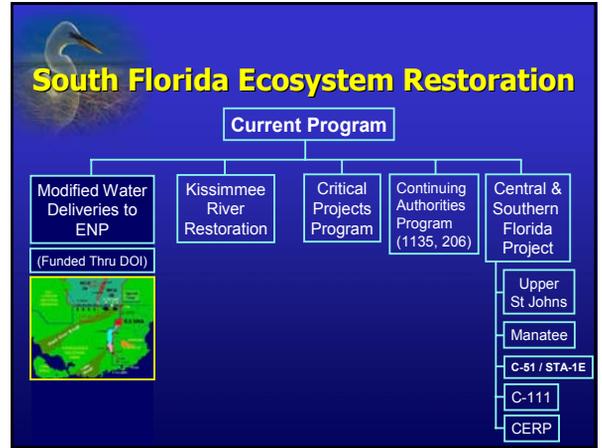


**the Restoration of America's Everglades & the South Florida Ecosystem**



### Modified Water Deliveries to Everglades National Park

**Completed:**

- S-355A&B
- Tigertail Camp
- Removal of 4 miles of L-67 Ext
- Interim S-356

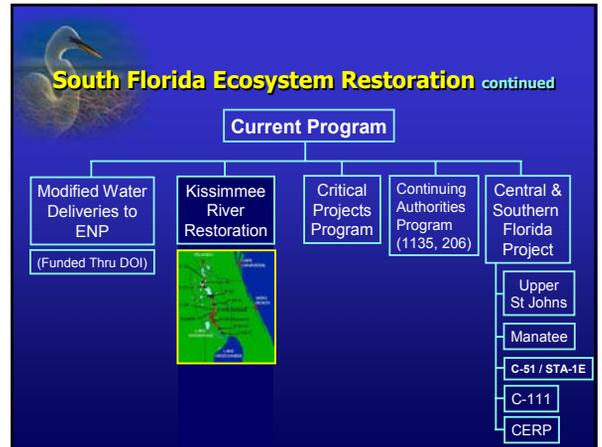
**Ongoing:**

- Acquisition in 8.5 SMA
- 341 tracts acquired out of 743 needed
- Demolition of acquired structures

**Upcoming:**

- Construction of 8.5 SMA Levee, Canal and Pump Station

**Complete June 06**



### 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, Next backfill in FY 05



## Critical Ecosystem Restoration Projects

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



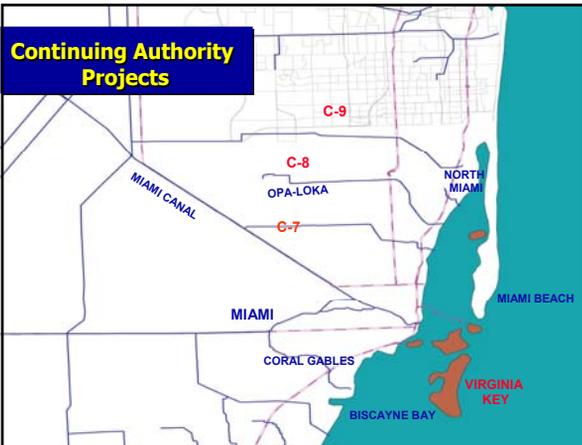
1. Keys Carrying Capacity
2. C-4 East Coast Canals
3. Western C-11
4. Seminole-Big Cypress
5. Ten Mile Creek
6. Lake Okeechobee
7. Southern CREW
8. Tamiami Trail Culverts
9. Lake Trafford Restoration

