



**Florida Department of Environmental Protection**

# **Florida Coastal Management Program Looking Forward**

**May 4, 2016**





# Section 309 Strategies 2016-2020



- Adaptation Action Initiative
- Aquatic Preserve Management Plans
- Visitor Use Monitoring Protocol for Florida's Aquatic Managed Areas
- Statewide Ecosystem Assessment Program of Florida's Coastal Aquatic Managed Areas
- Florida Keys Vessel Turn-In Program



# Adaptation Action Initiative



- Department of Economic Opportunity (DEO)
- Provides coastal flooding adaptation support to at least 10 local communities
- Builds upon the 2011-2015 Community Resiliency Initiative

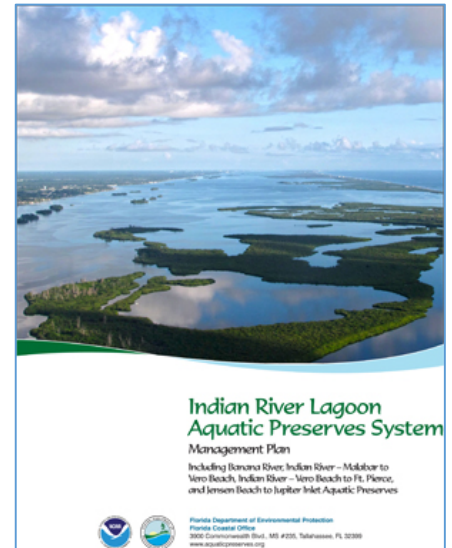




# Aquatic Preserve Management Plans



- Department of Environmental Protection (DEP)
- Provides updates to AP management plans developed in the 1980s and 1990s
- Plans include Oklawaha River, Rocky Bayou State Park, Alligator Harbor, and Loxahatchee River-Lake Worth Aquatic Preserves





# Visitor Use Monitoring Protocol



- DEP
- Develop visitor use monitoring protocol to assess statewide public access of submerged lands
- Provide data to inform ecosystem services





# Statewide Ecosystem Assessment Program



- DEP
- Implement a pilot statewide ecosystem assessment of coastal and marine resources within specially designated areas
- Develop tools for local and statewide planning and restoration





# Florida Keys Vessel Turn-In Program (VTIP)



- Florida Fish and Wildlife Conservation Commission & Monroe County
- Reduce the number of derelict vessels in state waters
- Develop incentive programs for vessel owners to properly turn-in their vessels





# New CPI Projects



- Twelve (12) new projects
- Over \$278k in funding to local governments







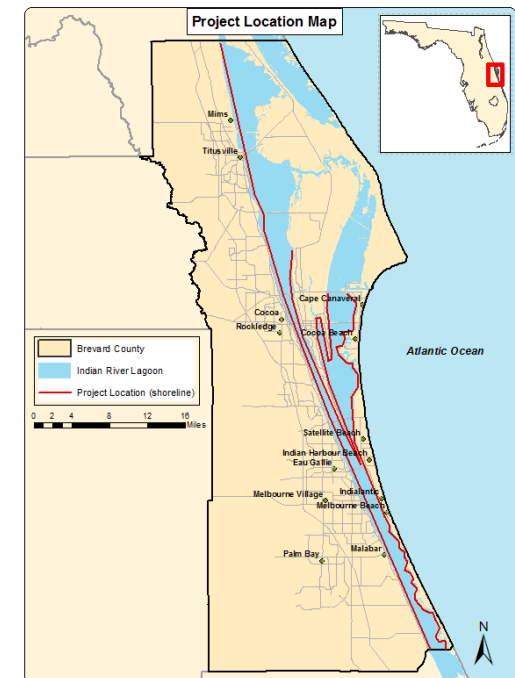
# Brevard County Shoreline Survey and Mapping



- Brevard County
- Begin development of an estuarine Shoreline Management Plan for the Indian River Lagoon
- Assessing existing conditions

## Tasks

- Preliminary Mapping
- Shoreline Survey
- Data Quality Assurance
- Geodatabase Development
- Mapping and Analyses





# Protecting Shorelines Using Oyster Reef Enhancement



- Town of Marineland and Whitney Lab for Marine Bioscience (UF)
- Engage local citizens in enhancement activities that result in increased public awareness of coastal resources

## Tasks:

- Oyster Gardening
- Restoration of oyster reefs
- Educational kiosk





# Climate Change Resiliency Strategy (CCRS)



- City of Cape Coral and Southwest Florida Regional Planning Council
- Develop a resiliency strategy to address rising sea levels within the City

## Tasks:

- Apply Vulnerability Assessment (building off Charlotte Harbor National Estuary Program's efforts)
- Create a Climate Change Resiliency Strategy of unincorporated areas of the City of Cape Coral





# Invasive Lionfish Control Program



- Monroe County and Reef Environmental Education Foundation (REEF)
- Remove invasive species which pose a significant threat to local marine ecosystems

