rev. April 2013
Cost figures as of: February 2017

Madison Bay Marsh Creation and Terracing (TE-51)

Project Status

Approved Date: 2006 **Project Area:** 943 acres
Approved Funds: $1.73 M **Total Est. Cost:** $1.73 M
Net Benefit After 20 Years: 334 acres
Status: Engineering and Design
Project Type: Marsh Creation
PPL #: 16

Location

The 1,250-acre project area is located in Terrebonne Parish, Louisiana, east of Wonder Lake and adjacent to the Bayou St. Jean Charles Ridge.

Problems

This area has experienced tremendous wetland loss due to a variety of forces including subsidence, salt water intrusion, a lack of sediment supply, and oil and gas activities. The loss of these marshes has exposed significant infrastructure to open water conditions, and has made the project area less suitable for various wildlife and fish species.

Restoration Strategy

Project goals include creating and nourishing marsh and associated edge habitat, and promoting conditions conducive to the growth of submerged aquatic vegetation (SAV). Secondarily, proposed terraces will reduce the wave erosion of created and existing marshes along the fringes of Madison Bay.

Project goals include creating and nourishing 470 acres of brackish marsh and constructing about 24,600 linear feet (LF) of terraces. Approximately one-half of the marsh creation area will be planted with smooth cord-grass or marsh hay cord-grass. Reducing shoreline erosion would protect about 6 acres of existing marsh (from existing marsh in terrace field only), and the percent cover of SAV is projected to increase in the project area.

Progress to Date

Project design is underway, with the project Phase 2 request (construction authorization) expected in December 2013.

The estimated total fully funded project cost is $36,645,499.

This project is on Priority Project List 16.

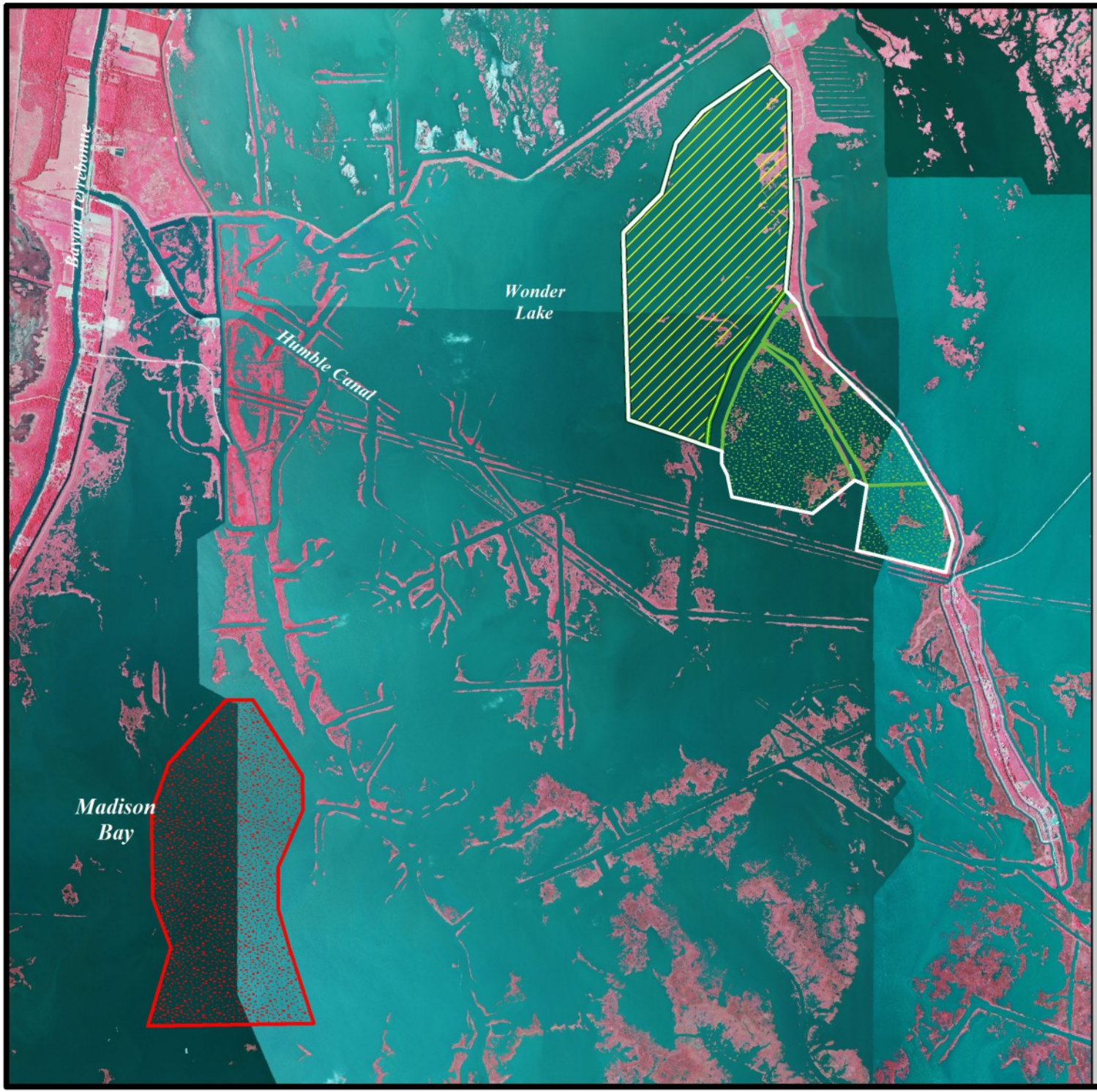
This dredge pipe is rebuilding marsh by depositing sediment dredged from a nearby borrow area. The placed sediment will reach an elevation conducive for growing and sustaining marsh vegetation.

The above terraces are an example for the proposed project. These terraces would help protect the created and existing marshes from wave erosion.

For more project 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



Madison Bay Marsh Creation and Terracing (TE-51)

- Terrace Field*
- Marsh Creation *
- Borrow *
- Project Boundary

*denotes proposed features

USGS science for a changing world

Louisiana

Project Location

N

0.25 0 0.25 0.5 Kilometers

0.25 0 0.25 0.5 Miles

Map Produced by:
U.S. Department of the Interior
U.S. Geological Survey
National Wetlands Research Center
Coastal Restoration Assessment Branch
Baton Rouge, La.

Background Imagery:
2010 NAIP Photography

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