## South Florida Ecosystem Restoration continued

### Current Program

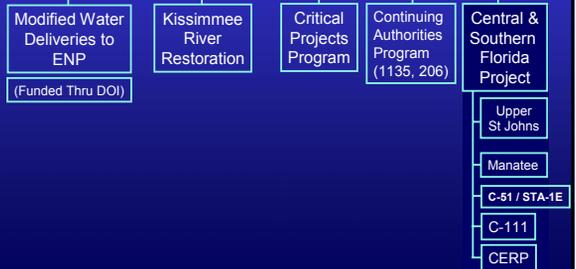


## Continuing Authority Projects

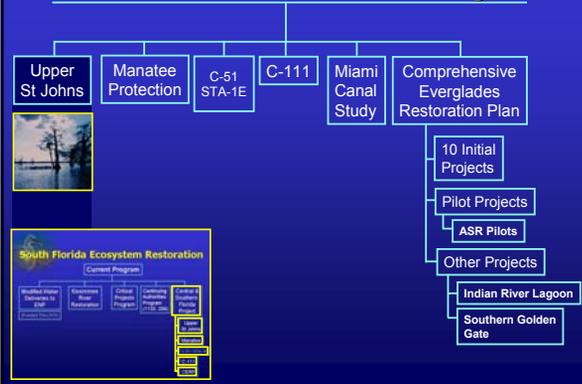


## South Florida Ecosystem Restoration continued

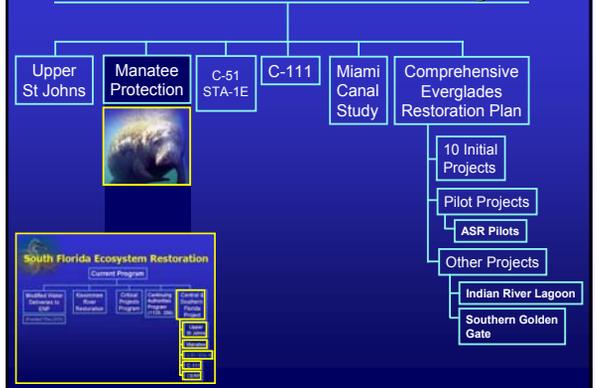
### Current Program



## Central & Southern Florida Project

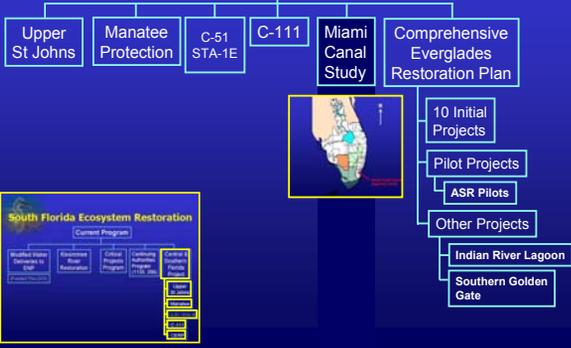


## Central & Southern Florida Project

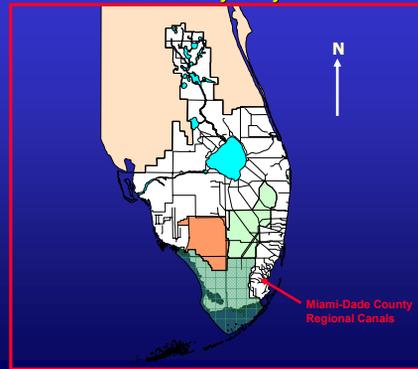




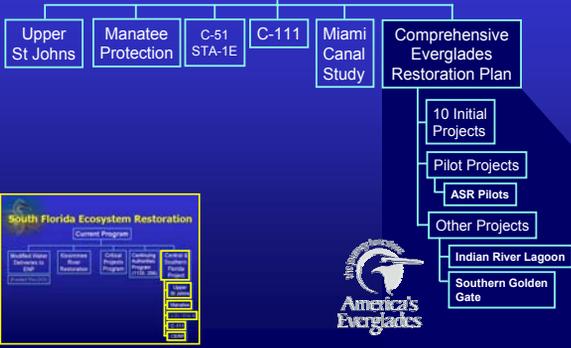
## Central & Southern Florida Project



## CENTRAL AND SOUTHERN FLORIDA PROJECT MIAMI-DADE COUNTY REGIONAL CANALS Feasibility Study



## Central & Southern Florida Project



## Lake Okeechobee



### CERP

1. Lake Okeechobee Watershed - PIR underway, preliminary alternative screening underway
2. C-43 Basin Reservoir - PIR underway, initial screening of preliminary alternatives complete. Developing next array of alternatives

### Other Projects

1. Lake Okeechobee Regulation - Lake in normal operations following WSE schedule, level around 12.2.

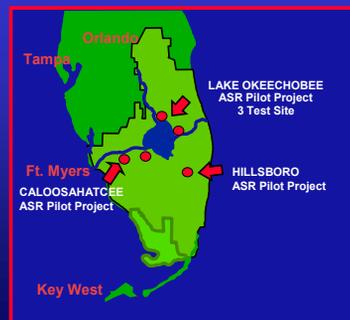
## Aquifer Storage & Recovery



### CERP

1. Lake Okeechobee, Hillsboro, C-43 ASR Pilots - Design underway
  - Draft Pilot Project Design Report recently circulated for public review and comment. Reviewing comments now.
  - New construction start proposed for FY 05.
2. Regional ASR Study - Final PMP complete study initiated.

