

JOHN ENGLISH KNOWLES

jek15@duke.edu

Career interests: Biodiversity preservation; endangered species management; turtle conservation.

EDUCATION

MASTER OF ENVIRONMENTAL MANAGEMENT, December 2007

Nicholas School of the Environment and Earth Sciences

Duke University, Durham, NC

CERTIFICATE IN GEOSPATIAL ANALYSIS, December 2007

Master's project: An assessment of hotel beachfront lighting and its effect on the survival of endangered marine turtles in Barbados, West Indies.

Concentration: Ecosystem science and conservation.

Coursework in population viability analysis, environmental and natural resource law, terrestrial and marine conservation biology, landscape ecology, economics, statistics, beach and island geological processes and landuse principles and policy.

Honors: Nicholas School Merit Scholarship for graduate study, 2006 recipient of the Kuzmier-Lee-Nikitine Internship Fund, \$3,000.

BACHELOR OF SCIENCE, *summa cum laude*, June 2005

University of North Carolina at Wilmington, Wilmington, NC

Major: Biology and environmental sciences.

Senior thesis: Sediment-associated P in drainage features in southeastern NC.

Honors: Recipient of Senior Medallion, the most prestigious leadership award presented by UNCW, Honors Scholars Program Merit Scholarship, Environmental Studies and Biology Scholarship, Chancellor's Achievement Award, and Dean's List.

Spanish language training: Universidad de Salamanca, Salamanca, Spain, 2003.

PROFESSIONAL EXPERIENCE

Conservation Project Assistant, The Nature Conservancy, Durham, NC

Generated GIS maps for timber appraisals, hunt clubs, the State Property Office of NC, TNC staff and the NC Wildlife Resources Commission. Directed NC land trusts in land acquisitions through a spreadsheet guide created from a GIS analysis.

Compiled a geodatabase for the State Property Office of NC matching their tax parcels with TNC tract names. Aided in completing grant applications by researching and compiling Natural Heritage Program data, performing required GIS calculations, resulting in a multi-million dollar contribution from the NC Clean Water Management Trust Fund for riparian easements. 2005-2007

Field Patrol Officer, Barbados Sea Turtle Project, Barbados, WI

Monitored the southwest coast of Barbados, collecting biometric and GPS data on adult and hatchling hawksbill turtles on a nightly basis. Logged 33 SCUBA dives as part of the in-water tagging program. Operated the national sea turtle hotline, responding to turtle activity and answering general questions. Delivered public presentations to hotel guests on sea turtle conservation. May-November 2006

OTHER EXPERIENCE

Research Intern, Chicago Capital Funds, LLC, Barbados WI, Fall 2006

Volunteer, Karen Beasley Sea Turtle Hospital, Topsail, NC, 2001-2005

ADDITIONAL INFORMATION

Proficient in ArcGIS 9.1, MS Office, R, ERDAS Imagine 9.1.

Familiar with Dreamweaver, MATLAB.

Attendant of the 25th-27th Annual Symposium on Sea Turtle Biology and Conservation and the 2006 Student Conference on Conservation Science.

Presented at the Southern Regional and the National Collegiate Honors Council Conferences, 2004.