Curriculum Vitae

Isis Dominguez
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Education:	**Degree:**	**Year:**	**Major:**	**GPA:**
Baylor University Waco, TX 76710	B.S.	2006	Biology (Ecology) Environmental Studies	3.07
Texas A&M University- Corpus Christ, TX 78412	M.S.	IP	Biology	3.65

Professional Background:

2008—Present Graduate Research Assistant, Texas A&M University-Corpus Christi, Texas

2007—2008 Graduate Teaching Assistant for Introduction to Environmental Science, College of Science and Technology, Texas A&M University-Corpus Christi, TX

2006 Baylor University REU Intern, Baylor University-Waco, Texas. Mentor: Dr. Darrell Vodopich

Scientific Presentations:

Dominguez, I., D. Vodopich. 2007. The Distribution and Diversity of Dragonflies surrounding McLennan County Reservoirs. Texas Academy of Science meeting. Waco, TX.

Field and Research Experience:

Texas A&M—Corpus Christi, January 2008-present

The role of oysters as habitat in estuarine ecosystems

- Thesis project.
- Designed a project to characterize the macro-faunal community of an intertidal oyster reef system in a Gulf Coast Estuary

- Goals of this project include:
  → Quantification of the diversity of marine life using inter-tidal estuarine oyster reefs
  → Quantification of the diversity and abundance of marine life using inter-tidal oyster reefs in seagrass beds, marsh edge, and non-vegetated areas.
  → Evaluation of the role of predation on fish recruitment to oyster reefs
  → Quantification of the diversity and density of marine life using oyster reefs with varying levels of structural complexity

Research Experience for Undergraduates, Baylor University Summer 2006

The Distribution and Diversity of Dragonflies surrounding McLennan County Reservoirs

- Oral presentation of results given at the Texas Academy of Science meeting, March 2007.
- Created poster displaying background information, methods, and results.

Flathead Lake Biological Station, University of Montana Summer 2005

- **River Ecology—**collection and identification of aquatic macro-invertebrates. Methods in Stream ecology
- **Landscape Ecology**—Aided in preparation of proposal to Army Corps of Engineers for wetland restoration project. Aided in surveying proposed restoration site.
- **Alpine Ecology—**Characteristics of alpine flora and fauna

**All classes required data collection, data analysis, and written presentation of results in a journal format.

Team Problem Solving, Baylor University Fall 2004

Enrichment of Captive Corn Snakes

- Designed and completed research project to assess the impact of habitat enrichment on captive corn snakes.
- Presented results in a journal format.

Field School, Baylor University Summer 2004

Enrichment of Captive Animals at Cameron Park Zoo

- Designed and completed research project to assess changes in animal behavior once additions were made to their enclosures.
- Presented results and recommendations to zoo curator and staff
- Helped maintain animal enclosures

Volunteered at Sea Turtle Inc, South Padre Island

- Aided in construction of enrichment items which would aid in the simulation of the sea turtles natural environment.
- Aided in rehabilitation of injured sea turtles.
- Helped maintain facilities

Volunteer Experience:

2008 Coastal Bend Science Fair Judge—Texas A&M University-CorpusChristi. Judged 4th grade science fair projects

2004 Sea Turtle Inc, South Padre Island, TX. Aided in maintaining facilities, animal husbandry, and construction of enrichment items.

2003-2006 Habitat for Humanity—Baylor University, Waco, TX. Helped with construction of houses and volunteered at the local Restore. Historian for Baylor Habitat for Humanity.

Professional Skills:

SCUBA certification

*Extensive research, field, and lab experience**

Small boat operations, fish collection gear (i.e. gill net, throw trap samplers, seine, sled, etc.), stream/river sampling methods, experience with water quality analysis, research design, and data analysis

*Details available upon request

Extensive communication skills

Experience in preparing technical reports and presentations. Prepared lectures, quizzes, and labs as a Graduate Teaching Assistant for Introduction to Environmental Science.

Computer skills

Experience with all popular computer programs

Awards:

2008—Present Hispanic Leaders in Agriculture and the Environment ($9900/yr for M.S. studies and $2500/year for research support)

2008—2009 Texas Public Education Grant ($2000)

2008 Graduate Assistant Scholarship ($430.50)

Honors:

2006 Research Experience for Undergraduates recipient, Baylor University, Waco, TX.

2003—2006 Elected Historian for Baylor Habitat for Humanity

2003 National Society of Collegiate Scholars inductee

References:

Dr. Greg Stunz
Endowed Associate Research Professor,
Harte Research Institute for Gulf of Mexico Studies
Associate Professor of Marine Biology
Texas A&M University-Corpus Christi, HRI 213A, Corpus Christi, TX 78412-5869

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Dr. Kim Withers
Associate Research Scientist
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