September 2010 (rev.)
Cost figures as of: April 2020

Grand-White Lakes Landbridge Protection (ME-19)

Project Status

Approved Date: 2001 **Project Area:** 1,530 acres
Approved Funds: $4.93 M **Total Est. Cost:** $8.58 M
Net Benefit After 20 Years: 213 acres
Status: Completed Oct. 2004
Project Type: Shoreline Protection
PPL #: 10

Location

The project is located on the southeastern shore of Grand Lake just north of the Old Gulf Intracoastal Waterway and extends eastward to include Collicon Lake in Cameron Parish, Louisiana.

Problems

Erosion of the southeastern shoreline of Grand Lake and the western shoreline of Collicon Lake has removed the lake rims and is endangering the narrow landbridge between the two lakes and the entire Grand-White Lakes Landbridge. Without the project, the size of Grand Lake could increase by over 4,800 acres, and the width of the landbridge could be reduced by 2 miles. Shoreline erosion would accelerate in the remaining marshes of the landbridge.

Restoration Strategy

One objective of the project includes stabilizing the shoreline by installing a 2 mile-long limestone rock breakwater along the southeastern shore of Grand Lake. The rock was placed about 100 to 200 feet lakeward from shore in water 1 to 2 feet deep with dredged material placed between the rock and the shore to restore marsh.

Two 9,000 foot-long rows of vegetated earthen terraces were constructed along the northern and western shores of Collicon Lake and 4,000 feet of plantings were installed on the southern shoreline of Round Lake.

Progress to Date

Engineering and design began with a project implementation orientation interagency meeting held on February 14, 2001. Construction funding was approved in August 2002. Project construction was completed in October 2004.

This project is on Priority Project List 10.

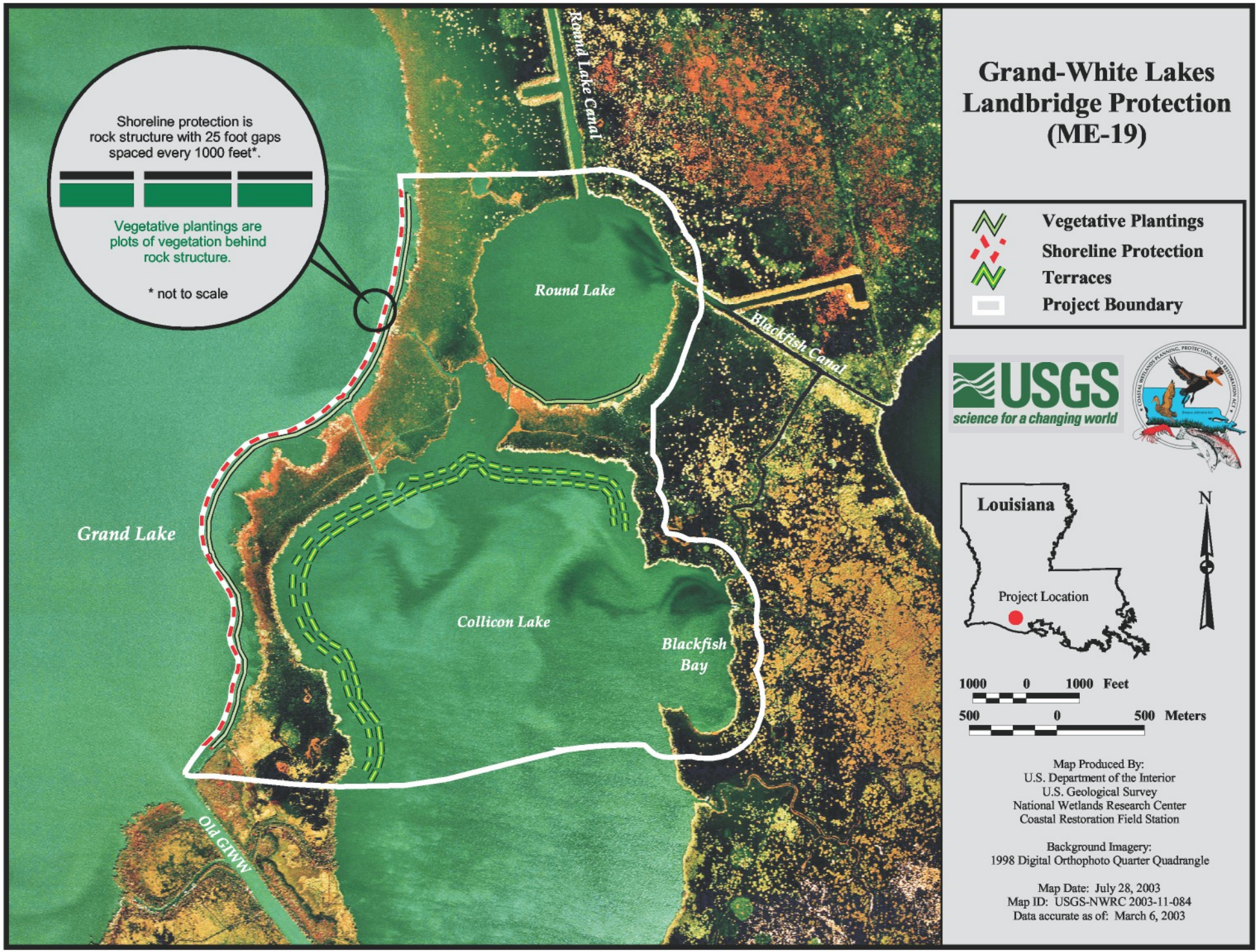
View of Collicon Lake vegetated terraces immediately after construction.

View of the rock breakwater with gaps at the southeastern Grand Lake shoreline.

For more project 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) 342-4736



Grand-White Lakes Landbridge Protection (ME-19)

- Vegetative Plantings
- Shoreline Protection
- Terraces
- Project Boundary

USGS science for a changing world

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1000 0 1000 Feet

500 0 500 Meters

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

Background Imagery:
1998 Digital Orthophoto Quarter Quadrangle

Map Date: July 28, 2003
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