

Brandon J. Puckett

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EDUCATION

2005-present Ph.D. candidate North Carolina State University
Marine, Earth and Atmospheric Science (MEAS) Graduate Program
Area of Specialization: Marine Sciences, GPA: 4.0/4.0

2003-2006 M.S. University of Maryland-College Park
Marine, Estuarine, and Environmental Sciences (MEES) Graduate Program
Area of Specialization: Fisheries Science, GPA: 4.0/4.0

1998-2002 B.S. North Carolina State University (*magna cum laude*)
Major: Environmental Science-Ecology, GPA: 3.5/4.0

RESEARCH/TEACHING EXPERIENCE

Present **National Marine Fisheries Service-Sea Grant Population Dynamics Fellow**, NCSU
Dissertation title: Designing marine reserve networks for oyster restoration: a metapopulation and graph-theoretic approach

2006-2008 **Graduate Research Assistant**, NCSU—MEAS

2007 **Co-Instructor**, NCSU—MEAS
Course: Ecology of Coastal Resources (MEA 469)

2005-2006 **Graduate Teaching Assistant**, NCSU—MEAS
Course: Introduction to Oceanography Laboratory (MEA 210)

2003-2005 **Maryland Sea Grant Fellow**, UMD—MEES
Thesis title: Growth and recruitment rates of juvenile blue crabs (*Callinectes sapidus*) in Chesapeake Bay.

2002-2003 **Undergraduate Research Assistant**, NCSU—Zoology
Striped Bass Bioenergetics (Dr. James Rice)

2002 **NSF Research Experience for Undergraduates**, NCSU—Zoology
Growth of NC stream fish and mark-recapture of tropical stream fish (Dr. James Gilliam)

2001-2002 **Research Technician**, NCSU Air Quality Research Site-USDA

2000-2001 Undergraduate Research Assistant, NCSU—Forestry
Rooted Cuttings Program (Dr. Barry Goldfarb)

AWARDS/SERVICES/CERTIFICATIONS

- National Marine Fisheries Service—Sea Grant Population Dynamics Graduate Fellowship (2008-2010)
- North Carolina Sea Grant Fellowship (2008)
- National Shellfisheries Assoc. Michael Castagna Student Grant for Applied Research (2008)
- MEAS Graduate Student Association Vice President (2006-2007)
- Tobias/Williams Graduate Award for Outstanding Student in Marine Science (2007)
- NCSU Student Fisheries Society Executive Committee (2006)
- Raleigh Saltwater Sportfishing Club Dale Ward Memorial Scholarship (2006)
- American Fisheries Society (AFS)/Sea Grant Best Student Paper Award (2005)
- Student Paper Awards: 2nd place paper Southern Division AFS (2005), 2nd place paper AFS Tidewater (2005), 3rd place poster presentation AFS Tidewater (2004)
- Maryland Sea Grant Fellowship (2003-2005)
- Chesapeake Biological Lab Graduate Student Organization representative (2003-2005)
- UMD Student Fisheries Society member (2005)
- UMD Graduate Education Committee Travel Award (2004 and 2005)
- AAUS and NAUI Scientific Diver, NAUI Rescue Diver, NAUI Nitrox Diver
- United States Power Squadrons Boating Course (2004)
- Academic Achievement Award (2002)
- Dean's List x 7 (1998-2002)
- Neuse River Foundation volunteer (2001-2002)

PROFESSIONAL AFFILIATIONS

American Fisheries Society
National Shellfisheries Association
American Academy of Underwater Sciences
NCSU Student Fisheries Society
NCSU MEAS Graduate Student Association
Reviewer for Marine Ecology Progress Series, Marine Biology

PUBLICATIONS/PRESENTATIONS

Puckett, B.J., D.H. Secor, and S-J. Ju. 2008. Validation and application of lipofuscin-based age determination for Chesapeake Bay blue crabs *Callinectes sapidus*. Transactions of the American Fisheries Society 137: 1637-1649.

Bartel, R.A., **B.J. Puckett**, N.M. Haddad. In review. Effects of disturbance on metapopulation size in successional landscapes. Landscape Ecology.

Puckett, B.J., D.B. Eggleston. 2008. Metapopulation dynamics of oyster reserves in Pamlico Sound, NC. Paper presentation at American Fisheries Society Meeting. Ottawa, ON.

- Puckett, B.J.,** D. B. Eggleston. 2007. Spatiotemporal variation of oyster settlement in Pamlico Sound, NC: spatial coherence and wind forcing. Poster presentation at Benthic Ecology Meeting. Atlanta, GA.
- Puckett, B.J.** 2006. Growth and recruitment rates of juvenile blue crabs in Chesapeake Bay. MS thesis, University of Maryland, College Park, MD.
- Puckett, B.J.** 2005. How old is that crab? New approach to the growth rate debate. Chesapeake Quarterly 3(4): 14-15.
- Puckett, B.J.,** D.H. Secor, and S-J. Ju. 2005. Growth and recruitment rates of juvenile blue crabs in Chesapeake Bay. Invited Paper presentation at Crustacean Stock Assessment Symposium, American Fisheries Society Meeting. Anchorage, AK.
- Puckett, B.J.,** D.H. Secor, and S-J. Ju. 2005. Growth and recruitment rates of juvenile blue crabs in Chesapeake Bay. Paper presentation at Southern Division of the American Fisheries Society. Virginia Beach, VA.
- Puckett, B.J.,** D.H. Secor, and S-J. Ju. 2004. Preliminary growth rates for juvenile (age 0 to 1) blue crabs *Callinectes sapidus*. Poster presentation at the 18th Annual Meeting of the Tidewater Chapter, American Fisheries Society. Salisbury, MD.
- Puckett, B.J.,** D.H. Secor, and S-J. Ju. 2004. Preliminary growth rates for juvenile (age 0 to 1) blue crabs *Callinectes sapidus*. Poster presentation at NOAA Chesapeake Bay Stock Assessment Committee Meeting. Bowie, MD.