Sweet Lake/ Willow Lake
Hydrologic Restoration (CS-11b)

**Project Status**

- **Approved Date:** 1996
- **Project Area:** 5,796 acres
- **Approved Funds:** $3.92 M
- **Total Est. Cost:** $3.92 M
- **Net Benefit After 20 Years:** 247 acres
- **Status:** Completed
- **Project Type:** Shoreline Protection
- **PPL #:** 5

**Location**

This project is located in Cameron Parish on the northern and northwestern shorelines of the Gulf Intracoastal Waterway (GIWW) at the intersection of Sweet and Willow Lakes, approximately 3 miles southwest of Sweet Lake, Louisiana. The total project area is 5,796 acres of fresh marsh and open water.

**Problems**

The northern shoreline of the GIWW has eroded into both Sweet and Willow Lakes. This has resulted in increased turbidity in their waters that reduces the growth of submerged aquatic vegetation due to decreased water clarity. The erosion increases the distance waves can travel (fetch), which contributes to marsh loss caused by wind and wave erosion along the shorelines.

**Restoration Strategy**

Successful implementation of this project will conserve and restore vegetated wetlands by reestablishing a barrier between Sweet and Willow Lakes and the GIWW.

The features of the project include: installation of a 14,200-foot rock riprap embankment and 28,300 linear feet of vegetative plantings on the southern shoreline of Sweet Lake; installation of a 4,000-foot rock riprap embankment on the southern shoreline of Willow Lake; and construction of terraces in the eroded marsh between the lakes that will be planted with a double row of California bullrush (*Scirpus californicus*).

**Progress to Date**

The rock bank project feature was completed in January 2000. The installation of terraces and vegetation was completed in 2002.

This project is on Priority Project List 5.

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

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