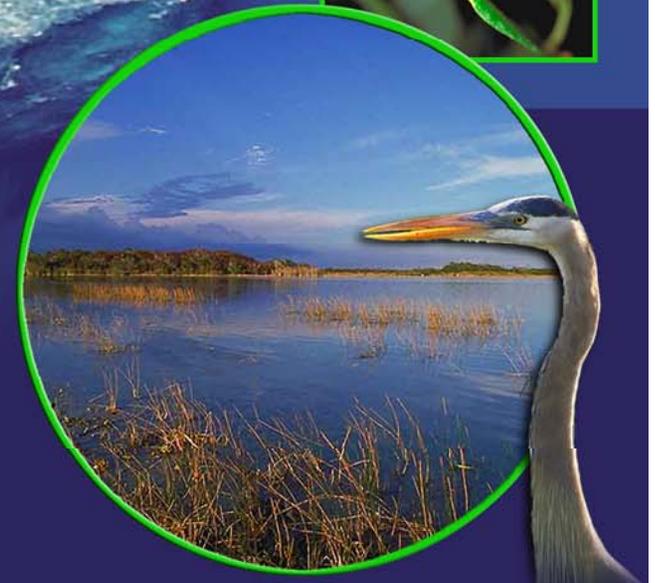


# Restoration Update Working Group 21 April 2006

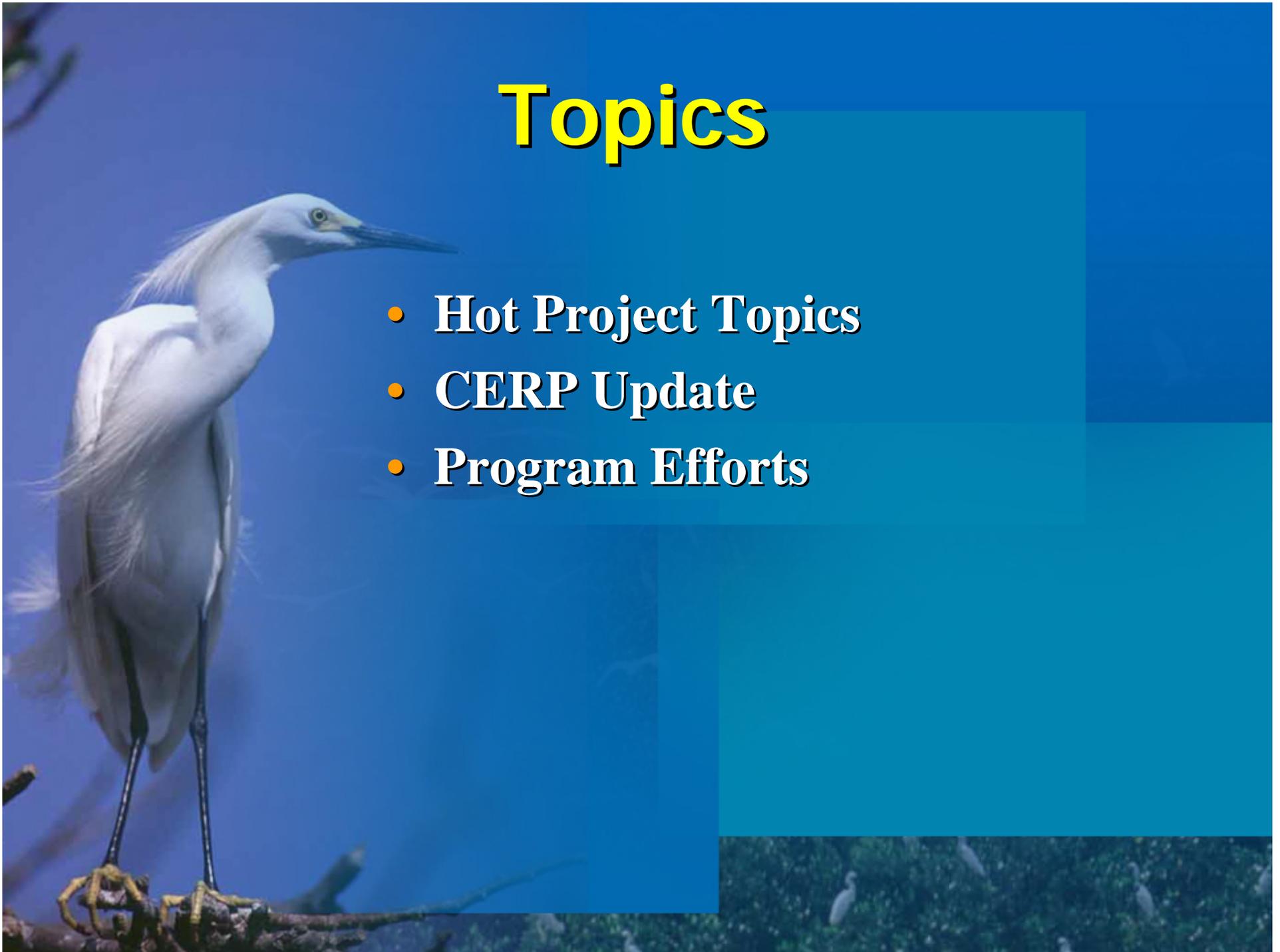


# the Restoration of America's Everglades & the South Florida Ecosystem

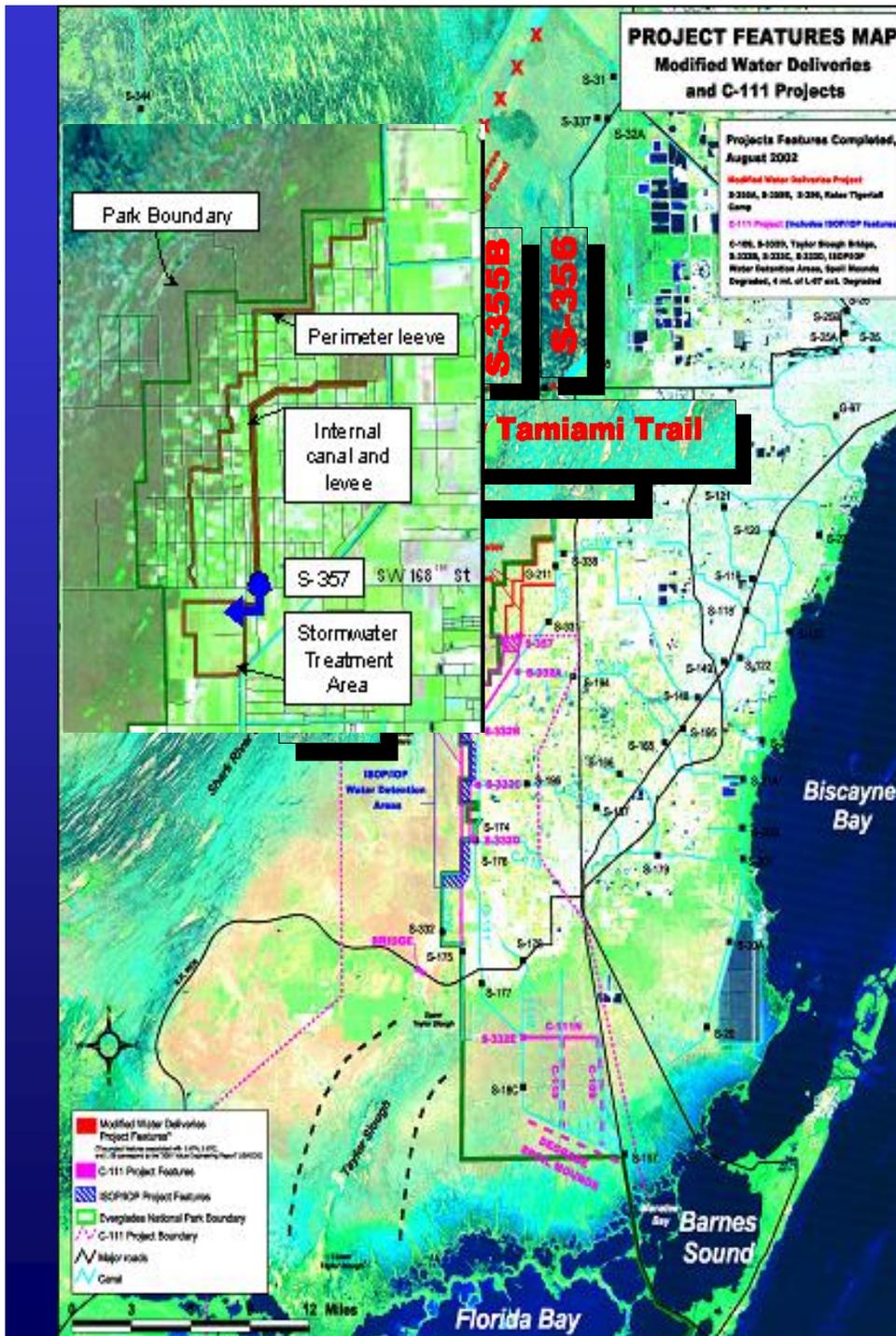


# Topics

- **Hot Project Topics**
- **CERP Update**
- **Program Efforts**







# MWD Project Completion Status

- Constructed S-355 A and S-355 B in L-29 levee
- Raised Tigertail Camp
- Degraded lower 4 miles of the L-67 extension canal and levee
- Constructed Interim S-356 pump station for seepage control
- Contact awarded for construction of Alternative 6D for the 8.5 SMA
- Final RGR/SEIS for Tamiami Trail Modifications

