rev. February 2008
Cost figures as of: March 2021

Barataria Bay Waterway West Side Shoreline Protection (BA-23)

Project Status

Approved Date: 1994 **Project Area:** 1,789 acres
Approved Funds: $3.36 M **Total Est. Cost:** $3.36 M
Net Benefit After 20 Years: 232 acres
Status: Completed November 2000
Project Type: Shoreline Protection
PPL #: 4

Location

The project is located in Jefferson Parish, Louisiana, on the west 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." The project encompasses 1,789 acres of brackish marsh and open-water habitat on the west bank of the Barataria Bay Waterway.

Problems

The banks of the Dupre Cut have eroded considerably as a result of vessel wakes. Large breaches in the banks have exposed the adjacent marsh to increased water exchange and rapid changes in salinity.

Restoration Strategy

9,400 linear feet of foreshore rock dike were constructed on the west bank of Dupre Cut to reduce excessive water exchange in the adjacent marshes. A water control structure was also installed to limit saltwater intrusion into the marsh area and to aid in the maintenance of favorable water levels for wintering waterfowl.

Progress to Date

This project was coordinated with the U.S. Army Corps of Engineers maintenance-dredging program to provide beneficial use of dredged material by placing it behind the armored levee in order to create new marsh. Construction was completed in November 2000. The O&M Plan was signed in July 2002. This project is on Priority Project List 4.

In order to prevent the heavy rock riprap from settling too deep in the organic soil, geo-textile cloth was first put down and used as a base.

Where existing structures were encountered, such as the crossing of the freshwater delivery system to Grand Isle pictured above, the alignment of the structure was altered.

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

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Water Control Structure

Shoreline Protection

Project Boundary

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 27, 2002
Map ID: 2002-11-734
Data accurate as of: August 27, 2002