

Research Profile



First Name: Dewayne **Middle Initial:** A. **Last Name:** Fox
Title: Assistant Professor, Fisheries
Department/School: Agriculture and Natural Resources, College of Agriculture and Related Sciences
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Professional Education:

- Post Doctoral Associate. 2001-2003. Rutgers University Marine Field Station. Tuckerton, NJ
- Ph.D. Zoology. 2001. North Carolina State University, Raleigh, NC.
- M.S. Fishery Science. 1996. University of Washington - Seattle, WA.
- B.S. Ecology and Systematic Bio. 1991. California Polytechnic State University, San Luis Obispo, CA.

Research Interest Area(s):

Habitat selection and delineation in aquatic systems; population dynamics and conservation of endangered species; migratory behavior of diadromous fishes; the role of trophic interactions in structuring aquatic communities.

Active Grants & Funding:

Proposals submitted and/or funded during the last 12 months.

- Living Marine Resources Cooperative Science Center - NOAA Educational Partnership Program - (FY05) (Funded)
- Living Marine Resources Cooperative Science Center - NOAA Educational Partnership Program - (FY04) (Funded)
- Atlantic sturgeon in the Delaware River: contemporary population status and identification of spawning areas. NMFS Anadromous Fish Conservation Act Funding – (Funded)
- Contemporary population status and identification of spawning locations of Delaware River Atlantic sturgeon - Pennsylvania State Wildlife Grants Program - (Funded)
- Population ecology of yellow-phase American eels in the St. Jones River, DE. NOAA-LMRCSC Research Funding - (Funded)
- Co PIs: Drs Larissa Bailey, USGS and Kyle Shertzer, NMFS. Atlantic sturgeon in the Delaware River: contemporary population status and identification of spawning areas. NOAA-LMRCSC Research Funding - (Funded)
- Co PI: Dr. Mary Moser, NMFS. Site fidelity of sandbar sharks in nursery areas of Delaware Bay. NOAA-LMRCSC Research Funding - (Funded)
- Co PIs: Drs. Brad Wetherbee, URI and Nancy Kohler, NMFS. Sex determination and manipulation in Atlantic sturgeon. USDA-Research Capacity Building Grant - (Submitted)
- Co PIs: Dennis McIntosh, DSU, Malcolm Taylor, UD, and Andy Lazur, UM. Sex determination and manipulation in Atlantic sturgeon. NSF-EPSCoR Program - (Submitted)
- Co PIs: Dennis McIntosh, DSU, Malcolm Taylor, UD, and Andy Lazur, UM.

Professional Affiliations:

- President-Elect, Tidewater Chapter of the American Fisheries Society (2006).
- Member, American Fisheries Society (National, Mid-Atlantic and Tidewater Chapters).
- Reviewer for Fisheries, Environmental Biology of Fishes, Transactions of the American Fisheries Society, Journal of Applied Ichthyology, National Estuarine Research Reserve System (proposals), Designation of Critical Habitat for the Gulf Sturgeon (USFWS and NMFS).

Honors & Awards received (last five years): N/A

Publications (last three years):

Hunter K.L., *D.A. Fox*, L.M. Brown and K.W. Able. In Press. Resident marsh fishes respond negatively to stages of the Phragmites invasion in three mid-Atlantic estuaries. *Estuaries*.

Able, K. W., K. M. M. Jones and *D. A. Fox*. In Review. Large nektonic fishes in nearshore and marsh creek habitats in the Delaware Bay estuary: distribution and abundance. Submitted to *Estuaries*.