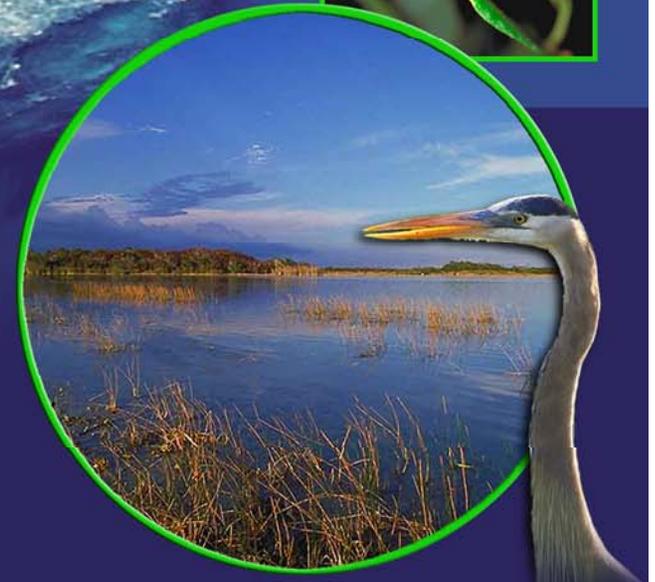


Restoration Update Task Force & WRAC 7 December 2005

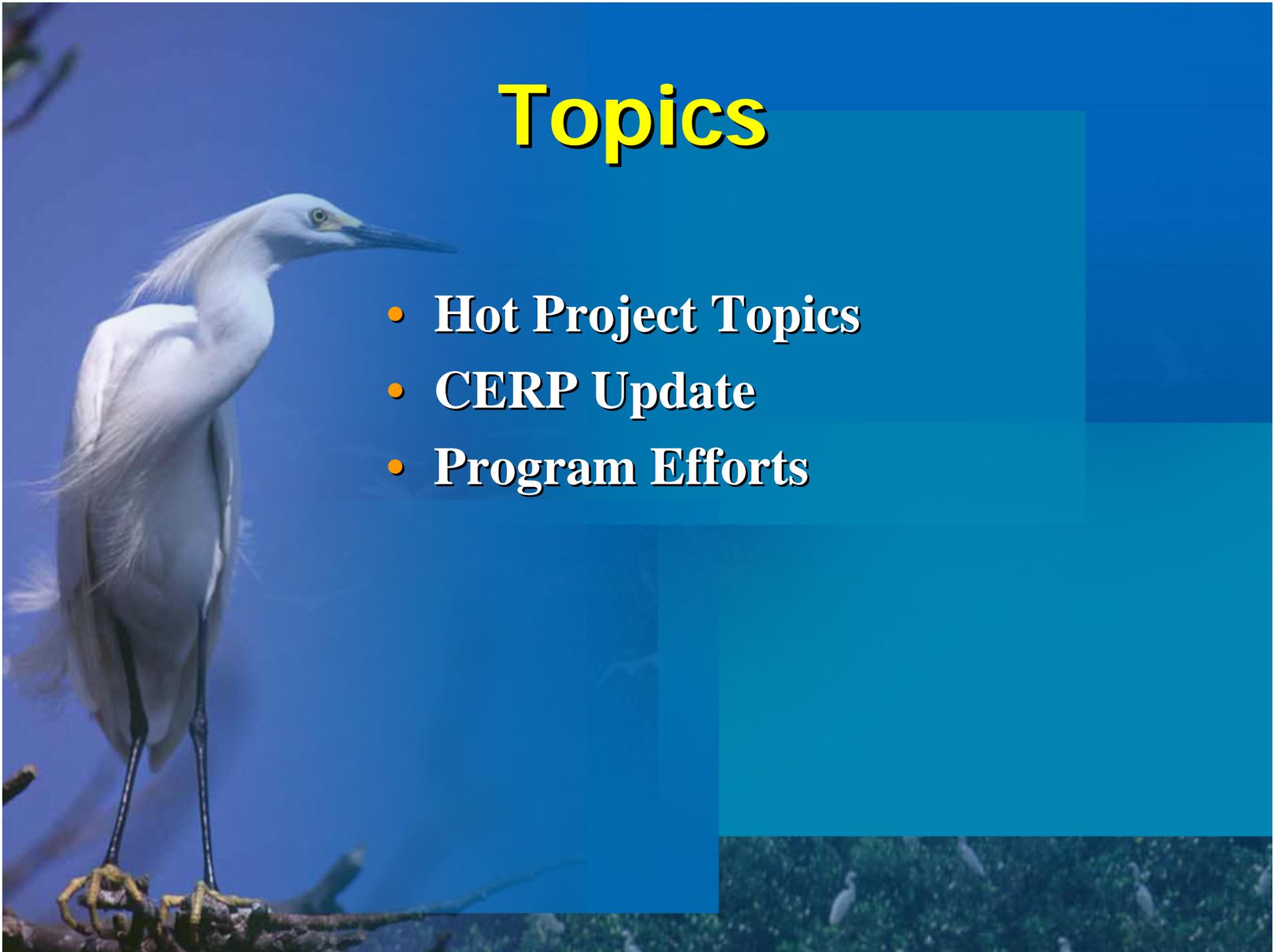


the **Restoration** of America's Everglades & the South Florida Ecosystem



Topics

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



South Florida Ecosystem Restoration

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

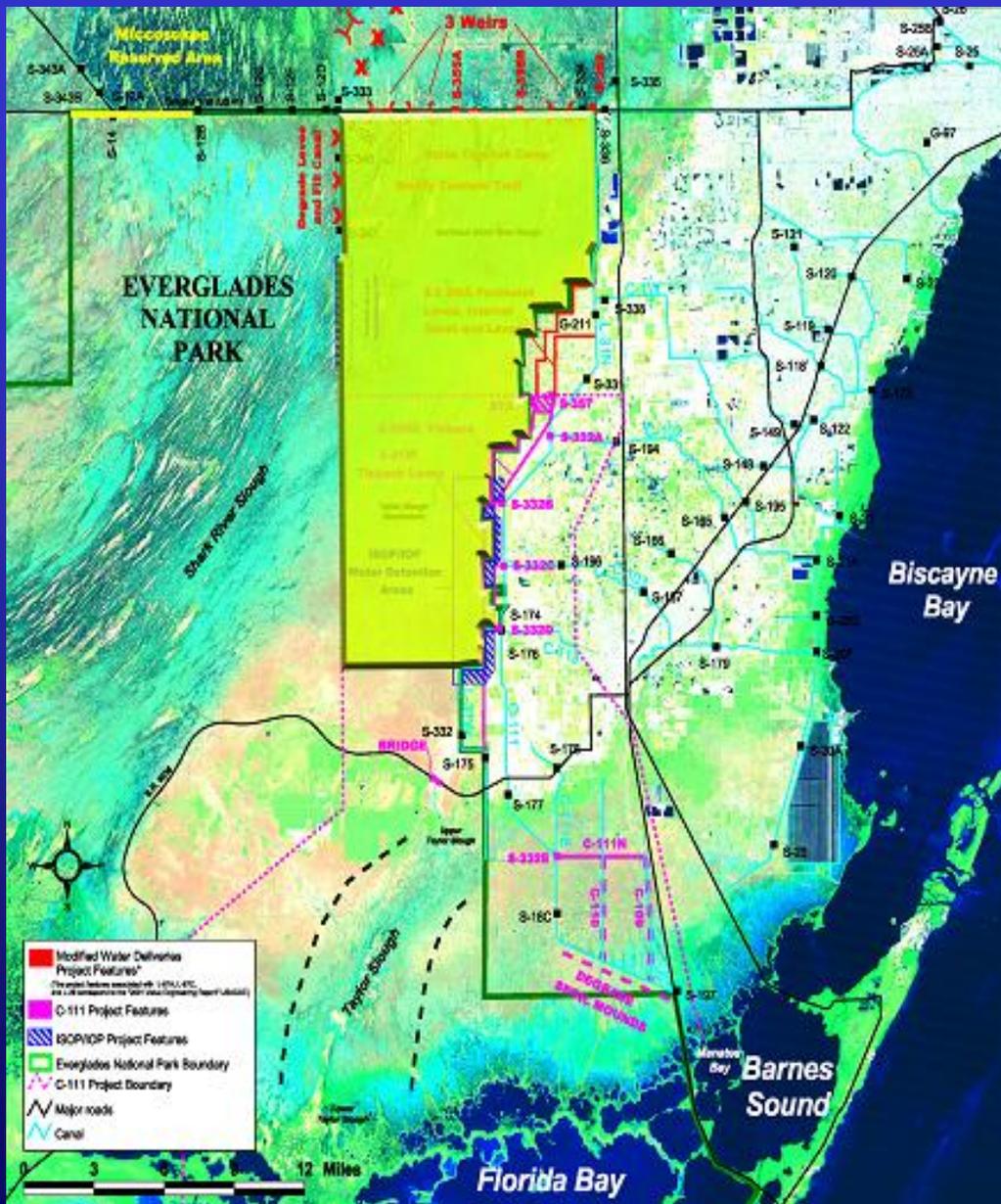
C-111

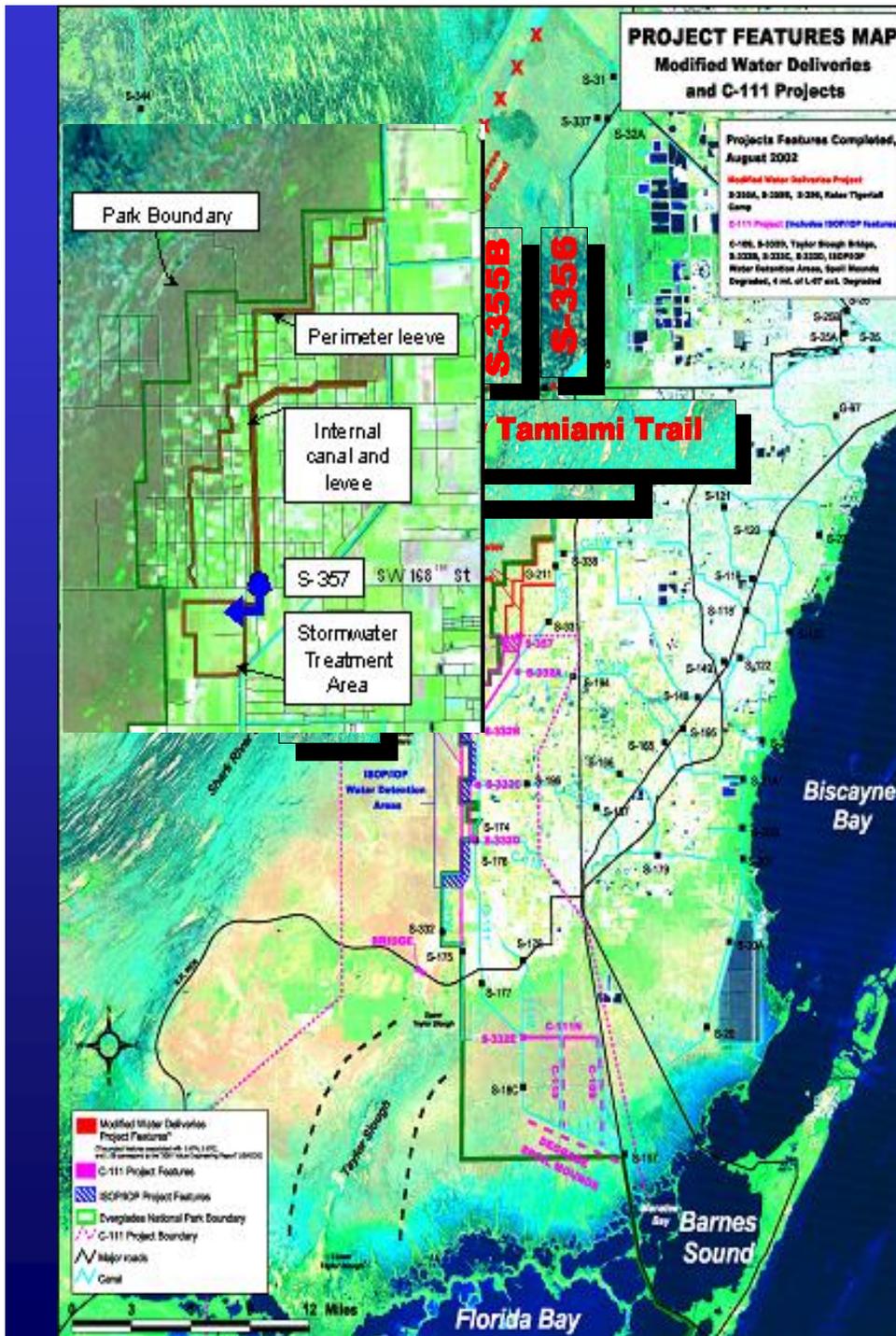
CERP

\$60 Million For FY 06!

