



Yscloskey Marsh Creation (BS-46)

Project Status

Approved Date: 2012 **Project Area:** 365 acres
Approved Funds: \$3.74 M **Total Est. Cost:** \$44.0 M
Net Benefit After 20 Years: 306 acres
Status: Engineering and Design
Project Type: Marsh Creation
PPL #: 32

Location

This project is located in Region 2, Breton Basin, St. Bernard Parish, south of Yscloskey

Problems

This project area has experienced wetland loss due to a variety of factors including subsidence, saltwater intrusion, and storm damage. Hurricane Katrina devastated the area resulting in substantial marsh loss which has exposed infrastructure to open water conditions. Marsh loss has increased exposure of the community of Yscloskey to flooding from the south and locations outside of flood protection levees could experience increased storm surge flood risk. Based on the land-water analysis conducted by USGS for the extended project boundary, the land loss rate in the project area was -0.86% per year for the period 1984-2021.

Restoration Strategy

The primary goal of the project is to restore marsh between the communities of Reggio and Yscloskey along the alignment of the historic Bayou la Loutre ridge. The specific goal of the project is to create approximately 365 acres (330 acres of marsh creation and 35 acres of marsh nourishment) of marsh with material dredged from Lake Borgne. Protection would be afforded to a portion of the flood protection levees along HWY 46. The project would also positively impact Florissant Highway/Hopedale Highway (a hurricane evacuation route) and residences of Yscloskey, providing synergistic flood protection to communities which fall outside of a Hurricane Protection System.

Service goals include restoration/protection of habitat for at-risk species. This project would restore habitat potentially utilized by the threatened black rail and other at-risk species such as the seaside sparrow and saltmarsh topminnow.

Sediments will be hydraulically dredged from Lake Borgne and pumped via pipeline to create/nourish approximately 365 acres of marsh. Full containment would be utilized. Containment dikes will be gapped at the end of construction or no later than three years post construction. Dewatering and compaction of dredged sediments should produce elevations conducive to the establishment of emergent marsh and within the intertidal range.



Areas of open water and degraded marsh in the Breton Basin near Yscloskey Marsh Creation Project site.

Progress to Date

This project was approved for Phase I Engineering and Design in January 2023.

This project is on Priority Project List 32.

For more information, please contact:



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



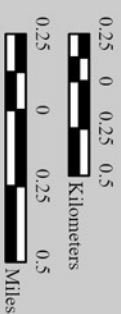
Local Sponsor:
Coastal Protection and Restoration Authority
Baton Rouge, LA
(225) 342-4733

Yscloskey Marsh Creation (BS-46)

 Marsh Creation *

 Project Boundary *

*denotes proposed features



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

Background Imagery:
2019 NAIP Photography

Map Date: March 1, 2023
Map ID: USGS-NWRC 2023-11-0006
Data accurate as of: December 9, 2022

