

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, constructed in 1925.

Project Location

- Between the towns of Manalapan and Ocean Ridge in the Intracoastal Waterway.

The Problem

- Sand has piled up in the inlet, settling in the man-made sand traps and navigation channels.

The Solution

- Dredge the man-made sand trap inside the inlet.
- Dredge the shoaled sand from the navigation channels.
- Return the sand to the beach south of the inlet.



The dredge, Wilco, in the interior sand trap



Dredged sand is discharged along the shoreline

2008 MAINTENANCE PROJECT

- A cutterhead dredge, the *Wilco*, was used to remove the accumulating sand in the interior sand trap and navigation channels west of the inlet.
- Sand/water mixture traveled by pipeline through the inlet, over the south jetty and along the beach into the ocean at Ocean Hammock Park.
- Discharged sand re-entered the littoral system and was immediately transported by waves and currents off shore.
- 56,000 cubic yards of sand from the interior sand trap, the Intracoastal Waterway, and the Boynton Boat Club Channel was removed and re introduced into the coastal (beach) system.



Dredged sand being pushed to the ocean

Project Partners

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



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