The Everglades National Park Expansion and Protection Act of 1989

- Authorized the acquisition of 109,000 acres in Northeast Shark Slough and the East Everglades.
- Authorized modifications to the Central & Southern Florida Project “to improve water deliveries into the park and shall, to the extent practicable, take steps to restore the natural hydrologic conditions in the Park.”





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 Interrim 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 Awarded



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

8.5 SMA Land Aquisition

Tracts	Corps	DOI	Total
Required	627	216	843
Acquired	580	76	656
Remaining	47	140	189
In closing	0	0	0
Negotiation	0	107*	107*
Condemnation	47**	33**	80**

* - All remaining tracts are public, utility and roadway ROW's

** - All are with Department of Justice

Tamiami Trail

Final Revised General Re-evaluation Report & Supplemental EIS

SPEED
LIMIT
55



Tamiami Trail Modifications

- **Revised General Re-Evaluation Report**

- Public Safety – FDOT requirements
- Capture increase in construction costs
- Remove Escrow Agreement language

- **Considered 10 Alternatives**

- No Action Plan
- 10.7-Mile Skyway
- 4-Mile Bridge Central
- 4-Mile Bridge East
- 3,000-Foot Bridge
- 2 Mile-Bridge West/1-Mile Bridge East
- 1.3-Mile Bridge West/0.7 Mile Br East
- Three 3,000-Foot Bridges
- 2-Mile Bridge
- 3-Mile Bridge

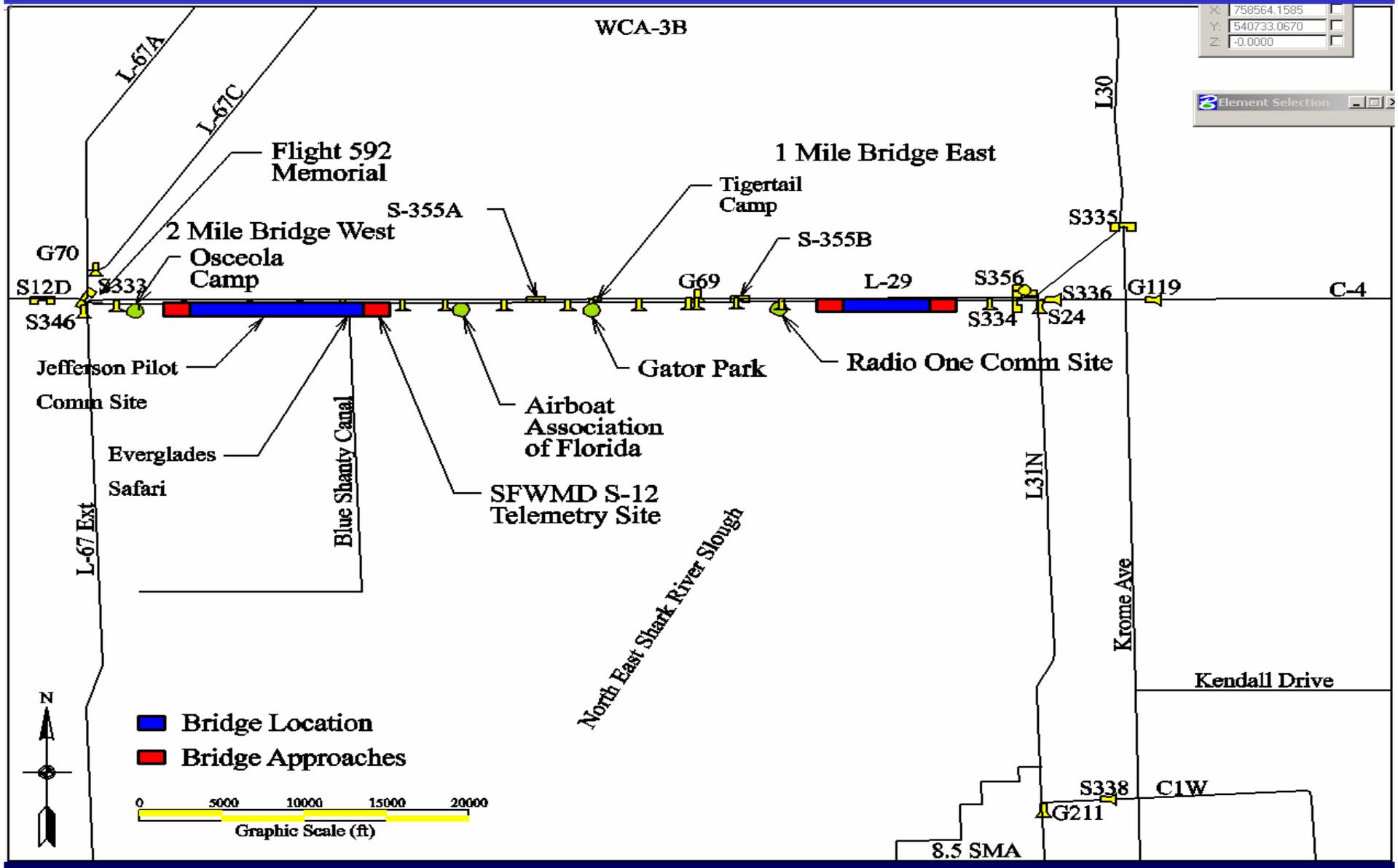
- **Timeline**

- Revise GRR Nov 04 - Dec 05
- Plans & Specs Oct 05 - Oct 06
- Construction Oct 06 - Oct 09

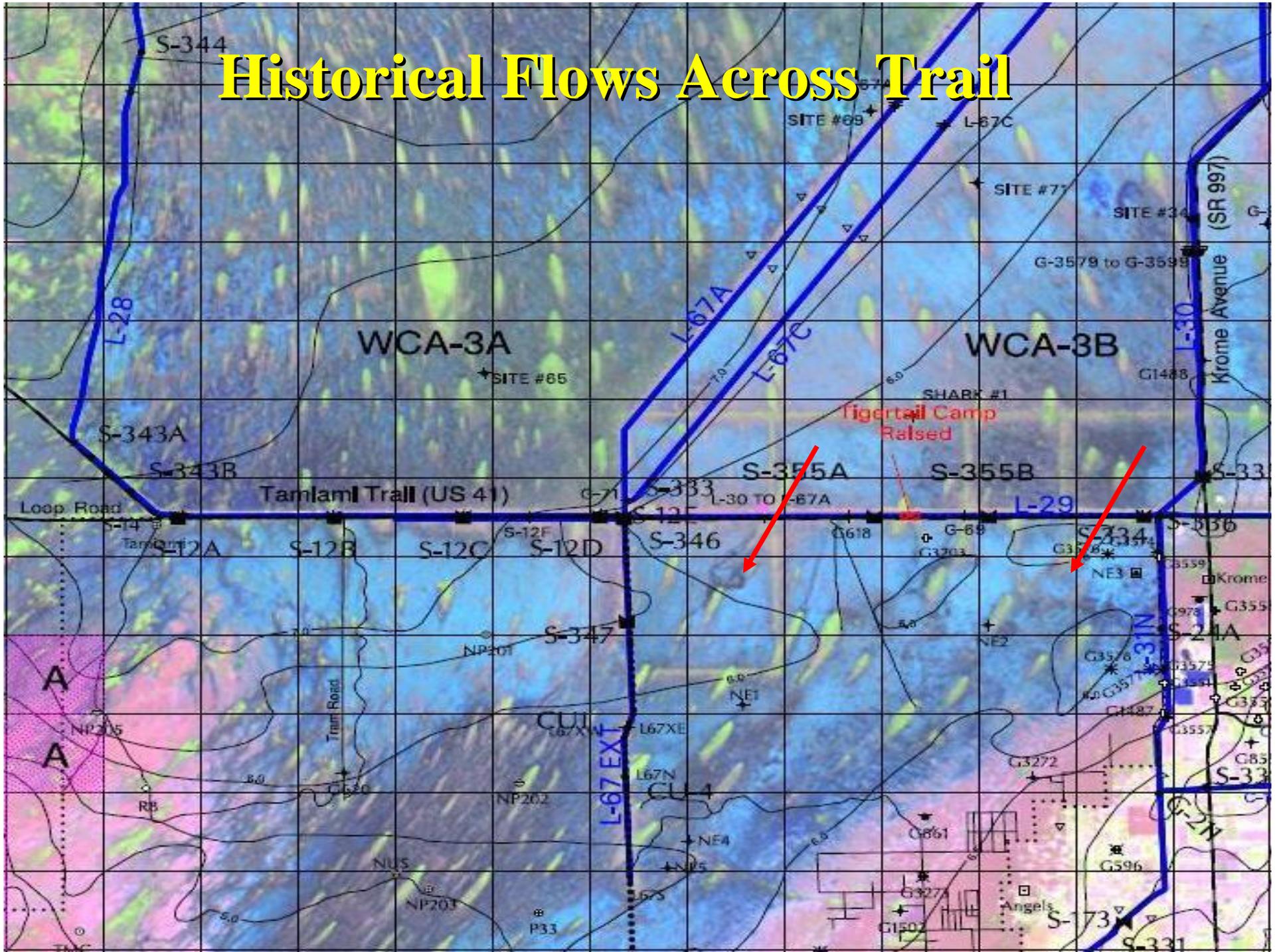
Further Analysis of Bridge Options

		Bridge Options							
	3,000ft	2 Mile W & 1 Mi E	1.3 Mile W & 0.7 Mi E	3 at 3,000ft	2 Mile	3 mile	4 Mile Central	4 Mile East	10.7 Miles
Total Cost (\$Millions)	\$78	\$145	\$118	\$116	\$113	\$136	\$161	\$158	\$317
Combined Total Lift	12,453	28,371	22,185	22,246	22,422	27,973	32,674	28,549	51,763
Average Annual Cost Per Average Annual Habitat	\$394	\$324	\$337	\$329	\$318	\$307	\$311	\$350	\$385
Cost Effective	YES	YES	NO	NO	YES	YES	YES	YES	YES

