



South Cove Natural Area

A Lake Worth Lagoon Restoration Project

Lake Worth Lagoon

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

Project Location

- The project is located within the City of West Palm Beach, west of the Intracoastal Waterway and north of Royal Park Bridge, adjacent to Flagler Drive.

The Problem

- Dredging and filling along the edge of the Lagoon left deep holes. Over time, they accumulate sediments, become devoid of oxygen, and provide little habitat value.

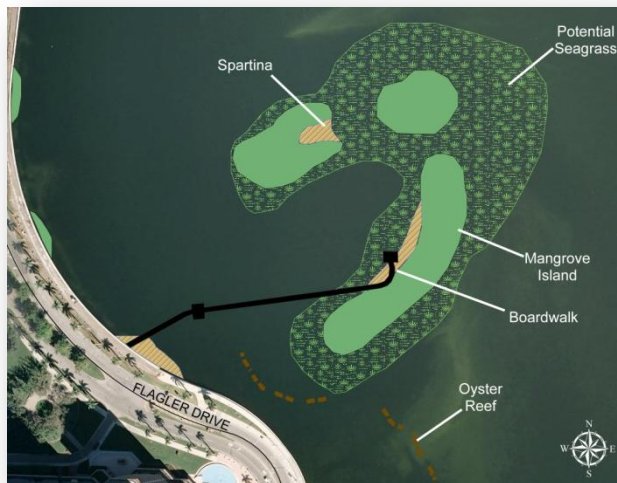
The Solution

- Create shallow water mangrove and seagrass habitats.

Benefits

- Increased nursery areas and habitat for fisheries, benthic organisms, and wildlife.
- Improved water quality.
- A popular site for environmental education, recreation, and ecotourism.

Artist's Rendering of South Cove Natural Area



Location: Downtown West Palm Beach

Artist's Rendering of Boardwalk

Project Overview

- The South Cove Natural Area is designated as a high-priority restoration project in the Lake Worth Lagoon Management Plan. This project will provide critical shallow water habitat and improve water quality.
- Fill anoxic (lacking-oxygen) dredge holes with 175,000 cubic yards of fill to create three intertidal mangrove/spartina islands.
- Create 2 acres of mangrove and spartina habitat, 3.5 acres of potential seagrass habitat, and 0.9 acres of rock revetment/oyster reef.
- Construct a 556-foot elevated boardwalk, 16' x 16' observation deck and educational kiosk for public use.

Project Partners

Palm Beach County, City of West Palm Beach and Florida Department of Environmental Protection.



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