October 2002
Cost figures as of: March 2013

Brady Canal Hydrologic Restoration (TE-28)

Project Status

Approved Date: 1993 **Project Area:** 7,653 acres
Approved Funds: $7.76 M **Total Est. Cost:** $7.76 M
Net Benefit After 20 Years: 297 acres
Status: Completed May 2000
Project Type: Hydrologic Restoration
PPL #: 3

Location

The project is located 21 miles southwest of Houma, Louisiana, in Terrebonne Parish. The project is bounded by Turtle Bayou to the east, Bayou DeCade to the south, and Bayou Penchant to the north.

Problems

The intermediate marshes in the area are highly fragmented and are the transitional areas between the fresh and brackish zones. These marshes are extremely susceptible to erosion and wetland loss. Land loss in the area has been caused by saltwater intrusion, subsidence, and increased tidal energies.

Restoration Strategy

The project measures include replacing and maintaining weirs, constructing a rock plug, stabilizing channel cross-sections, and restoring and maintaining channel banks. These measures will maintain and enhance existing marshes in the project area by reducing the rate of tidal exchange. They will also increase the utilization of sediment and fresh water introduced from the water control structures and overbank flow along the north, east, and west sides of the project area. Along the southern boundary, bank restoration and water control structures are used to reduce tidal flow rate from channels into interior ponds, helping to improve the retention of sediment and fresh water.

Progress to Date

Fina Oil Company and Burlington Resources helped fund the project. Construction was completed in July 2000. A monitoring plan has been developed, and the Louisiana Department of Natural Resources is currently collecting data so that the project's effectiveness can be evaluated. This project is on Priority Project List 3.

The narrow, eroding shoreline of Bayou DeCade was reinforced with rock in order to help restore the hydrology of the Brady Canal area.

Much time and effort were spent coordinating with petrochemical and electrical power suppliers to ensure that existing systems were not damaged and that customer supply was not interrupted as various project features were installed.

For more project information, please contact:

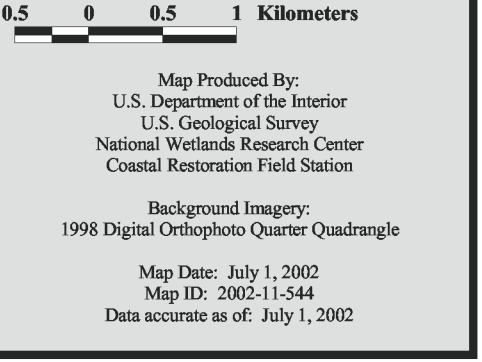
Federal Sponsor:
Natural Resources Conservation Service
Alexandria, LA
(318) 473-7816

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

Brady Canal Hydrologic Restoration (TE-28)

- Plug
- Weir
- Containment Dike
- Shoreline Protection
- Vegetative Plantings
- Project Boundary

USGS science for a changing world



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

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