## Aquifer Storage & Recovery Pilots Proposed FY 05 New Construction Start



## Everglades Agricultural Area



### CERP

1. EAA Storage Reservoirs
  - PIR underway
  - Screening of initial alternatives complete
  - Feasibility Scoping meeting is next step to confirmation findings and direction for future efforts of PIR.

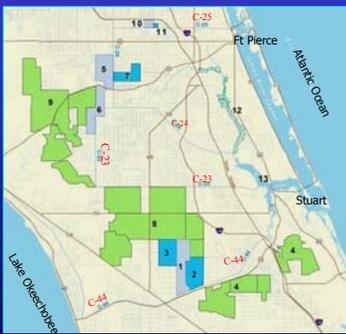
## Upper East Coast



### CERP

1. Indian River Lagoon
  - Feasibility Report being processed at Washington
  - Detailed design initiated for project

## Indian River Lagoon – South Recommended Plan



- C-44 Basin Components**
1. C-44 Basin Reservoir
  2. C-44 Northfork Treatment Area/Staff
  3. C-44 Southfork Treatment Area/Staff
  4. C-44 Staff
  5. Water Conveyance - Natural Storage and Water Quality Area
- C-23/24 Basin Components**
6. C-23/24 Basin Reservoir
  7. C-23/24 Staff
  8. C-23/24 Staff
  9. C-23/24 Staff
  10. C-23/24 Staff
  11. Water Conveyance - Natural Storage and Water Quality Area
- C-25, Northfork and Southfork Basin Components**
12. C-25 Reservoir
  13. C-25 Staff
  14. C-25 Staff
  15. C-25 Staff
  16. C-25 Staff
  17. Water Conveyance - Natural Storage and Water Quality Area



## Indian River Lagoon – South Features

- Project Features:
  - Reservoirs – 130,000 acre-feet (C-44, C-23/24 North and South, C-25)
  - STAs – 35,000 acre-feet (C-44, C-23/24 and C-25)
  - Natural storage areas – 92,000 acres (Allapattah, PalMar, Cypress Creek)
  - Flood Plain Restoration – 3,100 acres
  - Muck removal (7.9 million cy) and artificial habitat creation in St. Lucie Estuary
- Project Cost: \$1.2 Billion

## Indian River Lagoon – South Project Status

- Project Implementation Report (PIR) completed: March 24, 2004
- Division Engineer's Notice: March 31, 2004
- Independent Scientific Review completed: May 3, 2004
- 30 day final State/Agency/Public Review of PIR: May 7, 2004 - June 5, 2004
- Chief's report – Expect by end of July
- Authorization – Being considered for WRDA 2004

## Northern Palm Beach County



### CERP

1. North Palm Beach County
  - PMP complete, awaiting final signature
  - Team working on L-8 reservoir project testing, implementation of water quality monitoring plan, and defining base conditions for PIR.
2. Winsberg Farms
  - PMP completed
  - Alternatives under development.
4. Recon for Additional Water (245k)
  - Recon Report completed. Awaiting completion of ICU.

## Water Preserve Areas



### CERP

1. Acme Basin B
  - Modeling of detailed alternatives underway.
  - Work on defining future without project condition underway.
2. Strazzulla
  - PIR Development underway with defining base and future conditions
3. Hillsboro Site 1
  - Final screening of alternatives underway. Draft report scheduled for Jan 05
4. Broward County WPA – includes C-9, C-11, and WCA 3A/3B Seepage management
  - Alternatives under development, FSM in Sept 04, draft report in Aug 05

## Miami-Dade County



### CERP

1. Waste Water Reuse Pilot
  - MISP update recommends slowing this down.
2. Lakebelt Inground Pilot
  - MISP update recommends slowing this down.
3. Biscayne Bay Coastal Wetlands
  - PIR underway
  - Base conditions and alternative array being defined.
  - FSM in Nov 04
4. Bird Drive Recharge Basin
  - Draft PMP near completing, final in Nov 04.

