rev. March 2010
Cost figures as of: February 2023

Lake Borgne and MRGO Shoreline Protection (PO-32)

De-authorized

Project Status

Approved Date: 2003 **Project Area:** 465 acres
Approved Funds: $1.08 M **Total Est. Cost:** $1.08 M
Net Benefit After 20 Years: 266 acres
Status: De-authorized
Project Type: Shoreline Protection
PPL #: 12

Location

The project is located along the Lake Borgne shoreline between Doulluts Canal and Jahnckes Ditch and along the north bank of the Mississippi River Gulf Outlet (MRGO) between Doulluts Canal and Lena Lagoon in St. Bernard Parish, Louisiana.

Problems

Shoreline erosion rates in this area were estimated to be 9 feet per year along Lake Borgne and 24 feet per year along the MRGO.

Restoration Strategy

The objective of this project is to preserve the marsh between Lake Borgne and the MRGO by preventing shoreline erosion. In order to accomplish this objective, an 18,500 linear foot rock dike will be constructed along the Lake Borgne shoreline from Doulluts Canal to Jahnckes Ditch. A 14,250 linear foot rock dike will also be constructed along the north bank of the MRGO from Doulluts Canal to Lena Lagoon. Both dikes will have a layer of armor stone placed on top of a crushed stone core resting on a layer of geotextile fabric. Any flotation channel needed will be excavated with the spoil being placed behind the rock dikes. Gaps may be constructed in the dikes to allow organisms and water to move freely.

This project will help protect the fragile landbridge separating the MRGO (left side of picture) and Lake Borgne (upper right). Doulluts Canal is also visible in this photograph.

Progress to Date

The Louisiana Coastal Wetlands Conservation and Restoration Task Force approved funding for engineering and design at their January 2003 meeting. Engineering and Design were completed in March 2005. Following Hurricane Katrina MVN Operations Division received 3rd supplemental funds and constructed the Lake Bornge reach using the CWPPRA design. In January 2010, the Task Force initiated procedures to deauthorize this project.

This project is on Priority Project List 12.

For more project information, please contact:

Federal Sponsor:
U.S. Army Corps of Engineers
New Orleans, LA
(504) 862-1597

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

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Rock Dike*

Project Boundary

*denotes proposed features

N

0.5 0 0.5 Miles

0.5 0 0.5 Kilometers

Map Produced By:
U.S. Department of the Interior
U.S. Geological Survey
National Wetlands Research Center
Coastal Restoration Field Station

Background Imagery:
Digital Orthophoto Quarter Quadrangle

Map Date: December 23, 2003
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