

Working Group Update on Water Projects & Initiatives



September 2002



COMPREHENSIVE EVERGLADES
RESTORATION PLAN

Indian River Lagoon



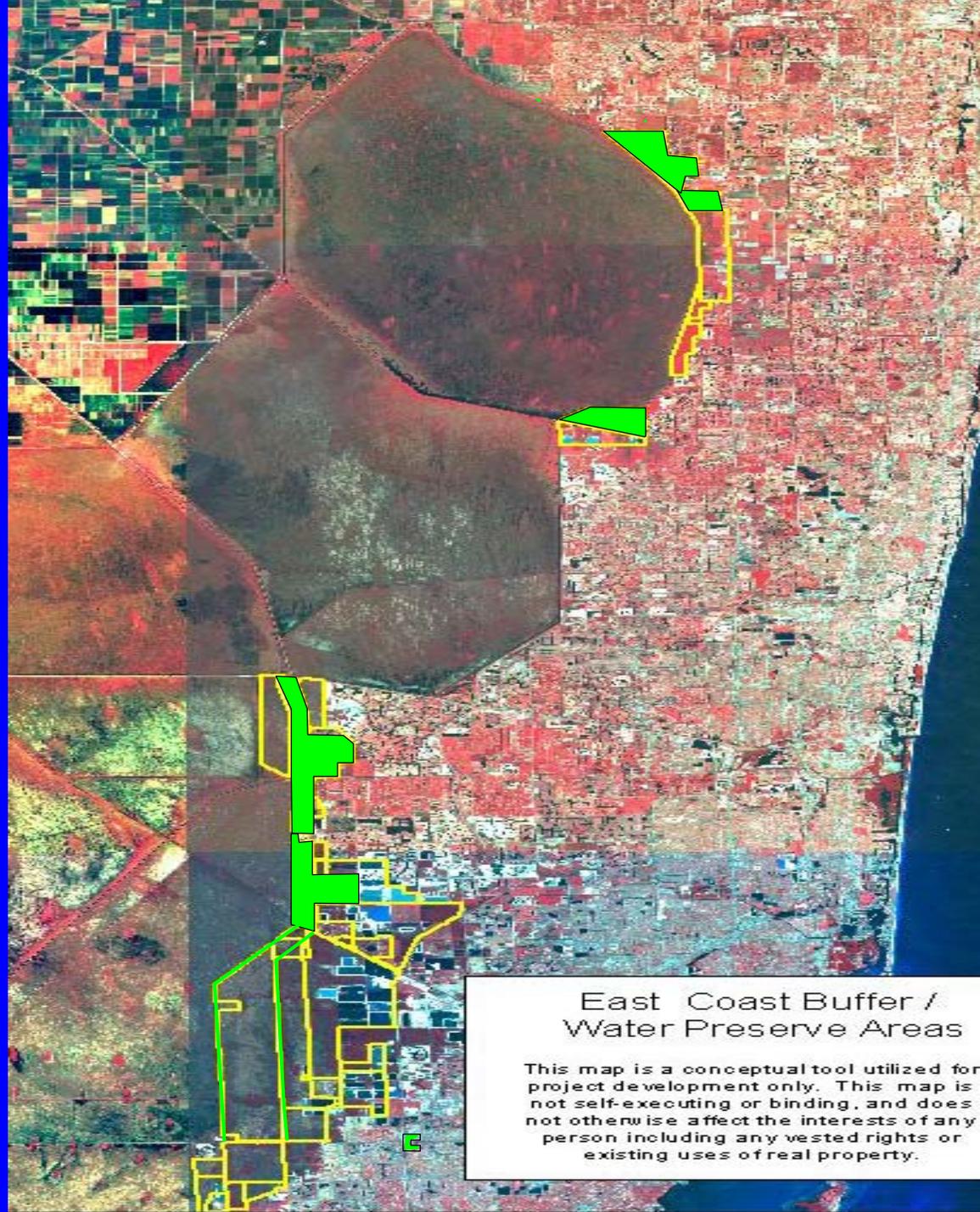
- Division Engineer's Notice signed 6 Sept
- Notice in Federal Register expected 13 Sept
- Washington and State Review
- Processing to Congress for WRDA 2002 consideration
- Total Cost - \$995.9 million
- Special PIR to identify water needed for the environment and other requirements of WRDA 2000 now starting

Southern Golden Gate Estates

- **Status**
 - **Preparing PIR**
 - **Reevaluating alternatives to reduce cost and potential flood impacts to private property**
 - **State has 92% of study area lands acquired**
- **Issues**
 - **Schedule delays due to reevaluation of Alternatives**
 - **Strong public concerns over property rights/recreational opportunities**

