



**Florida Department of Environmental Protection**  
**Florida Coastal Office**

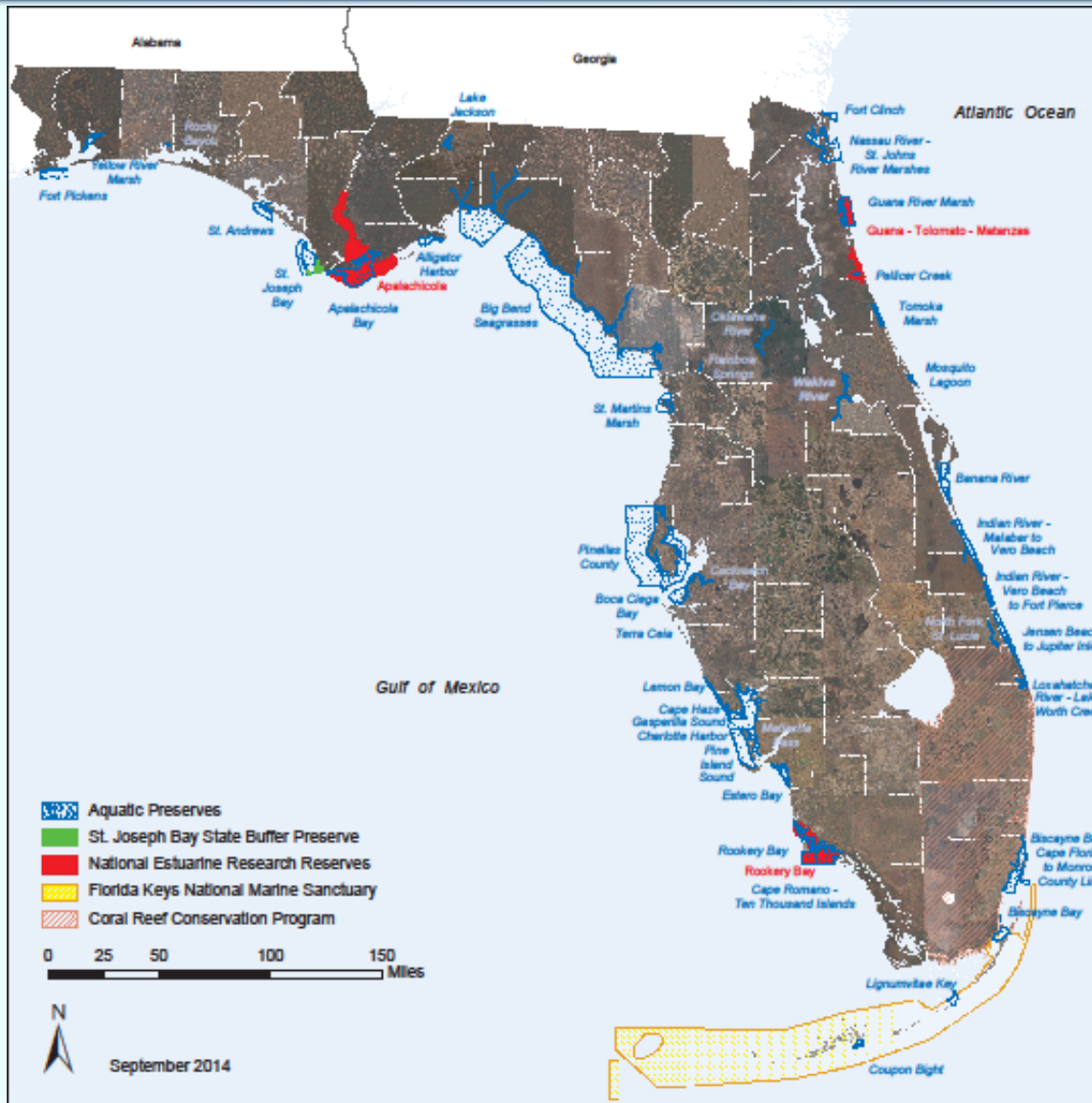
# **Aquatic Preserve Management Planning**

