Coral Cove Dune Restoration Project

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.

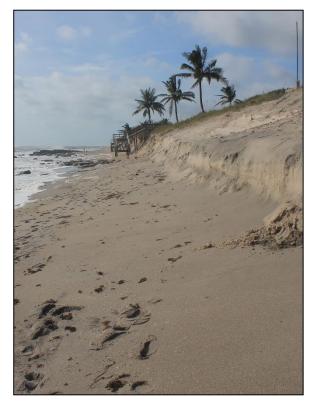
Protect the Dunes

- 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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Before



After



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.
 - Annual dune maintenance such as removal of invasive nonnative vegetation.
- Subsequent dune restoration was completed in 1993, 2005, and 2013.
- In winter 2013-2014, approximately 35,000 tons of sand was used to rebuild the dune.
- Native vegetation was installed to stabilize the dune slope and limit erosion.

Project Overview

- The next restoration is scheduled for November 2021 through January 2022.
- The project will include sand placement and native dune vegetation planting.
- Funding is obtained through the county and state governments.
- County funds are provided by bed taxes generated through local hotel stays.



Project Partners

Palm Beach County, Florida Department of Environmental Protection



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