

# TV-63 Cole's Bayou Marsh Creation

Freshwater Bayou, Vermillion Parish

## MARSH PROTECTION

### PROJECT TEAM

#### OWNER:

CWPPRA and State of Louisiana

#### ENGINEER:

CPRA / NOAA Fisheries

#### CONTRACTOR:

Wilco Marsh Buggies

#### SUPPLIER:

Premier Concrete Products, Inc.

#### TECHNICAL DESCRIPTION:

Product: Shoretec BD 400 OC  
Block Type: Open Cell  
Underlayment: Non-Woven Geotextile  
Square Feet: 82,880  
Installation Date: 2019



### Project Description:

The Cole's Bayou Project was designed to revitalize an area of wetlands between Freshwater Bayou and Little Vermillion Bay. The site has been damaged by oil and gas canals along with the digging of the Freshwater Bayou Canal. In addition, earthen berms were created from the spoil material reducing the movement and flow of freshwater and salt water through the delicate system.

### Problem:

To construct the project, new earthen berms and structures had to be installed on the perimeter of the project area. These new sites and unprotected slopes of weak soils were going to be vulnerable to wind, fetch, and boat traffic erosion. For the project to be successful, these sites are required to last the 20 year lifespan of the project.

### Solution:

To reduce and eliminate the erosion, CPRA designed the project to incorporate articulated concrete blocks along several perimeter sites anticipating the heavy impacts from different types of erosion. Premier Concrete products supplied its **BD 400OC** mats to successfully meet the project specifications. During the construction phase, CPRA/NOAA moved forward with several change orders to increase the mat quantities due to the success of the Shoretec® articulate concrete mats.