**May 3, 2016**





# 41 Aquatic Preserves





# When Established

1966- First offshore preserve / aquatic preserve, Estero Bay

1987- Newest aquatic preserve, Oklawaha River

Number and years other aquatic preserves were established:

2- 1969	5- 1975
18- 1970	1- 1976
6- 1972	1- 1979
1- 1973	1- 1984
2- 1974	2- 1986



# Management Plans

- Reason
- Content
  - Statutory requirements
  - History
  - Resource information
  - Goals/objectives/strategies





# Budget Spreadsheet

## Appendix D

### Goals, Objectives, and Strategies Table

#### D.1 / Current Goals, Objectives and Strategies Table

The following table provides a cost estimate for conducting the management activities identified in this plan. The data is organized by year and Management Program with subtotals for each program and year. The following represents the actual budgetary needs for managing the resources of the aquatic preserve. This budget was developed using data from the Florida Coastal Office (FCO) and other cooperating entities, and is based on actual costs for management activities, equipment purchases and maintenance, and for development of fixed capital facilities. This budget assumes optimal staffing levels to accomplish these strategies, and includes the costs associated with staffing such as salary or benefits. Budget categories identified correlate with the FCO Management Program Areas. The Funding Source column depicts the source of funds with "S" designated for state, "F" for federal, and "O" for other funding sources (e.g. non-profit groups, etc.). Dollar figures in red font indicate funding not available at this time.

Goals, Objectives & Integrated Strategies	Mgmt. Program	Implementation Date (Planned)	Length of Initiative	Est. Avg. Yearly Cost	Funding Source	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22	22 - 23	23 - 24	24 - 25	25 - 26
<b>Issue 1: Water Quality</b>															
<b>Goal 1:</b> Maintain and improve water quality within and entering the IRLAP System to meet the needs of the natural resources.															
<b>Objective 1:</b> Regularly assess water quality conditions within the aquatic preserves and the potential impacts on natural resources.															
<b>Strategy 1:</b> Collaborate with groups collecting water quality data within the aquatic preserves to stay informed about water quality.	Ecosystem Science	Requires Additional Staff	Recurring	\$2,500		\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500
<b>Strategy 2:</b> Assess compiled data to identify status, trends and information gaps.	Ecosystem Science	2008-2009	Recurring	\$2,500	F	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500
<b>Strategy 3:</b> Use or build on existing monitoring efforts to address information gaps.	Ecosystem Science	2016-2017	Recurring	\$5,000	F	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000
<b>Objective 2:</b> Protect natural resources by restoring altered areas that contribute to reduced water quality within the IRLAP System.															
<b>Strategy 1:</b> Stabilize eroding shorelines using natural materials and appropriate native plants.	Resource Mgmt.	1995-1996	Recurring	\$20,000		\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000
<b>Strategy 2:</b> Restore and establish oyster reef structure and function using natural, biodegradable materials.	Resource Mgmt.	2012-2013	Recurring	\$25,000	O	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000
<b>Strategy 3:</b> Support restoration efforts that will promote reestablishment of submerged grasses.	Resource Mgmt.	2002-2003	Recurring	\$1,000	O	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000



# Management Plan Activities



*Wading and Diving Bird Management Strategy*

June 30, 2015



## **Seagrass Protection and Restoration Plan**

June 30, 2015

**Estero Bay Aquatic Preserve**  
700-1 Fisherman's Wharf  
Fort Myers Beach, FL 33931  
(239) 530-1001  
[www.dep.state.fl.us/coastal/estero](http://www.dep.state.fl.us/coastal/estero)

**Florida Department of Environmental Protection**  
3900 Commonwealth Boulevard, MS 41  
Tallahassee, Florida 32399-3000  
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# Management Plan Activities



