

## Application Story

PROJECT | BALD HEAD ISLAND, NORTH CAROLINA  
 Product | Geotube® Marine Structures Technology  
 Application | Jetties

Location | Bald Head Island, NC  
 Installation | 1995

### The Challenge:

Bald Head Island has experienced serious beach erosion troubles since the mid-1970s. The island was losing the shoreline battle. A plan was needed to reclaim and protect the beach shoreline.

### The Solution:

Geotube® marine containment technology was used for this shoreline project on the southernmost of North Carolina's cape islands. A series of 16 Geotube® containers (30' circumference x 300' long) were installed perpendicular to the coast [photos 1 and 5]. The units were hydraulically pumped with dredge material [photo 2]. One third of the Geotube® containers were buried back to the island's dune line [photo 3].

### The Results:

The width of the beach area increased after the Geotube® jetties were completed [photo 6]. Geotube® technology proved to be a cost-effective method of rebuilding the beach.

And in September 1996, only two days after the Geotube® installation, Hurricane Fran made landfall near Bald Head Island. No erosion occurred as a result of that Category 3 hurricane.



### Contact Information:

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