Sullivan Shoreline
Living Shorelines Project
Trinity Bay, Chambers County, TX

**Breakwater:** 890LF
**Marsh created:** 2.31 acres
**Total Project Cost:** $51,940.50

**Summary:** Various methods tried in high energy environment.

Photos: Jim Dobberstine
Sullivan shoreline
Fence Installation
Image date: 12-2008

Orange snow fence between stout pilings

Still natural shoreline
Sullivan shoreline
Fence Installation
Image date: 03-2010

Bulkhead
Sullivan shoreline
Fence Installation
Image date: 03-2010
Sullivan shoreline
Fence Installation
Image date: 12-2015
Sullivan shoreline
Pre-shoreline work
Image date: 11-2006
Sullivan shoreline
Fence Installation
Image date: 03-2010
In high wave energy environments, the use of heavier materials off-shore to slow the waves is necessary. However, correctly designed and placed, they can still yield healthy inter-tidal marsh and provide additional benefits such as increased oyster habitat.
NWP 27 - Aquatic Habitat Restoration, Establishment, and Enhancement Activities. Activities in waters of the United States associated with the restoration, enhancement, and establishment of tidal and non-tidal wetlands and riparian areas, the restoration and enhancement of non-tidal streams and other non-tidal open waters, and the rehabilitation or enhancement of tidal streams, tidal wetlands, and tidal open waters, provided those activities result in net increases in aquatic resource functions and services.