- Big Bend Seagrasses Aquatic Preserve, in partnership with DACS and Cedar Key Aquaculture Association
  - Ocean Conservancy's Annual International Coastal Cleanup
- 2012 to 2014 – NOAA Marine Debris and Aquaculture Use Zones Grant (spearheaded by DACS)
  - Results: Reduction in cover netting

International Coastal Cleanup / BBSAP numbers	
Cleanup Year	Number of Cover Netting Recovered
2013	> 265
2014	~ 135
2015	87
*2016	24

\*Cleanup numbers reported during a BBSAP staff cleanup conducted in February 2016



- Grant related marine debris report
  - 36,920 lbs (dimensional lumber, barrels, batteries, tires, trap and trap debris, rebar, beach furniture, boat parts, and shellfish farming gear)



# Management Plan Activities

Boating party safety hazards in  
Biscayne Bay Aquatic Preserves

- Intoxication
- Fatalities

Stakeholder involvement

- Priority actions were defined
  - Change behavior
  - BUI task force
  - Proposed motor exclusion zone
  - Increased engagement and education
    - Social media
    - On-water signage

Google earth





# Management Plan Activities



- Estero Bay Wading and Diving Bird Management Strategy
- Estero Bay Seagrass Protection and Restoration Plan



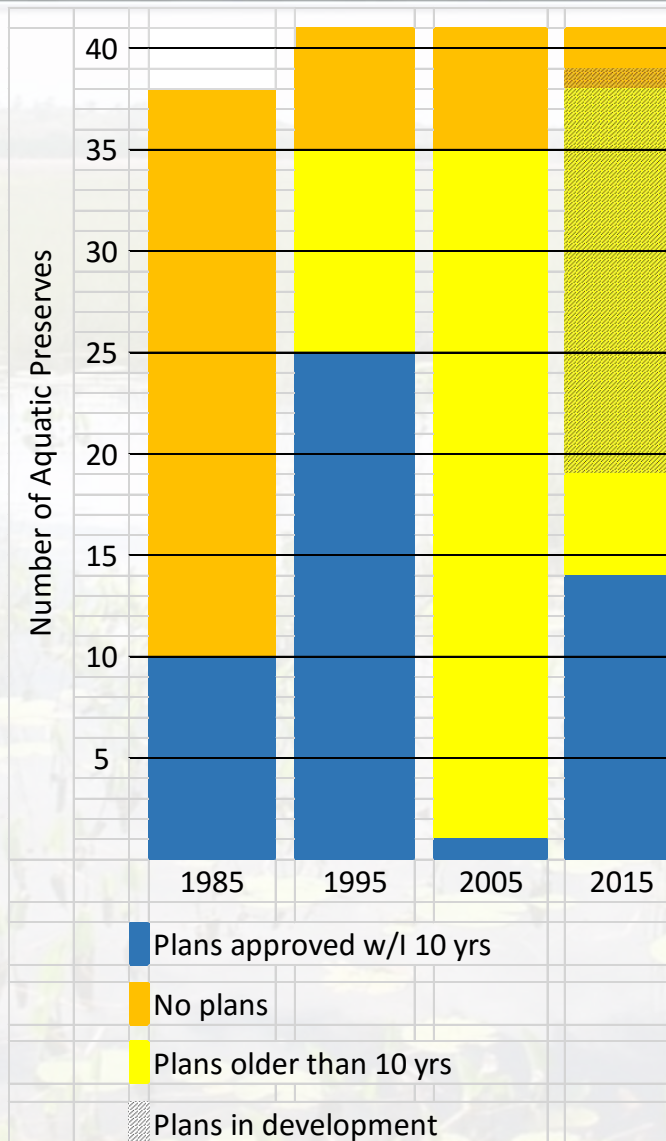
# Process

- Early drafting
- Stakeholder involvement
- Advisory committee
- Acquisition and Restoration Council



