

PERSONAL

Name: Colleen B Bove
 Department: Curriculum for the Environment and Ecology (Advisor: Dr. Karl Castillo)
 Address: 3117N Murray Hall, 123 South Road, Chapel Hill, NC, 27599
 Email: colbrynn@email.unc.edu
 Website: colleenbove.wordpress.com
 Phone: (919) 606-4926

EDUCATION

Ph.D.	2015-Present	Ecology	University of North Carolina at Chapel Hill
B.S. (abroad)	2012	Marine Biology	Southampton University, UK
B.S.	2014	Marine Biology	University of North Carolina at Wilmington
		Cum Laude, Honors	

PROFESSIONAL EXPERIENCE

2016 – Present	<i>Lead Teaching Assistant</i> , University of North Carolina at Chapel Hill
2015 – Present	<i>Teaching Assistant</i> , University of North Carolina at Chapel Hill
2015	<i>Visiting Scholar</i> , Northeastern University
2014 – 2015	<i>Laboratory Technician</i> , University of North Carolina at Chapel Hill
2011 – 2014	<i>Research Assistant</i> , University of North Carolina at Wilmington

PUBLICATIONS

Bove CB, Ries JB, Davies SW, Westfield IT, Castillo KD. *Effects of warming and acidification on the calcification of four Caribbean reef-building corals*. In prep.

Bove CB, Whitehead RF, Szmant AM. *Effects of seawater pH on the gastrovascular cavity of the corals *Montastraea cavernosa* and *Duncanopsammia axifuga*: Can corals counteract the effects of ocean acidification?* In prep.

PRESENTATIONS

Bove CB, Ries JB, Davies SW, Westfield IT, Castillo KD. *Effects of CO₂-induced ocean warming and acidification on four ubiquitous Caribbean reef-building corals*. June 2016. 13th International Coral Reef Symposium. Honolulu, Hawaii, USA. Oral Presentation.

Rippe JP, De Leener DN, Aichelman HE, Baumann JH, Davies SW, **Bove CB**, Fieseler CM, Castillo KD. *Skeletal growth trends of two massive reef-building corals on the florida reef tract: are inshore corals better off in a warming ocean?* June 2016. 13th International Coral Reef Symposium. Honolulu, Hawaii, USA. Oral Presentation.

Castillo KD, Rippe JP, Courtney T, Lima FP, Aichelman HA, De Leener DN, Baumann JH, Davies SW, Fieseler CM, **Bove CB**, Cobleigh KA, Westfield IT, Horvath K, Ries JB. *Impact of ocean warming on century-scale growth trends of inshore and offshore corals throughout the*

western Caribbean Sea. June 2016. 13th International Coral Reef Symposium. Honolulu, Hawaii, USA. Oral Presentation.

Bove CB, Ries JB, Davies SW, Westfield IT, Castillo KD. *Quantifying the role of symbionts in the response of Caribbean corals to warming and acidification*. May 2016. Symbiofest. University of Georgia, Athens, Georgia, USA. Oral Presentation.

Townsend, JE, **Bove CB**, Baumann J, Davies SW, Castillo KD. *The interactive effect of nutrients and salinity on corals from distinct thermal environments on the Belize Barrier Reef System*. February 2016. ASLO Ocean Sciences Meeting. New Orleans, Louisiana, USA. Poster Presentation.

Bove CB, Ries JB, Davies SW, Westfield IT, Castillo KD. *Effects of warming, acidification, and reef-zone on the calcification of four Caribbean scleractinian corals of the Belize Barrier Reef System*. February 2016. ASLO Ocean Sciences Meeting. New Orleans, Louisiana, USA. Oral Presentation.

Bove CB, Whitehead RF, Szmant AM. *Effects of seawater pH on the gastrovascular cavity of the corals *Montastraea cavernosa* and *Duncanopsammia axifuga*: Can corals counteract the effects of ocean acidification?* March 2015. Benthic Ecology Meeting. Quebec City, Canada. Oral Presentation.

Bove CB, Whitehead RF, Szmant AM. *Effects of Seawater pH on Coral Gastrovascular Chemistry: Can Corals Counteract the Effects of Ocean Acidification?* April 2014. University of North Carolina at Wilmington Undergraduate Research Showcase. Wilmington, North Carolina, USA. Poster Presentation.

Bove CB, Whitehead RF, Szmant AM. *Effects of seawater pH on the gastrovascular cavity of the coral *Montastraea cavernosa*: Can corals counteract the effects of ocean acidification?* April 2014. Colonial Academic Alliance Undergraduate Research Conference. Baltimore, Maryland, USA. Oral Presentation.