## Tasks

- Lionfish workshops
- Removal dives
- Lionfish derbies





# Jupiter Beach - DuBois Park



- Palm Beach County
- Expand existing pathways to provide accessibility for people of all abilities

## Tasks:

- Complete pathway/sidewalk
- Upgrade pedestrian bridge for ADA accessibility
- Add ADA picnic benches
- Remove exotic Australian pines (*Casuarina equisetifolia*)





# Perico Preserve Habitat Enhancement



- Manatee County
- Enhance upland and wetlands within 83 acre preserve

## Tasks:

- Removal of nuisance and exotic species
- Application of prescribed fire
- Seeding and planting of native grasses wildflowers and trees
- Installation of a bird viewing blind





# Davis Street and Hopkins Street dune walkovers



- City of Neptune Beach
- Repair two ADA beach walkovers at the ends of Davis Street and Hopkins Street

## Tasks

- Remove and replace rotten/warped posts and decking
- Remove and replace the rotten/split framing under the decking
- Stabilize the handrails





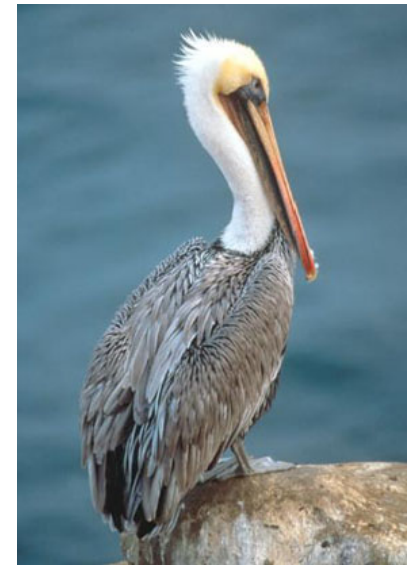
# Rock Landing Fish Cleaning Station



- Wakulla County
- Establish fish cleaning station connecting to existing sewer system

## Tasks:

- Fish cleaning station with stainless steel table and macerator
- 15 X 20 foot wooden pole structure on a cement slab
- Lighting







# Smyrna Dunes Park Renovation



- Volusia County
- Removal and control of 23 acres of Brazilian pepper (*Schinus terebinthifolius*) within the Smyrna Dunes Park

## Tasks:

- Removal of Brazilian pepper
- Education of public and volunteers through work days





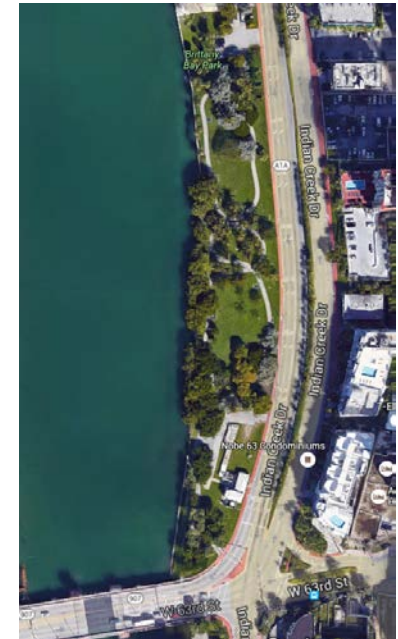
# Indian Creek Park Shoreline Stabilization and Protection



- City of Miami Beach
- Incorporation of green infrastructure into park shoreline stabilization

## Tasks:

- Finalize the design and construction of the Indian Creek Park shoreline stabilization
- Design and install educational signs at identified access points





# Shoreline Stabilization at Virginia Key



- City of Miami
- Stabilization of over 1,000 feet of shoreline with mangroves

## Tasks:

- Design a landscape plan
- Planting of mangroves
- Installation of educational signage





# Barefoot Bay Park



- Barefoot Bay Recreation District
- Enhancing a 2.3 acre site to protect the dunes and provide beach access

## Tasks:

- Construct a new dune walkover
- Installation of a shade structure
- Construction of trails connecting restroom and beach access
- Removal of exotic vegetation





# Sea Grant Partnership



- **City of Mexico Beach, Bay County** – Improve marine infrastructure for boating safety
- **City of Deerfield Beach, Broward County** – Construct a snorkeling trail on an artificial near-shore reef, accompanied by an educational program
- **City of Oakland Park, Broward County** – Develop a parcel for recreation and water access
- **City of Key Biscayne, Miami-Dade County** – Help the city of Key Biscayne develop a hazard-resilience plan
- **City of Key West, Monroe County** – Help the Key West community identify strategies to improve hazard resilience
- **City of Ft. Pierce, St. Lucie County**– Enhance a natural area for recreational opportunities on the Indian River Lagoon
- **Volusia County** – Prioritize land acquisition for hazard resilience



# Program Activities



- Marine Debris Plan Implementation
- Research and Coordination in Special Managed Areas grants
- Enhancing communications – *Coastal Currents*
- Maintain Beach Access Guide
- Florida Estuaries Alliance
- Fellowships
- Beach Safety Education





# Thank You