# 8.5 SMA Contract Underway

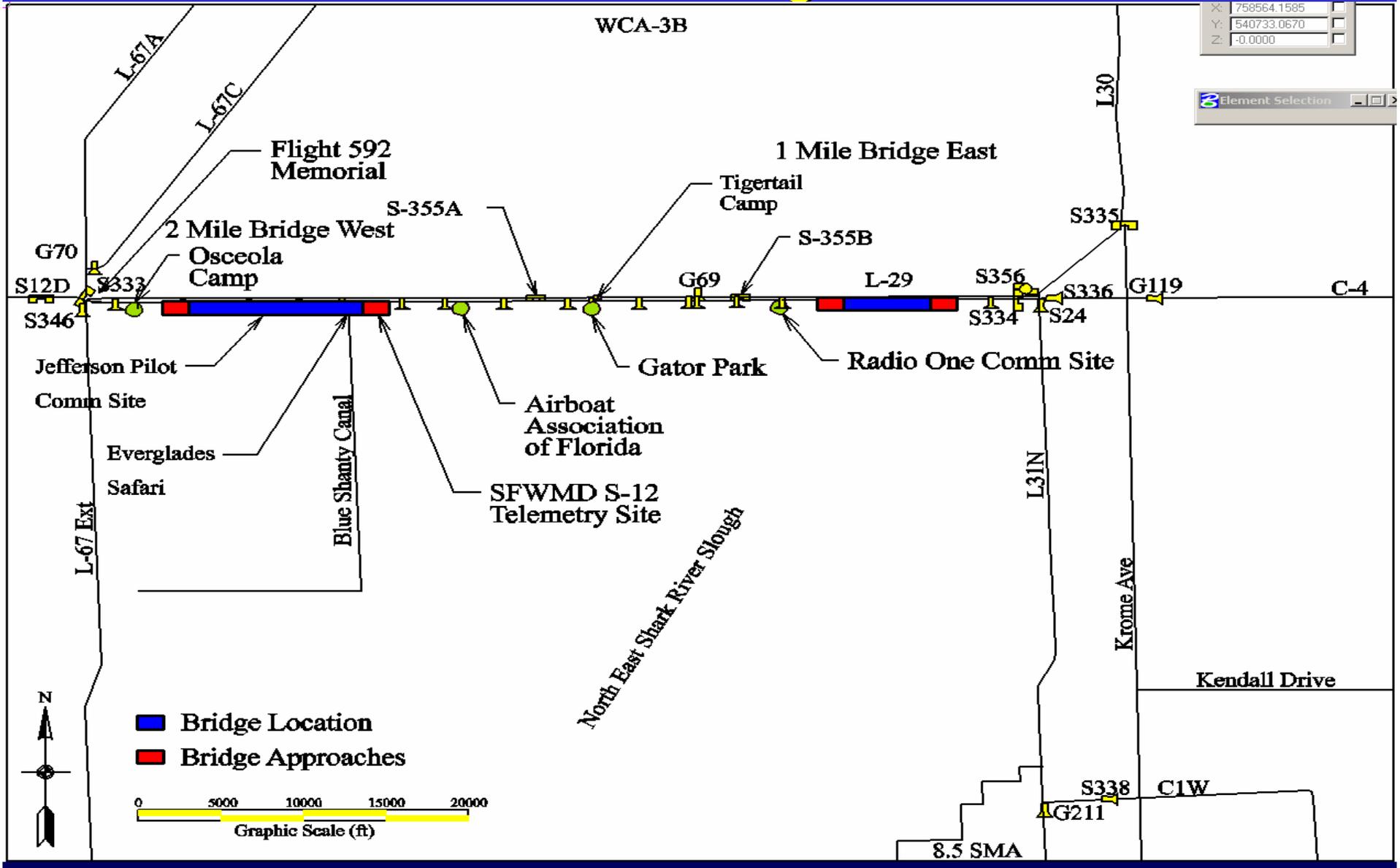


**Awarded on 20 Sept 2005**  
**For \$16.99 million – 395 days**

# Tamiami Trail - Selected Plan

## 2 Mile Bridge West and 1 Mile Bridge East

### Construction to Begin in 2007



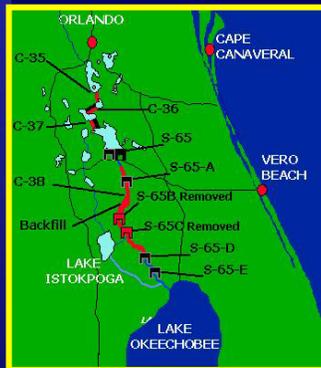
# South Florida Ecosystem Restoration continued

## Current Program

Modified Water Deliveries to ENP

(Funded Thru DOI)

Kissimmee River Restoration



Critical Projects Program

Continuing Authorities Program (1135, 206)

Central & Southern Florida Project

Upper St Johns

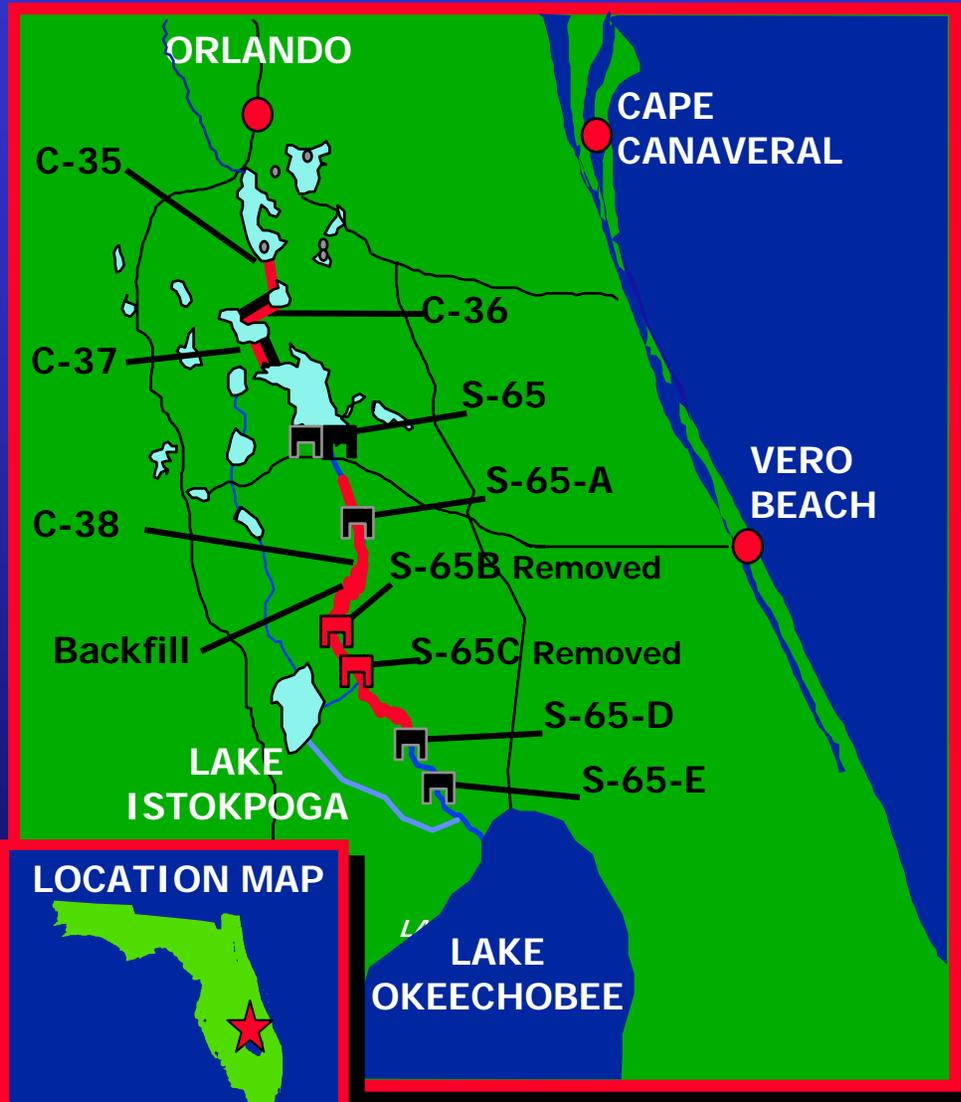
Manatee

C-51 / STA-1E

C-111

CERP

# Kissimmee River Restoration



- **Authorization:** WRDA 92
- **Purpose:** Environmental Restoration
- **Features:** 22 Miles of Canal Backfilling, Levees, Control Structure Expansion, Canal Enlargement, and Structure Removal, Land Acquisition
- **Project Cost:** \$572.4M
- **Cost Share:** 50/50
- **Local Sponsor:** South Florida Water Management District
- **Status:** Construction Underway, 1st backfill contract for 7 miles complete, Flood proofing work underway.  
Second backfill contract awarded to restore 4 more miles

# South Florida Ecosystem Restoration continued

## Current Program

Modified Water Deliveries to ENP

(Funded Thru DOI)

Kissimmee River Restoration

Critical Projects Program



Continuing Authorities Program (1135, 206)

