



# 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:*



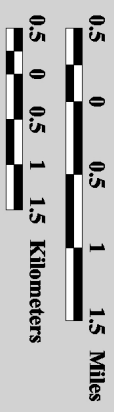
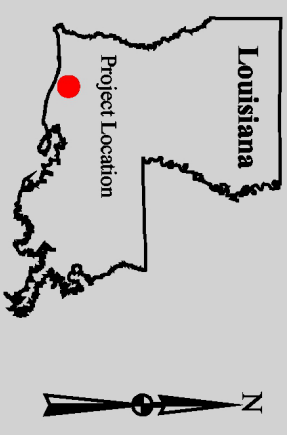
**Federal Sponsor:**  
U.S. Army Corps of Engineers  
New Orleans, LA  
(504) 862-1597



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

# South White Lake Shoreline Protection (ME-22)

-  Breakwaters \*
  -  Project Boundary
- \*denotes proposed features



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

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 Thematic Mapper Satellite Imagery 2000  
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