

**Amy Williams**  
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## Education

Texas A&M University, College Station, TX, PhD of Forestry                      expected May 2010

Texas A&M University, College Station, TX, Masters of Forestry                      Aug 2007

Rutgers, The State University of New Jersey, New Brunswick, NJ,                      May 2005  
B.S. Natural Resource Management, Minor in Marine Science  
Certificates: Environmental Geomatics; NJ Teaching License

Study Abroad: University of Queensland, St. Lucia, Queensland, Australia,                      Spring 2003

**Research Interests:** *Coastal Research, Coastal Management, Environmental Education*

## Research and Teaching Experience

Graduate Research Assistant/Graduate Teaching Assistant                      Jan 2006- present  
Department of Ecosystem Science and Management, Texas A&M University

- *Data Collected:* Topography measurements using survey equipment and Trimble GPS units on raked and unraked beaches, growth of plants treated with *Sargassum*, a type of brown algae, and observations of the *Sargassum* Policy Committee in Galveston, TX for my master's thesis.
- *Analysis:* ArcGIS, Microsoft Excel, SPSS (statistical software)
- *Purpose:* The data will contribute to improving beach management practices.
- *Teaching Responsibilities:* Instructed Introduction to GIS lab

Undergraduate Teaching Assistant                      Sept 2004-Dec 2004  
Department of Natural Resource Management, Rutgers University, NJ

- Assisted with Dendrology Course
- Instructed students in field identification, graded exams

Marine Science Field Technician                      Aug 2004  
Rutgers University Marine Science Field Station

- Performed a variety of fishery sampling techniques, such as seining, weiring and tracking with hydrophones
- Identification of larval fish

Research in Ocean Sciences Summer Fellow                      May 2004-Aug 2004  
Institute of Marine and Coastal Sciences, Rutgers University, NJ

- Collected samples of arthropods in wrack lines on raked and unraked beaches in Brigantine, NJ for undergraduate honors thesis
- Analysis of data using Microsoft Excel and SAS
- Findings presented through the George H. Cook Scholar Program Class of 2005 Thesis: "Impact of Beach Raking on the Macro-invertebrates of Phylum Arthropoda" and oral presentation that different sample areas resulted in different arthropod orders being present, which indicates that there are different niches of arthropod habitats on the coast and the niches are altered by beach raking.

Educational Outreach Instructor                      Jun 2002-Aug 2002  
Branching out of the Youth of NJ, US Department of Agriculture/ US Forest Service

- Environmental education demonstrations throughout NJ on watersheds, invasive species and forests through activities from Project Learning Tree, Project Wild, Project Wet and other resource books

## **Publications**

**Williams, A.**, Feagin, R., and Stafford, A. Environmental impacts of beach raking of Sargassum on Galveston Island, TX. *Shore and Beach*. *In Review*.

Feagin, R.A., **Williams A.M.**, Sediment spatial patterns in a Hurricane Katrina overwash fan on Dauphin Island, Alabama. *Journal of Coastal Research*. *In Press*.

## **Presentations**

**Williams A.M.**, Feagin, R., and Stafford, A. Environmental impacts of beach raking of Sargassum on Galveston Island, TX. American Shore and Beach Preservation Association/General Land Office Fall Coastal Conference: Caring for the Coast: Protecting, Enhancing, Preserving Galveston, TX, October 2007.

**Williams A.M.**, Feagin, R.A. (2007). The Effects of *Sargassum sp*, a brown algae, on dune plant growth of species *Panicum amarum*. Oral Presentation at Ecological Society of America/Society for Ecological Restoration International Joint Meeting: Ecological Restoration in a Changing World, August 2007.

**Williams A.M.**, Feagin, R.A. (2007) Surface Sediment Distribution of an Overwash Fan on Dauphin Island, Alabama after Hurricane Katrina. Poster Presentation at Texas A&M's Student Research Week.

**Williams A.M.**, Feagin, R.A. (2006). The spatial distribution of sediment in Hurricane Katrina overwash fans on Dauphin Island, Alabama. Poster Presentation in Restore America's Estuaries' 3<sup>rd</sup> National Conference on Coastal and Estuarine Habitat Restoration 2006.

## **Technical Skills**

- Microsoft Office (Word, PowerPoint, Excel, Access);
- ArcGIS (ArcMap, Arc Catalog, ArcView),
- ESRI

## **Professional Service and Activities**

- Sigma Xi: The Scientific Research Society: Texas A&M Chapter 2006
- Member of the Sargassum Policy Committee in Galveston Texas during Spring/Summer 2006

## **Honors and Awards**

- The American Shore and Beach Preservation Association Educational Award Recipient
- Department of Ecosystem Science and Management Travel Grant 2007
- Outstanding Masters Students, Department of Ecosystem Science and Management, 2007
- Department of Rangeland Travel Grant recipient 2006
- Restore America's Estuaries Scholarship recipient 2006
- Rutgers Undergraduate Research Fellow 2004-2005
- New Jersey Forestry Foundation Scholarship 2004-2005
- Association of New Jersey Environmental Commissions 2004 Lechner Scholarship
- Michael Kuser Scholarship 2004
- Golden Key Honor Society Fall 2002
- Rutgers University Dean's List

## **Certification**

- Scuba Diving: PADI Rescue Diver Certified, Y-Scuba Nitrox Certified

## **Other Work History**

Office Assistant/Receptionist

Dec 2000-Jan 2007

The Tax Authority Inc DBA Jackson Hewitt Tax Authority: Processing Assistant

- Data entry, prepared mailings, coordinated phone installations, and various other needs of the office
- Developed people-skills through working with area managers of individual offices and customers

## **Volunteer Experience**

Florida Fish and Wildlife Conservation Commission

2007

- Field collection of fishery data through 600 meters nets, 30 meter nets and trawling nets
- Field identification of fish

Volunteer/Shift Manager

1997-1999

Wounded Knee Wildlife Refuge

- Fed animals, cleaned cages, managed four hour shifts, trained new volunteers
- Hands-on experience with squirrels, rabbits, raccoons, opossums, birds, ducks, bats, deer, and foxe

Volunteer

Summer 2000

Red Lion Wildlife Refuge: Volunteer

Meals on Wheels (Bryan, Texas)

Feb to May 2007