Water Preserve Areas

- Feasibility Study being transitioned into multiple PIR's



Water Preserve Areas PIRs

- Acme Basin B Discharge
- Strazzulla Wetlands
- Hillsboro Site 1 Impoundment (Part 1)
- C4 Structure
- Bird Drive Recharge Area
- Broward County WPA
- WCA 2B Flows to ENP
- WPA Conveyance
- WCA 3A/3B Flows to CLB

Modified Water Deliveries

- Federal judge's ruling on 8.5 SMA
- Work suspended on:
 - Tamiami Trail improvements
 - Seepage Canal, Levee and S357 Pump P&S
 - STA Design
 - New Real Estate Acquisition efforts
- Work continuing
 - Ongoing contracts for design to logical conclusion
 - Certain relocation efforts for lands already purchased

CERP Decomp & Sheetflow Enhancement

Status

- **PIR efforts suspended 13 Aug 02 due to 8.5 SMA ruling**
 - Exceptions:
 - » On-going A/E contracts
 - » Development of performance measures
 - » Collection of baseline data
- **Issue**
 - Cannot implement until 8.5 SMA project in-place downstream

Interim Operation Plan Status

- Record of Decision – Signed on 2 July approving Alternative 7R
- Water Quality Certification received from Florida DEP
- Key Feature – Operational Flexibility
- Current operations are in “column 2” with bypass from WCA 3A due to continued high water levels



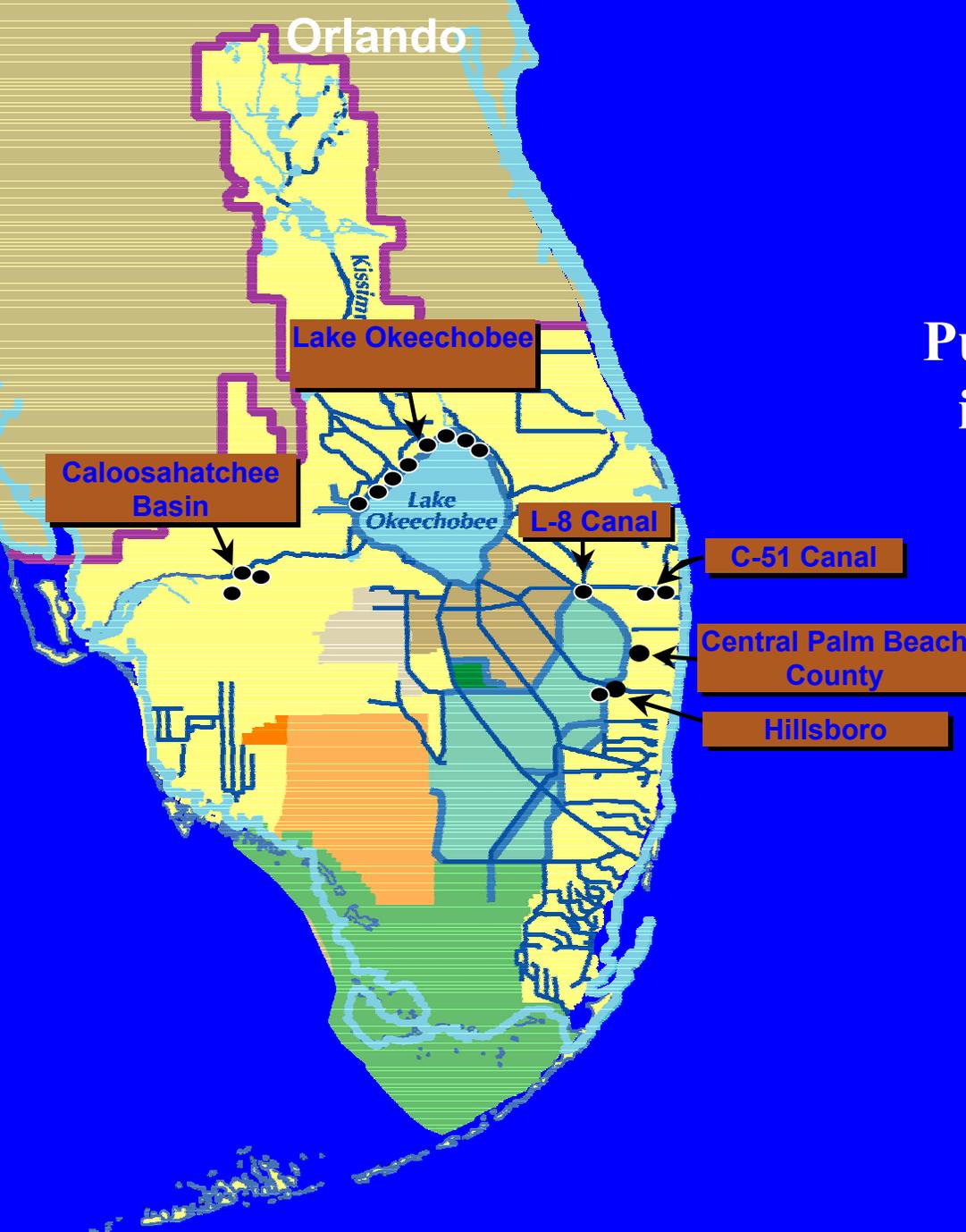
Combined Structural and Operational Plan (CSOP) for C-111 & MWD

