



# Peanut Island Environmental Enhancement

## A Lake Worth Lagoon Restoration Project

### Lake Worth Lagoon

- 20 miles long, stretching from North Palm Beach to Ocean Ridge.
- Largest estuary in Palm Beach County.
- Separated from the ocean by Singer Island and Palm Beach Island.
- Two permanent, man-made inlets.

### Project Location

- Peanut Island is located in the northern portion of the Lagoon at Lake Worth Inlet.

### The Problem

- Peanut Island was originally formed, beginning in 1918, from material dredged to create the Lake Worth Inlet and maintenance of the Intracoastal Waterway. Over time, the 79-acre island became overgrown with a forest of non-native (exotic) vegetation, primarily Australian pines.

### The Solution

- Remove exotic plants, restore native habitats, and add recreational features.

### Benefits

- A variety of restored habitats for fish, manatee, shrimp, crabs, and birds.
- The restored island is a popular site for recreation and environmental education while retaining its function as a dredged material management area.

Overgrown with Australian Pines



Construction, 2005



Snorkeling Reef System



Peanut Island, 2008



## Project Overview

- Restored 26 acres of upland habitats: dune, coastal strand, and maritime hammock.
- Removed 60 acres of exotic plant species like Australian pine and Brazilian pepper.
- Constructed 5 acres of wetland habitats: a snorkeling reef system and shallow-water lagoon habitat with tidal channels to flush existing mangroves.
- Native dune plantings on the 12-foot high levee surrounding the Florida Inland Navigation District's 23-acre dredged material management area provides slope stabilization and quality wildlife habitat.
- Installed over 125,000 native plants.
- Placed 36,000 tons of limestone and granite boulders for habitat and shoreline stabilization.
- The perimeter of the island is a County park providing public amenities such as a boardwalk, 1.25 mile brick walking path, boat docks, snorkeling, and camping.
- Peanut Island restoration was completed in 2005.

## Project Partners

Palm Beach County, Florida Department of Environmental Protection, Florida Inland Navigation District, U.S. Army Corps of Engineers, Port of Palm Beach, the U.S. Department of Agriculture, Florida Fish and Wildlife Conservation Commission.



Palm Beach County Board of County Commissioners  
Department of Environmental Resources Management  
2300 North Jog Road - Fourth Floor, West Palm Beach, FL 33411  
Phone: 561-233-2400 <http://www.pbcgov.com/erm>

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