BA-24-4 Northeast & South Extension of Barataria Landbridge Shoreline Protection

Coast 2050 Strategy – Region 2 Regional Strategy #24: Preserve bay and lake shoreline integrity on the landbridge.

Project Location - Region 2 – Barataria Basin – Jefferson Parish. The Northeast Extension begins at the intersection of Bayou Rigolettes and Barataria Waterway, and extends 31,500 feet southward along the east bank of Bayou Rigolettes. The South Extension begins at the southern end of Harvey Cut and extends southwest along the Turtle Bay shoreline, then west and north along the Little Lake shoreline for a distance of 23,300 feet.

Problem – Shoreline erosion and deterioration of the Barataria landbridge.

Goals – The objective for this project is to eliminate shoreline erosion for the areas listed in the project location. For the South Extension dredged material from the construction of access canals will be placed in open water areas.

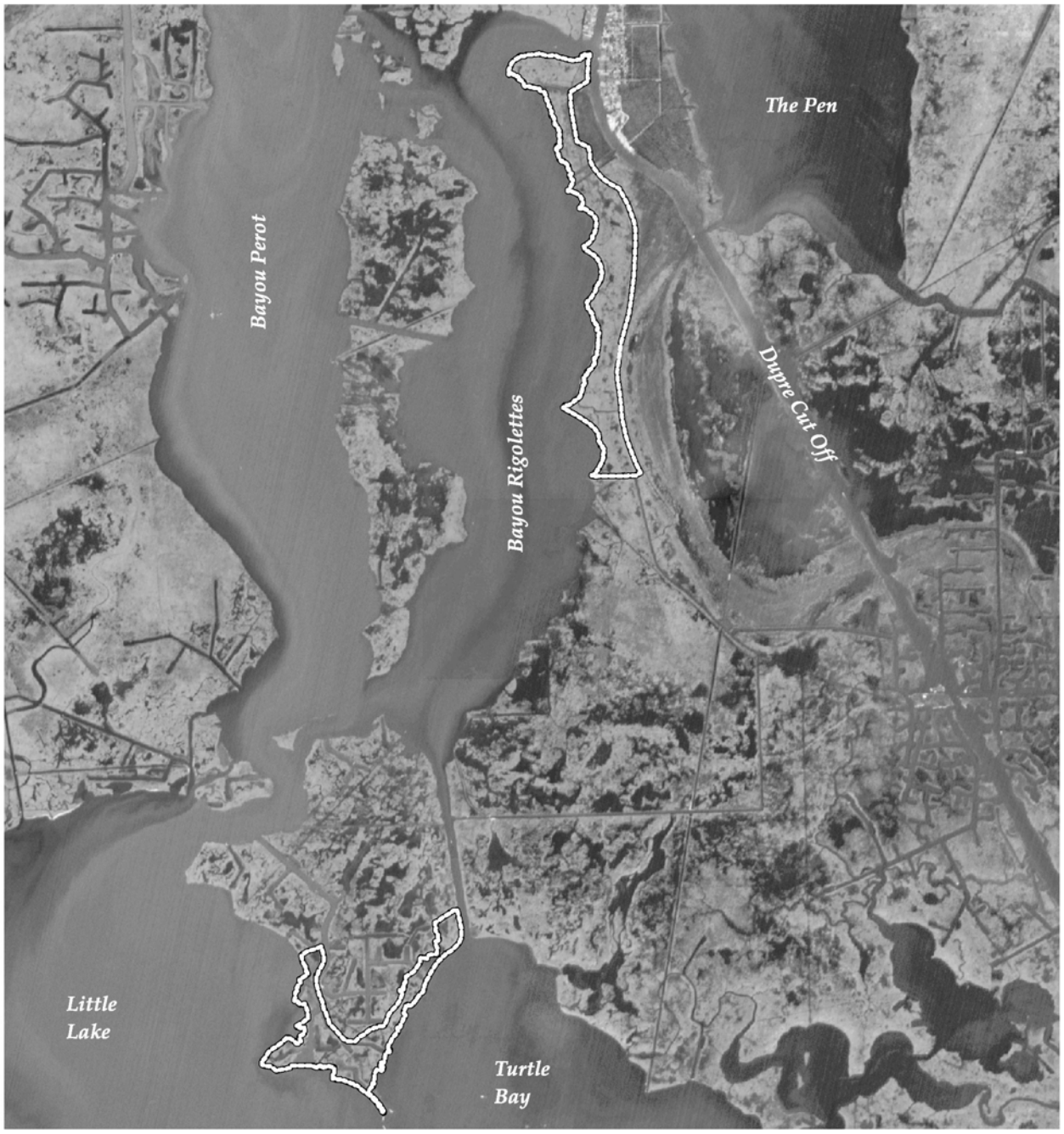
Proposed Solution – The Northeast Extension will consist of a 31,500 feet of foreshore rock dike with a lightweight aggregate core or concrete sheetpile and will incorporate "fish dips" and openings at historic natural channels. The South Extension will consist of a 19,000 feet of rock shoreline revetment and 4,300 feet of a foreshore rock dike with a lightweight aggregate core or concrete sheetpile. Using material dredged from construction access channels approximately 36 acres would be created.

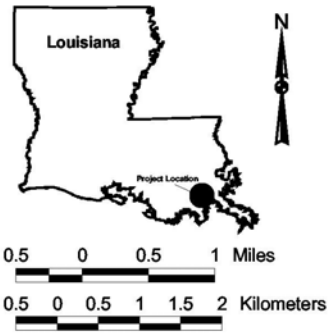
Project Benefits – The project will benefit a total of 1,109 acres of marsh and shallow water. It will protect 430 acres of emergent marsh over the course of the 20-year project life.

Project Costs – The total fully funded cost is $54,679,900 and the fully funded first cost is $37,893,100.

Risk/Uncertainty and Longevity/Sustainability - There is a low degree of risk associated with this project because of results determined from test sections constructed in the previous phases of the Barataria Landbridge. The project should continue providing benefits beyond 20 years after construction because of protection provided by project.

Sponsoring Agency and Contact Person – USDA – Natural Resources Conservation Service
Env.WG: Quin Kinler 225-447-6050 quin.kinler@la.usda.gov
Eng.WG: John Jurgensen 318-473-7694 john.jurgensen@la.usda.gov





Project area

Data Source:
U.S.Geological Survey
National Wetlands Research Center
Coastal Restoration Field Station

LA Department of Natural Resources
Coastal Restoration Division

Map Date: November 15, 2001
Map ID: 200204116

Image Data:
1990 SPOT Panchromatic Imagery

CWPPRA PPL11
Region 2

Extension of Barataria
Landbridge Shoreline
Protection
(BA-24-4)