

Application Story

PROJECT | MACKAY ISLAND, NORTH CAROLINA
 Product | Geotube® Marine Structures Technology
 Application | Wetlands Creation

Location
 Installation

Mackay Island, North Carolina
 2005

The Challenge:

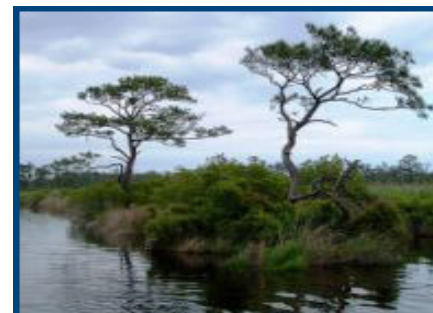
The Mackay Island National Wildlife Refuge is a popular area for migratory waterfowl such as snow geese, Canadian geese, and many other species of bird and ducks. The island, comprised primarily of marsh habitat, needed to protect and restore some of its existing marshlands.

The Solution:

Geotube® marine containment technology was selected for this wetlands project. The installation involved 17' circumference Geotube® units (4,100 linear feet) and 35' wide scour aprons (4,100 linear feet). Both of these were made from high-strength polypropylene fabric. The Geotube® units were filled with sandy material taken from the immediate area [photo 3]. These formed a large horseshoe around the sides of the marsh area most exposed to the relentless wave attacks [photo 4].

The Results:

The line of Geotube® containers worked well to protect Mackay Island and the existing marshlands of the wildlife refuge.



Contact Information:

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