Central & Southern Florida Project

Upper St Johns

Manatee

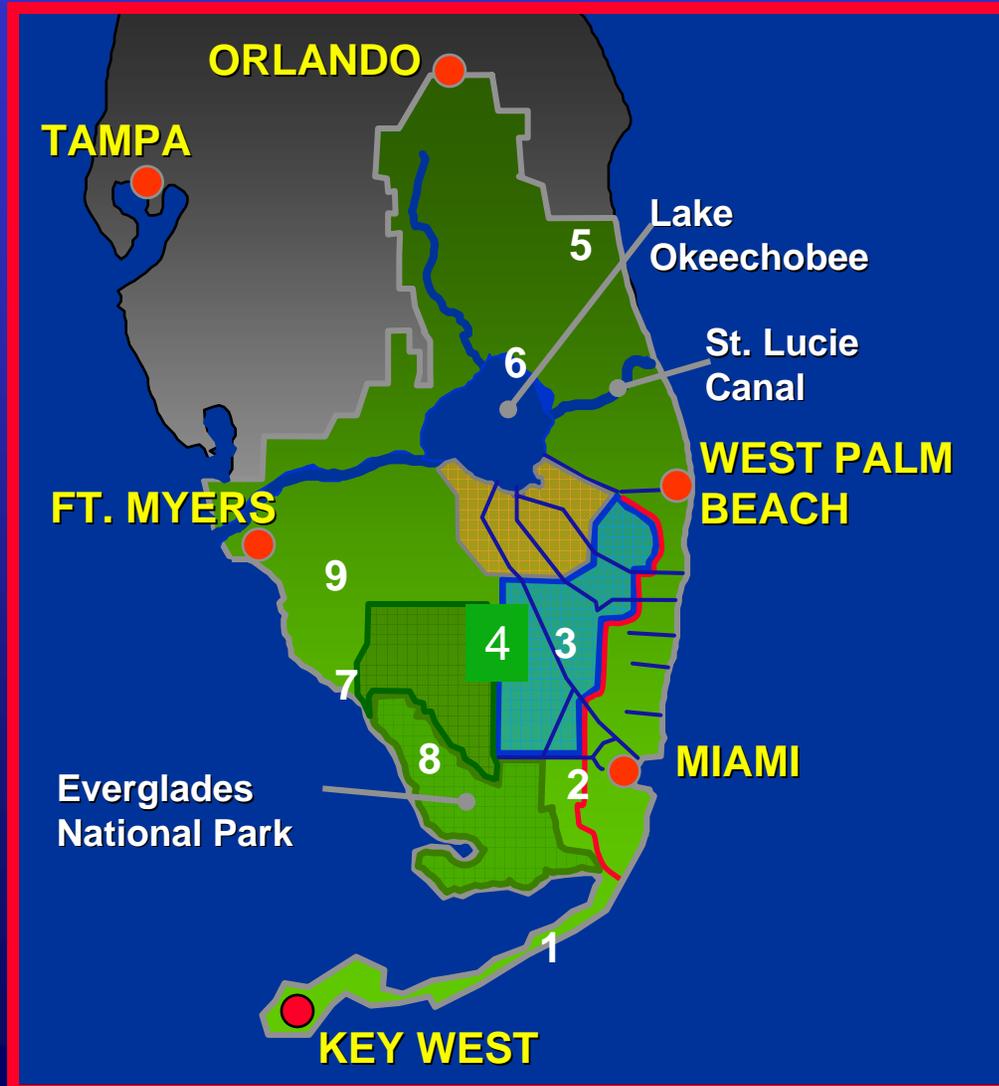
C-51/STA-1E

C-111

CERP

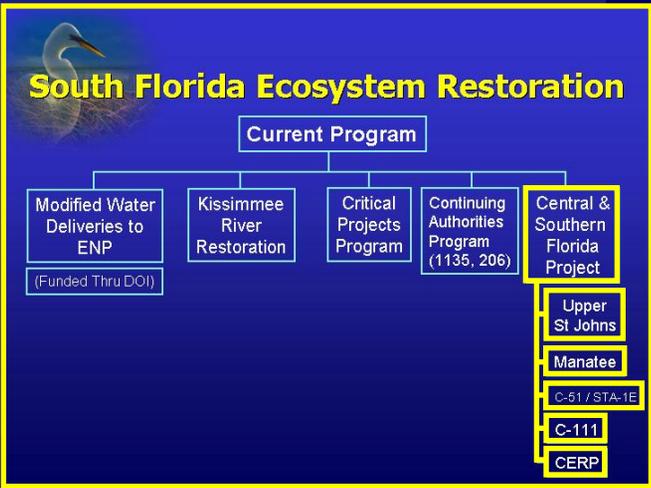
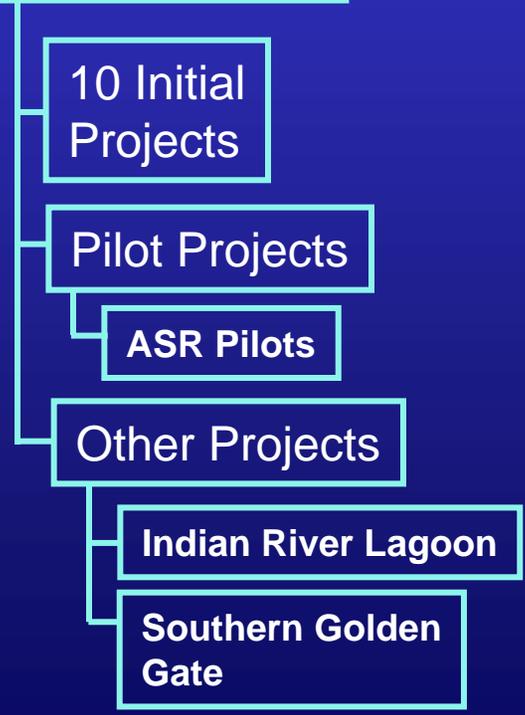
# Critical Ecosystem Restoration Projects

Special Program authorized by Congress in 1996  
at total cost of \$150 million



1. Keys Carrying Capacity
  2. C-4 East Coast Canals
  3. Western C-11
  4. **Seminole-Big Cypress**
  5. Ten Mile Creek \*
  6. Lake Okeechobee \*
  7. Southern CREW
  8. Tamiami Trail Culverts
  9. Lake Trafford Restoration
- \* Dedication – 27/28 April

# Central & Southern Florida Project



# CENTRAL AND SOUTHERN FLORIDA PROJECT

## West Palm Beach Canal (C-51) / STA 1E

### PROJECT COSTS

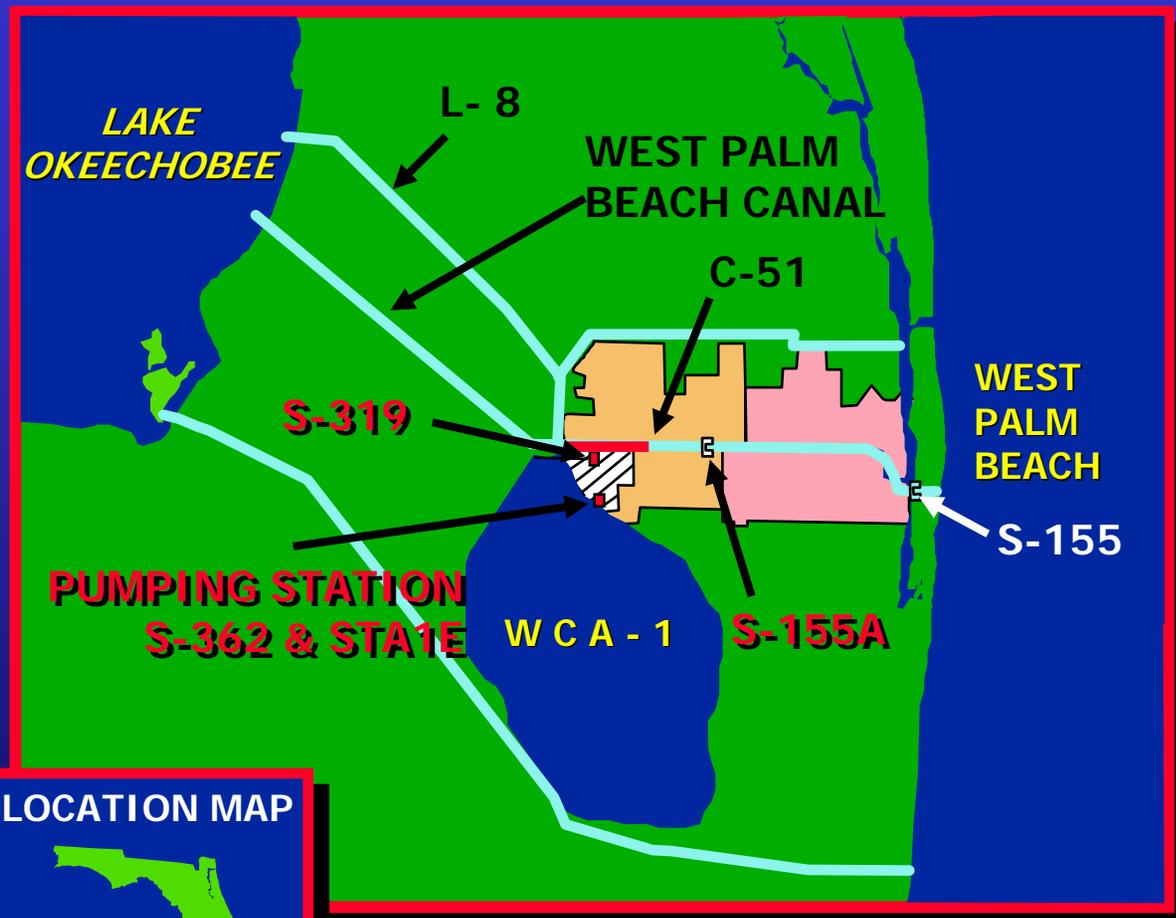
Total	\$259,100,000
Federal	\$232,900,000
Non-Fed	<u>\$ 26,200,000</u>

**COST SHARING: 91/9**

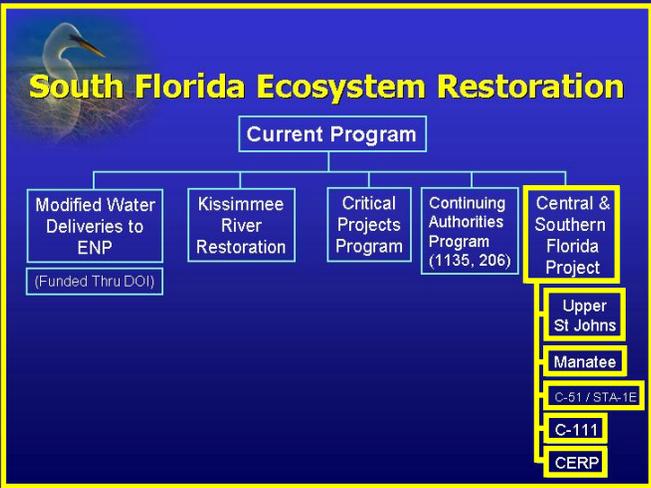
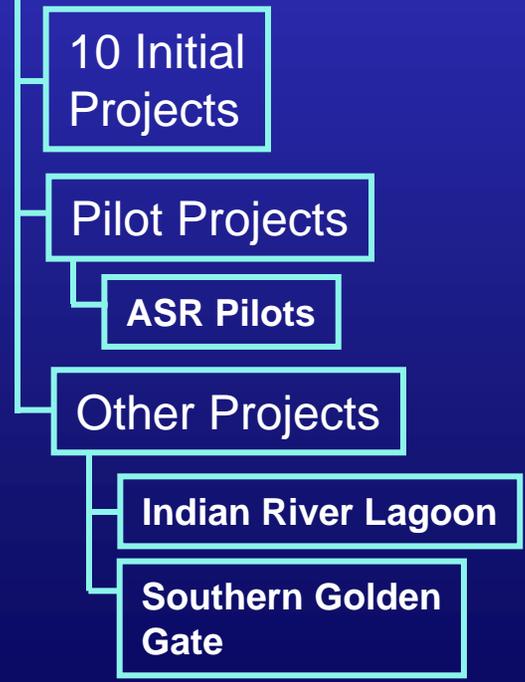
**SPONSOR: SFWMD**

