

Jupiter/Carlin Renourishment Project

A Palm Beach County Shore Protection Project

Project Location

- Northern Palm Beach County (PBC), south of the Jupiter Inlet, extending to the southern boundary of Carlin Park. (1.05 miles)

The Problem

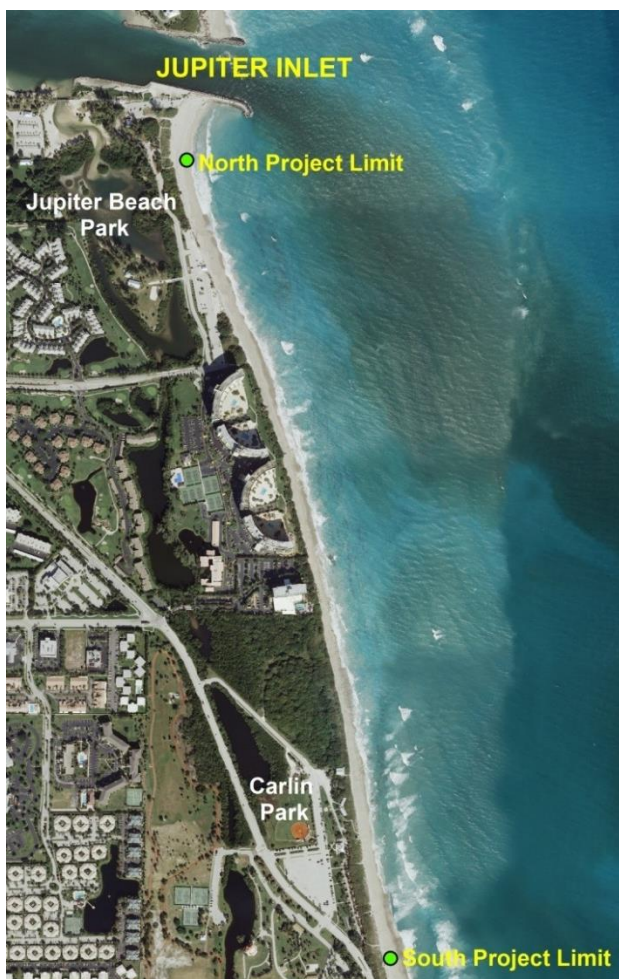
- Hurricane Irma in 2017 caused severe erosion within the project area. Additional erosion occurred as a result of Hurricane Dorian in September of 2019.
- Beach erosion threatens land & buildings and results in the loss of important beach & dune habitat and recreation area.

Solutions and History

- The project area was last nourished in 2014/15 as part of a cooperative effort between the US Army Corps of Engineers and PBC placing 411,000 cubic yards of sand for a storm repair project.
- Intracoastal Waterway maintenance & inlet dredging are conducted by the Florida Inland Navigational District (FIND) and the Jupiter Inlet District (JID).

Benefits

- A stabilized beach and dune will provide storm protection, recreational opportunities, and sea turtle nesting habitat.



Hurricane Dorian caused dune erosion in front of the Jupiter Civic Center. (September 2019).



Newly planted sea oats and newly constructed beach 2014/15 renourishment (August 2015).

Project Overview

- This project is also known as Segment 1 of the North County Comprehensive Shoreline Protection Project.
- All State/Federal permits for the project have been issued.
- Construction is scheduled between December 2019 and January 2020 where up to 517,000 cubic yards of sand will be placed, providing a restored dune and beach.
- Work will occur on a 24 hour basis.
- The sand source is an offshore borrow area 1.6 miles northeast of Jupiter inlet in approximately 70 ft. of water.
- The project is estimated to cost \$8.4 million and will be fully funded and managed by the US Army Corps of Engineers.
- Great Lakes Dredge and Dock is the selected contractor. Their primary staging area will be located within the vegetated lot on the north end of Carlin Park.
- Dark sand color, organic odor, and cloudy water during and immediately post construction is normal. The sand will lighten and the odor will subside after a couple weeks of exposure to the sun.

Project Partners

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



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