

CPRA Biloxi Marsh Living Shoreline Test Project

St. Bernard Parish Shoreline, Louisiana

**SHOREJAX
COASTAL
EROSION**

PROJECT TEAM

OWNER:

CPRA - State of Louisiana

ENGINEER OF RECORD:

Mott MacDonald Company

SUPPORT ENGINEERS:

Arcadis Engineer

JOB NUMBER: PO 148

CONTRACTOR:

Cycle Construction

SUPPLIER:

Premier Concrete Products, Inc.

TECHNICAL DESCRIPTION:

Product: 48" SHOREJAX Clusters
L.F. 3,360
Cluster: 3:2 stack
12 units on bottom
5 units on top
Installation Date: Oct. 2016



PROJECT DESCRIPTION:

Coastal Protection and Restoration Authority, CPRA, launched a product evaluation study of the Biloxi marsh in coastal St. Bernard Parish. The goal of this project is to determine which coastal erosion prevention products would best perform in two areas:

1. Coastal Erosion Protection
2. Oyster & Aquatic life habitat

Funding for this project was allocated from the Restore Act of 2012.

PROBLEM:

Since 1930, Louisiana has lost approximately 2,000 square miles of coastal wetlands. Today, Louisiana coastal wetlands are being lost at a rate of 16 square miles a year. This rapid decay of wetlands has prompted Louisiana's Coastal Protection and Restoration Authority, CPRA, to begin using engineered solutions to slow and possibly reverse this loss of vital wetlands.

SOLUTION:

ShoreJax®, concrete armor units, were among the products selected to participate in the yearlong study of both wave attenuation to prevent soil erosion and artificial reef habitat growth. The section of **ShoreJax** will be analyzed to its effectiveness in both of the project parameters.

SHOREJAX