October 2009
Cost figures as of: January 2017

Sediment Containment System for Marsh Creation Demonstration (LA-09)

Project Status

Approved Date: 2007 **Project Area:** N/A
Approved Funds: $0.97 M **Total Est. Cost:** $0.97 M
Net Benefit After 20 Years: N/A
Status: Completed
Project Type: Demonstration: Marsh Creation
PPL #: 17

Location

The project area is coastwide.

Problems

Marsh creation through both sediment diversions and dredging require some level of containment of suspended materials to allow for settling and accretion. While dredged materials are generally highly concentrated, containment is critical to the efficiency of confinement. Likewise, confinement of flows into diversion outfalls affects efficiency of landbuilding. Methods that improve efficiency of land building in both applications are needed in areas where containment is limited.

Restoration Strategy

The project will demonstrate the effectiveness of a sediment containment system designed as an alternative to earthen containment in dredging to demonstrate the ability of the system to perform in small dredge applications. The project will also test the containment systems ability to facilitate both sediment retention and accumulation in freshwater diversions that are located in broad open-water areas where the efficiency of sediment capture is limited.

Progress to Date

The project is currently in planning phase in which sites are being selected and arrangements are being made to demonstrate the containment system. It is anticipated that the demonstration project will be nested within a larger project to offset dredging costs.

This project is on Priority Project List 17.

For more 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