Northwest Turtle Bay
Marsh Creation (BA-125)

Project Status

Approved Date: 2012  Project Area: 798 acres
Approved Funds: $33.6 M  Total Est. Cost: $33.6 M
Net Benefit After 20 Years: 432 acres
Status: Construction
Project Type: Marsh Creation
PPL #: 21

Location

This project is located in Region 2, Barataria Basin, Jefferson Parish, northwest of Turtle Bay.

Problems

Historic wetland loss in the area stems from shoreline erosion along Turtle Bay and interior marsh loss from subsidence, sediment deprivation, and construction of oil and gas canals. Based on the hyper-temporal analysis conducted by USGS for the extended project boundary, loss rates in the area are estimated to be -0.83% per year for the period 1984 to 2015.

Restoration Strategy

The primary goal is to re-create marsh habitat in the open water areas and nourish existing marsh within the project area. The specific goal of the project is to create approximately 700 acres of marsh with dredged material from Turtle Bay or Little Lake. The total project area is 798 acres, but the entire area will not be filled with dredged material.

The proposed project would create approximately 484 acres and nourish approximately 216 acres. Existing canal spoil banks, emergent marsh, and limited segments of containment dikes will be used to guide the distribution of the dredged material in the western fill area. Complete perimeter containment dikes will be utilized for the eastern fill area. Containment dikes will be gapped to reestablish hydrologic connectivity with adjacent wetlands.

The project will work synergistically with several existing and planned projects on the Barataria Basin Landbridge, an important landscape feature across the central Barataria Basin.

Progress to Date

This project is on Priority Project List 21.

For more information, please contact:

Federal Sponsor:
U.S. Fish and Wildlife Service
Lafayette, LA
(337) 291-3100

Local Sponsor:
Coastal Protection and Restoration Authority
Baton Rouge, LA
(225) 342-4733

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