Tamiami Trail - Selected Plan 2 Mile Bridge West and 1 Mile Bridge East



Historical Flows Across Trail



Advantages of 2-Mile Bridge West/1-Mile Bridge East

- Reconnects 2 of 4 deep sloughs
- Sloughs less disturbed near bridge locations; greater likelihood of restoration
- Direct connection to deep eastern slough complex
- Direct restoration of easternmost North East Shark River Slough
- Located away from wood stork rookery
- More than 0.5 miles from Osceola Camp; avoids Miccosukee tribal homeland
- Avoids bridge off-ramp requirements for Gator Park, Coopertown, Airboat Association and Radio One Tower

Tamiami Trail Next Steps

- Publish Final Report and EIS in Federal Register this Friday and 30 day State, Agency and general public review.
- Sign Record of Decision – January 06
- Prepare detailed design and Plans and Specs for contract
- Award contract in late 2006/early 2007

Modified Water Deliveries Cost

Component	Cost Estimate (\$ millions)
8.5 SMA Real Estate	\$ 123.78
8.5 SMA Construction	\$ 42.67
Conveyance & Seepage	\$ 38.79
Tamiami Trail	\$ 146.96
Project Implementation Support	\$ 46.22
TOTAL	\$ 398.42

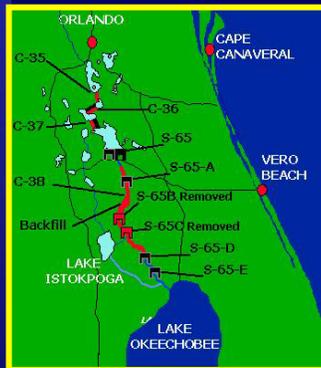
South Florida Ecosystem Restoration continued

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

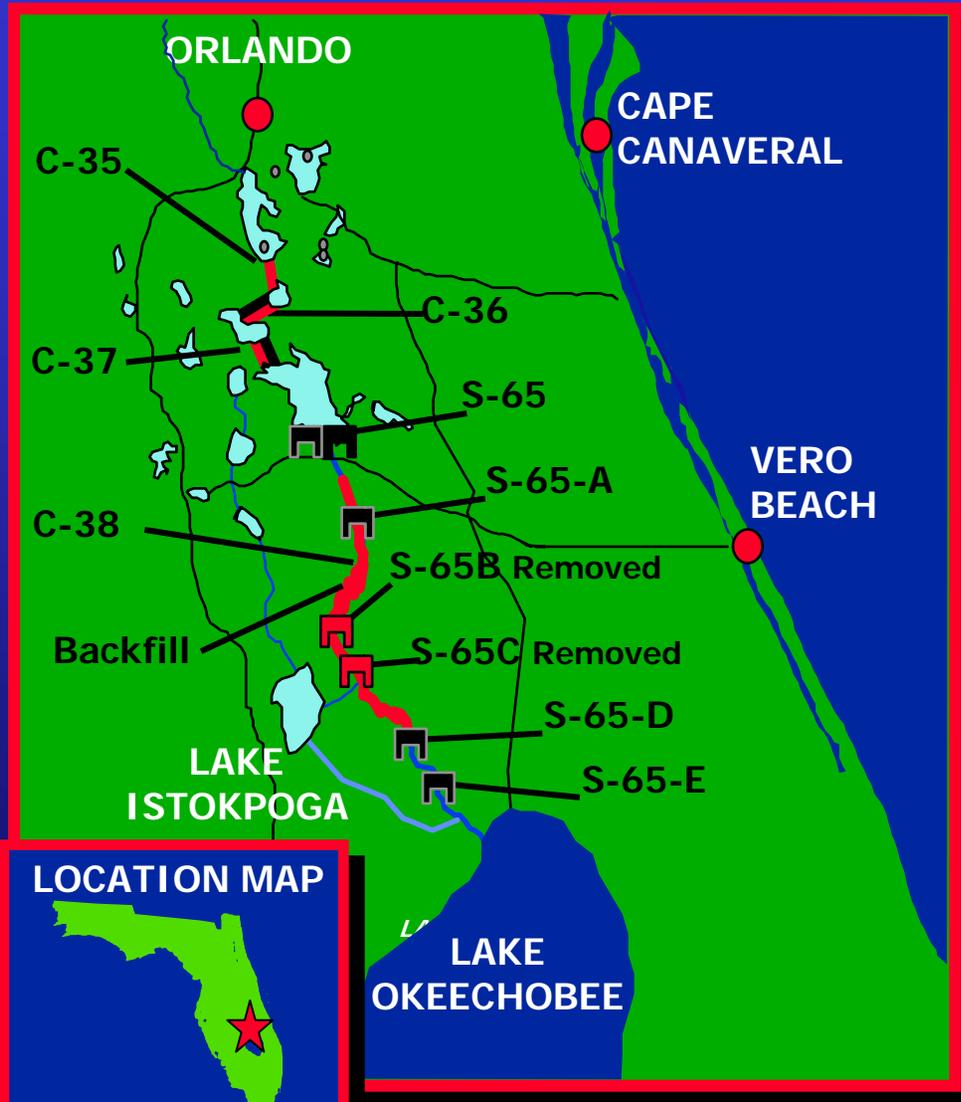
Manatee

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. Next backfill contract award in Jan 06



South Florida Ecosystem Restoration continued

Current Program

Modified Water Deliveries to ENP

(Funded Thru DOI)

Kissimmee River Restoration

Critical Projects Program



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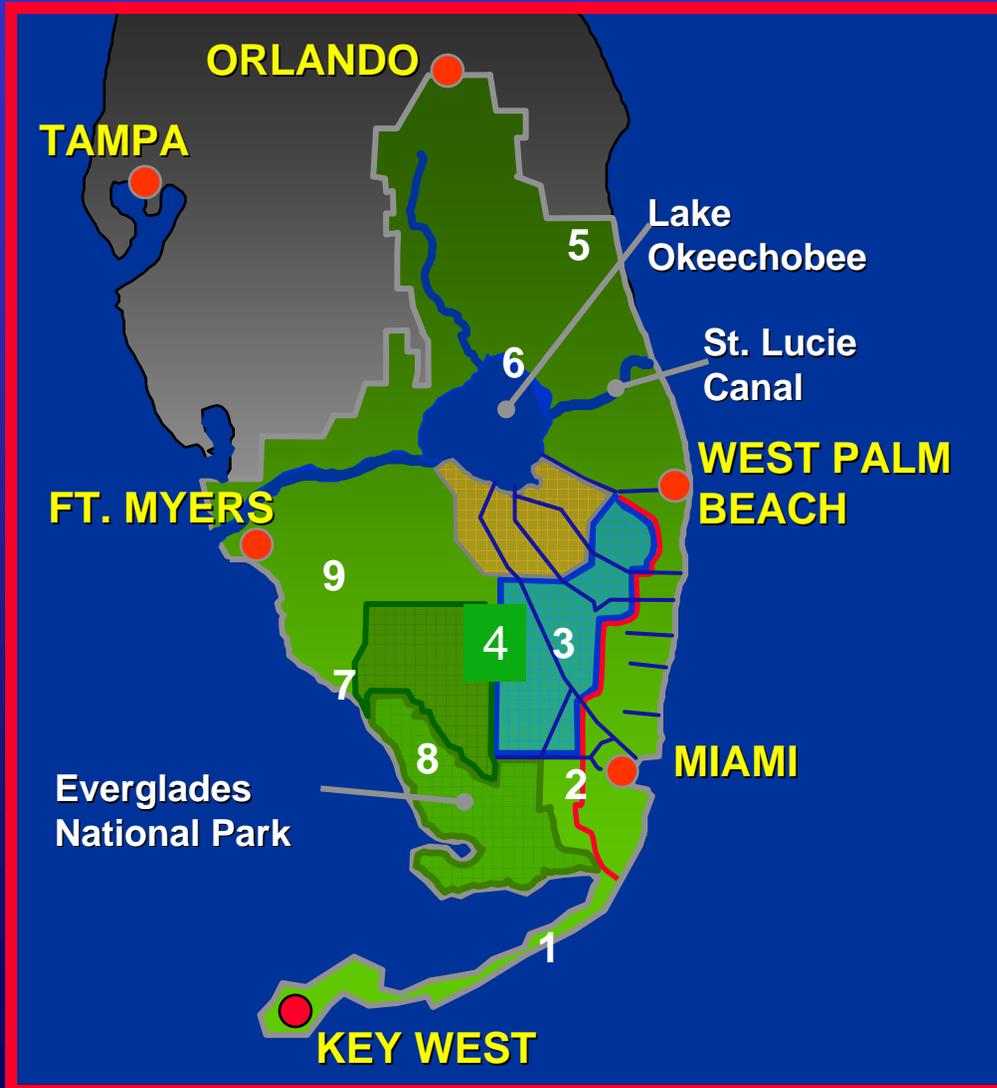
C-51/STA-1E

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



South Florida Ecosystem Restoration continued

Current Program

Modified Water Deliveries to ENP

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Kissimmee River Restoration

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Central & Southern Florida Project

Upper St Johns

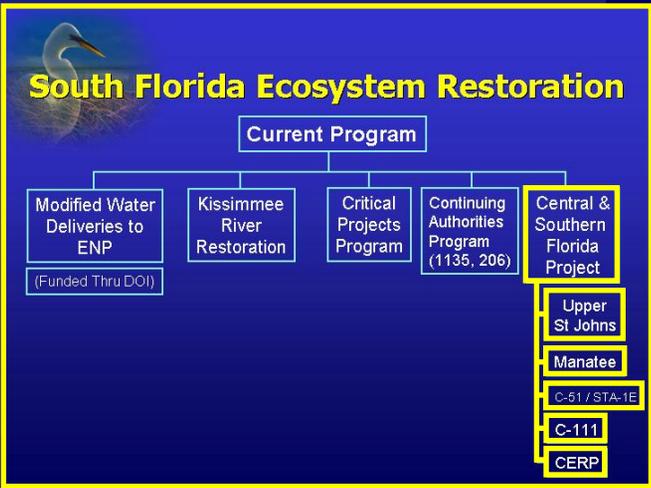
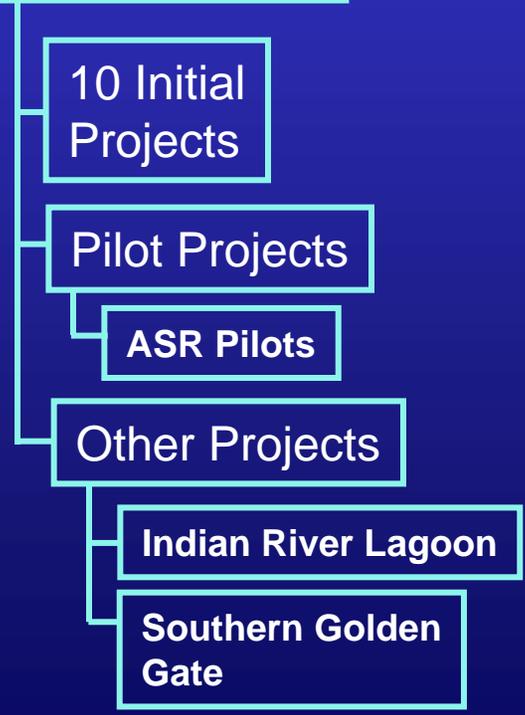
Manatee

