

Brittany M. Schieler

71 Dudley Road
New Brunswick, NJ 08901
(917) 596-4580
schieler@marine.rutgers.edu

EDUCATION

- 2011-Present Master of Science Candidate, Graduate School of Oceanography,
Rutgers University, New Brunswick, NJ
Advisor: Kay Bidle, Ph.D.
- 2007-2011 Bachelors of Science, Biological Sciences and Marine Science, summa
cum laude, University of Delaware, Newark, DE

ACADEMIC HONORS AND AWARDS

- Dean's List, University of Delaware, 2007-2011
Phi Beta Kappa, 2010
Agnes K. Thomas Scholarship (for academic excellence in third year of study), University
of Delaware, 2010
Supply and Expense Grant (for undergraduate research), University of Delaware, 2010
Summer Scholars Award (for undergraduate research), University of Delaware, 2010 &
2009
General Honors Award (for fulfillment of honors program requirements within first two
years of study), University of Delaware, 2009
Global Scholars Award (for study abroad in New Zealand), University of Delaware, 2009
Arak Award (for outstanding student writing recognized by English department),
University of Delaware, 2008

RESEARCH EXPERIENCE

- 2011- Present Graduate Research Assistant, Graduate Program in Oceanography,
Rutgers University (with K. Bidle)
Investigating nitric oxide production during infection of *Emiliana
huxleyi* by *E. huxleyi* specific viruses.
- 2009-2011 Undergraduate Research Intern, School of Marine Science and Policy,
University of Delaware (with T. Targett)
Correlated larval fish abundance to wind patterns in Delaware Bay;
Assisted with various projects in estuarine fish ecology.

CRUISE PARTICIPATION

- June-July 2012, R/V Knorr, North Atlantic. Multi-institutional cruise to explore the links

between viral infection of *Emiliana huxleyi*, viral specific lipids, and the biogeochemical cycling of carbon and sulfur.

October 2010, R/V Sharp, Delaware Bay. Assisted with AUV deployments and The sorting/preserving of bottom biological samples.

TEACHING EXPERIENCE

- 2011 Teaching assistant, Introduction to Oceanography, Rutgers University
Graded exams and assisted with in-class group exercises.
- 2009-2011 Writing Fellow, University of Delaware
Tutor freshman honors student in their honors English courses and mentor new fellows.
- 2008-2011 Tutor, General Chemistry I & II, University of Delaware

PUBLICATIONS

Manuscripts in final stage of preparation:

Schieler, B., Hale, E., and Targett, T (2012) Daily variation in ingress of fall-spawned larval fishes into Delaware Bay in relation to alongshore and along-estuary wind components. For submission to *Marine Ecology Progress Series*.

Non-peer reviewed publications:

Schieler, B. Non-Human Intelligence: A New Portrayal of Dolphins. *The Arak Anthology*, University of Delaware, Newark, NJ, 2008.

POSTER PRESENTATIONS

- 2010 "Daily variation in ingress of early stage Atlantic croaker (*Micropogonias undulatus*) and Atlantic menhaden (*Brevoortia tyrannus*) into Delaware Bay," presented at American Fisheries Society Mid-Atlantic Chapter Meeting.
- 2010 "Analyzing the Effects of Wind Pattern and Temperature on the Ingress of Off-Shore Spawned Early Stage Fishes into Delaware Bay," presented at *2010 Undergraduate Research and Service Celebratory Symposium*.
- 2009 "Characterization of the Larval Fish Assemblage in Delaware Bay and the Effect of Vertical Distribution on Measured Larval Flux and Diversity," presented at the *Undergraduate Research Science Symposium*.