

PROJECT PROFILE



Project Name:

AWF/Delta Farms GIWW
Shoreline Protection Project

Project Customer:

America's WETLAND Foundation

Project Location:

Larose, Louisiana

Martin EcoSystems Product:

Vegetated EcoShield®

Application:

Shoreline Stabilization

Application Summary

Delta Farms is located in Lafourche Parish north of Larose, Louisiana. It is bordered on the west, south, and east by its own levee system. On the north, the boundary is the Gulf Intracoastal Waterway (GIWW). High turbidity of the Gulf Intracoastal Waterway prevents aquatic vegetation from being established and wave wash from ship traffic has led to land loss. The breach in the canal levee has also created a new path for saltwater intrusion into previously fresh water marshes.

Solution

The America's WETLAND Foundation (AWF) brought together public and private partners to create the Gulf Intracoastal Waterway (GIWW) Shoreline Stabilization and Restoration Project in Lafourche Parish, LA. America's WETLAND Foundation contracted Martin Ecosystems to install 1 mile of EcoShield to protect the levee where the embankment has been eroded.

Since the installation of EcoShield in November of 2015, the landowner has not had to perform annual lifting or rebuilding of the levee as he has had to do previously. The levee remains in tact where EcoShield was installed.

Sidney Coffee, senior advisor of the America's WETLAND Foundation, said, "By embedding native vegetation for protection of the levee in recycled permeable PET plastics at a fraction the time and costs of other methods, this could be a game changer and could be replicated all along the waterway."