South White Lake
Shoreline Protection (ME-22)

Project Status
Approved Date: 2003  Project Area: 5,473 acres
Approved Funds: $10.6 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.

For more information, please contact:

Federal Sponsor:
U.S. Army Corps of Engineers
New Orleans, LA
(504) 962-1587

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

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