Cost figures as of: April 2007 (rev.) February 2023

South White Lake Shoreline Protection (ME-22)

Project Status

Approved Date: 2003 **Project Area:** 5,473 acres
Approved Funds: $10.7 M **Total Est. Cost:** $14.5 M
Net Benefit After 20 Years: 844 acres
Status: Completed August 2006
Project Type: Shoreline Protection
PPL #: 12

Location

The project is located along the southern shoreline of White Lake from Will's Point to the western shore of Bear Lake in Vermilion Parish, Louisiana.

Problems

The south shoreline of White Lake has been retreating at an estimated average rate of 15 feet per year as a result of wind-induced wave energy. If the shoreline would have continued eroding in the project area, low marsh management levees likely would have been breached, which would have increased interior marsh loss rates in the project area.

Restoration Strategy

This project included constructing segmented breakwaters to protect approximately 61,500 linear feet of shoreline to protect 687 acres of shoreline and interior marsh over twenty years. The breakwaters were constructed with gaps to allow aquatic organisms and water to move freely. An estimated 270,000 tons of stone was placed on geotextile fabric. Material dredged to create a flotation channel was placed beneficially behind the breakwaters to create approximately 172 acres of marsh substrate.

Segmented rock breakwaters such as the one constructed above will provide protection for White Lake's eroding shoreline.

Progress to Date

Project construction was successfully completed in August 2006.

This project is on Priority Project List 12.

For more information, please contact:

Federal Sponsor:
U.S. Army Corps of Engineers
New Orleans, LA
(504) 862-1597

Local Sponsor:
Coastal Protection and Restoration Authority
Baton Rouge, LA
(225) 342-4736

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Breakwaters *

Project Boundary

*denotes proposed features

USGS
science for a changing world

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0.5 0 0.5 1 1.5 Miles

0.5 0 0.5 1 1.5 Kilometers

Map Produced By:
U.S. Department of the Interior
U.S. Geological Survey
National Wetlands Research Center
Coastal Restoration Field Station

Background Imagery:
Thematic Mapper Satellite Imagery 2000

Map Date: January 11, 2005
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