Bove CB, Whitehead RF, Szmant AM. *Effects of Seawater pH on Coral Gastrovascular Chemistry: Can Corals Counteract the Effects of Ocean Acidification?* March 2014. Benthic Ecology Meeting. Jacksonville, Florida, USA. Poster Presentation.

Bove CB, Whitehead RF, Szmant AM. *Effects of Seawater pH on Coral Gastrovascular Chemistry: Can Corals Counteract the Effects of Ocean Acidification?* April 2013. University of North Carolina at Wilmington Undergraduate Research Showcase. Wilmington, North Carolina, USA. Poster Presentation.

SCHOLARSHIPS AND AWARDS

2016 Honorable Mention in National Science Foundation Graduate Research Fellowship Program

Dean's List all eight undergraduate semesters

Featured in 2014 "Seahawk Stars: UNCW Graduates Soar" article published by UNCW (<http://uncw.edu/news/2014/05/seahawkstars2014.html>)

UNCW Distinguished Undergraduate Research Scholar 2014

Benthic Ecology Meeting 2014 Best Undergraduate Poster Presentation Award

Chancellor's Achievement Award Spring 2013
 UNCW CSURF Student Travel Award Fall 2013 (\$1,000)
 Gillings Scholarship Spring 2012 (\$10,000 to study at University of Southampton, England)

COURSES TAUGHT

ENEC 259 Coral Reef Ecology + Management: Explore key physical and chemical characteristics of the coral reef environment, topics in coral reef ecology, and strategies available for protecting and managing the reef environment. The course also familiarizes students with the identification of the principal corals and fishes found in the Caribbean with a field component in St. John, US Virgin Islands.

ENEC 201 Introduction to Environment and Society: This course explores changing human-environmental relations from a variety of social, geographical, and historical settings. The class cuts across a large number of disciplines and strives to do this in a manner that is integrative rather than segregating lessons from different academic disciplines.

GRADUATE COURSES

ENEC 563	Statistical Analysis in Ecology and Evolution (High Pass)
ENEC 567	Ecological Analyses and Application (High Pass)
ENEC 569	Current Issues in Ecology (High Pass)
ENEC 891	Special Topics in Ecology (High Pass)
ENEC 961	Research in Ecology (High Pass)
ENEC 994	Doctoral Research and Dissertation (High Pass)

MENTORING

2016 – Present	NCSSM High School Mentor
2015 – Present	Undergraduate Research Volunteers (Joseph Townsend, Cori Lopazanski, Meghan Gore, Brad Kotlarz, Zoe Sparks, Brigitte Butler)
2015	MASC 395 Student Mentor (Forrest Buckthal)

FIELD / LAB EXPERIENCE

PADI Advanced Open Water Certification (logged over 100 dives); AAUS Scientific Diver; water chemistry analysis (VINDTA DIC/TA); SCUBA surveys on Caribbean coral reefs; coral coring; specimen collection; coral aquarium maintenance and care; long term ocean warming and acidification common garden experiment; year-long undergraduate independent honors thesis; experience with coral microsensor measurements

UNDERGRADUATE COURSES

Statistics, Calculus, General Chemistry*, General Biology*, Environmental Chemistry, Organic Chemistry I and II, Coastal and Estuarine Oceanography II (focus in chemistry), Chemical Oceanography, Genetics, Ecology, Introduction to Oceanography, Marine Biology, Phycology,

Marine Invertebrate Zoology, Marine Molecular Biology, Coral Reef Ecology, Ecological Processes in the Marine Benthos, Field Studies in Biology (2 week field course with lab and research vessel research in Falmouth, UK), Extra-curricular Ecology Literature Discussion Group (* denotes classes I have also tutored)

OUTREACH

2016 – Present	Blogger, Under the C graduate student Marine Sciences Blog
2016	<i>Girls Advancing in STEM (GAINS)</i> ; Chapel Hill, NC
2016	<i>UNC Science Expo</i> ; Chapel Hill, NC
2015 – Present	Undergraduate Student Mentor
2015 – Present	NC School of Science and Math High School Mentor
2015	<i>Northeastern Marine Science Center Open House</i> ; Nahant, MA
2015	<i>SciREN Coast Networking Workshop</i> ; Pine Knoll Shores, NC
2014	<i>SciREN Triangle Networking Workshop</i> ; Raleigh, NC
2010 – 2014	<i>Education and Dive Team Volunteer</i> ; Fort Fisher, NC
2011	<i>Educational Programs Intern</i> ; Fort Fisher, NC