## Miami-Dade County (cont'd)



### Other Projects

1. Miami-Dade Canal Study
  - Recon completed, draft PMP being reviewed for cost and time

## Everglades



### CERP

1. WCA Decomp – Part 1
  - PIR underway, looking at options for PMP revisions,
2. C-111 Spreader Canal
  - PIR underway
  - Base conditions and initial array of alternatives being developed
3. L-31 Seepage Pilot
  - Work on PPDR underway identifying potential alternatives and site location

### Other Projects

1. CSOP
  - Work underway in coordination with CSOP Advisory Team to develop plan by June 06

## Florida Bays, Florida Keys



### CERP

1. Florida Keys Tidal Improvement (CERP)
  - PIR underway
  - MISP update recommends slowing down to run consistent with FLK/FL Bay
2. Florida Bay/Florida Keys Feasibility Study
  - Study underway
  - Performance measures complete, working on modeling needs.

### Other Projects

1. Florida Keys Water Improvement Initiative
  - Working on specific agreements to reimburse work being done in accordance with Master Plan and individual project schedules.

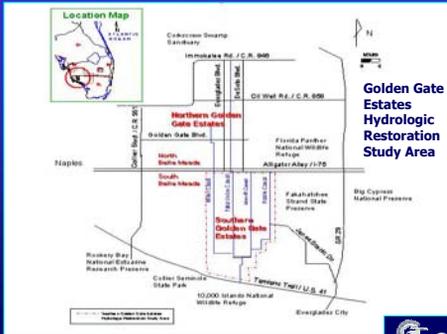
## Lower West Coast



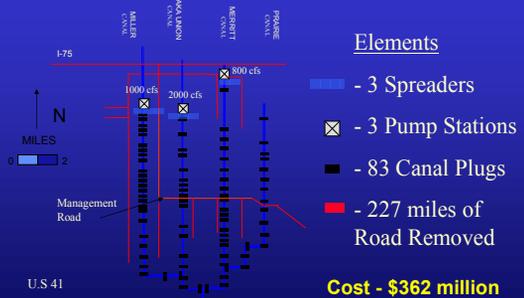
### CERP

1. Southwest Florida Feas Study
  - Team working to define base and future conditions, planning scenario, and potential array of alternatives
2. Lakes Park
  - PMP under preparation, complete in Dec 04
3. Henderson Creek/Belle Meade
  - Design Agreement being completed. PMP to follow
4. Picayune Strand (Southern Golden Gate Estates)

## Southern Golden Gate Estates - Picayune Strand Restoration

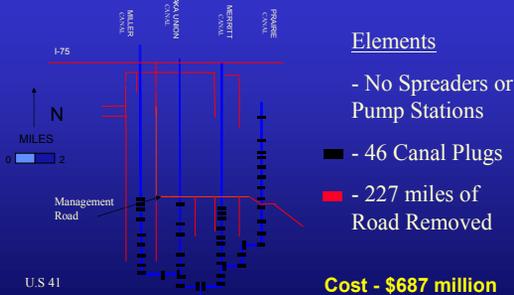


## SGGE - Picayune Strand Restoration Alternative 3D



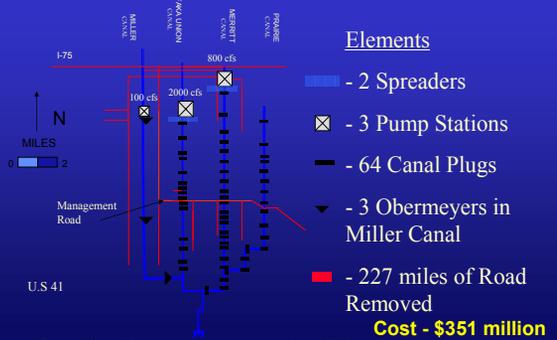
Most Roads Removed and Northern Spreader

## SGGE - Picayune Strand Restoration Alternative 6



Most Roads Removed and No Pumps

## SGGE - Picayune Strand Restoration Alternative 12



Smaller Pumps and special Weirs

## SGGE - Picayune Strand Restoration PIR Status

- Comment period on Draft PIR completed, addressing comments now
- Major issues identified thus far – potential flooding north of I-75, recreational use, private property rights
- Final PIR to be complete in Sept 04
- Expect Chief's report by 31 Dec 04
- Proposed for inclusion in WRDA 2004

# Questions?

