March 2010 (rev)
Cost figures as of: February 2023

Barataria Basin Landbridge Shoreline Protection, Phases 1 and 2 (BA-27)

Project Status

Approved Date: 1998 **Project Area:** 2,618 acres
Approved Funds: $27.8 M **Total Est. Cost:** $27.8 M
Net Benefit After 20 Years: 1,304 acres
Status: Completed
Project Type: Shoreline Protection
PPL #: 7

Location

The project is located approximately 3 miles south of Lafitte in western Jefferson Parish and eastern Lafourche Parish, Louisiana, on the western shoreline of Bayou Perot and the east/southeastern shoreline of Bayou Rigolettes.

Problems

Erosion rates of up to 114 feet/year along the western shoreline of Bayou Perot and the eastern shoreline of Bayou Rigolettes are causing severe marsh loss in the area. The Barataria Basin Landbridge is a key feature in the Barataria estuary, and it is likely to be lost if the erosion in the area is not reduced.

Restoration Strategy

Approximately 35,000 feet of shoreline protection will be implemented. Approximately 6,200 feet is a traditional foreshore rock dike. The remainder of the shoreline protection will consist of concrete panel structures.

Concrete panel structures such as this one dramatically reduce the wave energy that can erode fragile shorelines.

Rock dikes, lightweight core dikes, and concrete sheet pile structures were tested to determine constructability, stability, and applicability.

Progress to Date

At the April 14, 1999 meeting, the Louisiana Coastal Wetlands Conservation Restoration Task Force approved combining the Barataria Basin Landbridge, Phase 1 (PPL 7) project and the Barataria Basin Landbridge, Phase 2 (PPL 8) project. The project was recorded on Priority Project List 7. The project is separated into four construction units.

In May 2001, five types of shoreline protection techniques, or "test sections," were installed at two locations in the project area to determine constructability, stability, and applicability for the remainder of the project area.

Approximately 6,200 feet of foreshore rock dike was completed in 2002.

The remainder of the project consists of concrete panel structures and was completed in 2009.

This project is on Priority Project List 7.

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 Basin Landbridge Protection, Phases 1 and 2 (BA-27)

Shoreline Protection *

Project Boundary

* denotes proposed features

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 12, 2003
Map ID: USGS-NWRC 2003-11-102
Data accurate as of: April 7, 2003