monismith S.G. 1995. Isohaline position as a habitat indicator for estuarine populations Ecological Application 5 (1): 272-289.

Complex Life Cycles and Connectivity

- Beck, M. W., Heck, K. L., Jr., Able, K. W., Childers, D. L., Eggleston, D. B., Gillanders, B. M., Halpern, B., Hays, C. G., Hoshino, K., Minello, T. J., Orth, R. J., Sheridan, P. F. & Weinstein, M. P. 2001 The identification, conservation, and management of estuarine and marine nurseries for fish and invertebrates. Bioscience 51: 633-640.
- Conover, D.O. 1990. The relationship between capacity for growth and length of growing-season - evidence for and implications of countergradient variation. Transactions of the American Fisheries Society 119 (3): 416-430.
- Conover D.O. and B.E. Kynard. 1981. Environmental sex determination - interaction of temperature and genotype in a fish. Science 213 (4507): 577-579.
- Limburg K.E. 2001. Through the gauntlet again: Demographic restructuring of American shad by migration. Ecology 82 (6): 1584-1596.

Ray G.C. 1997. Do the metapopulation dynamics of estuarine fishes influence the stability of shelf ecosystems? *Bulletin Marine Science* 60 (3): 1040-1049.

Secor, D. H. 1999. Specifying divergent migrations in the concept of stock: the contingent hypothesis. *Fisheries Research* 43:13-34.

Thorrold, S. R., Latkoczy, C., Stewart, P. K., Jones, C. M. 2000. Natal homing in a marine fish metapopulation. *Science* 291: 297-299.

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