

Ocean Ridge Renourishment

A Palm Beach County Shore Protection Project

Project Location

- Just south of Boynton Inlet (aka South Lake Worth Inlet) on the Atlantic Ocean.

The Problem

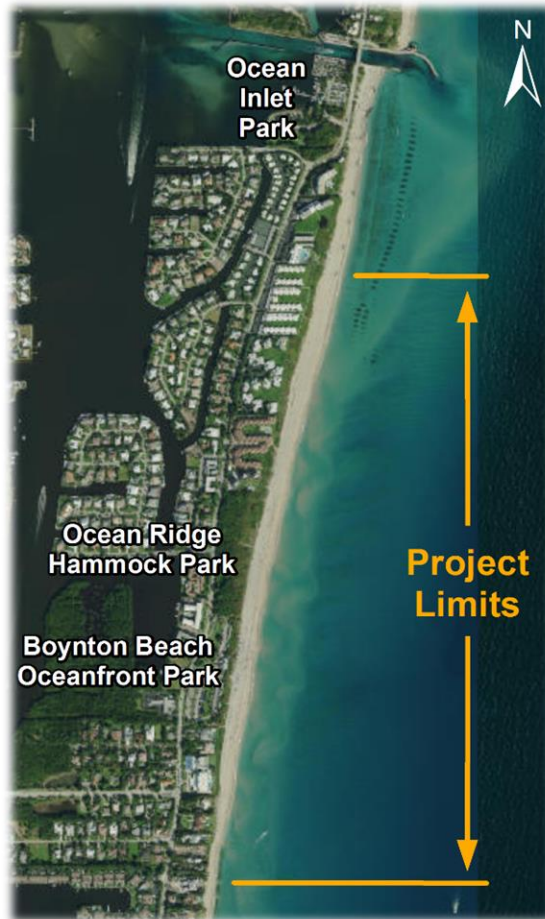
- Hurricane Irma caused severe erosion within the project area in 2017. Hurricane Dorian caused additional erosion in 2019.

The Solution

- The US Army Corps of Engineers last restored the project in 2014, dredging 485,000 cubic yards of sand from a nearshore borrow area.
- Palm Beach County returns sand to the beach south of the inlet with the sand transfer plant and periodic sand trap dredging.
- T-groins stabilize the highly erosive beach just south of the inlet.

Benefits

- Storm protection for roads and structures
- Restores sea turtle habitat
- Maintenance of public recreation



Cutter-suction dredge *Savannah* during the 2014 project.



Bull dozers shape sand pumped to the beach via pipeline.

2020 Project Overview

- Construction is scheduled to begin in March 2020, during which 430,000 cubic yards of sand will be dredged to restore 1.1 miles of beach.
- The sand source is a borrow site 1,800 feet offshore of the project.
- All State/Federal permits for the project have been issued.
- The project is estimated to cost \$5 million and will be fully funded and managed by the US Army Corps of Engineers.
- The contractor, Great Lakes Dredge & Dock Company (GLDD), will work 24/7.
- GLDD will access the beach along the north end of Boynton Beach Oceanfront Park and stage most of its equipment on the beach.
- Dark sand color and cloudy water are normal during and immediately following construction. The sand will lighten after a few weeks of sun exposure.
- For Project Updates please visit <http://discover.pbcgov.org/erm/CoastalReports/Ocean-Ridge.aspx>

Project Partners

US Army Corps of Engineers, Florida Department of Environmental Protection, Palm Beach County



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