

PROJECT PROFILE



PROJECT

Cape May Point State Park

LOCATION

Cape May, New Jersey

APPLICATION

Shoreline Revetment 12 in. thick

PRODUCT

Triton UX200 Marine Mattresses

QUANTITY

+/- 1000

OWNER AND/OR DEVELOPER

City of Cape May, State of NJ DNR

ENGINEER

Geosyn International

INSTALLATION DATE

April 1996

PROJECT DETAILS

Cape May Point State Park is one of the most notoriously erosive sections of the U.S. Atlantic coastline and stabilization of the dune and shoreline were required to save historical buildings and critical marsh habitat. Triton Marine Mattresses were installed over a layer of old construction debris in the tidal zone with no need for an extended apron or embedded toe.

Over time, the mattress toe became covered with sand and much of the sand subgrade layer washed into the voids of the concrete debris used as the core, resulting in an irregular and steeper surface supporting the mattress units. The flexibility of the mattress units allowed them to stay in contact with the subgrade preventing any further scour of the dune system.

In late 1997, a severe storm event exposed the installation to direct wave attacks of 8 ft. or more, with the mattresses protecting the dune as intended. In 2004 and in 2006 the USACE renourished the beach area covering the dunes and mattresses with sand and then new plantings were installed. The site was re-visited in August of 2019, 23 years after the installation and the Triton Marine Mattresses were continuing to perform creating a thriving beach dune system and protection from future events like Superstorm Sandy.

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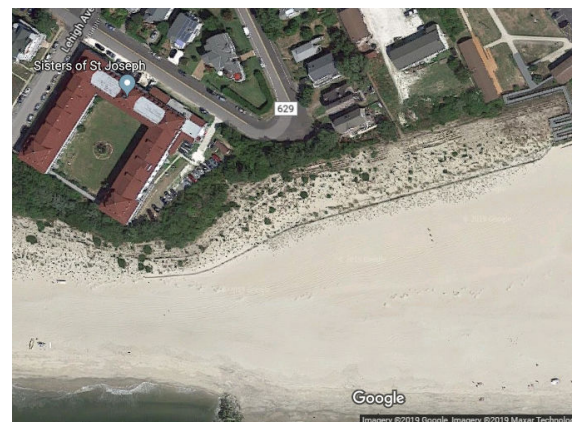
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Cape May, New Jersey circa 1997



Cape May, New Jersey 2019



Cape May, New Jersey 2019

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