rev. February 2008
Cost figures as of: March 2021

GIWW - Perry Ridge West Bank Stabilization (CS-30)

Project Status

Approved Date: 2000 **Project Area:** 1,132 acres
Approved Funds: $2.20 M **Total Est. Cost:** $2.20 M
Net Benefit After 20 Years: 83 acres
Status: Completed
Project Type: Shoreline Protection
PPL #: 9

Location

The project is located along the northern bank of the Gulf Intracoastal Waterway (GIWW) between Perry Ridge and the Sabine River in Calcasieu Parish, Louisiana.

Problems

This section of the GIWW was dredged to allow the use of doublewide barges, and, consequently, has intensified the occurrence of wake erosion. In addition, the construction of the Calcasieu Ship Channel and the deepening of Sabine Pass have increased the salinity and water currents within the GIWW. These activities have caused the GIWW shoreline to breach, thus impacting the interior marsh of the project area.

Restoration Strategy

Proposed project components involve installation of 9,500 feet of rock riprap along the northern bank of the GIWW from Perry Ridge to its intersection with the Sabine River. An additional 2,200 feet of rock riprap will be installed from the Sabine/GIWW intersection north along the Sabine River. This proposed work is referred to as "construction unit number 2." Approximately 22,952 linear feet of terraces will be constructed in the shallow, open water areas north of the GIWW to reduce fetch (distance a wave can travel) and allow recovery of the interior marshes. Terraces will be vegetated with 9,400 trade-gallon-sized plantings of California bulrush. This proposed work is referred to as "construction unit number 3."

Progress to Date

Project construction is complete. The monitoring plan is currently in development and should be finalized in the spring of 2002.

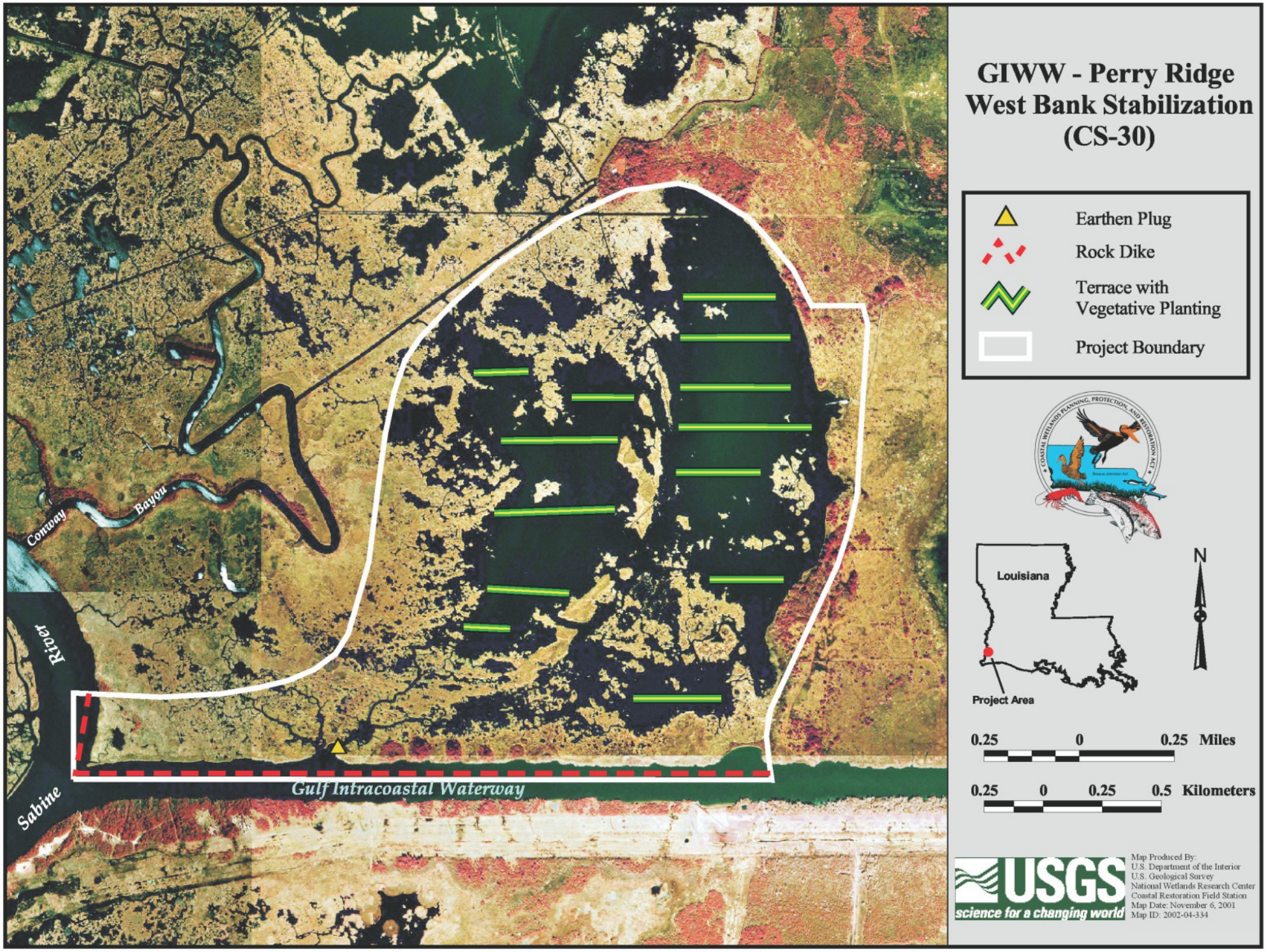
This project is on Priority Project List 9.

Settlement plates such as the one pictured here will be used to determine if settling of the structure has occurred. Technicians from NRCS's Crowley Watershed Office are shown taking baseline elevations before more rock is deposited. Future elevation readings will be taken after the structure is completed.

For more project information, please contact:

Federal Sponsor:
Natural Resources Conservation Service
Alexandria, LA
(318) 473-7756

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


GIWW - Perry Ridge
West Bank Stabilization
(CS-30)
Earthen Plug
Rock Dike
Terrace with
Vegetative Planting
Project Boundary
COASTAL WETLANDS PLANNING, PROTECTION, AND RESTORATION ACT
Louisiana
Project Area
N
0.25 0 0.25 Miles
0.25 0 0.25 0.5 Kilometers
Conway
Bayou
Sabine
River
Gulf Intracoastal Waterway
USGS
science for a changing world
Map Produced By:
U.S. Department of the Interior
U.S. Geological Survey
National Wetlands Research Center
Coastal Restoration Field Station
Map Date: November 6, 2001
Map ID: 2002-04-334