- **Status**

- **Continuing efforts toward development of CSOP**
- **Developing base, existing and future conditions (landuse, topography, etc...)**
- **Developing performance measures**
- **Model development**
- **Seeking appropriate vehicle for stakeholder involvement – WRAC/WG**

CERP ASR Regional Study

Purpose: To evaluate potential regional impacts of proposed large scale ASR implementation.



| CERP ASR Sites | Wells |
|-----------------------|--------------|
| Lake Okeechobee | 200 |
| Caloosahatchee | 44 |
| L-8 Basin | 10 |
| C-51 Basin | 34 |
| Central PBC | 15 |
| Hillsboro | 30 |
| TOTAL | 333 |

Note: Design Capacity for each ASR well = 5 million gallons per day (mgd).

ASR Regional Study

STATUS

- Draft PMP review by CROGEE due 30 Sep 02
- Public review comments due by 31 Oct 02
- Early Start (pre-PMP approval) data collection and analysis activities are in progress
- Contingency plan under development



Gulf of Mexico

N



Everglades

Miami

Biscayne Bay

Key Largo

Florida Bay

Atlantic Ocean

Big Pine Key

Marathon

Hwy 1

Key West

Florida Keys Efforts

Florida Keys Carrying Capacity Study

- August 14, 2002: Florida Keys National Marine Sanctuary Steering Committee Members passed a resolution for a 2nd technical review of the Final Carrying Capacity Study.
- Review will be complete by December 2002.
- Study finalized by January 2003.

Florida Keys Water Quality Improvements

- Public Law 106-554 authorized the Corps of Engineers “to provide technical and financial assistance to carry out projects for the planning, design and construction of treatment works to improve water quality in the Florida Keys National Marine Sanctuary.
- Non-Federal 35%, Federal 65%.
- Draft Program Management Plan & Program Implementation Guide due this fall

Florida Keys Tidal Restoration

- Purpose: Restore tidal connections that were eliminated in the early 1900's during the construction of Flagler's Railroad, now US 1.
- "Other Project Element" (OPE) within CERP.
- Falls within the Programmatic Authority.
 - Cost of the project cannot exceed \$25M, which includes funds expended during planning and design.
 - Neither the Federal or Non-Federal cost can exceed \$12.5M.
- PIR is being prepared.

Florida Bay / Florida Keys Feasibility Study

- Purpose: Comprehensively examine the Florida Bay and Florida Keys marine environments, and the actions and land uses upstream, to determine the modifications that are needed to successfully restore water quality and ecological conditions of the Bay.
- Feasibility Study will include extensive comprehensive modeling:
 - Hydrodynamic, water quality, upland, groundwater mangrove and ecological.
- Feasibility cost sharing agreement signed and study underway
- Anticipated completion in Feb 06.

CERP Program Status

- Project Management Plans – 15 completed, 9 underway
- Pilot Project Design Reports – 6 underway
- Project Implementation Reports – 9 initiated/underway
- Master Sequencing Update underway
- Initial CERP Update Underway
- Feasibility Studies for Florida Bay/Keys and Southwest Florida underway
- Recon studies for Water Quality and 245k underway to develop study plan, scope, and cost estimates.

Critical Projects Program Status

- C-4 (S-380) Construction to complete in Nov 02
- C-11 Construction underway, S-9a contract complete
- Lake Trafford Award postponed pending evaluation of alternative construction methods
- Florida Keys Carrying Capacity Study – Additional review, final report in January 2003
- Lake Okeechobee – Award this fall
- Ten Mile Creek – Award scheduled for late this year, working cultural resource issue.
- Tamiami Trail Culverts – Design Underway, award in June 03
- Southern Crew – Structure complete, land acquisition continuing
- Seminole Big Cypress – Construction underway for phase 1

Other WRDA 2002 Items

- Critical Projects Program
 - Increase in Program Funding Cap proposed
- WRDA 1999 Pilot Projects
 - Lake Okeechobee and Hillsboro ASR Pilots – O&M cost sharing

Questions?