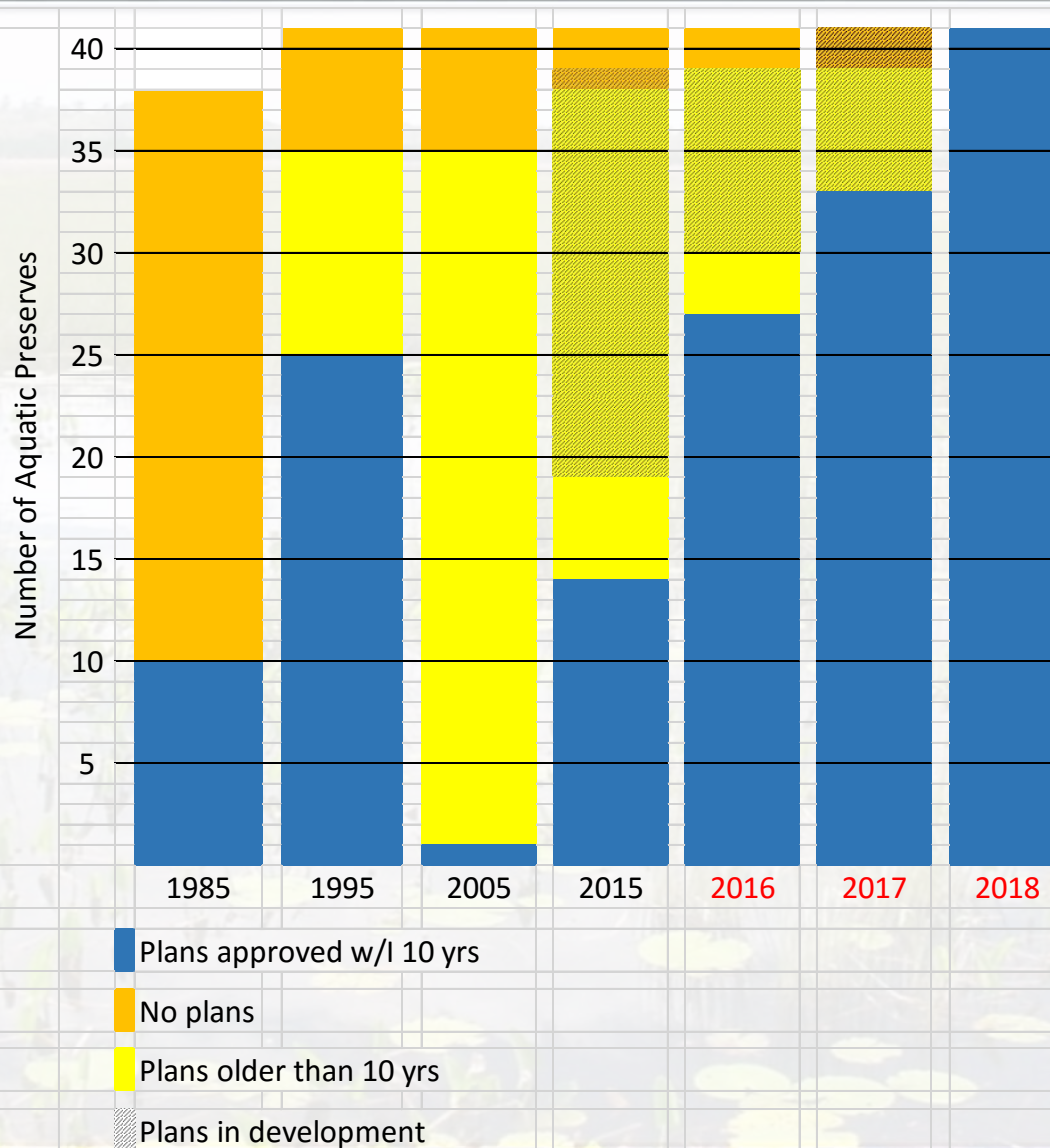


# Progress





# Progress





# Questions?