C-51 / STA-1E

C-111

CERP

Central & Southern Florida Project



CENTRAL AND SOUTHERN FLORIDA PROJECT

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

PROJECT COSTS

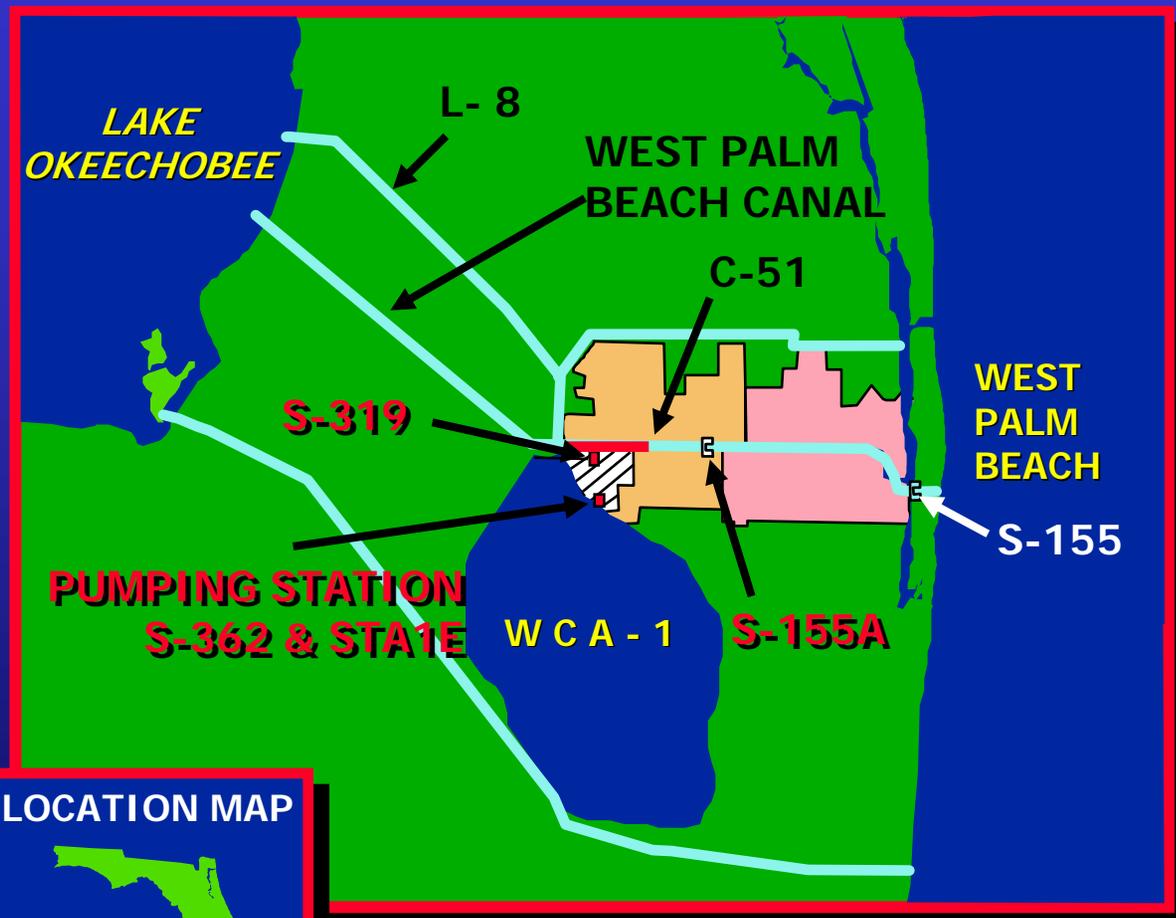
Total	\$259,100,000
Federal	\$232,900,000
Non-Fed	<u>\$ 26,200,000</u>

COST SHARING: 91/9

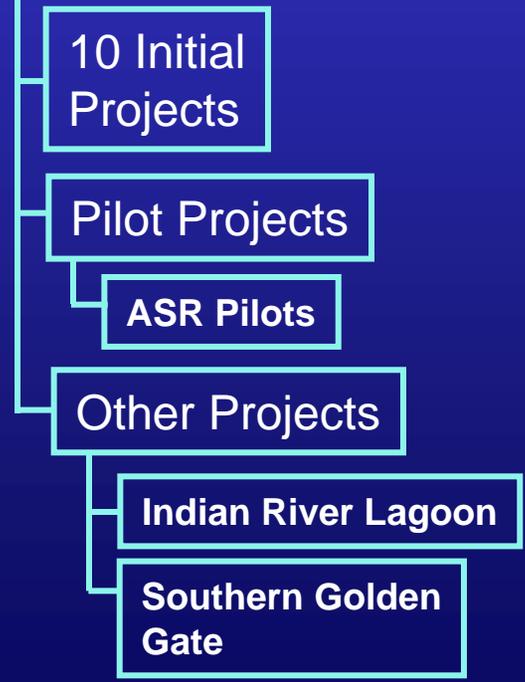
SPONSOR: SFWMD

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

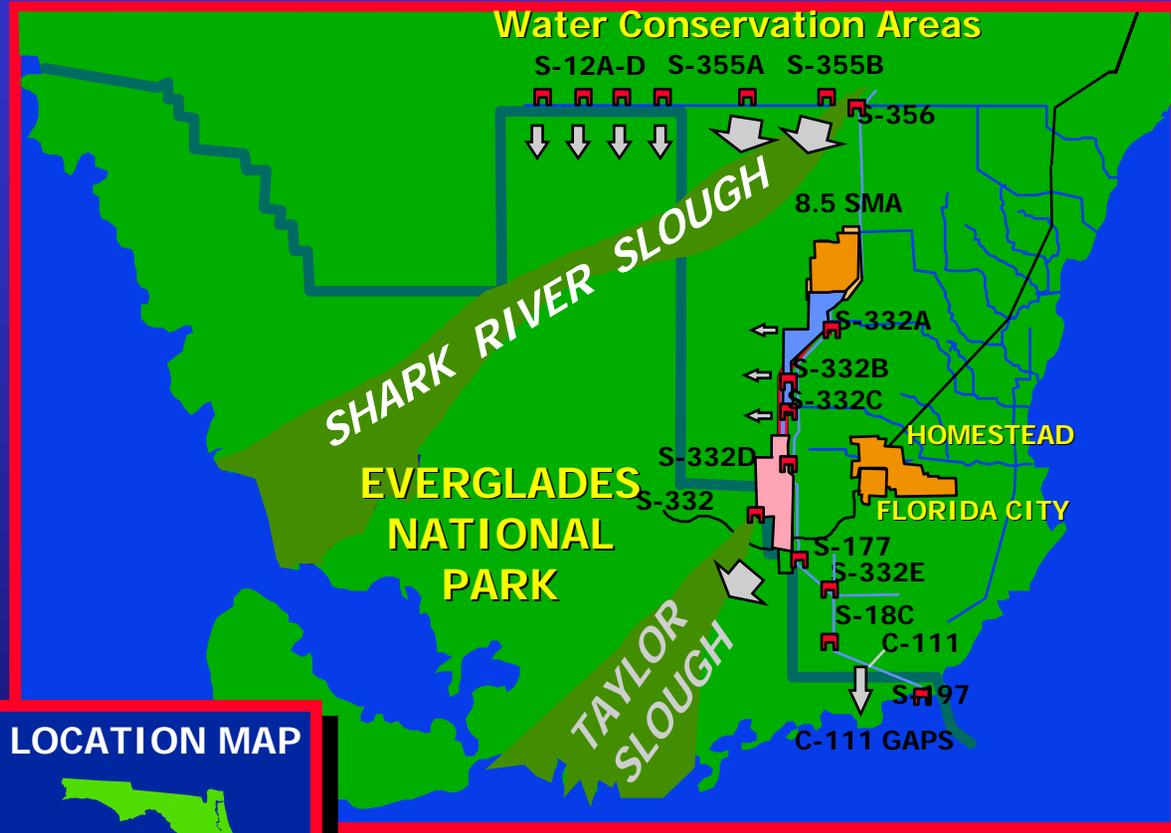
Total	\$274,670,000
Federal	\$137,335,000
Non-Fed	\$137,335,000

COST SHARING: 50/50

SPONSOR: SFWMD

PURPOSE: Environmental Restoration, Flood Control, and Water Supply

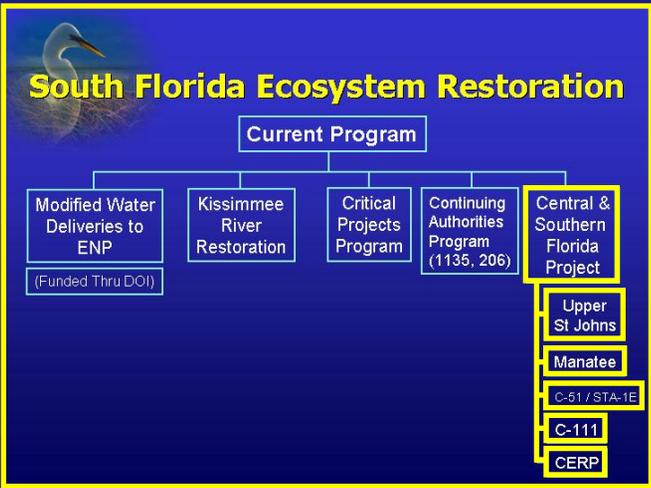
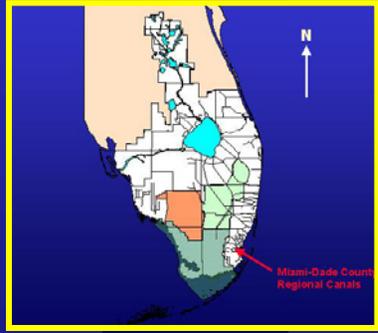
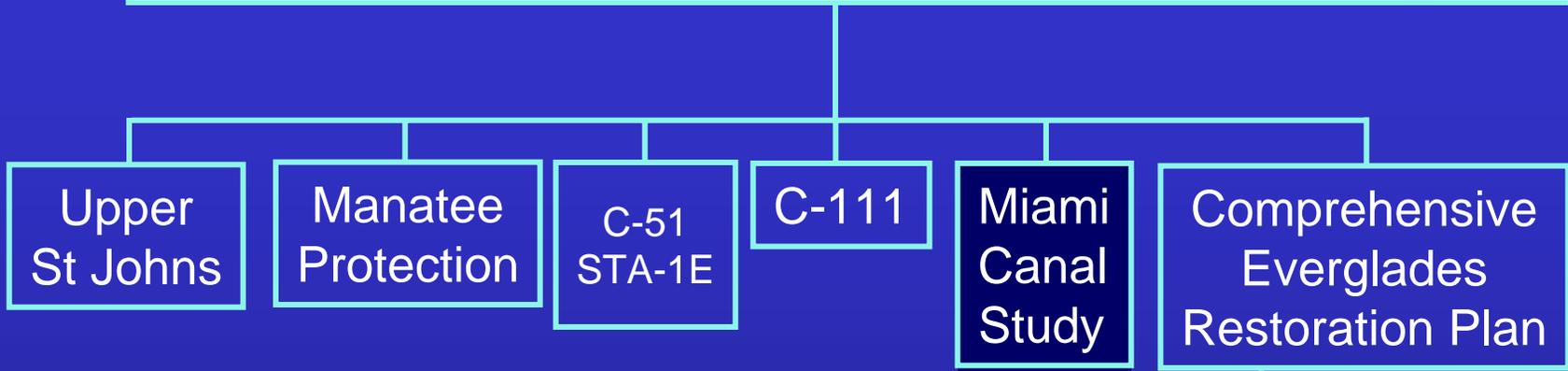
STATUS: Design continuing on next phase of buffer construction. Construction awaiting completion of Land Swap and design in FY 06



