

Nathalie Reyns

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| Contact | Ocean Life Institute Postdoctoral Scholar Biology Department, MS # 50 Woods Hole Oceanographic Institution Woods Hole, MA 02543 | <i>tel:</i> 508.289.3646 <i>fax:</i> 508.457.2089 <i>e-mail:</i> nreyns@whoi.edu |
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| Research Interests | Biophysical dispersal dynamics of marine invertebrate larvae and juveniles; larval swimming behaviors and responses to environmental cues and hydrodynamic conditions; ecology of benthic communities |
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| Education | Ph.D., Marine Sciences, North Carolina State University 2004 <i>Dissertation:</i> “Biophysical dispersal dynamics of the blue crab in Pamlico Sound, North Carolina” <i>Advisor:</i> David B. Eggleston |
| | M.S., Marine Environmental Sciences, Stony Brook University 1998 <i>Thesis:</i> “Recruitment dynamics of tropical brachyuran crustaceans” <i>Advisor:</i> Su Sponaugle |
| | B.S., Ecology and Evolutionary Biology, University of Arizona 1995 |

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| Research Experience | Postdoctoral Scholar, Woods Hole Oceanographic Institution 2005 – pres |
| | Postdoctoral Researcher, North Carolina State University 2004-2005 |
| | Graduate Research Assistant, North Carolina State University 1999-2004 |
| | Research Technician, RSMAS, University of Miami, FL 1998-1999 |
| | Graduate Research Assistant, MSRC, Stony Brook University, NY 1995-1998 |
| | REU, Shannon Point Marine Center, Anacortes, WA 1994 |

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| Teaching Experience | Instructor, Carolina Ocean Studies, Morehead City, NC 2003-2005 |
| | Biology Tutor, North Carolina State University (NCSU) 2000 |
| | Graduate Teaching Assistant, Oceanography, NCSU 1999-2000 |
| | Adjunct Assistant Professor, Marine Invertebrate Zoology, Southampton College, NY 1998 |
| | Instructor, Project WISE (Women in Science and Engineering), Stony Brook University, NY 1996, 1997 |
| | Graduate Teaching Assistant, Chordate Zoology, Stony Brook University, NY 1995-1996 |

Publications **Reyns, N.B.**, D.B. Eggleston, and R.A. Luettich, Jr. Dispersal dynamics of postlarval blue crabs, *Callinectes sapidus*, within a wind-driven estuary. **Fish. Oceanogr.**, in press.

Reyns, N.B., D.B. Eggleston, and R.A. Luettich, Jr. Secondary dispersal of early juvenile blue crabs within a wind-driven estuary. **Limnol. Oceanogr.**, in press.

Forward, R.B., Jr., **N.B. Reyns**, H. Diaz, J.H. Cohen, and D.B. Eggleston. 2005. Endogenous swimming rhythms underlying secondary dispersal of early juvenile blue crabs, *Callinectes sapidus*. **J. Exp. Mar. Biol. and Ecol.** 316: 91-100.

Reyns, N.B. and D.B. Eggleston. 2004. Environmentally-controlled, density-dependent secondary dispersal in a local estuarine crab population. **Oecologia** 140: 280-288.

Forward, R.B., Jr., **N.B. Reyns**, H. Diaz, J.H. Cohen, and D.B. Eggleston. 2004. Endogenous swimming rhythms of juvenile blue crabs, *Callinectes sapidus*, as related to horizontal transport. **J. Exp. Mar. Biol. and Ecol.** 299: 63-76.

Schubart, C.D., J.I. Gonzalez-Gordillo, **N.B. Reyns**, H.-C. Liu, and J.A. Cuesta. 2001. Are Atlantic and Indo-Pacific populations of the rafting crab, *Plagusia depressa* (Fabricus), distinct? New evidence from larval morphology and mtDNA. **Raffles Bull. Zoo.** 49(2): 301-310.

Reyns, N. and S. Sponaugle. 1999. Patterns and processes of brachyuran crab settlement to Caribbean coral reefs. **Mar. Ecol. Prog. Ser.** 185: 155-170.

Bingham, B.L. and **N.B. Reyns**. 1999. Ultraviolet radiation and the distribution of the solitary ascidian, *Corella inflata* (Huntsman). **Biol. Bull.** 196: 94-104.

Presentations/ American Fisheries Society, Anchorage, AK, (two talks) 2005

Seminars Invited seminar, Woods Hole Oceanographic Institution, 2005

Invited, American Society of Limnology & Oceanography, Honolulu, HI, 2004

Estuarine Research Federation, Seattle, WA, (poster) 2003

The Crustacean Society Summer Meeting, Williamsburg, VA, 2003

Benthic Ecology Meetings, Orlando, FL, 2002

Benthic Ecology Meetings, Baton Rouge, LA, 1999

American Society of Limnology & Oceanography, Santa Fe, NM, 1999

Benthic Ecology Meetings, Melbourne, FL, 1998

Western Society of Naturalists, Monterey, CA, 1994

Awards

- 2005 Woods Hole Oceanographic Institution Postdoctoral Scholar Fellowship
2005 DIALOG VII (Dissertations Initiative for the Advancement of Limnology and Oceanography) symposium participant
2004 American Society of Limnology and Oceanography Travel Grant
2003 Estuarine Research Federation, first place, Graduate Student Poster Award
2003 Association of Women In Science Graduate Fellowship
2002 Governor and Mrs. Dan K. Moore Graduate Fellowship to Keep North Carolina Clean and Beautiful (NC Beautiful and NCSU)
2002 Tobias/Williams Award for Outstanding Graduate Student in Marine Science (NCSU)
2001 Honor Society of Phi Kappa Phi inductee
2000 Sigma Xi Grants-in-Aid of Research award
2000 PADI Foundation Project AWARE grant recipient
1999 Pritchard Award for Best Student Thesis (Stony Brook University)

- Science Outreach/Service** **Rules Judge and Moderator**, North Carolina Ocean Sciences Bowl 2000,2001
Blue Crab Project, North Carolina State University 1999-2002
Organized high school science research outreach program for coastal North Carolina high school students examining blue crab settlement. Program focused on teaching the scientific method and promoting environmental science awareness. (with D. B. Eggleston).
Assistant Director, Project WISE, Stony Brook University, NY 1997-1998
Led mentor-training and study-skills sessions for undergraduate science, math and engineering students, interviewed prospective undergraduates and mentors, and provided link between program participants, faculty and the university administration.
Reviewer, Continental Shelf Research, Marine Ecology Progress Series