

PROJECT PROFILE

Project Name:

Buras Marina Living Shoreline
& Stabilization Project

Project Customer:

Plaquemines Parish

Project Engineer & Contractor:

Manchac Consulting
Wilco Marsh Buggies & Draglines

Project Location:

Buras, Louisiana

Martin EcoSystems Product:

Vegetated EcoShield®

Application:

Shoreline Stabilization



Application Summary

Decades of marsh erosion and subsidence along the levees near Joshua's Marina in Buras, Louisiana, have compromised the integrity of these levees, which protect the coastal community of Buras against storm surge. This project was designed to protect this important infrastructure. Funding for the project was provided by the U.S. Fish & Wildlife Service's Coastal Impact Assistance Program (CIAP) and Plaquemines Parish Government.

Solution

Martin Ecosystems was subcontracted to install 660 feet of Vegetated EcoShield® on the south berm in July 2014. Within a week of project completion, a storm came through the area causing damage to the remaining unprotected 4000 feet of earthen berm. High winds caused waves to erode the berm five feet in some places. Martin Ecosystems was again subcontracted to install EcoShield on the remaining 4000 feet of unprotected berm. Construction of this phase was completed on September 11, 2014.

Daniel Duhon, of Manchac Consulting, has said, "Due to the nature of the borrow material, I think the EcoShield™ served an important role in stabilizing the unstable material. If nothing was done to stabilize the new berm there was the potential to lose a significant portion of the seaward face of the berm due to wind and wave action.

6265 Benefit Drive Baton Rouge, LA 70809
T 225-292-6750

E Info@MartinEcosystems.com

WWW.MartinEcosystems.com