

# 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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## 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 Partners

Palm Beach County, Florida Department of Environmental Protection



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## 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.

