SOUTH LAKE WORTH INLET

SAND TRAP AND CHANNEL MAINTENANCE DREDGING PROJECT

Palm Beach County Inlets

- 4 inlets, 2 natural and 2 man made.
- South Lake Worth Inlet, also called the Boynton Inlet, construction started in 1925 and completed in 1927.

Project Location

- Between the towns of Manalapan and Ocean Ridge.
- Connects the Atlantic Ocean with the Lake Worth Lagoon.

The Challenge

- Inlets interrupt the natural southerly flow of sand along the coast.
- Sand has piled up in the interior sand trap and navigation channels adjacent to the inlet.

The Solution

- Dredge the sand trap adjacent to the inlet.
- Dredge the shoaled sand from the Intracoastal Waterway and Harvey E. Oyer Jr. Park boat ramp channel.
- Beneficially reuse dredged sand by placing on the critically eroded shoreline of Ocean Ridge.

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Project Overview

Phase I (February - April)

- A cutterhead dredge will remove the accumulating sand in the interior sand trap and within the navigation channels west of the inlet.
- Sand/water mixture will travel by pipeline through the Ocean Inlet Park, under A1A and along the beach into the ocean at Ocean Hammock Park.
- More than 55,000 cubic yards of sand from the interior sand trap, the Lake Worth Lagoon, and the Boynton Boat Club Channel will be removed and re- introduced into the coastal (beach) system.
- Dredged material will be placed below the low tide line.

Project Partners



Aerial photo of the SLWI Inlet from the Ocean.

Palm Beach County, Florida Inland Navigation District, City of Boynton Beach, Florida Department of Environmental Protection



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