**PURPOSE:** Flood Control, Water Quality, Water Supply

**STATUS:** Construction complete with transfer to SFWMD for operations. PSTA field test contract awarded. L-40 work under design with award in spring 2006



# Central & Southern Florida Project



# CENTRAL AND SOUTHERN FLORIDA PROJECT SOUTH DADE COUNTY (C-111)

## PROJECT COSTS

Total	\$274,670,000
Federal	\$137,335,000
Non-Fed	\$137,335,000

**COST SHARING: 50/50**

**SPONSOR: SFWMD**

**PURPOSE:** Environmental Restoration, Flood Control, and Water Supply

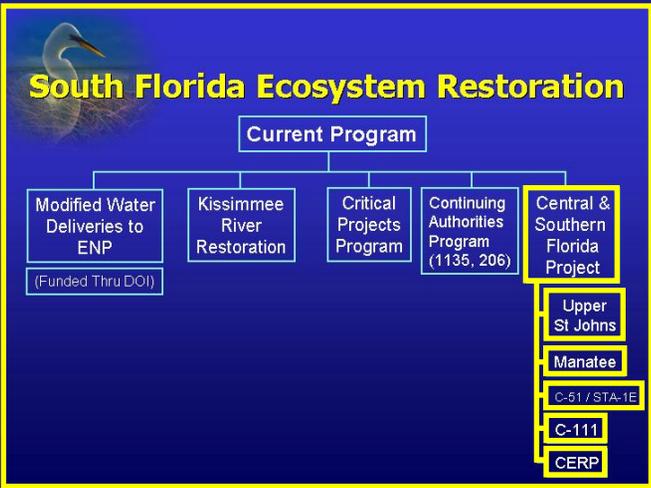
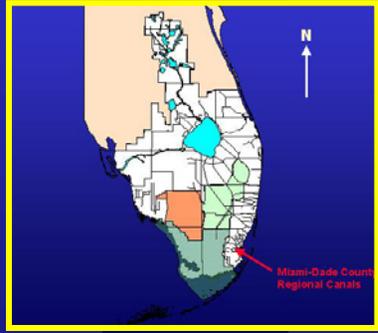
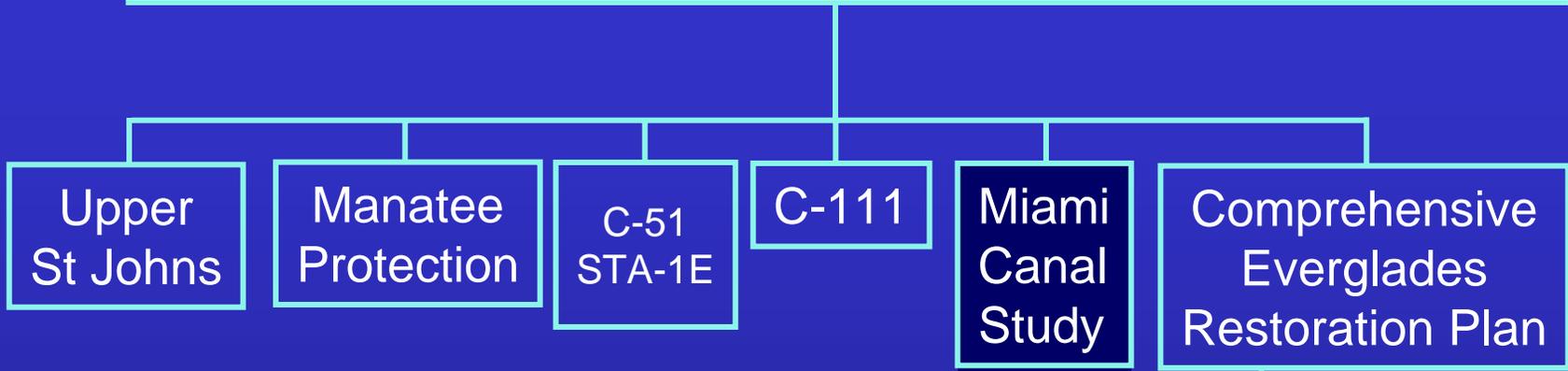
**STATUS:** Design continuing on next phase of buffer construction. Construction awaiting completion of Land Swap later this FY



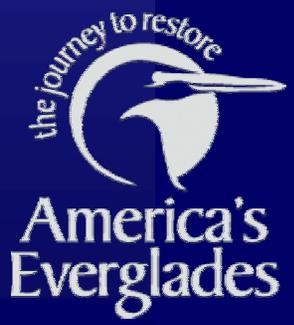
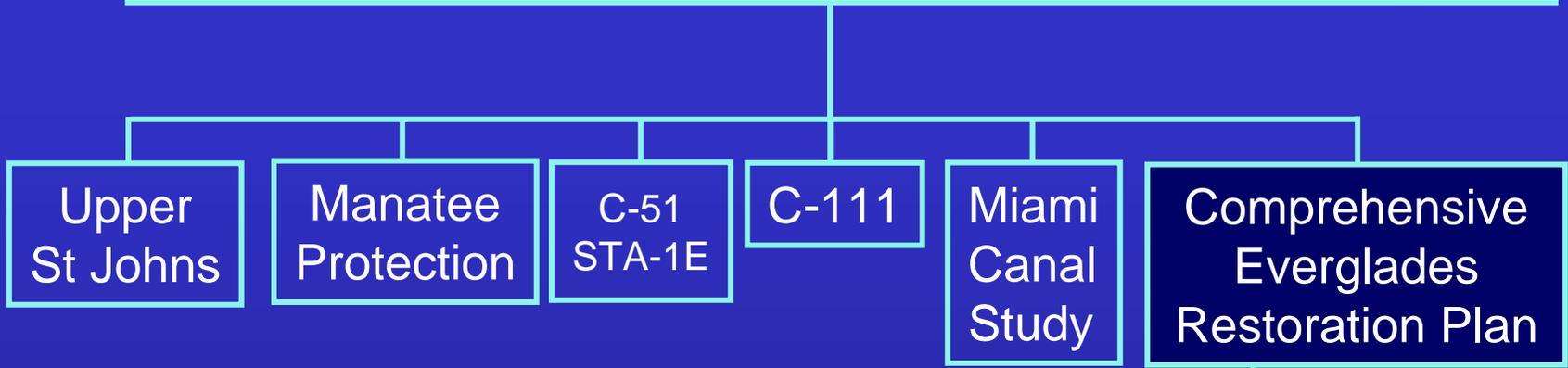
### LOCATION MAP



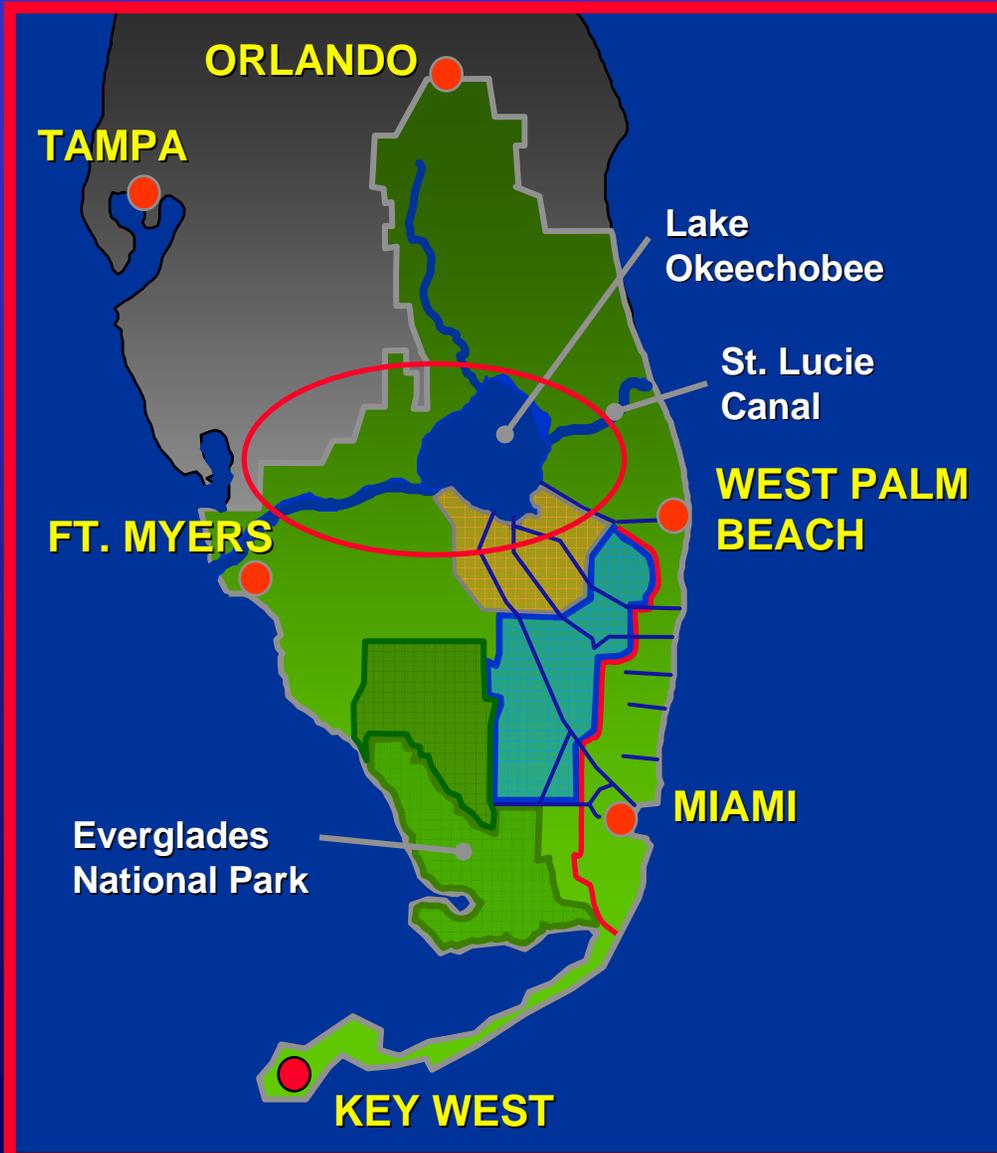
# Central & Southern Florida Project



# Central & Southern Florida Project



# Lake Okeechobee



## CERP

1. Lake Okeechobee Watershed - PIR underway, Alternatives Comparisons underway to id TSP.

Coordinating with LOER.

