

WILLIAM A. MACKIN, PHD

3913 Sterling Ridge Lane
Durham, NC 27707
919-358-1714 (m)
willmackin@gmail.com

Education

| | |
|--|----------|
| UNC-Chapel Hill - PhD in Organismal and Evolutionary Biology | 5/9/2004 |
| Harvard University - AB cum laude, concentrating in Biology | 6/5/1997 |

Employment History

| | |
|---|----------------------|
| Guilford College - Visiting Assistant Professor of Biology | 8/1/2012 - 5/31/2016 |
| Independent Biological Consultant – Seabird Conservation | 2/1/2010 - Present |
| Jadora International, LLC – Founding partner developing a forest carbon offset project in the Democratic Republic of Congo | 4/1/2008 - 1/15/2010 |
| Elon University - Assistant Professor of Biology | 8/1/2004 – 5/31/2008 |

Leadership

| | |
|---|----------------------|
| Board of Directors, Environmental Protection in the Caribbean | 6/1/2012 - Present |
| Co-Chairperson, Seabird Working Group of BirdsCaribbean | 7/31/2007 - Present |
| President, Carriage Hill Homeowners Association | 2/1/2016-Present |
| Guilford College Committee on Compensation | 8/31/2015-5/15/2016 |
| Parkwood Elementary School PTA President | 7/1/2011 – 6/30/2012 |

Project Management Experience

| | |
|---|-----------------------|
| Designed and Implemented 7-day student excursion to the Bahamas | 5/16/2015 – 5/23/2015 |
| Trained conservationists to protect seabirds | |
| Union Island, St. Vincent and the Grenadines | 6/10/2012-6/17/2012 |
| Bequia Island, St. Vincent and the Grenadines | 6/22/2015-6/25/2015 |
| San Salvador Island, The Bahamas | 7/20/2016-7/22/2016 |
| Removed invasive house mice from Allen Cay, an important breeding site for seabirds and endangered iguanas in the Bahamas | 10/1/2010-5/31/2013 |
| Designed and led eco-science tour to document seabird colonies in | 7/1/2011-5/31/2012 |

the Cay Sal Bank, The Bahamas

| | |
|--|----------------------|
| Designed and conducted first implementation trip for program to stop logging in a forest in the Democratic Republic of Congo | 7/1/2009-1/3/2010 |
| Studies of Avian Influenza and movements of seabirds in the Bahamas | 5/1/2008 – Present |
| Designed and managing a Geographic Information System to protect seabirds (wicbirds.net) in the Caribbean | 2/1/1998-Present |
| Designed and conducted a field study of behavior of Audubon's Shearwaters in the Bahamas | 6/1/1999 – 5/31/2013 |

Teaching Responsibilities (Course Design, Implementation, and Grading)

| | |
|---|-----------|
| Biology 111 - Molecules and Cells (8 semesters) | 2012-2016 |
| Biology 112 - Organisms, Ecology, and Evolution (3 semesters) | 2014-2016 |
| Environmental Studies 101 - Introduction to ENV5 (3 semesters) | 2013-2015 |
| Biology 250 - Natural Science Seminar to the Bahamas (1 summer session) | May 2015 |
| Biology 221 - General Zoology (6 semesters) | 2005-2008 |
| Biology 101 - Introductory Biology for Non-majors (8 semesters) | 2004-2008 |
| Environmental Studies 101- Laboratory (2 semesters) | 2006-2007 |

Selected Publications and Reports

- Mackin WA. 2016. Current and former populations of Audubon's Shearwater (*Puffinus lherminieri*) in the Caribbean Region. *Condor* 118: 655-673.
- Mackin WA, Moore P, Lee DS, Ferguson LE. 2015. Seabirds of the Cay Sal Bank, The Bahamas. *Waterbirds* 38: 407-414.
- Sutton, AH, Sorenson LG, Mackin WA, Haney JC, and Wheeler J. 2015. Caribbean Seabirds Monitoring Manual -- Promoting Conservation of Seabirds and their Marine Habitats through Monitoring. Caribbean Birdwatch Series, Volume 2. BirdsCaribbean: Arlington, VA. 108 pp.
- Mackin WA, Wheeler JA, Haney JC, Sorenson LG, and Sutton AH. 2013. Strategies for Protecting and Restoring Populations of Seabirds of the Caribbean: A Prioritization for Conservation Funds from the Deepwater Horizon Spill. Report produced for BirdsCaribbean and the National Fish and Wildlife Foundation.
- Jodice PGR, Tavano J, Mackin WA. 2013. Chapter 8: Marine and Coastal Birds and Bats.

In: Michel J, editor. South Atlantic Information Resources: Data Search and Literature Synthesis. U.S. Department of the Interior, Bureau of Ocean Energy Management, Regulation, and Enforcement, Gulf of Mexico OCS Region, New Orleans, LA. OCS Study BOEM 2013-01157. p. 475-602.

Mackin WA. 2009. A GIS of Breeding Sites. In: Bradley PE, Norton RL, editors. An Inventory of Breeding Seabirds of the Caribbean. Gainesville: University Press of Florida. p. 232-258.

Mackin WA. 2005. Neighbor-stranger discrimination in Audubon's Shearwater (*Puffinus l. lherminieri*) explained by a "real enemy" effect. Behavioral Ecology and Sociobiology 59(2):326-332.

Lee DS, Mackin WA. 2004. Demise of a White-tailed Tropicbird colony in the Exumas Land and Sea Park. Bahamas Journal of Science 11(2):1-11.

Mackin WA. 2000. The West Indies seabird geographic information system. In: Schreiber EA, Lee DS, editors. The Status and Conservation of Seabirds in the West Indies. Ruston, LA: Society of Caribbean Ornithologists, Special Publication 1. p. 174-181.

Certifications

| | |
|--|---------------------|
| Master Bird Bander, United States Geological Survey | 4/10/2007 - Present |
| Project Level Greenhouse Gas Accounting (W.R.I.) Certificate | 7/5/2010 |

Grants Received as Principal Investigator

| | |
|--|------|
| National Fish and Wildlife Foundation Recovered Oil Fund (\$148,000) | 2011 |
| Conservation, Education, and Research Opportunities Award (\$7,000) | 2007 |
| Animal Behaviour Society Graduate Student Award (\$1000) | 2002 |
| American Museum of Natural History Chapman Award (\$1000) | 2002 |
| Cooper Ornithological Society Mewaldt-King Award (\$1000) | 2000 |
| Georgia Ornithological Society Award (\$1500) | 1999 |

References

| | | |
|---------------------------------|--------------|--------------------------|
| Patrick Jodice (Collaborator) | 864-656-6190 | pjodice@clemson.edu |
| Predensa Moore (Collaborator) | 242-557-1199 | denmor@coralwave.com |
| Chuck Knapp (Shedd Aquarium VP) | 312-692-2735 | cknapp@sheddaquarium.org |
| Haven Wiley (PhD Advisor) | 919-960-1340 | rhwiley@email.unc.edu |