



PROJECT

Gator Lake at St. Andrews State Park

LOCATION

Panama City Beach, Florida

APPLICATION

Breakwater and Scour Protection

PRODUCT

Triton UX200 Marine Mattresses

QUANTITY

192

OWNER AND/OR DEVELOPER

Florida Dept. of Environmental Protection

ENGINEER

MRD Associates, Inc.

CONTRACTOR

Shoreline Foundation

INSTALLATION DATE

2015

PROJECT DETAILS

Gator Lake is a freshwater lake created by the USACE when it dredged the St. Andrews Channel in the 1930s. Home to many species of wildlife, Gator Lake faced a serious threat from erosion. MRD Associates recommended Triton Marine Mattresses to create the foundation for four armorstone breakwaters and dissipate wave energy causing scour.

The project site was re-visited and inspected in late 2019 after Hurricane Matthew made landfall in this area. The mattresses were still providing scour protection, bearing capacity improvement and separation for the armorstone breakwaters. The Triton Marine Mattresses have proven to be an integral part in naturally rebuilding the shoreline.



Click the image below to view the project profile video.



Gator Lake is small freshwater lake that is home to a variety of Florida wildlife and would be in danger of disappearing due to the erosion.



Triton UX Mattresses are still providing scour protection, bearing capacity improvement & separation for the armorstone breakwater.

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