



**THE WATER
INSTITUTE**



UPDATES FROM THE WATER INSTITUTE

DECISIONS BASED ON SCIENCE

The Water Institute is an independent, non-profit, applied research institution advancing science and developing integrated methods to solve complex environmental and societal challenges. We believe in, and strive for, more resilient and equitable communities, sustainable environments, and thriving economies.

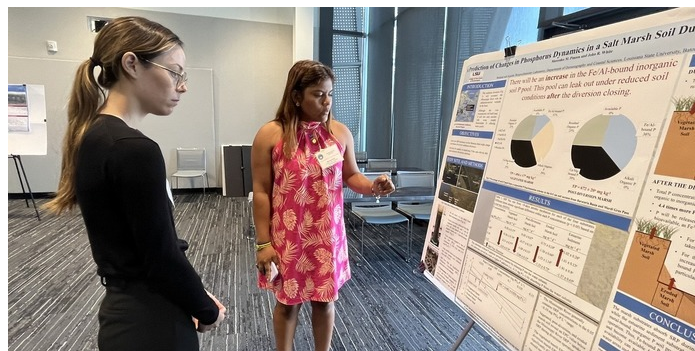
Here are a few updates on the work The Water Institute is doing to advance science, planning, policy, and technology towards a more sustainable future.

Supporting university research for Louisiana's coast

The Louisiana Coastal Master Plan is a science-based framework for how the state is working toward restoration and protection of ecosystems and communities

across the coastal zone. To help inform that plan, the RESTORE Act Center of Excellence for Louisiana (LA-COE) was formed to administer a competitive grants program for Louisiana-based researchers and partners, as well as to help fund graduate student work to support the next generation of researchers.

Read more about the program [here](#).



Helping communities find more resilient futures

Jacksonville is a rapidly growing city. Its vast land area and diverse industries, along with mainstays like the



city's military bases and port, have made Jacksonville a dynamic place for businesses and residents to prosper. Jacksonville has also encountered its share of challenges and will face new and increasing challenges in the future; particularly those brought on by climate change. To get in front of these challenges, The Water Institute is working with city leaders and community members to

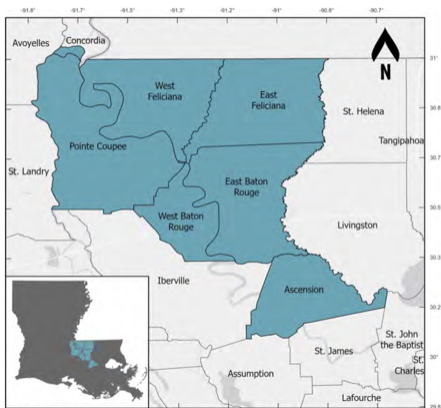
develop a comprehensive resilience strategy. The release of the final strategy is expected in October. Read more about the work [here](#) and [here](#).

Bringing researchers and project managers together for better coastal restoration

Coastal researchers and coastal project managers may work in a similar environment, but unfortunately many times the research and the practical day-to-day operations don't connect. Collaboration between these two



groups is important so that the research can inform management and management can bring new perspectives to research. The Water Institute, along with numerous partners, started the Bay Densse Living Lab to allow researchers to test their ideas at a large scale while working with coastal project managers to improve communication between research and action. Read more about the work [here](#).



Sustainable water for the capital region

Saltwater intrusion into the Southern Hills Aquifer System supplying the Baton Rouge area with groundwater has been recognized as a concern for decades. As part of their effort to combat this challenge, the Capital Area Ground Water Conservation District began working with The Water Institute to develop a long-term strategic plan to ensure a safe water supply for all users. Read more [here](#).

Cumulative effects of restoration on barrier islands

With so much coastal restoration going on along the northern Gulf of Mexico, there is a question of how all these projects interact and how they might impact future restoration. A project between United States

Geological Survey and The Water Institute is looking at the cumulative effects of restoration on barrier islands and shorelines. Read more about this work and other sediment related projects [here](#).



IN CASE YOU MISSED IT

- Deep Blue Economy Primer podcast featuring The Water Institute Acting President and CEO Beaux Jones
- New paper, "Evaluation of emission reduction and other societal and environmental outcomes: Structured decision making for the Louisiana climate action plan"
- The Water Institute proud to support Louisiana Wildlife Federation's Lights Out for Fall Bird Migration
- New paper: Quantifying the Potential Contribution of Submerged Aquatic Vegetation to Coastal Carbon Capture in a Delta System from Field and Landsat 8/9-Operational Land Imager (OLI) Data with Deep Convolutional Neural Network
- Jordan Fischbach, The Water Institute, presents on "Enhancing Benefits Evaluation for Water Resources Projects: Towards a More Comprehensive Approach for Nature-Based Solutions."



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