April 2019
Cost figures as of: aaaDatePadPad

Long Point Bayou Marsh Creation (CS-85)

Project Status

Approved Date: 2019 **Project Area:** 392 acres
Approved Funds: $2.29 M **Total Est. Cost**: $13.0 M
Net Benefit After 20 Years: 332 acres
Status: Engineering and Design
Project Type: Marsh Creation
PPL #: 28

Location

The Long Point Bayou Marsh Creation project ("Project") is located approximately 4 miles south of Hackberry, north of Sabine National Wildlife Refuge, east of Highway LA 27, and west of the Calcasieu Ship Channel near Mile 11. The Project is located in CWPPRA Planning Region 4, Calcasieu/Sabine Basin, Cameron Parish.

Problems

The project is in an area that has been influenced by saltwater intrusion, increased water fluctuations and erosion. Human alterations have disrupted the hydrologic processes which contribute to wetland building and maintenance, while subsidence and sea level rise continues. Almost all fresh marsh was converted to intermediate and brackish by the late 1970s as a result of saltwater intrusion and increased tidal influence. Land loss rates within the project area now show a positive trend; the experimental land change analysis conducted by USGS for the extended project boundary shows a land gain of +0.21% per year (1985-2017) in the project area. Historical topographic maps show that the area was nearly all land in 1955.

Photo of project site taken on May 8th, 2018.

Restoration Strategy

The goal of this Project is to create and/or nourish 392 acres of marsh near Long Point Bayou north of Sabine National Wildlife Refuge. This Project aligns with EPA Region 6 CWPPRA team goals of protecting human health and the environment by restoring wetlands and improving coastal resiliency. The Project will beneficially use dredged material from the Calcasieu Ship Channel or other locations and place it into shallow open water in the Project area. Eight acres of tidal creeks and 196 acres of vegetative plantings will also be included. In addition, this Project will restore habitat potentially used by the saltmarsh topminnow and black rail, which are petitioned/proposed for Federal listing as threatened/endangered species. Finally, the Project may also benefit neotropical migratory birds by providing habitat.

Progress to Date

This project was approved for Phase I Engineering and Design in February 2019.

This project is on Priority Project List 28.

Like similar marsh creation projects in the area, dredged material from the Calcasieu River Ship Channel or other locations will be placed into the marsh creation site.

For more information, please contact:

Federal Sponsor:
U.S. Environmental Protection Agency
Dallas, TX
(214) 665-6722

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

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Confined Disposal Marsh Creation & Nourishment *

Project Boundary

*denotes proposed features

USGS
science for a changing world

N

0.15 0 0.15 0.3 Kilometers

0.15 0 0.15 0.3 Miles

Map Produced by:
U.S. Department of the Interior
U.S. Geological Survey
Wetland and Aquatic Research Center
Coastal and Ocean Restoration Branch
Baton Rouge, La.

Background Imagery:
2017 NAIP Photography

Map Date: February 20, 2019
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Data accurate as of: February 14, 2019