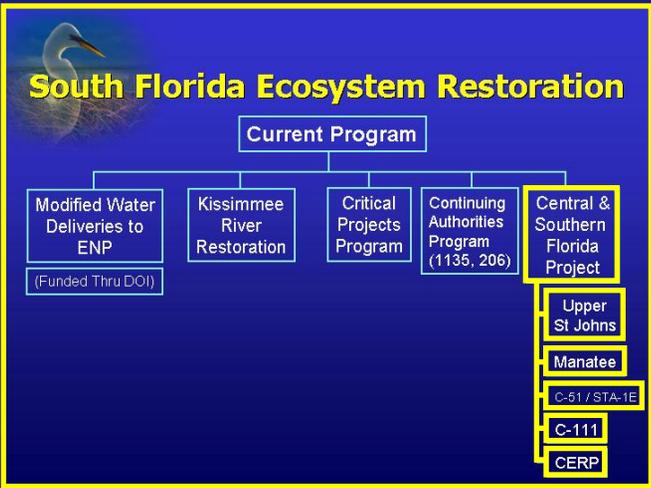
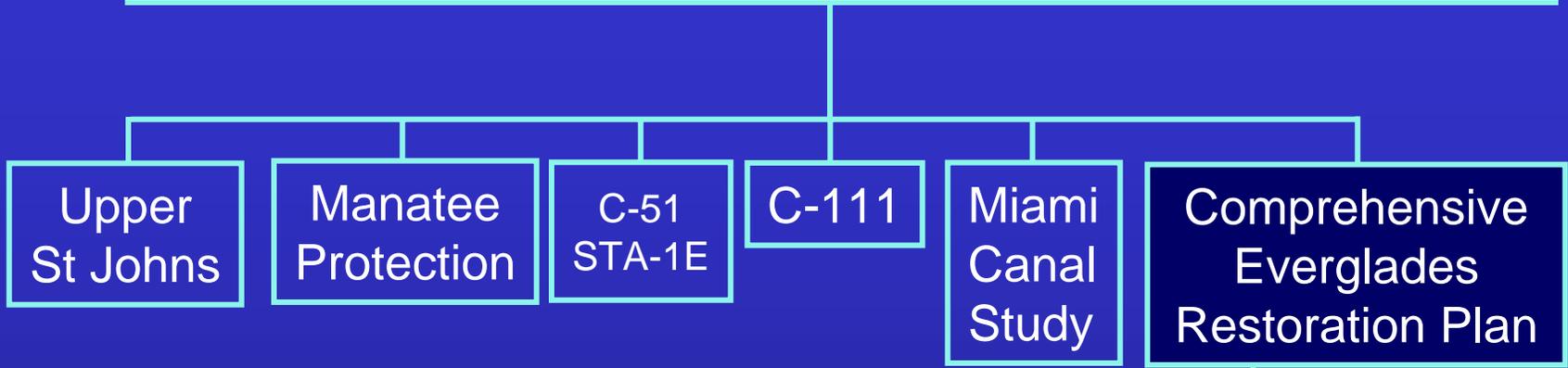
LOCATION MAP



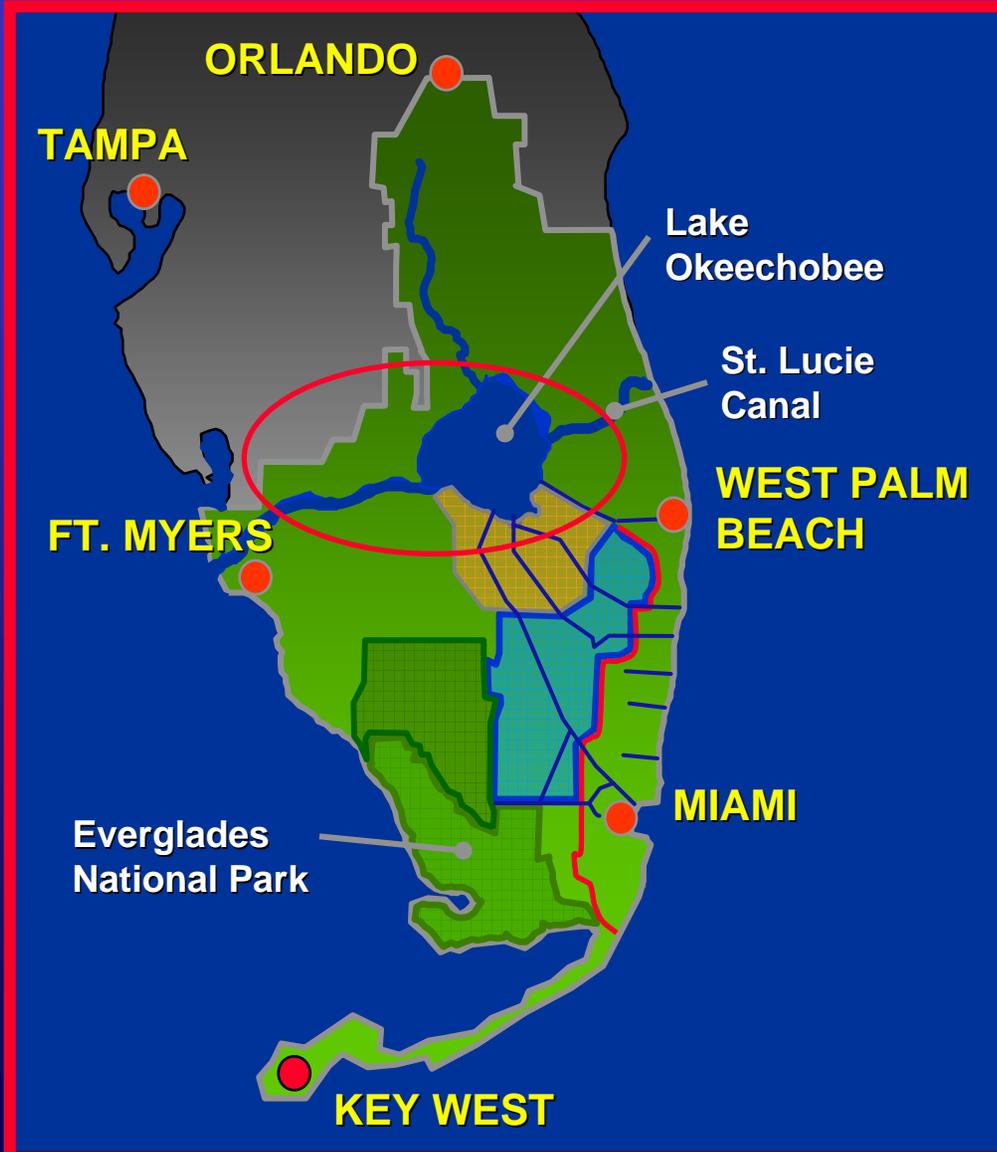
Central & Southern Florida Project



Central & Southern Florida Project



Lake Okeechobee



CERP

1. Lake Okeechobee Watershed - PIR underway, Alternatives being developed & analyzed. Coordinating with Lake Okeechobee & Estuary Restoration plan.

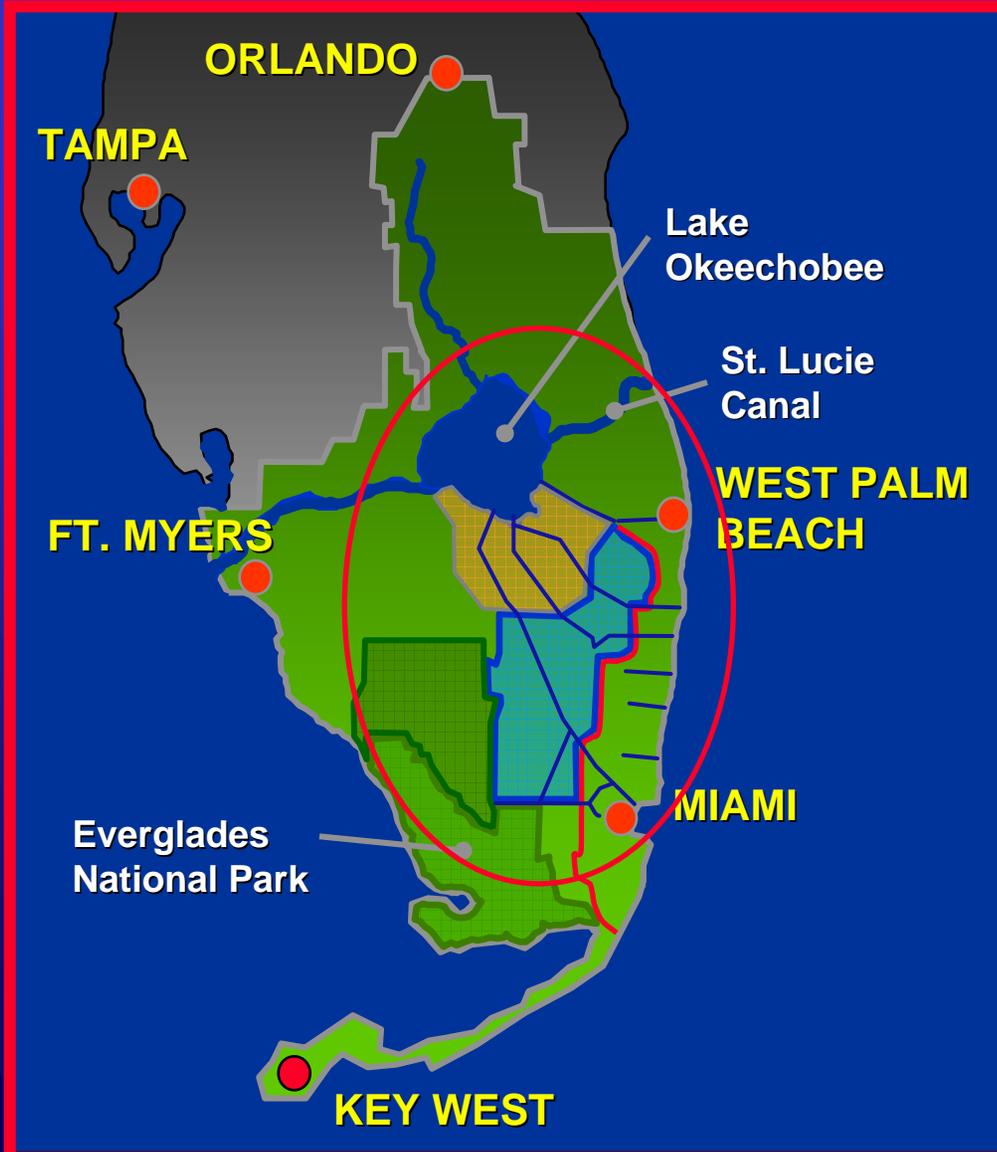
2. C-43 Basin Reservoir – Working to develop final alternatives to address needs in both upper and lower basin

Other Projects

1. Lake Okeechobee Regulation – Current Deviation contiuing, New Regulation study ongoing examine potential WSE modifications with completion next fall.

