

MAURA PATRICIA DUDLEY

Odum School of Ecology

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EDUCATION

UNDERGRADUATE 2004-2008	University of Notre Dame Department of Biological Sciences Notre Dame, IN	Bachelor of Science, Env. Science
GRADUATE 2008-2010	Duke University Nicholas School of the Environment Durham, NC	Master's of Env. Management, Env. Sci. and Conservation

HONORS AND AWARDS

2013	Presidential Fellowship, University of Georgia Graduate School
2011	San Antonio River Authority Leadership Mentoring Program Selection
2010	Society of Wetland Scientists 2010 Annual Meeting – Best Student Oral Presentation Award
2010	Duke University Nicholas School Virilis L. Fischer Award for Highest Academic Achievement
2010	Society of Wetland Scientists – Wetland Foundation Conference Travel Grant
2009	Duke University Nicholas School Alumni Scholarship
2004	Girl Scout Gold Award (Girl Scout equivalent to Eagle Scout Award)

PUBLICATIONS IN PREPARATION

Dudley, MP., M. Ho and C. Richardson. In prep. Restored streams support different turtle communities than reference streams in the southeastern Piedmont, USA. Target Journal: Ecological Applications

CONFERENCE PRESENTATIONS

Dudley, MP., M. Ho and C. Richardson. 2010. The effect of stream restoration on turtle species assemblages in the Piedmont region of North Carolina, USA. Society of Wetland Scientists 2010 Meeting, Salt Lake City, UT. Oral Presentation.

GRANTS

2013 Five Star & Urban Waters Restoration Program
Grant written on behalf of the Blue Heron Nature Preserve for restoration of native vegetation in an urban park. 2013-2014 (\$20,005 received)

TEACHING EXPERIENCE

2010. US Environmental Policy for undergraduates. Duke University, Advisor: Dr. Genevieve Fisher

2009. Applied Statistics of Environmental Science for graduates. Duke University, Advisor: Dr. Song Qian

2007. General Ecology for undergraduates. University of Notre Dame, Advisor: Dr. Jason McLachlan

RESEARCH EXPERIENCES

Summer 2009	Duke University Advisor: Dr. Curtis Richardson	Effect of stream restoration on turtle species assemblages in the Piedmont Region of North Carolina, USA
Fall 2007-Spring 2008	University of Notre Dame Advisor: Dr. Jessica Hellmann	Effect of global climate change on the hybrid zone of <i>Papilio canadensis</i> and <i>Papilio glaucus</i>
Summer 2007	University of Notre Dame Environmental Research Center, Montana Advisor: Dr. Gary Belovsky	Relative seed predation of <i>Peromyscus maniculatus</i> on native and invasive species pairs from the same genus
Summer 2006	University of Notre Dame Environmental Research Center, Michigan Advisors: Dr. Karen Francl and Dr. Gary Belovsky	Habitat and nesting preferences of <i>Chysemys picta belli</i>

PROFESSIONAL EXPERIENCE

Fall 2012-Present	Blue Heron Nature Preserve Supervisor: Nancy Jones	Grant Writer/Educational Specialist: Spearhead grant-writing efforts for USEPA 319 Grant for wetlands restoration project; Design and execute educational events for local community
Fall 2012-Present	University of Georgia Supervisor: Troy Simon	Research Assistant: Assist graduate student with study of streams in Trinidad by identifying macroinvertebrates to genus
Fall 2010-Spring 2012	San Antonio River Authority Supervisor: Matthew Driffill	Education Coordinator: Designed curriculum and conducted presentations for students K-12 and adult groups related to riverine ecosystems
Spring 2010	Duke University Wetland Center Advisor: Dr. Curtis Richardson	Educational Workshop Coordinator: Began development of three educational workshops on wetland importance and function; developed permanent interpretive signage for campus wetland
Fall 2009	Duke University Wetland Center Advisor: Dr. Curtis Richardson	Student Mentor: Assisted a high school student with an independent research project, including research design, fieldwork and analysis
Spring 2009	Duke University Nicholas Inst. for the Environment Advisor: Bill Holman	Research Assistant: Developed methods for estimating ecosystem services of land conservation parcels using GIS; Presentation of results to Triangle Land Conservancy

Fall 2008- Spring 2009	Duke University Wetland Center Advisor: Dr. Curtis Richardson	Research Assistant: Assist with field data collection, such as soil core sampling and conducting vegetation surveys. Performed laboratory nutrient analyses of soil and water samples
Fall 2008	Duke University Lab of Dr. Rob Jackson Advisor: John Kim	Research Assistant: Assisted with soil analyses
Summer 2005, Summer 2008	University of Pittsburgh Graduate School of Public Health Supervisor: Dr. Edmund Ricci	Research Assistant: Conducted phone interviews
Summer 2005	University of Pittsburgh Department of Family Medicine Supervisors: Dr. Richard Zimmerman and Ms. Judy Troy	Research Assistant: Data entry and mailing assembly
Summer 2005	University of Pittsburgh Graduate School of Public Health Supervisor: Dr. Edmund Ricci	Research Assistant: Conducted library research on the epidemiology of natural disasters
Fall 2006- Spring 2008	University of Notre Dame Notre Dame Security Police Supervisor: William Hedl	Student Call Taker, Supervisor Fall 2007-Spring 2008

ACTIVITIES AND SERVICE

Fall 2012-Present	Jerusalem House Seasonal Activity Participant	Volunteer
Fall 2008-Spring 2010	Duke Student Association of Wetland Scientists	Member (Co-President Fall 2009-Spring 2010)
Spring 2009- Spring 2010	Duke Gardens Hospital Volunteer	Volunteer with children in the hospital by running Science Day
Fall 2004-Spring 2008	University of Notre Dame Marching Band	Xylophone player, CORE leader Fall 2007
Winter 2005, 2006, 2007, 2008	University of Notre Dame Percussion Ensemble	Mallet player
Winter 2005, 2006, 2007, 2008	University of Notre Dame Hockey Band	Cymbal Player

Fall 2005-Spring
2008

University of Notre Dame
Biology Club

Humane Society coordinator, Environmental
Coordinator, Vice President 2007-2008

Fall 2006-Spring
2008

Casa de Amistad Food Pantry

Volunteer