Mississippi River Gulf Outlet (MRGO) Disposal Area Marsh Protection (PO-19)

Location
The project is located south of Bayou La Loutre Ridge in St. Bernard Parish, Louisiana, on the existing south bank disposal area of the Mississippi River Gulf Outlet (MRGO) between mile markers 30 and 36. The project area is approximately 855 acres.

Problems
The project area consists of a 4,000-foot wide diked disposal area originally used for placement of dredged material during construction of MRGO in the early 1960's.

During MRGO maintenance dredging operations, only the 2,000 feet nearest the waterway have been used for disposal purposes. Over the years, because of settling and water ponding, the back 2,000 feet reverted to high-elevation fresh marsh. Because the project area is 1-4 feet higher than the surrounding brackish marshes, marine organisms have no access into the area; however, this fresh “perched” marsh is an excellent habitat for migratory waterfowl.

Restoration Strategy
This project repaired the wave and storm damage to MRGO's earthen back dike south of La Loutre Ridge, and it is expected to preserve approximately 755 acres of valuable wetlands.

As a result of field investigations, only two breaches along the back dike were closed. The breaches prevented water from ponding in the disposal area. Since the ponded area is higher in elevation than the surrounding saline marshes, the ponded area drained and undesirable vegetation began to take over. The breaches were repaired by using a barge-mounted crane that removed sediment from the back canal and used it to rebuild the levee.

Progress to Date
The scope of projected work was greatly reduced from the original design. Vicksburg District of the U.S. Army Corps of Engineers completed construction on January 29, 1999. No operation, maintenance, or monitoring is scheduled. This project is on Priority Project List 3.