2. Herbert Hoover Dike – 1st Contract for rehab awarded for \$16.9 million and 4.6 miles in SE corner

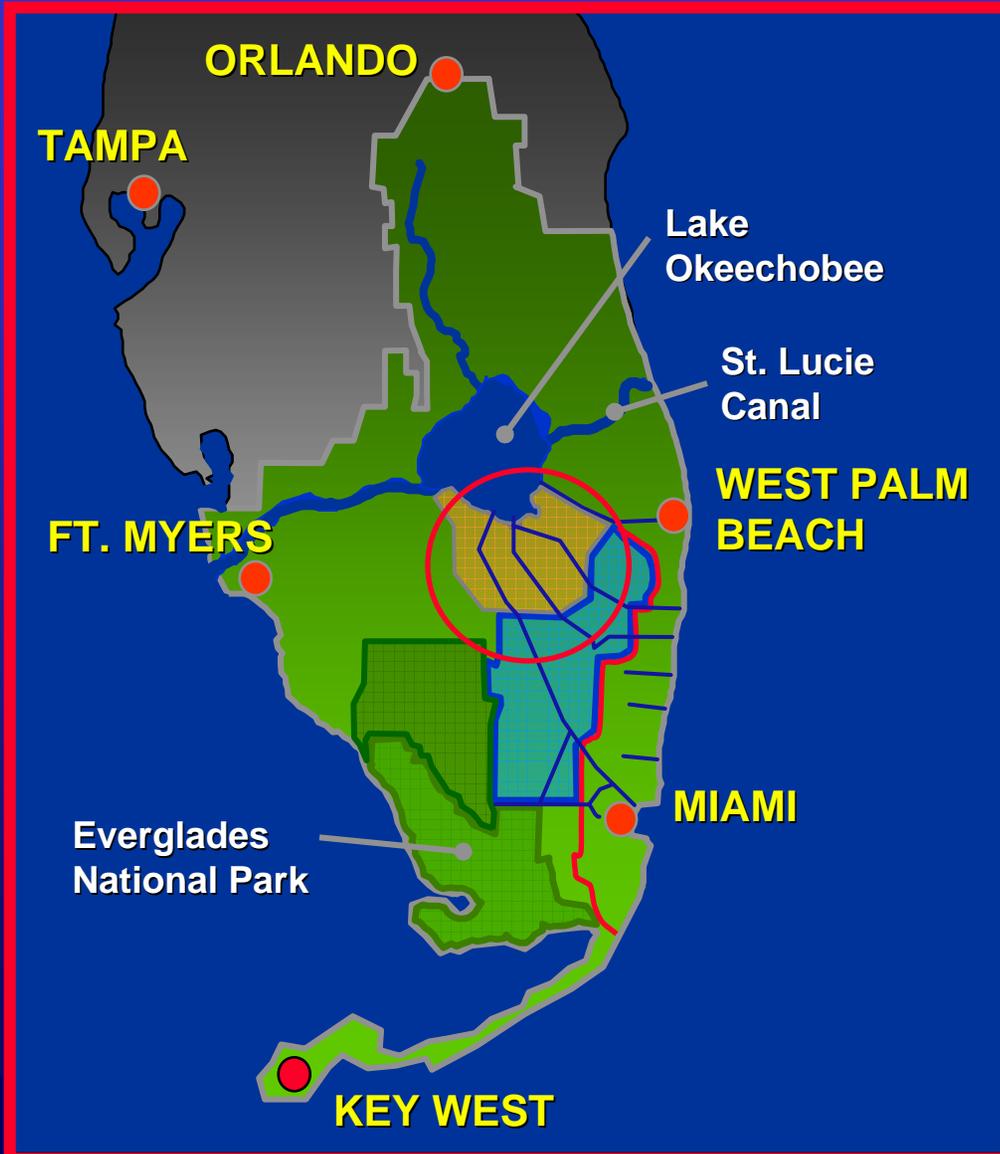
Aquifer Storage & Recovery



CERP

1. Lake Okeechobee, Hillsboro, C-43 ASR Pilots
 - Design underway
 - Construction to start in early 2006 on Lake Okeechobee sites, C-43 site being modified. SFWMD pursuing Hillsboro site.
2. Regional ASR Study - Study underway.
3. ASR Contingency Plan – Planning effort commenced. Will look at optimization of CERP reservoirs around Lake as first step.

Everglades Agricultural Area



CERP

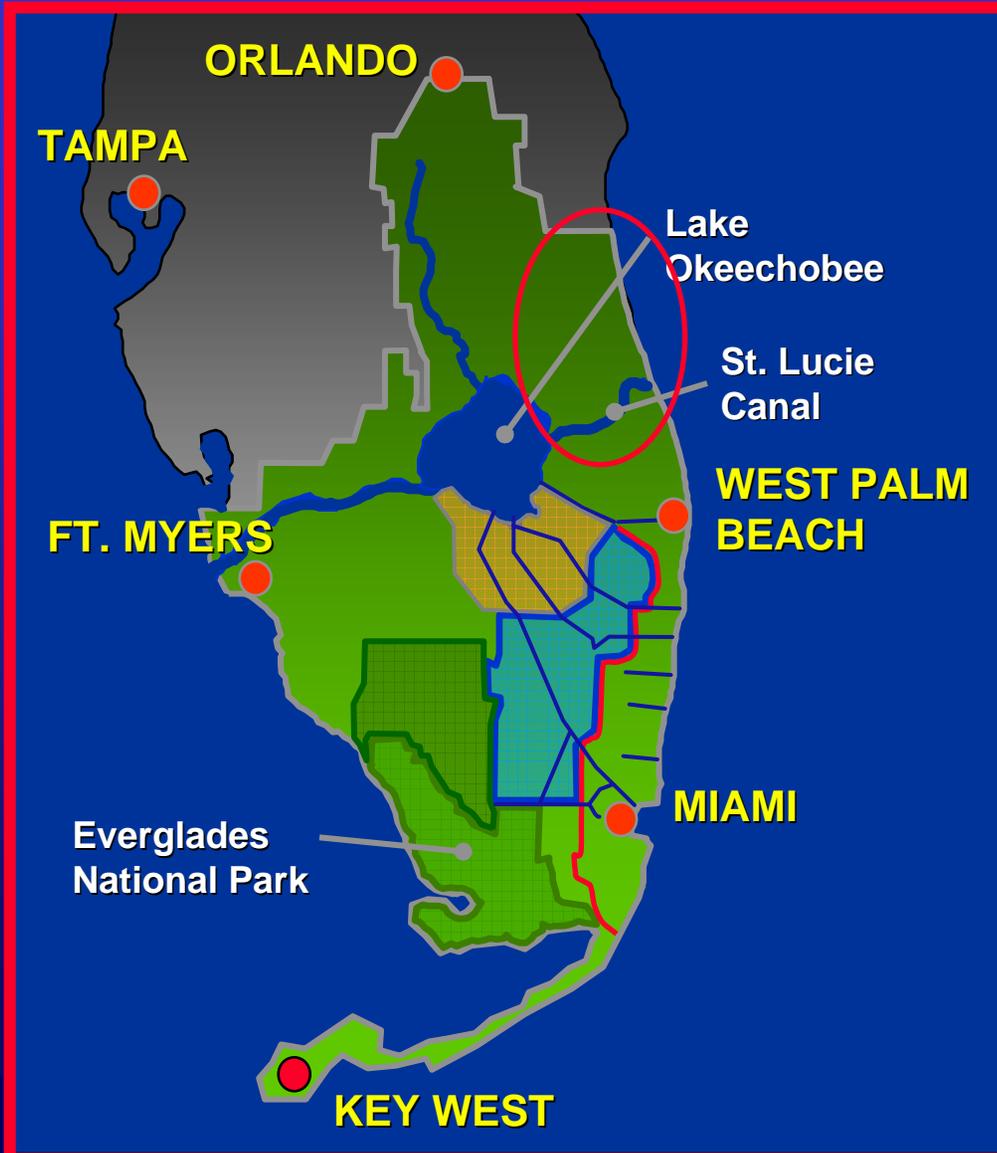
1. EAA Storage Reservoirs

- PIR underway
- Tentatively Selected plan includes earthen zoned levee with 12 foot water pool and 360k acre-feet of storage
- Draft report sent out for review in October.

Assurances section to be circulated in Mid January for 45 days as well.

- Coordination with A8 program ongoing for part 1 by SFWMD.

