PPL13 PROJECT NOMINEE FACT SHEET
Updated: March 21, 2003

Project Name: Havoline Canal Dedicated Dredging Back Barrier Marsh Creation

Coast 2050 Strategy
Regional: restore/maintain barrier islands; maintain shoreline integrity; marsh creation.
Coastwide: marsh creation, maintain shoreline integrity, vegetative plantings, restore ridge functions.
Mapping Units: protect bay/gulf shorelines; protect bay/lake shorelines; beneficial use of dredged material.

Project Location
Region 3, Terrebonne Basin, Terrebonne and Lafourche Parishes, This project is located in South Bully Camp Marsh Mapping Unit just north of Timbalier Island Shorelines Mapping Units.

Problem
Casse-Tete Island is exposed to wind/wave action from storm related events and is experiencing high rates of land loss. East Timbalier Island has been slowly migrating to the northwest as storms and overwash events erode the beach. As the island has migrated it has decreased in width, height and area.

Goals
This project is proposed to create back barrier marsh on Casse-Tete Island by hydraulically dredging or mining material from Timbalier Bay.

Proposed Solution
The project is designed to create back barrier marshes on Casse-Tete Island by hydraulically dredging or mining material from Timbalier Bay. The approximately 1,700,000 cubic yards of material obtained from dredging four borrow cells at 1.75 miles long each with 0.25 mile gaps between them would be confined by temporary earthen retention dikes. This project will create approximately 230 acres of marsh habitat. Restored areas would be planted with typical island vegetation.

Preliminary Project Benefits
This project will create approximately 230 acres of marsh habitat. This project would function in concert with other proposed rehabilitation measures for the area including barrier island restoration and wave absorbers along bay shores.

Compatibility with Coast 2050 Criteria

<u>Wetland Elevation/Sustainability</u>
Less than 250 acres would be sustained over the project life

Ecosystem Influence Area
The project has an ecosystem influence area of less than 1,000 acres.

Structural Framework
The project impacts greater than 75% of the ecosystem influence area for 10-20 years.

Infrastructure
The project has no impact on critical and/or non-critical infrastructure.

Organism and Material Linkages
The project allows a natural level of organism and material exchange consistent with the sustainability of the ecosystem.

Coast 2050 Habitat Objectives
The project maintains the Coast 2050 Habitat Objective over 1-32 percent of the project area.

Project Synergy
The project has no synergy with other approved restoration projects.

Identification of Potential Issues
This project has potential oyster issues as well as pipeline and utility issues. The O&M is considered to be low.

Preliminary Construction Costs
The preliminary fully funded cost of this project is in the $10 - $15 million range.

Preparer of Fact Sheet
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