March 2010 (rev)
Cost figures as of: December 2016

Barataria Basin Landbridge Shoreline Protection Project Phase 4 (BA-27d)

Project Status

Approved Date: 2002 **Project Area:** 589 acres
Approved Funds: $13.1 M **Total Est. Cost:** $17.7 M
Net Benefit After 20 Years: 256 acres
Status: Completed
Project Type: Shoreline Protection
PPL #: 11

Location

Phase 4 of the Barataria Landbridge Project begins at the intersection of Bayou Rigolettes and the Barataria Waterway in Jefferson Parish, Louisiana. It extends about 31,500 feet southward along the east bank of Bayou Rigolettes and ties in to the northern limit of Phases 1 and 2.

Problems

The Barataria Landbridge is deteriorating, quickly eroding due to poor soils and increased fetch lenghts . Analyses performed by the U.S. Geological Survey show that roughly 88%, or approximately 28,000 feet of the project's shoreline length, is experiencing an erosion rate of 26 feet per year.

Restoration Strategy

The project's main objective is to reduce or eliminate shoreline erosion along 31,500 feet of shoreline.

To reach this goal, a rock revetment was constructed, incorporating six openings to allow the exchange of water and organisms.

The proposed project was an integral part of the Landbridge Concept. The project will be maintained for the full 20-year project life, with the effects lasting beyond.

Progress to Date

This project was selected for Phase I (engineering and design) funding at the January 2002 Breaux Act Task Force meeting. Project construction was completed in 2005. It is included as part of Priority Project List 11.

This photo illustrates the rock revetment protecting the vegetative shoreline.

Five years after construction, the constructed rock revetment has proven to be very effective at eliminating shoreline erosion.

For more project information, please contact:

Federal Sponsor:
Natural Resources Conservation Service
Alexandria, LA
(318) 473-7816

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

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Project Boundary

USGS science for a changing world

Louisiana

Project Location

N

0.5 0 0.5 1 Miles

0.5 0 0.5 1 1.5 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 Quadrangles

Map Date: March 10, 2002
Map ID: 2002-11-212