2. C-43 Basin Reservoir – PIR for west Reservoir ongoing. Plan for PIR for upper basin being developed

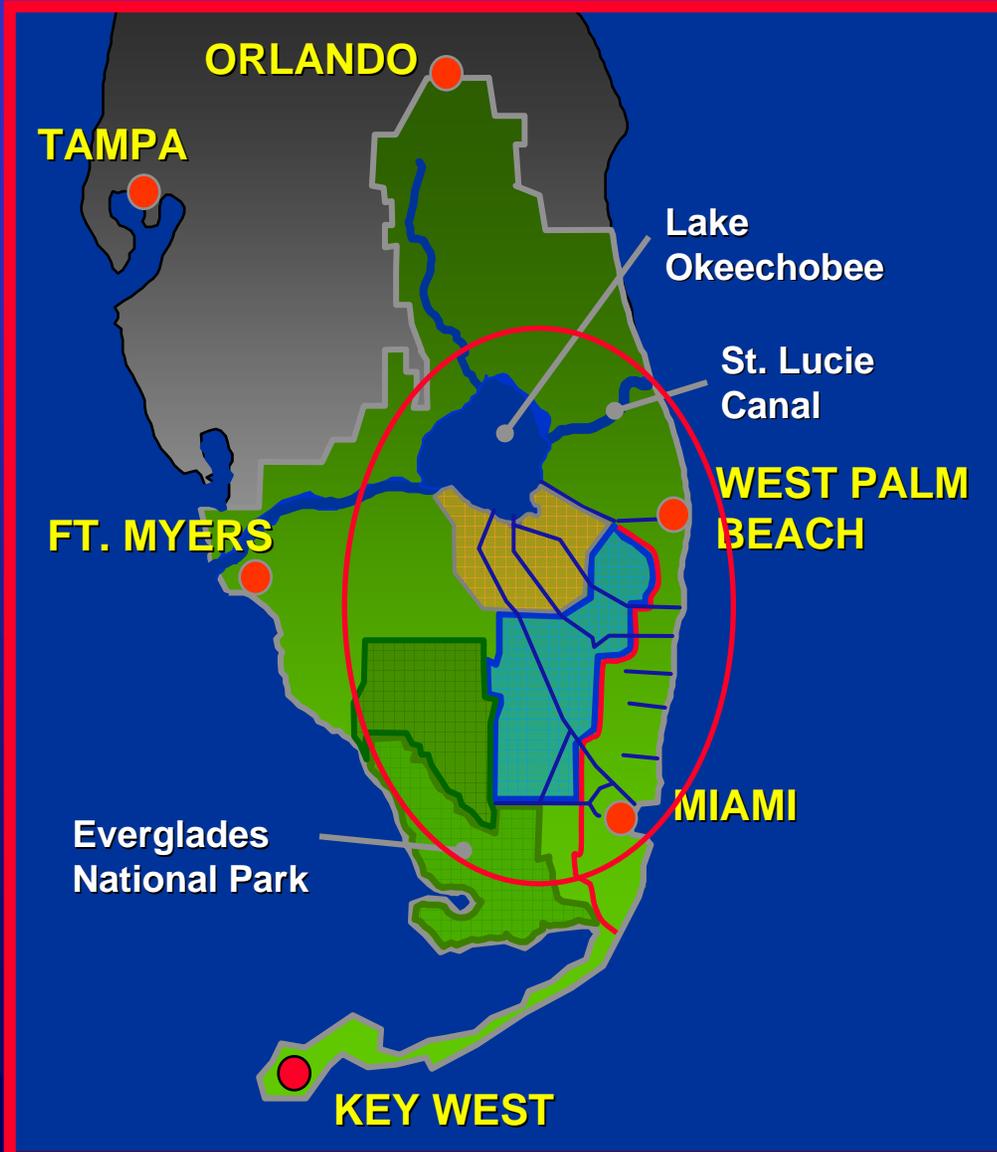
## Other Projects

1. Lake Okeechobee Regulation – Pulse releases being continued. New Regulation study ongoing with alternatives posted.

Completion this December.

2. Herbert Hoover Dike – 1<sup>st</sup> Contract for rehab awarded for \$16.9 million. Construction of 4.6 mile section south of Port Mayaca underway.

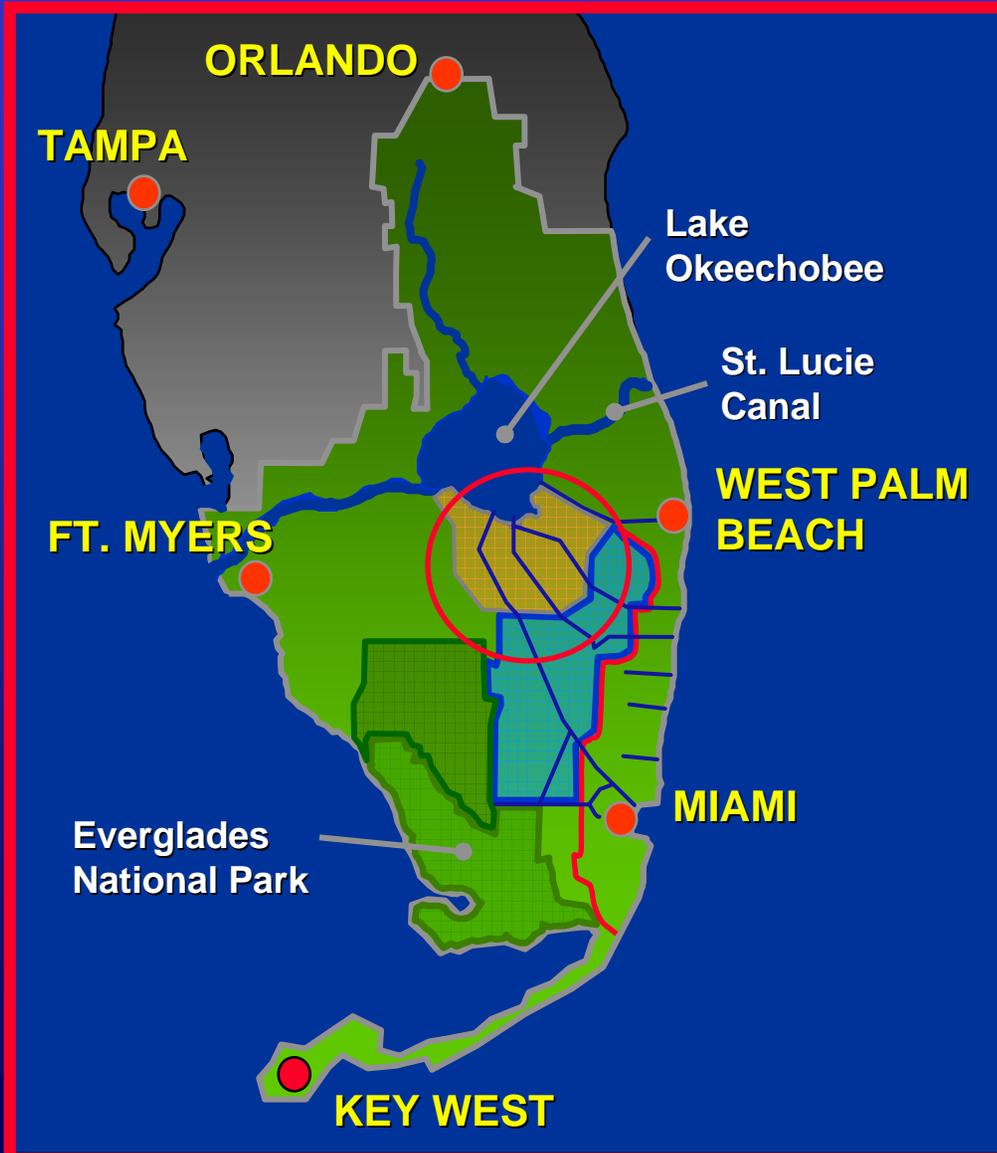
# Aquifer Storage & Recovery



## CERP

1. Lake Okeechobee, Hillsboro, C-43 ASR Pilots - Construction contract to be awarded early summer for Lake Okeechobee sites, C-43 site being modified. SFWMD constructing Hillsboro site.
2. Regional ASR Study - Study underway. Baseline data collection
3. ASR Contingency Plan – Planning effort commenced. First task is to look at optimization of CERP reservoirs around Lake.

