rev. September 2010
Cost figures as of: February 2023

Sabine Refuge Marsh Creation Cycle II (CS-28-2)

Project Status

Approved Date: 2004 **Project Area:** 10,551 acres *
Approved Funds: $14.3 M **Total Est. Cost:** $14.3 M
Net Benefit After 20 Years: 261 acres
Status: Completed
Project Type: Marsh Creation
PPL #: 8

Location

Region 4, Cameron Parish, The project is located on the Sabine National Wildlife Refuge, west of Highway 27, in large open water areas northeast of Brown's Lake.

Problems

The project area is experiencing marsh degradation due to saltwater intrusion and freshwater loss. This has resulted in the conversion of vegetated intermediate marsh to large shallow open water areas. Salinity migrates into the region from the Calcasieu River. Southeast winds push saline waters into the project area through canals and bayous. Wind driven waves cause further loss of the remaining marsh fringe.

Restoration Strategy

A permanent dredged material disposal pipeline, measuring 3.57 miles in length, will be constructed in Cycle II. The pipeline will commence near Mile 13.2 of the Calcasieu River Ship Channel and terminate at the northeastern corner of the Sabine National Wildlife Refuge. Much of the right of way required for the pipeline was previously impacted by the construction of a temporary pipeline used during the construction of Cycle I. The pipeline is to be used for future marsh creation projects in conjunction with the U.S. Army Corps of Engineers maintenance dredging of the Calcasieu River Ship Channel.

* Acreage is the total for all 5 cycles.

Marsh created from dredged material from the Calcasieu River Ship Channel.

Progress to Date

The Sabine Refuge Marsh Creation Project was originally approved as part of the Project Priority List 8 in 1999. The project was later broken into 5 cycles. In 2004, additional funds for engineering and design and construction were approved for Cycle II. The pipeline is constructed and will be available for use during the 2011 maintenance dredging of the Calcasieu River Ship Channel.

This project is on Priority Project List 8.

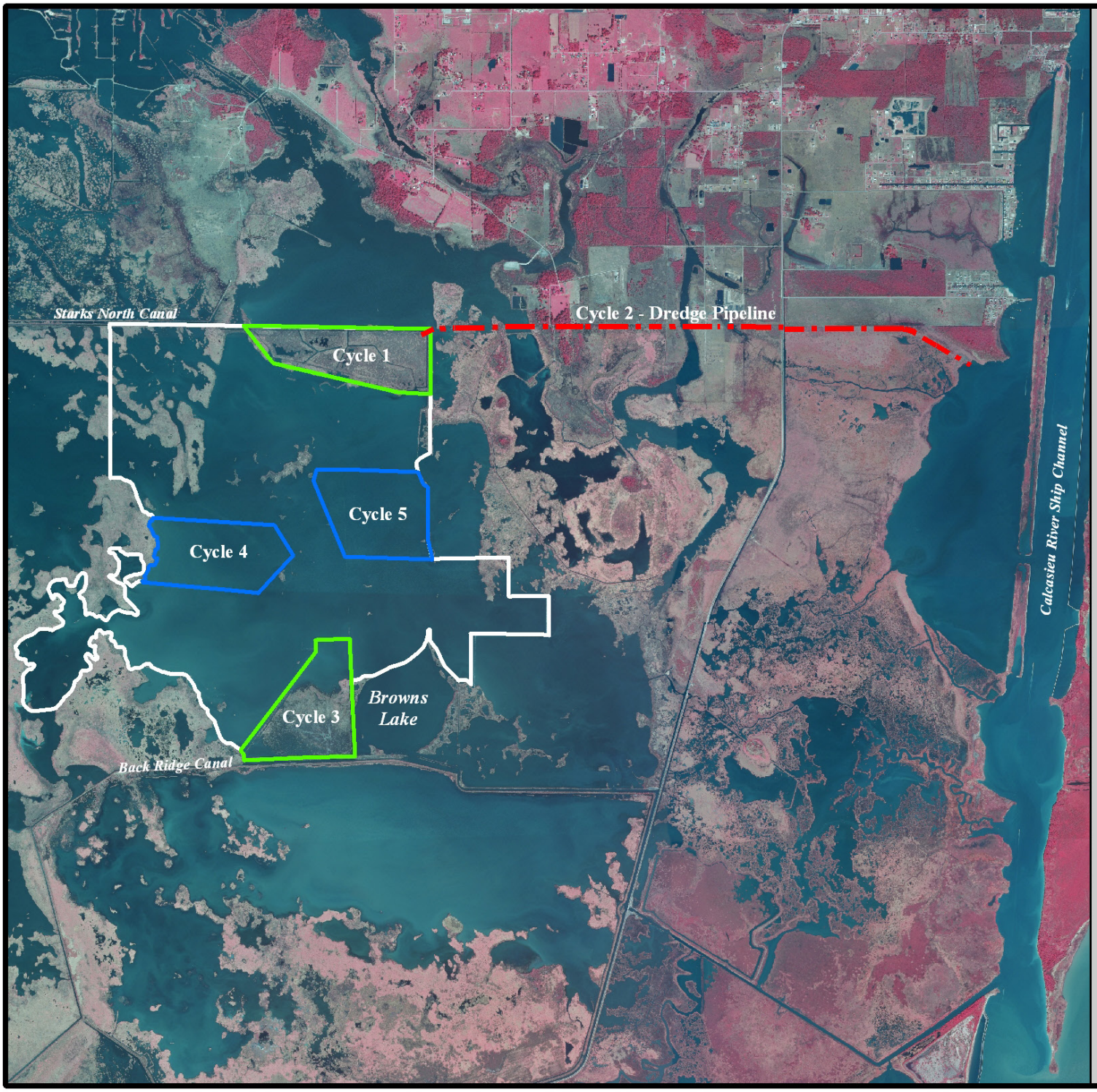
For more information, please contact:

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

U.S. Fish and Wildlife Service
Lafayette, LA
(337) 291-3100

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

Sabine Refuge Marsh Creation, Cycle 2 (CS-28-2)



Cycle 2 - Dredge Pipeline

Project Boundary

Completed Cycle

Proposed Cycle

USGS
science for a changing world

N

0.4 0 0.4 0.8 Kilometers

0.4 0 0.4 0.8 Miles

Map Produced by:
U.S. Department of the Interior
U.S. Geological Survey
National Wetlands Research Center
Coastal Restoration Field Station
Baton Rouge, La

Background Imagery:
2008 Digital Orthophoto Quarter Quadrangle

Map Date: September 23, 2010
Map ID: USGS-NWRC 2010-11-0105
Data accurate as of: September 16, 2010