November 2022
Cost figures as of: February 2023

Island Road Marsh Creation & Nourishment (TE-117)

Project Status

Approved Date: 2014 **Project Area:** 295 acres
Approved Funds: $3.72 M **Total Est. Cost**: $39.1 M
Net Benefit After 20 Years: aaaNB
Status: Engineering and Design
Project Type: Marsh Creation
PPL #: 23

Location

Region 3, Terrebonne Basin, Terrebonne Parish.

Problems

The project site contains organic and highly compressible soils with expansive open water areas. Subsidence, wind erosion, storms, and canals and pipelines all have contributed to widespread historic and continued rapid land loss within the project site and vicinity. The wetland loss rate is -1.46% per year based on USGS data from 1984 to 2020 for the extended project boundary. As interior marsh has converted to open water leaving marsh along relic distributary channels, there is more exposure risk to increased wave fetch and tidal and surge flooding reducing wetland habitat and resiliency of communities in the southeast portion of the Parish.

Restoration Strategy

The project features consist of restoring marsh adjacent to both the Twin Pipelines and parallel to Isle de Jean Charles. General project goals are to rebuild the structural framework of degraded marsh near the Twin Pipelines and restore resilient habitat by marsh creation and nourishment.

Specific goals are to create 229 acres of marsh, nourish 66 acres of existing marsh and result in approximately 206 net marsh acres after 20 years. Sediment would be mined from Lake Tambour and pumped into three confined disposal cells. Dikes would be gapped prior to demobilization for dewatering and additionally no later than three years after construction for tidal function.

The general project area viewed from Pointe aux Chene marina to Isle de Jean Charles.

Progress to Date

This project is on Priority Project List 23. The 30% and 95% design reviews have been completed.

For more information, please contact:

Federal Sponsor:
National Marine Fisheries Service
Baton Rouge, LA
(225) 389-0508

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

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Marsh Creation *

Project Boundary

*denotes proposed features

USGS
science for a changing world

N

0.25 0 0.25 0.5 Kilometers

0.25 0 0.25 0.5 Miles

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

Background Imagery:
2018 DOQQ

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