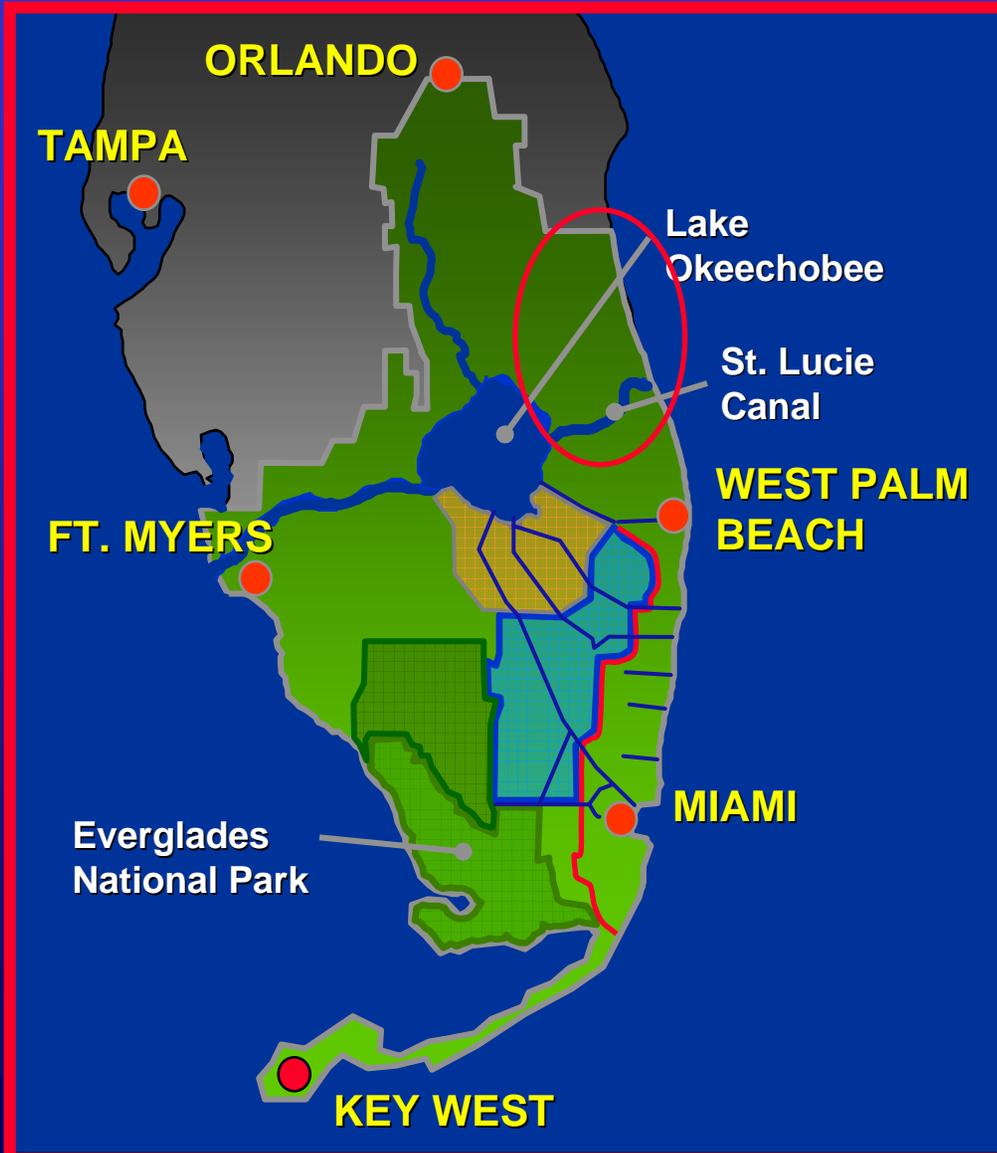
# Everglades Agricultural Area



## CERP

1. EAA Storage Reservoirs
  - PIR underway
  - Tentatively Selected plan includes earthen zoned levee with 12 foot water pool and 360k acre-feet of storage
  - Consultation presentation yesterday
  - Coordination with A8 program ongoing for Cell 1 by SFWMD.

# Upper East Coast

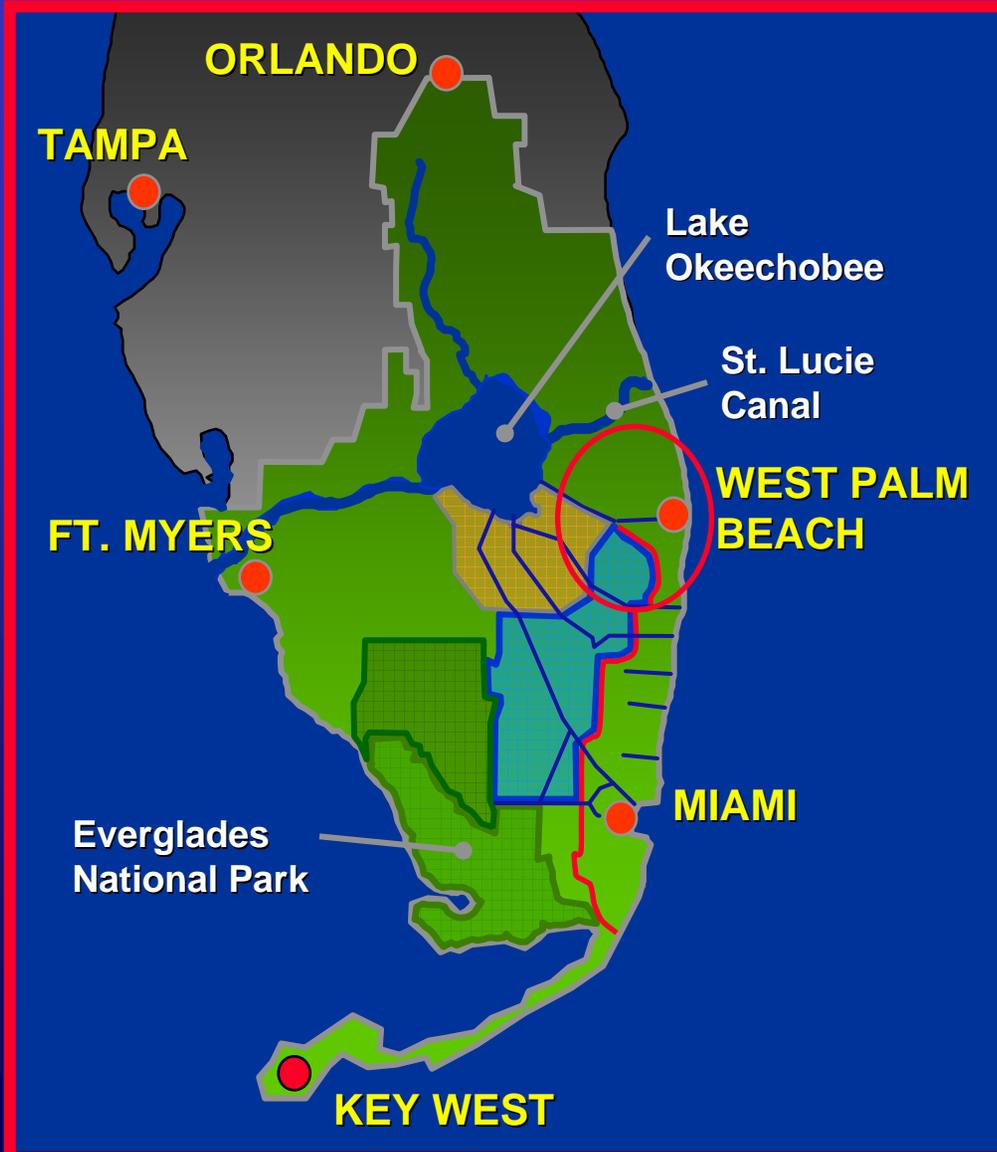


## CERP

### 1. Indian River Lagoon

- Report transmitted to Congress
- Detailed design underway for project features – C-44 by SFWMD, C-23/24 reservoirs by Corps

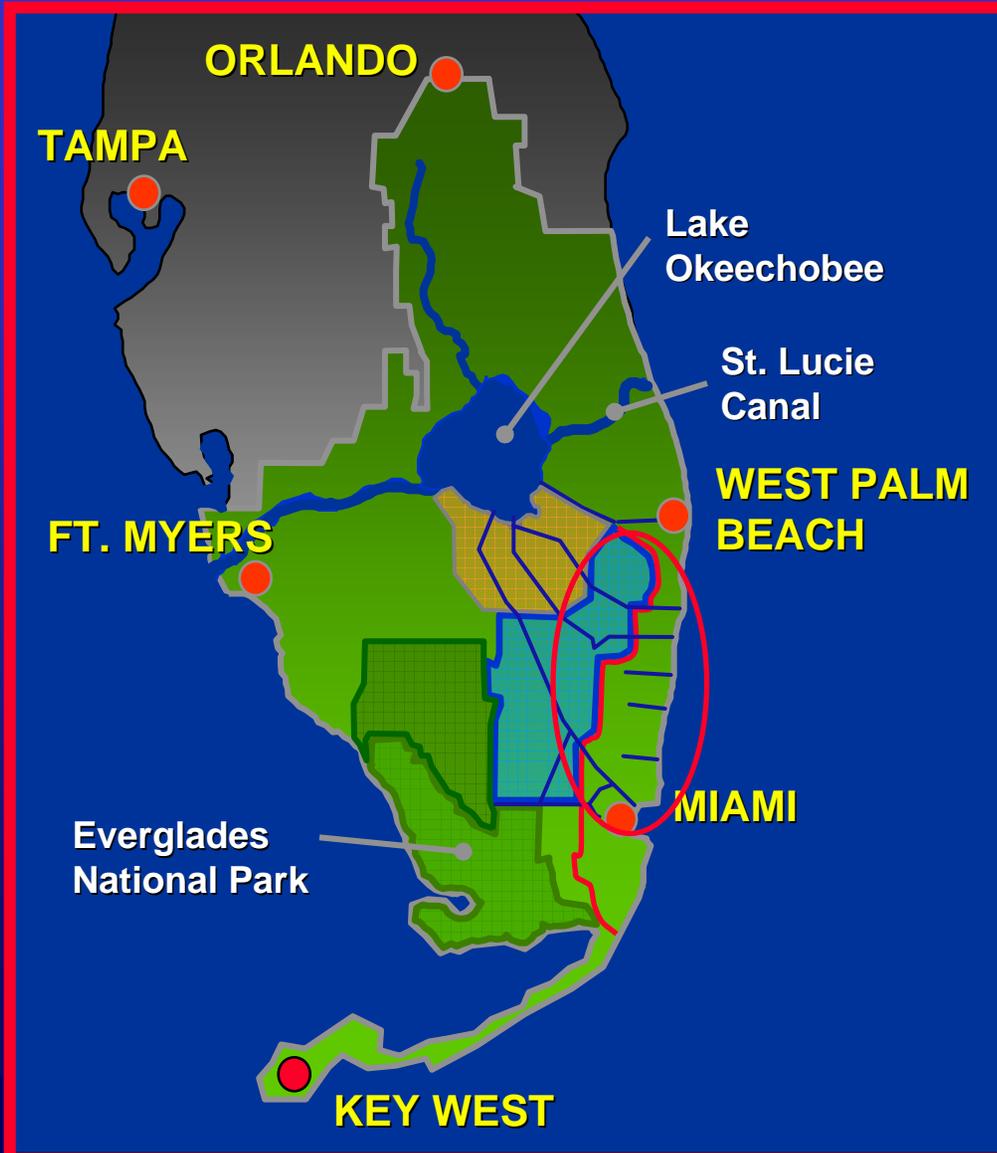
# Northern Palm Beach County



## CERP

1. North Palm Beach County
  - PIR Underway with TSP in Dec 2006
2. Winsberg Farms
  - PIR underway with release of draft report pending resolution of embankment design.
  - TSP involves creation of wetland area using treated wastewater to rehydrate ground water

