

Anna R. Webb

School of Marine and Atmospheric Sciences
Challenger 143
Stony Brook University
Stony Brook, NY 11794

Contact Information:
anna.r.webb@gmail.com
(570) 490-4121

EDUCATION

- 2008-present **SUNY Stony Brook**, Stony Brook, NY, GPA 3.96
M.S. in Marine and Atmospheric Science, *Focus: Fisheries*
- 2003-2007 **SUNY Stony Brook**, Stony Brook, NY, GPA 3.92
B.S. in Marine Vertebrate Biology (*summa cum laude*)

RESEARCH EXPERIENCE

- 2009-present **Master's thesis project**, SUNY Stony Brook, Stony Brook, NY.
Advisors: Drs. Ellen Pikitch and Michael Frisk
- Identifying under-represented species in fishery management
 - Evaluating significant increasing or decreasing abundance trends
 - Applying measures of extinction risk
 - Reviewing alternative methods of stock assessment for rare species
- 2007-2008 **Research Technician**, SUNY Stony Brook, Stony Brook, NY.
Supervisor: Michael Doall
- Participated in hard clam restoration project in conjunction with The Nature Conservancy by analyzing gonad and general body condition of both sanctuary and native clams
 - Collected and filtered seawater for chlorophyll and POC/PON content analysis
 - Analyzed sediment cores for both POC/PON analysis and enumeration of benthic organisms
 - Prepared all materials for both field sampling and laboratory testing
- 2005-2007 **Undergraduate Research Assistant**, SUNY Stony Brook, Stony Brook, NY.
Supervisor: Dr. Dianna Padilla
- Assisted a graduate student with molecular genetics and microsatellite analysis
 - Expanded upon previous experience with PCR and agarose gels
 - Mastered extraction procedures of DNA from preserved tissue
 - Cared for a three-tiered invertebrate aquarium, cultured *Isochrysis*
- 2005 **Undergraduate Research Assistant**, Long Island University, Southampton, NY.
Supervisor: Dr. Maria Kretzmann
- Introduced to molecular genetics
 - Participated in a project that monitors bay scallop populations of Long Island
 - Learned how to run agarose gels and PCRs

FIELD EXPERIENCE

- 2007 **Tropical Marine Ecology**, SUNY Stony Brook, Stony Brook, NY
- Traveled to Discovery Bay Marine Lab, Jamaica for a winter field course
 - Created a photo identification presentation of local flora and fauna
 - Snorkeled approximately twice daily for observation and research
 - Conducted research on predation of intertidal snails as a function of species, tidal height, and location in the bay
- 2005 **Crew member**, the *Harvey Gamage*, various Caribbean and United States ports
- Traveled the Caribbean and east coast of the United States during a SEAmester program aboard a traditional schooner while taking classes
 - Learned to sail a tall ship in the open ocean
 - Responsible for maintaining the ship's condition
- 2003-2007 **Lab courses**, Southampton College/Stony Brook University
- Hands-on field training provided in the field biology, ichthyology, physical oceanography, marine mammals, coastal processes, marine ecology and fisheries courses
 - Sampled sites in estuaries, salt marshes, bays, and the open ocean
 - Training in laboratory and boating equipment such as the handheld CTD, Niskin bottles, and trawling

TEACHING EXPERIENCE

- 2009 **Teaching Assistant (lecture)**, Current Environmental Issues and Policies, SUNY Stony Brook
- 2009 **Teaching Assistant (lecture)**, Ecosystem Ecology and the Global Environment, SUNY Stony Brook
- 2008 **Teaching Assistant (lab)**, Fundamentals of Scientific Inquiry in the Biological Sciences Lab, SUNY Stony Brook
- 2007 **Undergraduate Teaching Assistant (lab)**, Chordate Zoology, SUNY Stony Brook

PUBLICATIONS

- 2009 R. Przeslawski and **A. R. Webb**. 2009. Natural variation in larval size and developmental rate of the northern quahog *Mercenaria mercenaria* and associated effects on larval and juvenile fitness. *Journal of Shellfish Research* 28(3) 505-510.
- 2008 M. H. Doall, Padilla, D. K., LoBue, C. P., Clapp, C., **Webb, A. R.**, Hornstein, J. 2008. Evaluating northern quahog (hard clam, *Mercenaria mercenaria* L.) restoration: are transplanted clams spawning and reconditioning? *Journal of Shellfish Research* 27(5) 1069-1080.

AWARDS AND SCHOLARSHIPS

- 2008-2009 **Dean's Fellowship**, SUNY Stony Brook
- 2003-2007 **Dean's List**, SUNY Stony Brook and Southampton College
- 2006-2007 **Honoree**, Academic Achievement Banquet, SUNY Stony Brook
- 2006 **Evan Frankel Memorial Scholarship**, SUNY Stony Brook
- 2006 **1st Place**, Writing 102 Essay Contest, SUNY Stony Brook
- 2003-2005 **Southampton College Provost Scholarship** Recipient
- 2004 **Natural Science Division Award** for a Freshman, Southampton College
- 2004 **William H. Koch Scholarship** Recipient
- 2003 **Frances M. Swartz Scholarship** Recipient

LEADERSHIP EXPERIENCE

- 2009-2010 •**Event Coordinator**, SoMAS Graduate Student Club
- 2006-2007 •**Undergraduate Representative**, SUNY Stony Brook College of Arts and Sciences Curriculum Committee
- 2005-2007 •**Active Member**, Marine Science Club, SUNY Stony Brook
- 2006 •**Participant**, Student-Faculty-Staff Retreat, Stony Brook University
- 2005 •**First Junior watch officer**, the *Harvey Gamage*, SEAmester
- 2004-2005 •**Chairperson**, events sponsored by the sophomore class government

VOLUNTEER EXPERIENCE

- 2004 **Aquarist Assistant**, Atlantis Marine World, Riverhead, NY
 - Acquired knowledge of the care of marine animals in captivity
 - Observed aquaculture techniques and applications
 - Facilitated in the feeding and upkeep of the organisms on and off display
- 2004 **Training Assistant**, Paws-Itively Obedient Dog Training School, Watsonstown, PA
 - Observed the principles of operant conditioning/positive reinforcement of dogs
 - Taught several sections of group oriented classes
 - Acquired basic knowledge of owning and operating a business
- 1998-2004 **Member**, Disaster Relief Team of Zion Lutheran Church, Turbotville, PA
 - Rebuilt homes damaged by natural disaster
 - Learned various methods of construction including insulation, dry wall, roofing
 - Helped restore morale to discouraged people

SPECIAL SKILLS

- Chlorophyll/CN analysis
- Hard clam gonad analysis
- Care of aquatic invertebrate tanks
- Use of microscopes, pipettes, flourometers, water filtration devices, balances, calipers
- PADI Open Water Diver Certification
- PCR
- Agarose gels
- Sailing of tall ships
- Navigational skills