Upper East Coast

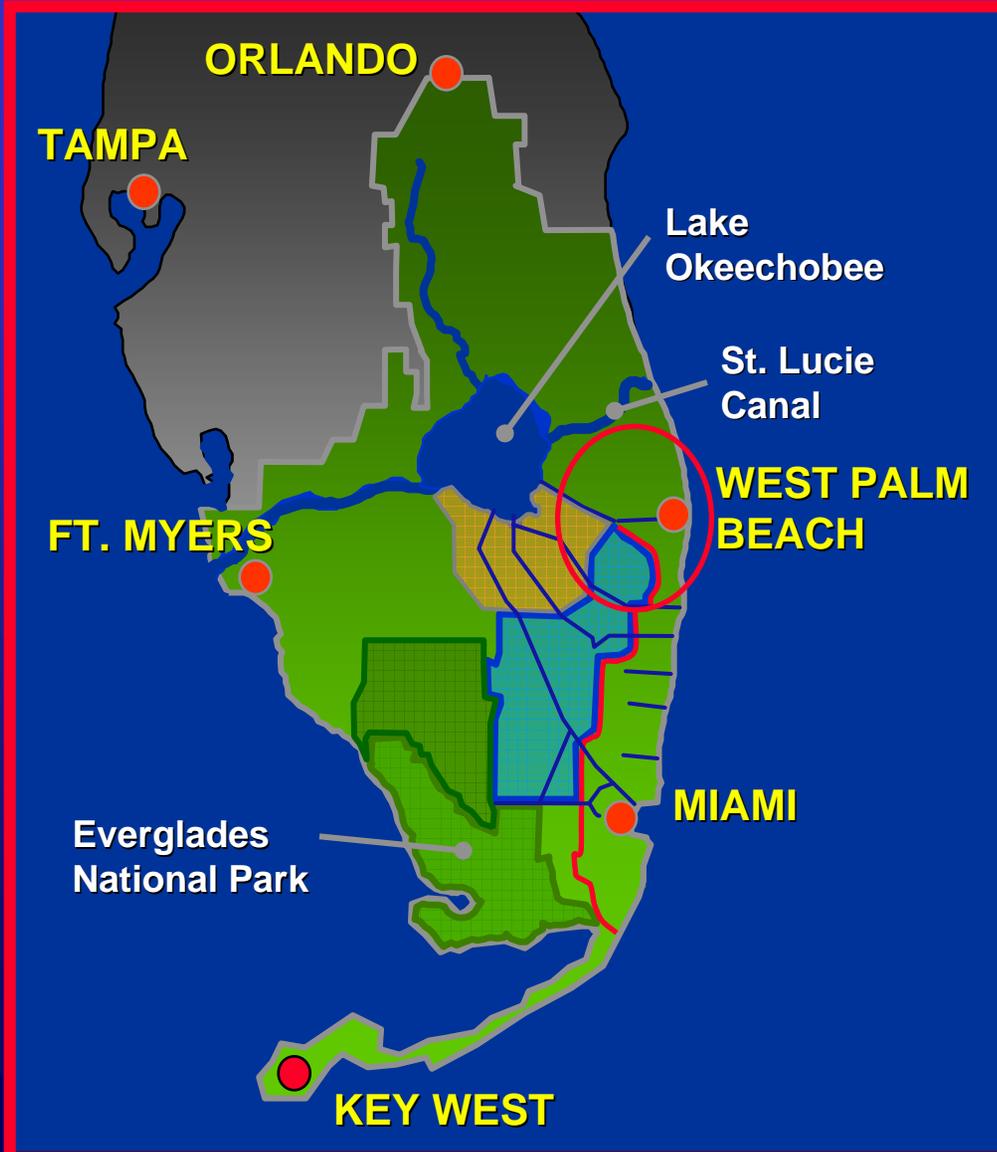


CERP

1. Indian River Lagoon

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

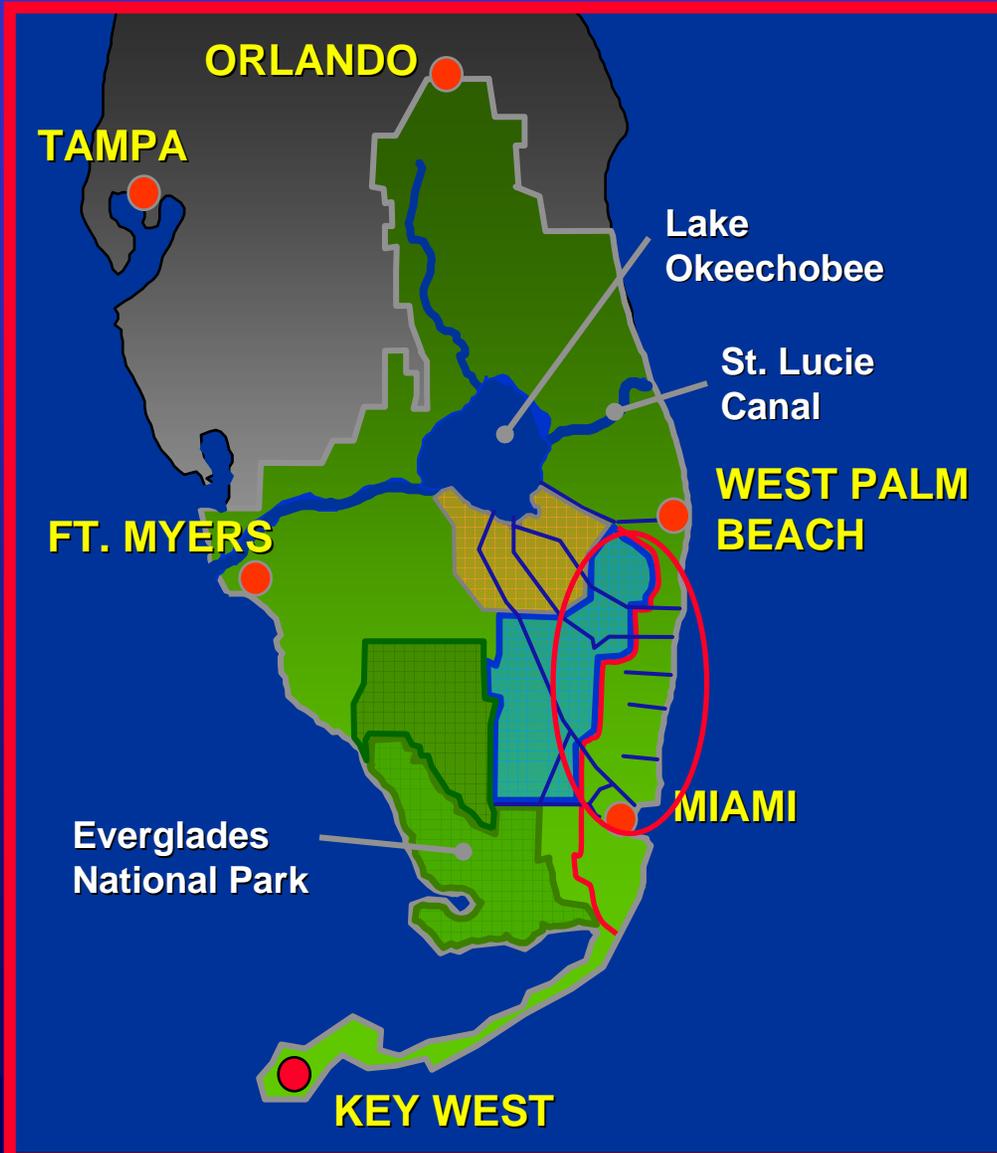
Northern Palm Beach County



CERP

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

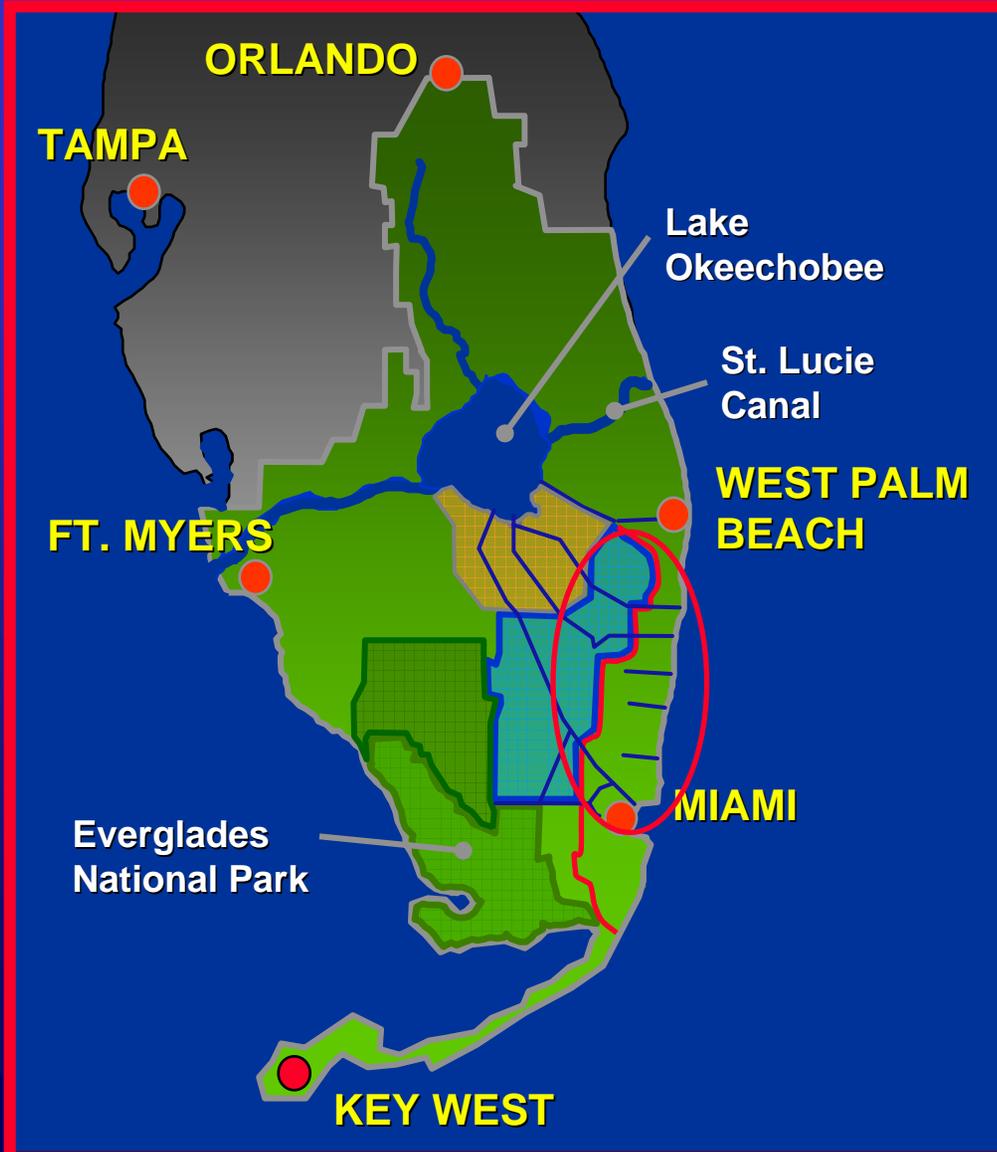
Water Preserve Areas



CERP

1. Acme Basin B
 - PIR underway - Draft report pending resolution of project formulation issues
 - TSP involves creation of wetland area in Section 24 with return of water to WCA 1 through STA 1E
2. Site 1
 - PIR draft updated to include assurances and identification of water to be reserved. Revised draft to be posted in December for review prior to release of final report.
3. Broward County WPA – includes C-9, C-11, and WCA 3A/3B Seepage management
 - PIR underway with draft to be released in January

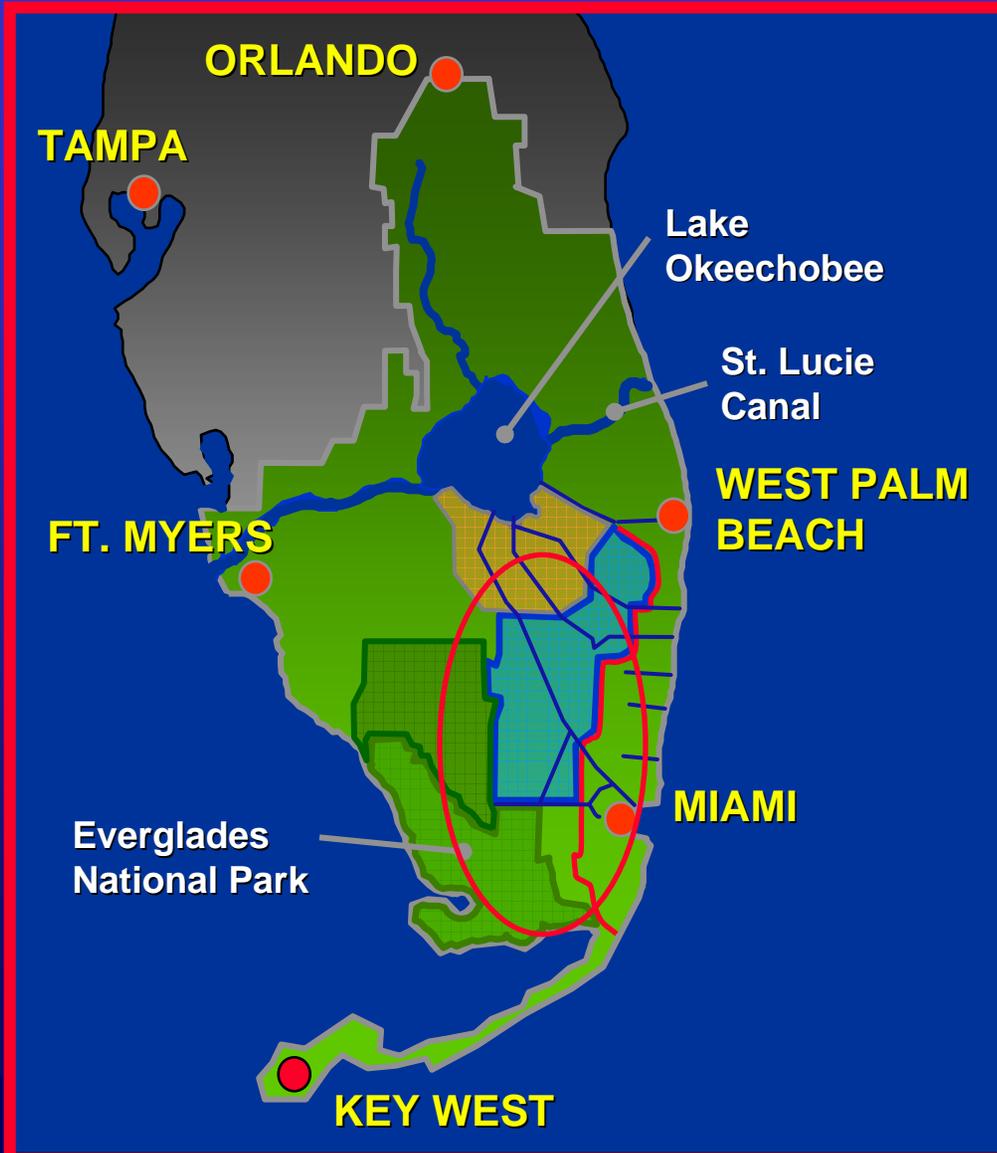
Miami-Dade County



CERP

1. Biscayne Bay Coastal Wetlands
 - PIR underway, Alternative plans being analyzed
 - TSP in Spring 06
2. Bird Drive Recharge Basin
 - Being combined with ENP Seepage component. New schedule and plan being developed