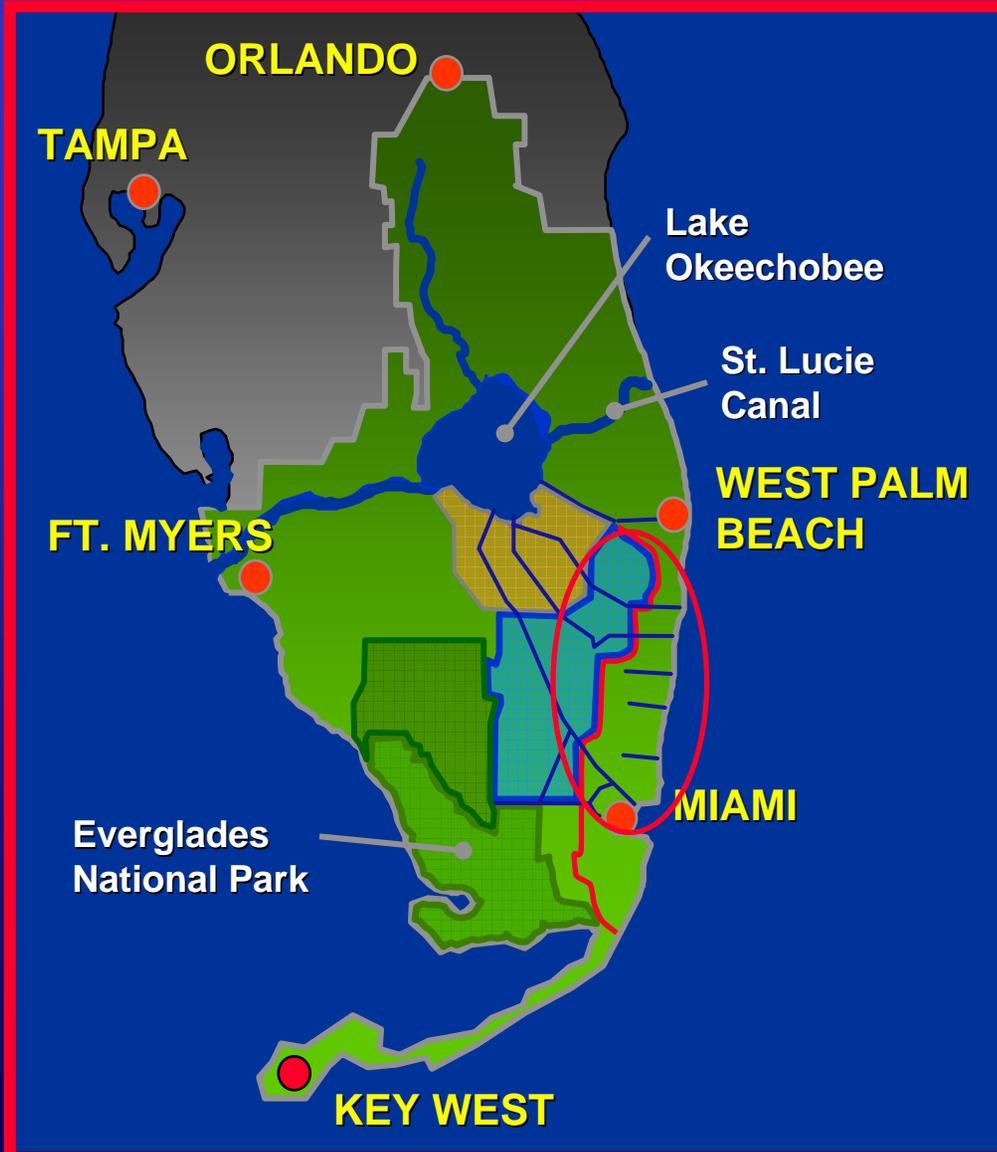
# Water Preserve Areas



## CERP

1. Acme Basin B
  - PIR Suspended
  - SFWMD proceeding with design, Corps processing permit
2. Site 1
  - PIR draft updated to include assurances and identification of water to be reserved. Revised draft review complete. Final report being processed to Washington.
3. Broward County WPA – includes C-9, C-11, and WCA 3A/3B Seepage management
  - PIR consultation discussion yesterday, Draft under review with final in early June

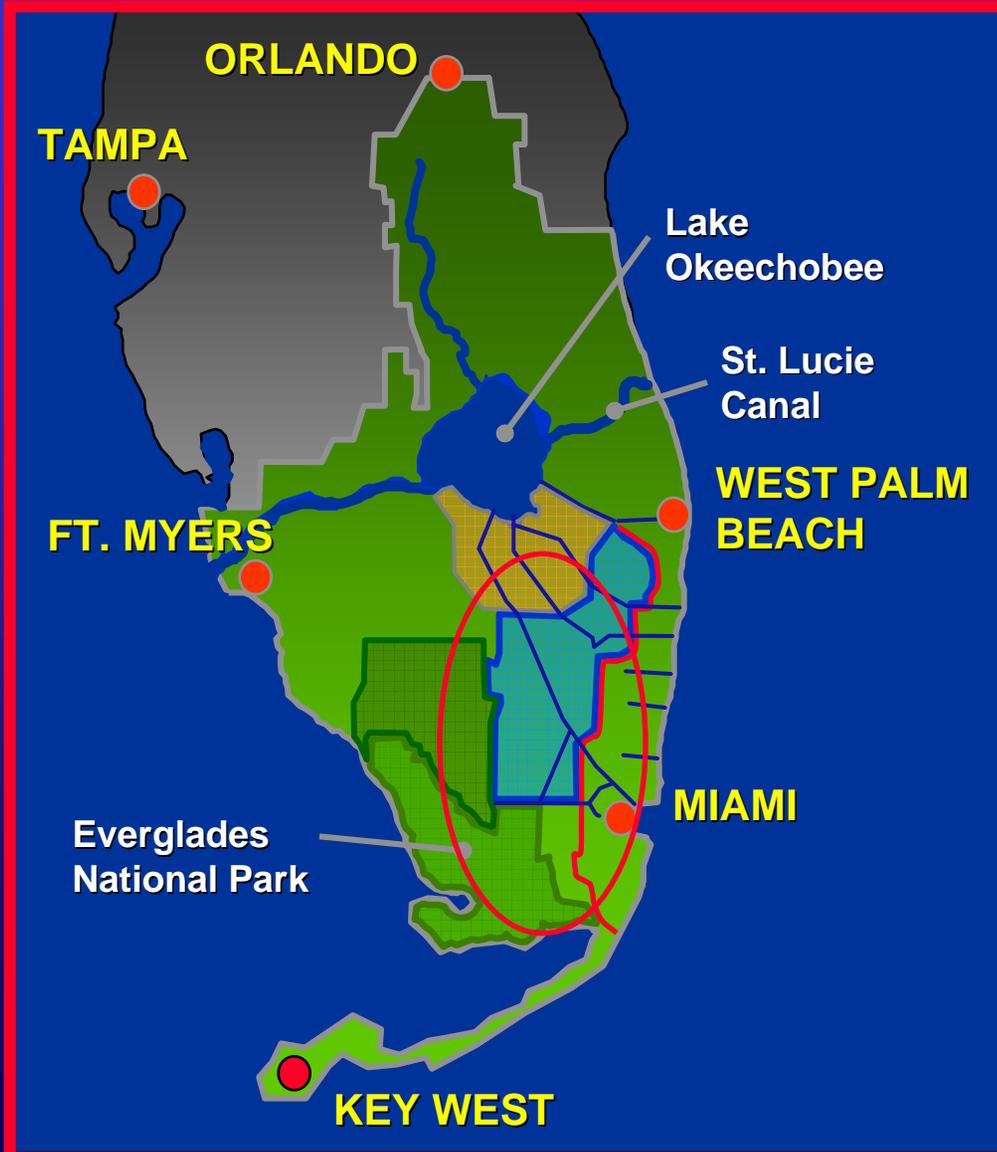
# Miami-Dade County



## CERP

1. Biscayne Bay Coastal Wetlands
  - PIR underway, Alternative plans being analyzed
  - Briefed yesterday, Challenge is availability of water
2. ENP Seepage Management
  - PIR Underway to include Bird Drive Basin New schedule and plan developed,

