



North Delacroix Marsh Creation and Terracing (BS-41)

Project Status

Approved Date: 2020 **Project Area:** 649 acres
Approved Funds: \$41 M **Total Est. Cost:** \$42 M
Net Benefit After 20 Years: 267 acres
Status: Construction
Project Type: Marsh Creation
PPL #: 29

Location

The project is located in Region 2, Breton Basin, St. Bernard Parish.

Problems

Hurricanes Katrina and Rita caused the majority of wetland loss in the project site. 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 east/southeast. The 1984 to 2024 USGS loss rate is -1.14%/year for the extended project boundary area.

Restoration Strategy

The project goal is to create and nourish approximately 378 acres of marsh and construct approximately 7,250 linear feet of terraces utilizing a layout to help protect the community of Delacroix.

Sediment would be hydraulically dredged from Lake Amedee and placed into two confined disposal areas creating 278 acres of marsh and nourishing 100 acres of existing marsh. Two creation cells allow a channel for drainage. Approximately 7,250 linear feet of earthen terraces would be constructed. The terraces would be strategically placed east of the northern marsh creation cell and south of the southern cell. Dewatering of the marsh creation cells into areas adjacent to the terraces would take advantage of sediment laden water trapping the particulates to create additional marsh. Terraces would be planted with appropriate bare root plants 2.5 ft apart in one row per side and crown. Created marsh will not be planted.

Containment dikes will be gapped no later than three years after construction.



NOAA staff gather data to inform project design.

Progress to Date

The project was approved for Phase I Engineering and Design in January 2020. The project was approved for Phase II Construction in January 2025.

The project is on Priority Project List (PPL) 29.

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) 342-4733

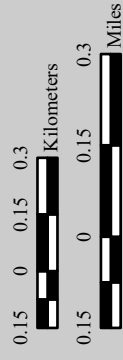
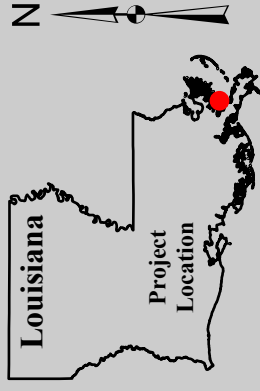
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 Marsh Creation*

 Terraces

 Project Boundary

*denotes proposed features



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

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