



South Delacroix Marsh Creation (BS - 47)

Project Status

Approved Date: 2024
Approved Funds: \$4 M
Net Benefit After 20 Years: 332 acres
Status: Engineering and Design
Project Type: Marsh Creation
PPL #: 33

Location

This project is located in Region 2 within Plaquemines Parish and the Breton Basin south of the community of Delacroix and east of Bayou Gentilly.

Problems

Hurricanes Katrina, Rita, and Ida caused the majority of wetland loss in the project area. Wind erosion and saltwater intrusion have resulted in loss of marsh vegetation and wetland soils. Marsh loss has increased exposure of Delacroix to flooding from the south. The USGS expanded project boundary loss rate is -1.7%/year from 1985 to 2022 for the extended project boundary area.

Restoration Strategy

The project goal is to create and nourish approximately 413 acres of marsh utilizing a layout to help protect the community of Delacroix. The layout will be synergistic with projects funded for construction including the immediately adjacent Mid Breton Land Bridge Marsh Creation and Terracing Project (BS-32) and East Delacroix Marsh Creation and Terracing Project (BS-37). Together these projects play a critical role in completing the Breton Land Bridge as described in the 2023 State Master Plan. The project would increase fisheries productivity in the immediate area for commercially and recreationally important species. Much of the community of Delacroix's



Open water that used to be healthy marsh prior to impacts by Hurricane Katrina. It will be restored through implementation of the South Delacroix Marsh Creation Project. Photo Credit: NOAA

economy depends on the fishing industry. Sediment would be hydraulically dredged from Petit Lake and placed in two confined disposal areas creating 390 acres of marsh and nourishing 23 acres of existing marsh. Containment dikes will be gapped no later than three years after construction to allow fisheries access and reestablish hydrologic connectivity. This project would be one of the final pieces in the overall Breton Land Bridge concept and the closest piece to the community of Delacroix.

Progress to Date

This project was approved for Phase I Engineering and Design in January 2024.

The Project is on Priority Project List (PPL) 33.

For more information, please contact:

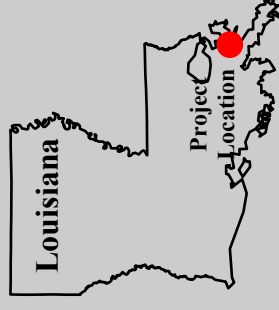


Federal Sponsor:
 National Marine Fisheries Service
 Baton Rouge, LA
 (225) 389-0508



Local Sponsor:
 Coastal Protection and Restoration Authority
 Baton Rouge, LA
 (225) 342-4736

South Delacroix Marsh Creation (BS-47)



Map Produced by:
U.S. Department of the Interior
U.S. Geological Survey
Wetland and Aquatic Research Center
Lafayette, La.

Background Imagery:
2023 NAIP Photography

Map Date: February 21, 2024
Map ID: USGS-NWRC 2024-11-0006
Data accurate as of: January 24, 2024