# Everglades



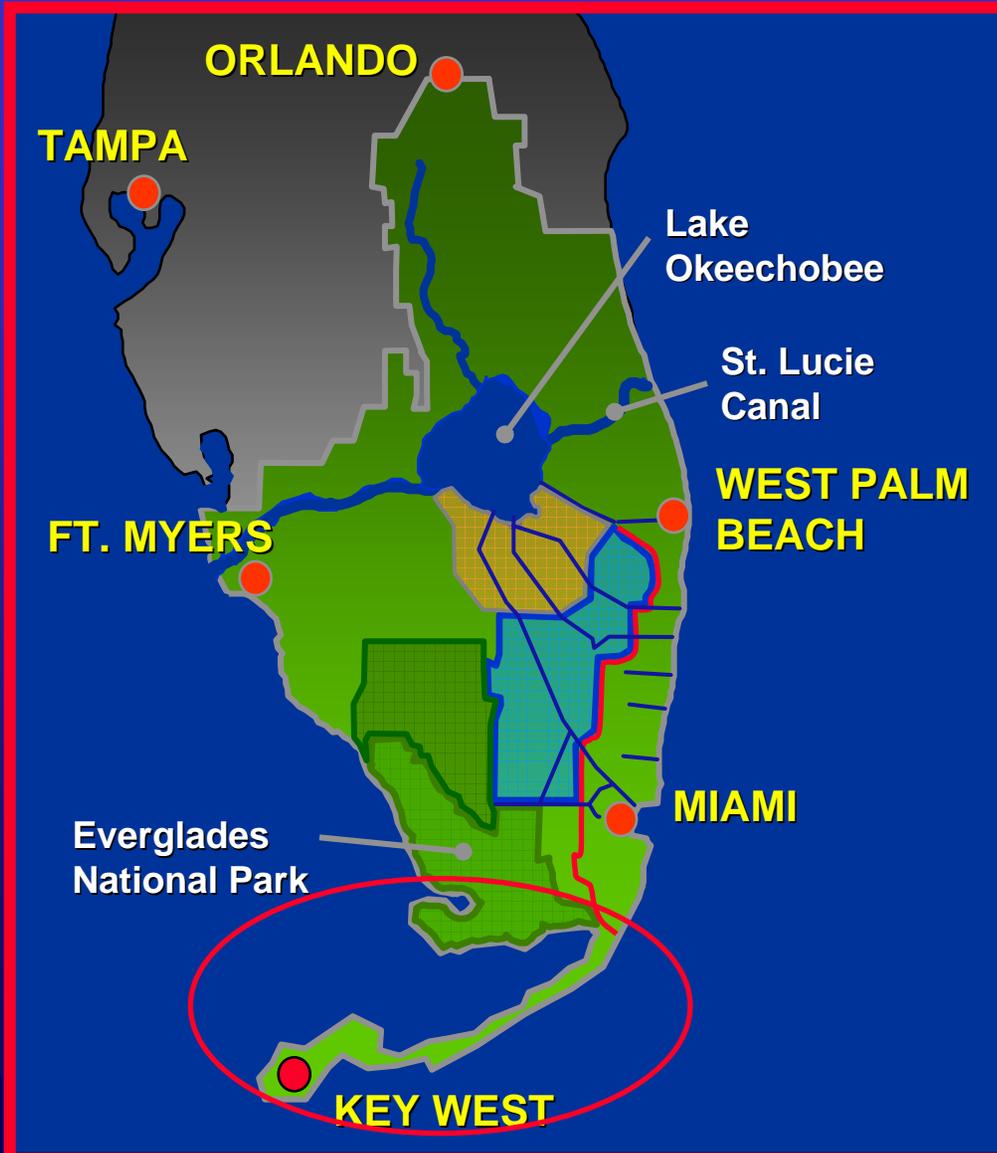
## CERP

1. WCA Decomp – Part 1  
- PIR underway with Plan for adaptive management approach approved by QRB
2. C-111 Spreader Canal - PIR underway, Presentation yesterday on alternative plan analysis with bridge location selected.
3. L-31 Seepage Pilot – Pilot Project design report under way for L-30 location for cut-off wall,

## Other Projects

1. CSOP  
- Work underway in coordination with CSOP AT. Briefed yesterday. TSP identified.

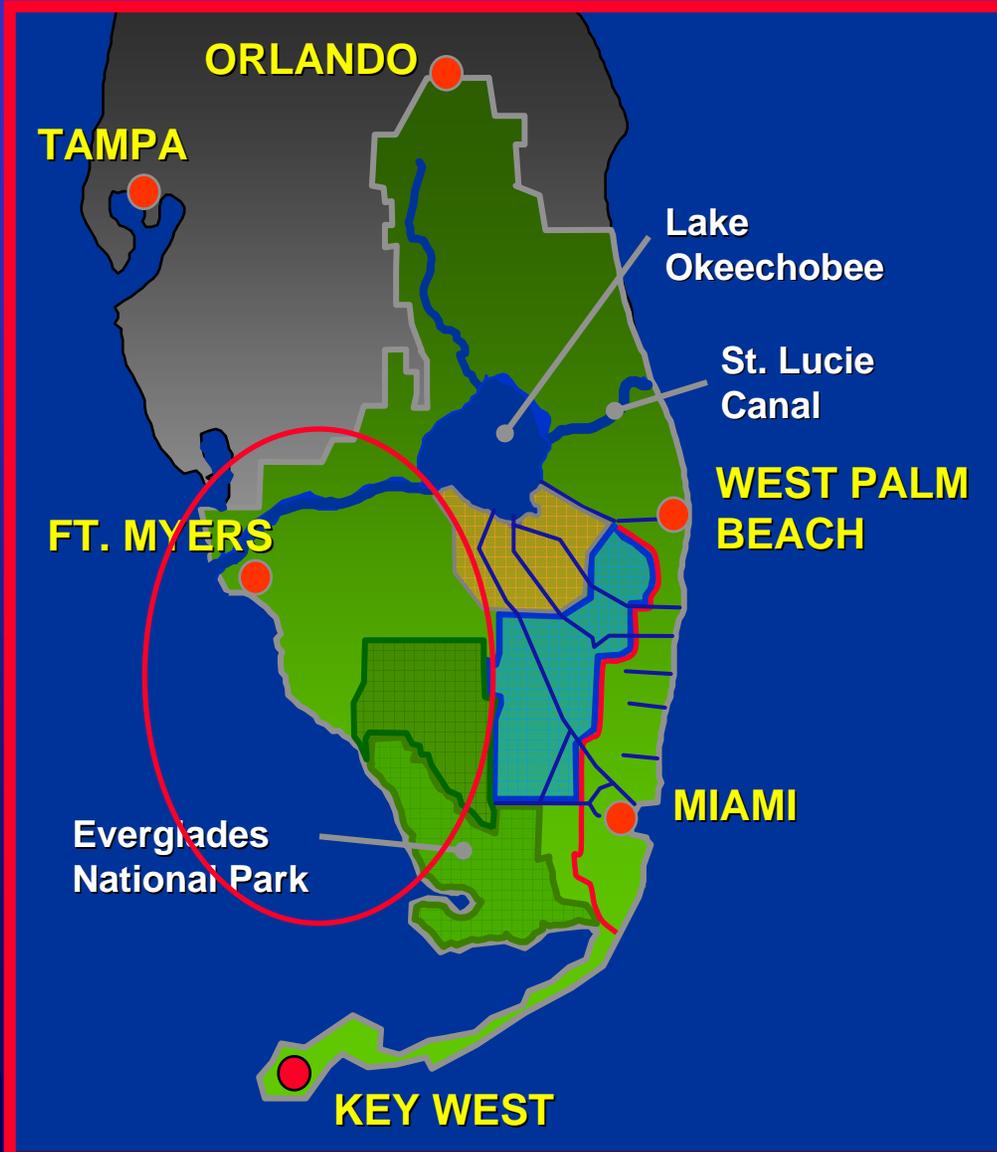
# Florida Bays, Florida Keys



## CERP

1. Florida Keys Tidal Improvement (CERP)
  - PIR restarted with focus on “pilot” type project
2. Florida Bay/Florida Keys Feasibility Study
  - Study underway, Efforts have to date focused on model development, Alternative development underway

# Lower West Coast



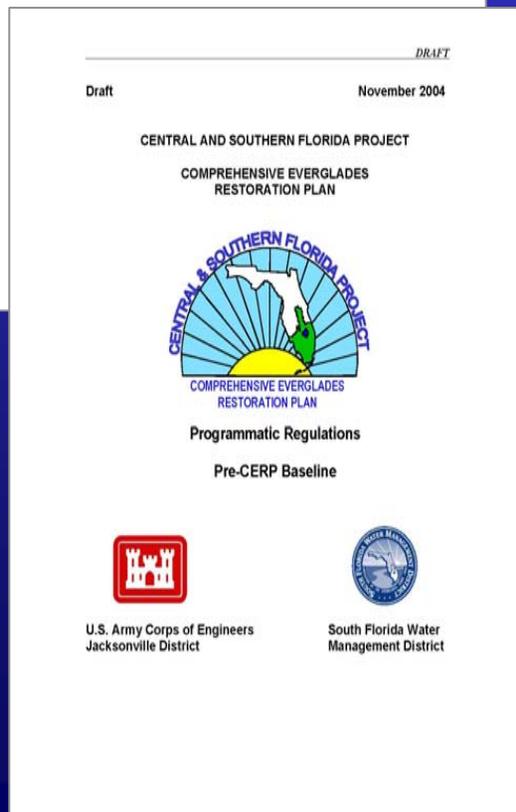
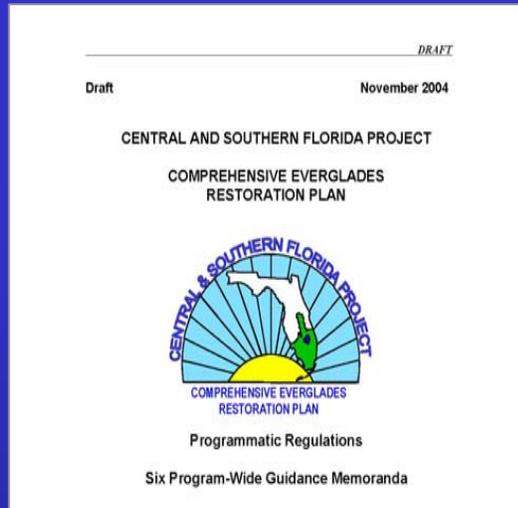
## CERP

1. Southwest Florida Feas Study underway
  - Team working to define/refine alternatives
2. Lakes Park
  - PMP complete. PIR underway
4. Picayune Strand (Southern Golden Gate Estates)
  - Chief's report signed, Under review at ASA(CW)

# Guidance Memoranda

## Current Status

- GM's 1, 2, 3, 5, and 6 complete
- GM 4 on Identification of water still under going revision to simplify process.



# Interim Goals and Interim Targets

- Agreement drafted, under going revision.
- Presentation on agenda for May Task Force meeting

# 5 Year Report to Congress

- Final report is with OMB prior to submittal to Congress
- Report provides snapshot of accomplishments over first 5 years of CERP implementation.

# Other Ongoing Efforts

- Comprehensive Water Quality Feasibility Study – Working with State DEP to finalize agreement for study.
- Initial System Operating Manual review completed, finalizing document.
- Special Report on Exotics completed. PIR type document to be prepared
- Work Continuing on refinement of Updated 2x2 for CERP
- New model development – REMER effort terminated. Focusing all efforts on RSM model but it will be late 2007/2008 before fully operational

**Questions?**