Everglades



CERP

1. WCA Decomp – Part 1
- PIR underway with Plan for application of adaptive assessment under development

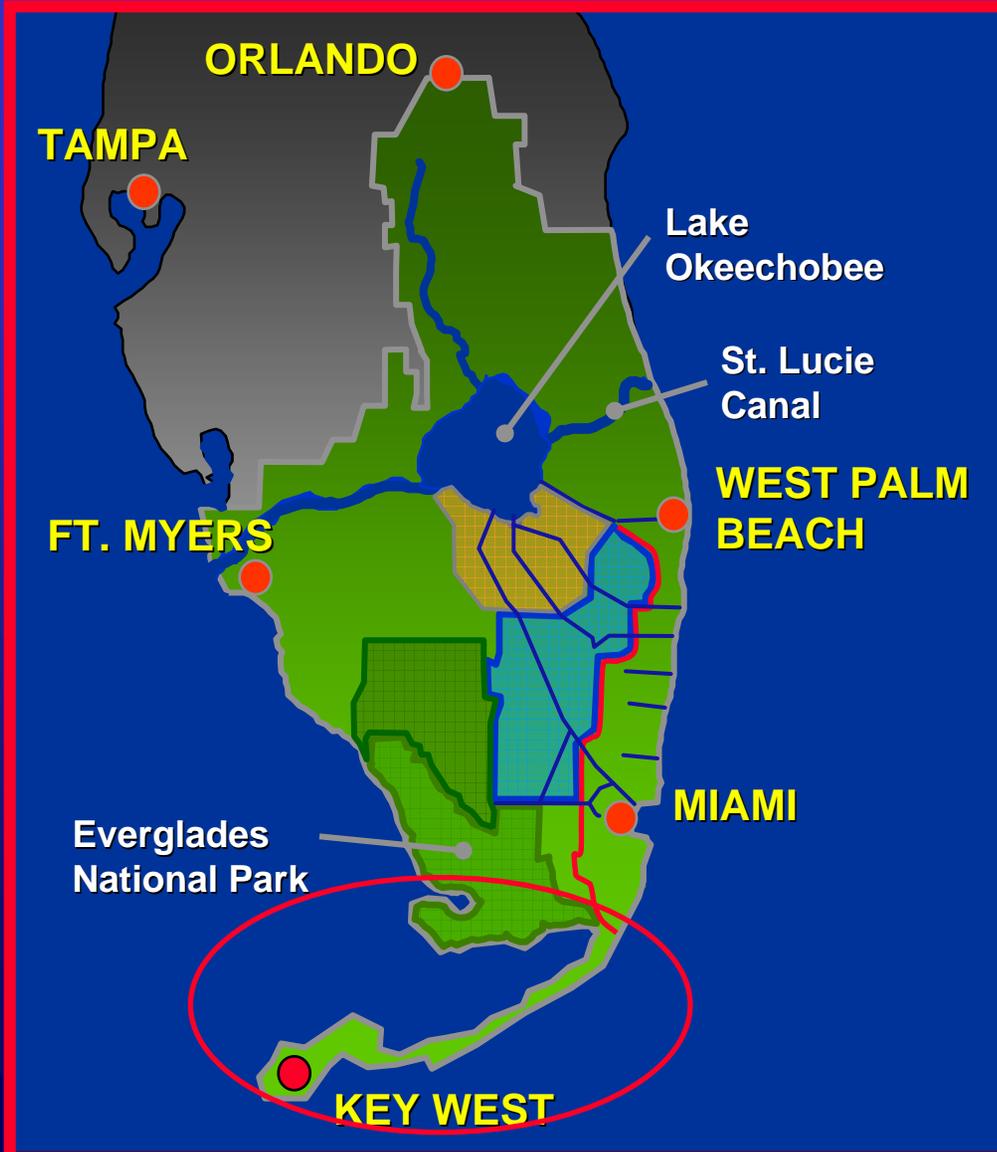
2. C-111 Spreader Canal
- PIR underway, Alternative plans being analyzed with proposed alignment due in December and TSP in late 2006

3. L-31 Seepage Pilot
- Team proceeding with L-30 location for cut-off wall

Other Projects

1. CSOP
- Work underway in coordination with CSOP AT. 5 Base Alternatives being reviewed

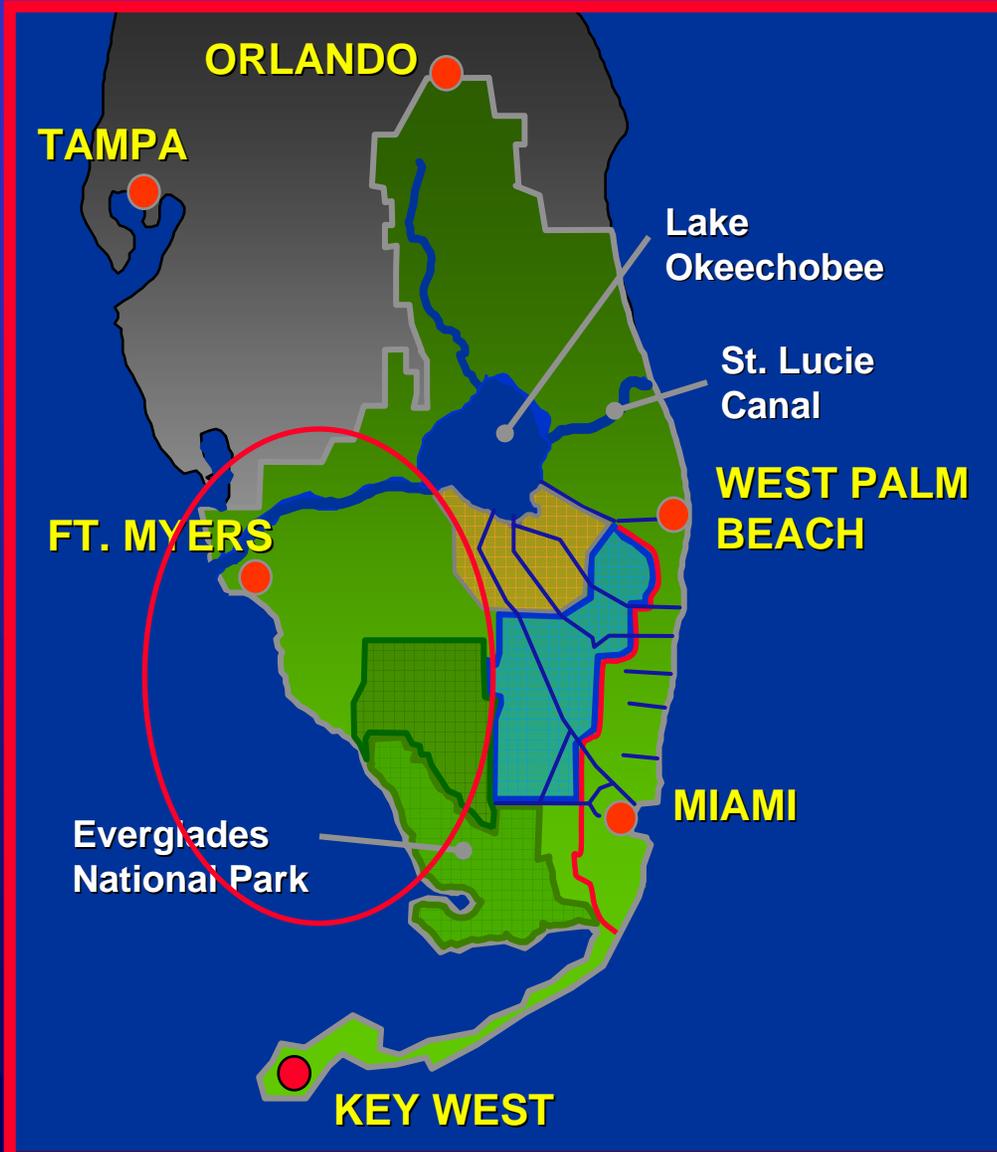
Florida Bays, Florida Keys



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 focus on model development, alternative development being initiated

Lower West Coast



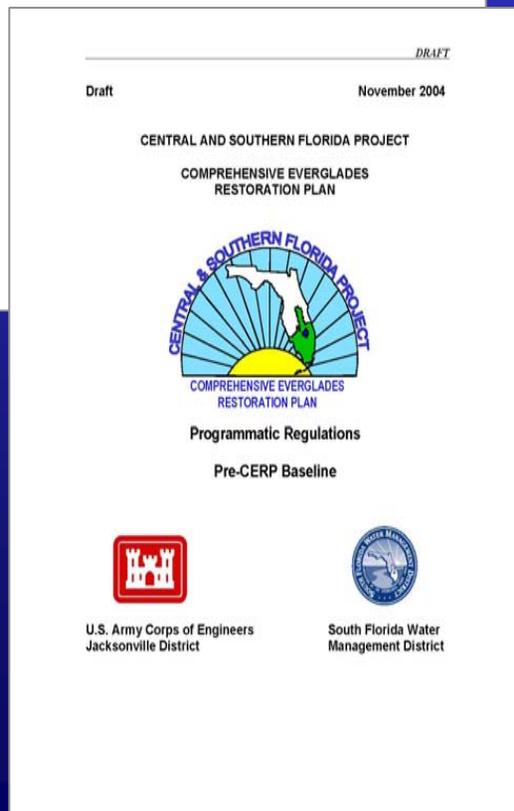
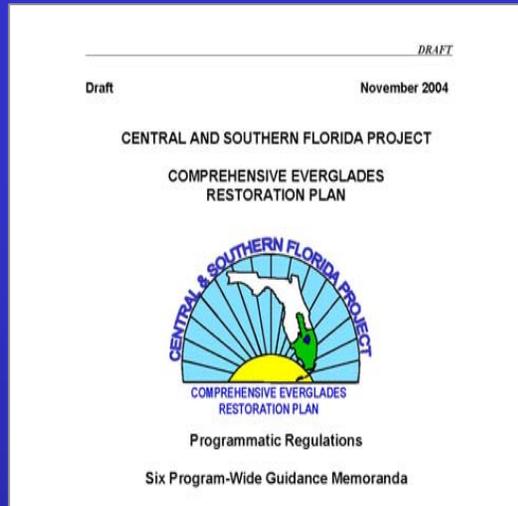
CERP

1. Southwest Florida Feas Study underway
 - Team working to define array of 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 needed for Environment nearly complete.
- Challenge has been with practical application of draft GM 4 on Site 1 and other PIR's.
- Reviewing technical requirements to ensure guidance adequately addresses range of concerns



Interim Goals and Interim Targets

- Agreement drafted.
- Draft Agreement to be presented to WRAC and Governing Board in January.
- Agreements will be presented to Task Force in February for consultation

5 Year Report to Congress

- Draft report has been posted for 30 day public review.
- Report provides snapshot of accomplishments over first 5 years of CERP implementation.
- Consultation later today

Special Report on Exotics

- A special report, incorporating the report, Weeds won't Wait, has been drafted and is undergoing internal report.
- Report should be released for public review in early 2006.

Actions in Congress

- WRDA 2005 – Includes both IRL-S and Picayune Strand. Also includes increase to Critical Projects Program Cap. Some language also proposed for Tamiami Trail and CSOP.

Questions?

