

Application Story

PROJECT UPHAM BEACH, FLORIDA
 Product Geotube® Marine Structures Technology
 Application Jetties

Location Upham Beach, Florida
 Installation 2004

The Challenge:

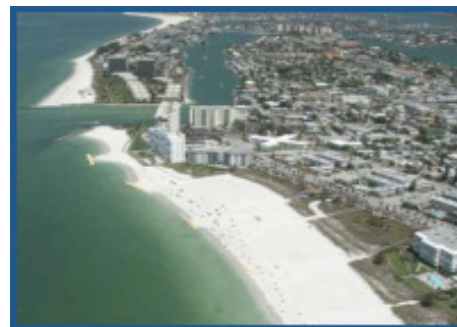
During a 30-year period in the late 20th century, the Army Corps of Engineers renourished Upham Beach six times with more than one million cubic yards of sand -- costing over \$10 million. Heavy wave action continued to threaten seawalls, dunes, and beachfront properties. A long-term solution was needed to address the chronic erosion problem of Upham Beach.

The Solution:

Geotube® marine containment technology provided the answer for this chronic erosion situation. The key was changing the wave action. A series of five "T-Head" groynes were built on the beach to alter the wave energy [photo 2]. The Geotube® containers (30' circumference) were up to 200' long and 190' wide. Each unit was sprayed with a special sand-colored polyurethane coating to provide a protective barrier against UV rays and vandalism [photo 3].

The Results:

Since the installation of the Geotube® structures, the beach has stabilized and replenished itself. After only two years, Upham Beach measured 100 feet wider in the area of the groynes [photo 4]



Contact Information:

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