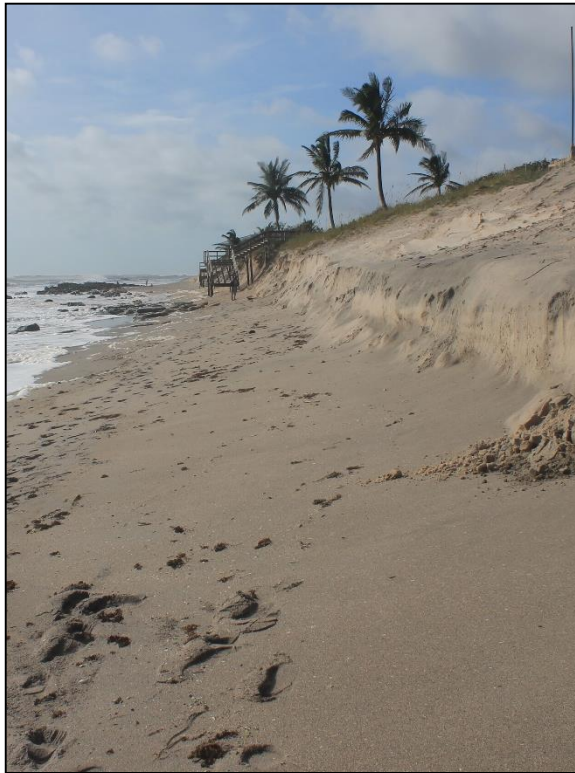
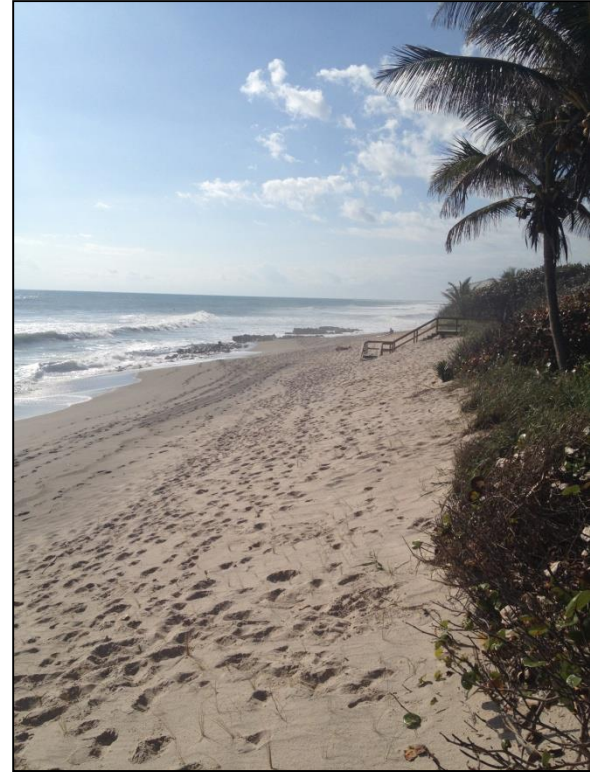


Coral Cove Dune Restoration Project

Before



After



Project Location

- Northern Palm Beach County (PBC), approximately 1 mile north of the Jupiter Inlet, from the northern County boundary to the southern boundary of Coral Cove Park.

The Challenge

- PBC's dunes are vulnerable to severe storm impacts, human activity, and invasive nonnative vegetation.

The Solution

- Restore damaged dune by adding beach-quality sand.
- Stabilize the dune with native vegetation.
- Remove invasive nonnative vegetation.

Benefits

- Restores beach habitat.
- Provides sea turtle nesting habitat.
- Healthy dunes naturally protect the beach shoreline from erosion.
- Native salt-tolerant dune vegetation traps wind blown sand, collects it around the plant, and builds up the dune and surrounding beach.

Protect the Dunes

- Refrain from pruning native vegetation.
- Limit beach raking.
- Limit fertilizer and irrigation use around dune areas.
- Keep recreational activities away from dune areas.
- Use dune walkovers.

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Project History

- In 1989, the Coral Cove Park Dune Restoration Project was first initiated, and it included:
 - Removal of invasive nonnative vegetation.
 - Filling dune with sand to restore natural dune elevation.
 - Installation of 9.6 acres of native dune vegetation.
 - Construction of 4 dune walkovers for public access.
- Subsequent dune restoration was completed in 1993, 2005, 2013, 2022, 2023 and 2024.
- Between restoration projects, dune escarpments and exotic vegetation are monitored and maintained.
- Native vegetation is utilized during restoration projects to stabilize the dune slope and limit erosion.
- In winter 2023-2024, approximately 45,000 tons of sand was used to rebuild the dune.

Project Partners

Palm Beach County, Florida Department of Environmental Protection



Palm Beach County Board of County Commissioners
Department of Environmental Resources Management
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Project Overview

- The next restoration is scheduled for February/ March 2025.
- The project will include sand placement and native dune vegetation planting.
- Funding is obtained through Palm Beach County and the Florida Department of Environmental Protection.
- County funds are provided by bed taxes generated through local hotel stays.

