rev. September 2018
Cost figures as of: February 2023

Rockefeller Refuge Gulf Shoreline Stabilization (ME-18)

Project Status

Approved Date: 2001 **Project Area:** 450 acres
Approved Funds: $33.3 M **Total Est. Cost**: $34.3 M
Net Benefit After 20 Years: 256 acres
Status: Construction
Project Type: Shoreline Protection
PPL #: 10

Location

The project is located along the Rockefeller Wildlife Refuge Gulf of Mexico shoreline from Joseph's Harbor canal, westward 3 miles in Cameron Parish, Louisiana.

Problems

The project is designed to address Rockefeller Wildlife Refuge gulf shoreline retreat that averages approximately 46 feet/year with a subsequent direct loss of emergent saline marsh.

Restoration Strategy

The project is constructing shoreline protection along the Gulf of Mexico off Rockefeller Wildlife Refuge. A lightweight aggregate core rock breakwater is being constructed westward from Joseph Harbor along the gulf shoreline for approximately 3 miles. The breakwater consists of encapsulated lightweight aggregate, bedding stone, and large armor stone and has a 65- to 70-foot bottom width and a 18-foot crown width. The project is designed to reduce shoreline retreat along a stretch of gulf shoreline, promote shallowing and natural vegetative colonization of the overwash material landward of the structure. Gaps in the breakwater will facilitate movement of organisms and allow sediment-laden water behind the breakwater.

Progress to Date

Engineering and design are complete. Construction on this project began in July 2018.

This project is listed on Priority Project List 10.

Shoreline protection being constructed along the Rockefeller Wildlife Refuge Gulf shoreline.

Constructing shoreline protection along the Gulf shoreline of Rockefeller Wildlife Refuge.

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) 342-4736

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Shoreline Protection *

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
National Wetlands Research Center
Coastal Restoration Assessment Branch
Baton Rouge, La.

Background Imagery:
2012 Digital Orthophoto Quarter Quadrangle

Map Date: September 03, 2014
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