

Katie M. Bowers

Research Assistant—Texas A&M University at Galveston
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Education

- 2011 M.S., Environmental Science
Minor: Wetland Science and Management
Louisiana State University—Baton Rouge, LA
- 2008 B.S., Biology
Georgia College and State University—Milledgeville, GA

Work Experience

- 2011-2012 **Biological Science Technician** US Fish & Wildlife Service, Atlanta, GA
Reviewed biological field notes and data in order to summarize and present data that supports federal action effects on coastal wildlife species with regards to the Gulf Coast Oil Spill cleanup and in coordination with Section 7 of the Endangered Species Act.
- 2009-2011 **Graduate Research Assistant** Louisiana State University, Baton Rouge, LA
Utilized organizational skills, research, and Geographical Information System (GIS) procedures to summarize US Census county and zip code data, historical county data, and Louisiana recreational and fishing permits in coordination with resiliency and vulnerability in communities of Louisiana. Created, researched, and defended a thesis titled “A look at the Integration of Wetlands and Hazard Mitigation Planning in Coastal Louisiana” that used word clouds and statistical analyses to determine if and how wetlands are used in parish hazard mitigation plans.
- 2008-2009 **Intern-Volunteer** US Fish & Wildlife Service, Athens, GA
Developed a GIS file and map showing all mitigation banking projects in GA; aided in development and implementation of baseline and water quality assessments below dams in GA; conducted field investigations to survey newly constructed water culverts and the associated aquatic habitats; reviewed 404 applications and permits for impacts to streams, wetlands, and T/E species
- Summer 2008 **Biological Technician (Intern)** Environmental Protection Agency, Atlanta, GA
Aided in material and research preparation for Children’s Health Month and the Children’s Environmental Health Campaign, which included creating PowerPoints, games, and fact cards in relation to climate change, recycling, and other energy-saving activities. Compiled data from lead files involving permitting research and employee interviews to create flowcharts, logic models, and better organized spreadsheets in Excel.

Volunteer Experience

- 2009-2011 **Coast and Environment Graduate Organization, LSU**

As Education Outreach Chair:

Enlisted and organized volunteers for different environmental events (Earth Day, lake cleanup, Children's Tent at Jazzfest, Ocean Commotion); created exhibits involving wetlands, recycling, marine awareness, fish printing; created duty lists, edited maps, and collaborated with other organizations

Volunteered:

LSU Fall Fest for Recycling/Composting

Cleanup of LSU Lakes

Earth Day to educate public about wetlands, recycling, and composting

Ocean commotion to educate youth about wetlands, recycling, composting, and the effects on marine wildlife and environment

Aided in organizing the Graduate Student Symposium—edited and proofread abstracts while rendering main objectives to organize themed sessions for the event

2007 **Academic Outreach, GCSU**

Collaborated with other students and professors in educating children and young adults about geology, wildlife, and the proper use of microscopes. Also volunteered at the Boys and Girls Club to tutor children in many subjects.

Honors and Awards

Graduated top 10% of class (LSU & GCSU)

Magna Cum Laude (GCSU)

President's & Dean's list every semester (GCSU)

2009 USFWS Regional Director's Volunteer Award for exceptional work

Professional/Science Memberships

Golden Key International Society (LSU)

Student Wetland Society (LSU)

Coast and Environment Graduate Organization (LSU)

Phi Kappa Phi Honor Society (LSU & GCSU)

Beta Beta Beta Biological Honor Society (GCSU)

Alpha Lambda Delta Honor Society (GCSU)

References

Anna Armitage, Assistant Professor

Texas A&M University at Galveston, Department of Marine Biology

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Holly Herod, ES Oil Spill Response Biologist

US Fish and Wildlife Service, Ecological Services

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Robin Goodloe, Supervisory Biologist

US Fish and Wildlife Service, Ecological Field Office

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Will Duncan, Aquatic Ecologist

US Fish and Wildlife Service, Ecological Field Office

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