

**Harris Bienn**  
**Research Assistant, The Water Institute of the Gulf**

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**Education**

**Pursuing B.S. in Environmental Engineering, Spring 2018**

Louisiana State University, Baton Rouge, Louisiana

**Marine Corps Leadership Course, September-December 2010**

United States Marine Corps Leadership Academy, Camp Pendleton, California

**Ground Intelligence Analysis, December 2008-January 2009**

Marine Corps Air Ground Combat Center, Twenty-Nine Palms, California

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**Professional Experience**

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| <b>The Water Institute of the Gulf</b> <ul style="list-style-type: none"><li>• <i>Research Assistant</i></li></ul>   | <b>2014-Present</b> |
| <b>Jacobs Engineering Group</b> <ul style="list-style-type: none"><li>• <i>Process Technician</i></li></ul>  | <b>2012-2013</b>    |
| <b>United States Marine Corps, 3<sup>rd</sup> Battalion 4<sup>th</sup> Marines</b> <ul style="list-style-type: none"><li>• <i>Section Leader</i></li></ul> | <b>2009-2012</b>    |

**Recent Projects**

**Vulnerability Assessment of Critical and Essential Facilities in Golden Meadow and Morgan City, Louisiana**  
*U.S. Army Corps of Engineers, New Orleans, Louisiana*

This ongoing study will assess variations in the exposure of critical facilities and infrastructure to SLR and storm surge within two coastal Louisiana communities, Morgan City and Golden Meadow. The potential range of SLR at each location will be determined using data modeled for Louisiana's Coastal Master Plan under three future risk scenarios. These scenarios will be used to predict when the facilities might be expected to experience SLR impacts and what the magnitude of those impacts might be.

**Assessing Temporal and Spatial Variability in Community and Parish Level Responses to Oil Spills and Other Events in Coastal Louisiana**

*U.S. Bureau of Ocean Energy Management, New Orleans, Louisiana*

This ongoing study, a partnership with the University of Arizona Bureau of Applied Research in Anthropology, seems to expand and enhance understandings of the socioeconomic effects of major disruptive events, such as oil spills, hurricanes, floods, and drought, on communities in the short- and long-term and to understand the cumulative effects of such events on communities.

**Modeling current and future river needs to maintain fish and freshwater forest habitat in the Lake Maurepas basin**

*The Charles Lamar Family Foundation*

Using the Integrated Compartment Model developed by the Institute and partners for use in the 2017 Coastal

Master Plan, Institute researchers used the model in a new way to determine how changes – either more water or less water – to the flow of the river would impact the estuary at Lake Maurepas. In this pilot project for the Amite River, researchers also wanted to determine how forces such as sea level rise, subsidence and projects included in Louisiana’s 2017 Coastal Master Plan could impact the river’s flow, both now and into the future.

### **Reports**

1. Scott A. Hemmerling, Tim J.B. Carruthers, Ann C. Hijuelos, Sequoia Riley, and Harris C. Bienn. 2016. Trends in Oil and Gas Infrastructure, Ecosystem Function, and Socioeconomic Wellbeing in Coastal Louisiana, The Water Institute of the Gulf, Baton Rouge, LA, WISR-001-2016.
2. Scott A. Hemmerling, F. Ryan Clark, and Harris C. Bienn. 2016. Water Resources Assessment for Sustainability and Energy Management, The Water Institute of the Gulf, Baton Rouge, LA

### **Awards and Honors**

- Navy Achievement Medal, July 2011
  - Awarded for the successful implementation of a foreign military training program that resulted in over 215 hours of classroom instruction and 40 hours of practical application. Overall led to greater mission capability for the Jordanian Armed Forces.
- Certificate of Commendation, July 2010
  - Awarded for excellence in leadership after graduating as honor graduate at the United States Marine Corps Leadership Academy in Camp Pendleton, California.
- Good Conduct Medal, April 2011
  - Awarded for four years of honorable service in the United States Marine Corps.
- Afghanistan Campaign Medal, December 2009, September 2010
  - Awarded for two combat deployments in support of Operation Enduring Freedom.
- Combat Action Ribbon, January 2010
  - Awarded for actions taken against enemy forces during consecutive deployments to Afghanistan in support of Operation Enduring Freedom.
- Meritoriously promoted to Private First Class (July 2008), Corporal (December 2009), and Sergeant (July 2011).

### **Hobbies**

- Avid outdoorsman, enjoy backpacking and fishing. Multiple treks throughout the Lower Appalachians, the Sierra Nevadas, and the Mojave Preserve.
- Experienced technical diver with more than 50 hours underwater. Capable of underwater surveying and conduct of search and rescue activities.

### **Volunteering**

- Habitat for Humanity
- The Nature Conservancy
- Greater Baton Rouge Food Bank