rev. February 2008
Cost figures as of: March 2013

Barataria Bay Waterway East Side Shoreline Protection (BA-26)

Project Status

Approved Date: 1997 **Project Area:** 2,790 acres
Approved Funds: $5.22 M **Total Est. Cost:** $5.22 M
Net Benefit After 20 Years: 217 acres
Status: Completed June 2001
Project Type: Shoreline Protection
PPL #: 6

Location

The project is located in Jefferson Parish, Louisiana, on the east bank of the Dupre Cut portion of the Barataria Bay Waterway, north of the Lafitte Gas and Oil Field and south of the subsided land reclamation effort known as "the Pen."

Problems

The banks of the Dupre Cut have eroded considerably as a result of vessel wakes. Large breaches in the banks exposed the adjacent marsh to increased water exchange, tidal energy, and saltwater intrusion.

Restoration Strategy

The objective of this project was to rebuild and stabilize the east bank of the Dupre Cut. A stronger bank would reduce erosion and help reestablish wetlands by allowing sediment accretion on the leeward side of the foreshore rock dike.

The project plan involved the construction of over 3 miles of foreshore rock dike along the east bank of the Dupre Cut to protect adjacent marshes from shoreline erosion. This rock dike extends above the surface of the water and will protect the fragile marsh area from boat wakes generated within the BBWW.

Progress to Date

Construction was completed in June 2001. Baseline monitoring information has been collected and will be used to evaluate the project's effectiveness. The O&M Plan was signed in October 2002. This project is on Priority Project List 6.

Geo-textile fabric bags were filled with a lightweight aggregate and then sewn closed. These bags act as the supporting core of the shoreline stabilization structure.

This completed rock riprap structure was placed adjacent to the existing shoreline to buffer it from the erosive forces of wake-induced wave energy.

For more project information, please contact:

Federal Sponsor:
Natural Resources Conservation Service
Alexandria, LA
(318) 473-7756

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

Barataria Bay Waterway East Side Shoreline Protection (BA-26)

Shoreline Protection

Project Boundary

USGS science for a changing world

Louisiana

Project Location

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:
1998 Digital Orthophoto Quarter Quadrangle

Map Date: August 23, 2002
Map ID: 2002-11-719
Data accurate as of: August 23, 2002