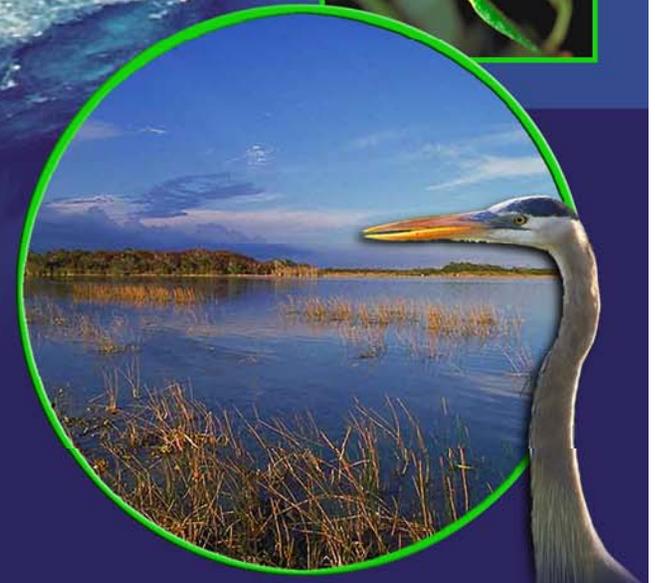
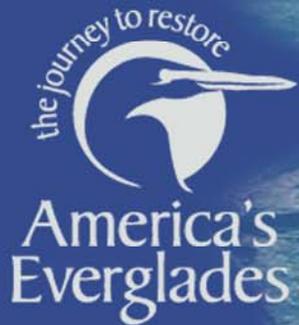


# Task Force Update May 10, 2005



South Florida  
**Everglades**  
Ecosystem Restoration Program

# Topics

- **Project Update**
- **Independent Science Review**
- **MISP**
- **Interim Goals/Targets**
- **5 Year Report to Congress**





# Everglades Ecosystem Restoration

## Current Program



# Modified Water Deliveries to Everglades National Park



## Completed:

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

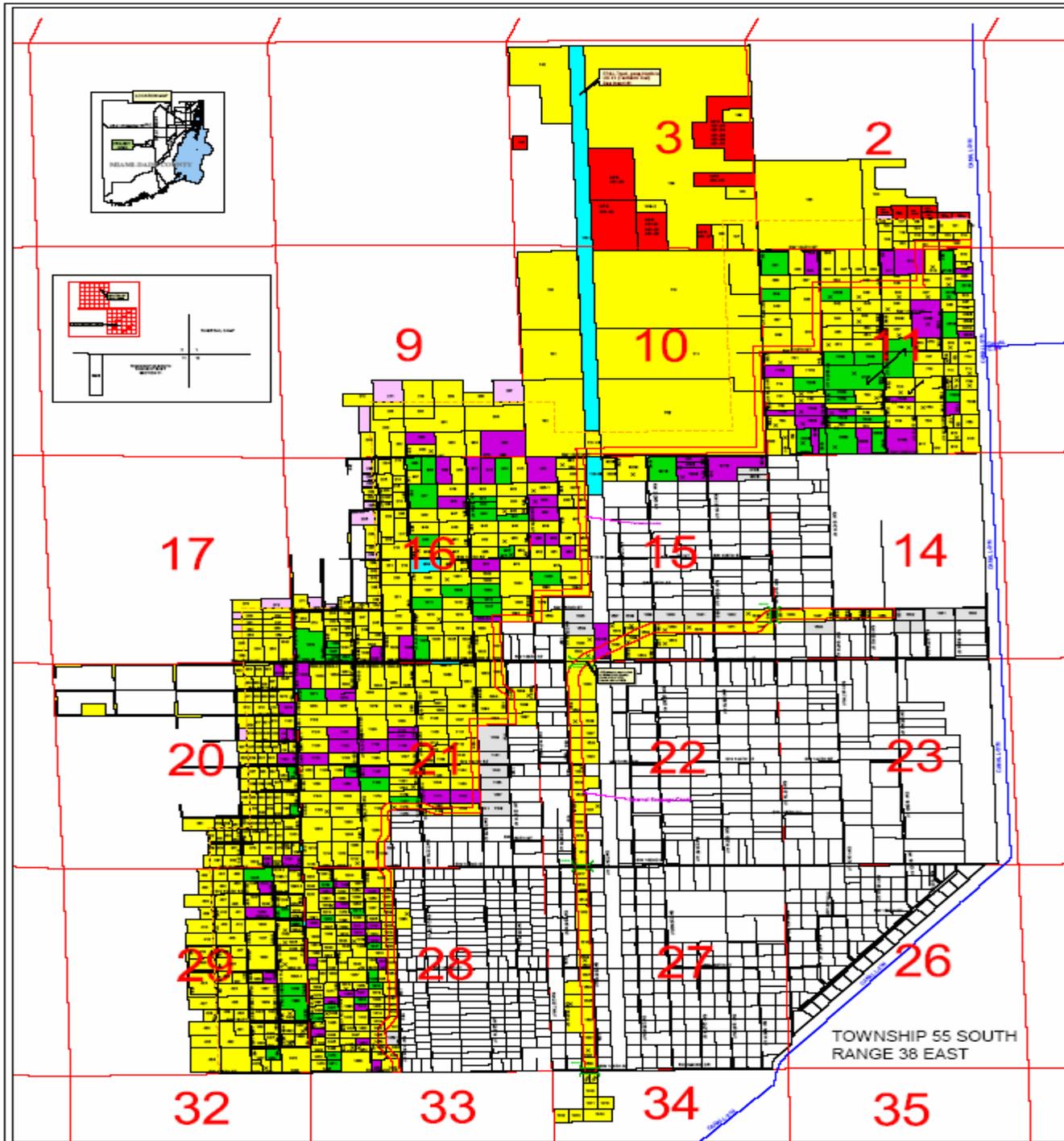
## Ongoing:

- RE Acquisition in 8.5 SMA
- 843 tracts needed
- 520 tracts acquired
- Demo underway
- ENP assisting in acquiring 216 vacant tracts

- Revision of Tamiami Trail GRR

## Upcoming:

- FY 06 Funding
- Construction of 8.5 SMA Levee, Canal and PS



- - Acquired
- - No offer
- - Offer sent
- - in closing
- - NPS owned
- - Not needed

## 8.5 SMA Real Estate Acquisition Status

# Modified Water Deliveries

- Project to date funded 100% by DOI
- Real Estate Acquisition on track to complete by end of June 05 for 8.5 SMA
- Construction of 8.5 SMA Flood Mitigation Works to begin in October 2005 pending FY 06 funding
- Current Project Cost Estimate is \$398 Mil
- Cost Increases due to -
  - Extraordinary increase in Real Estate values in Miami-Dade area, up to 5% per month – over 40% of increase
  - Significant increase in price of construction materials associated with overseas demand and fuel costs
  - Safety concerns and associated design requirements related to Tamiami Trail - \$130 mil

# **Modified Water Deliveries Way Ahead**

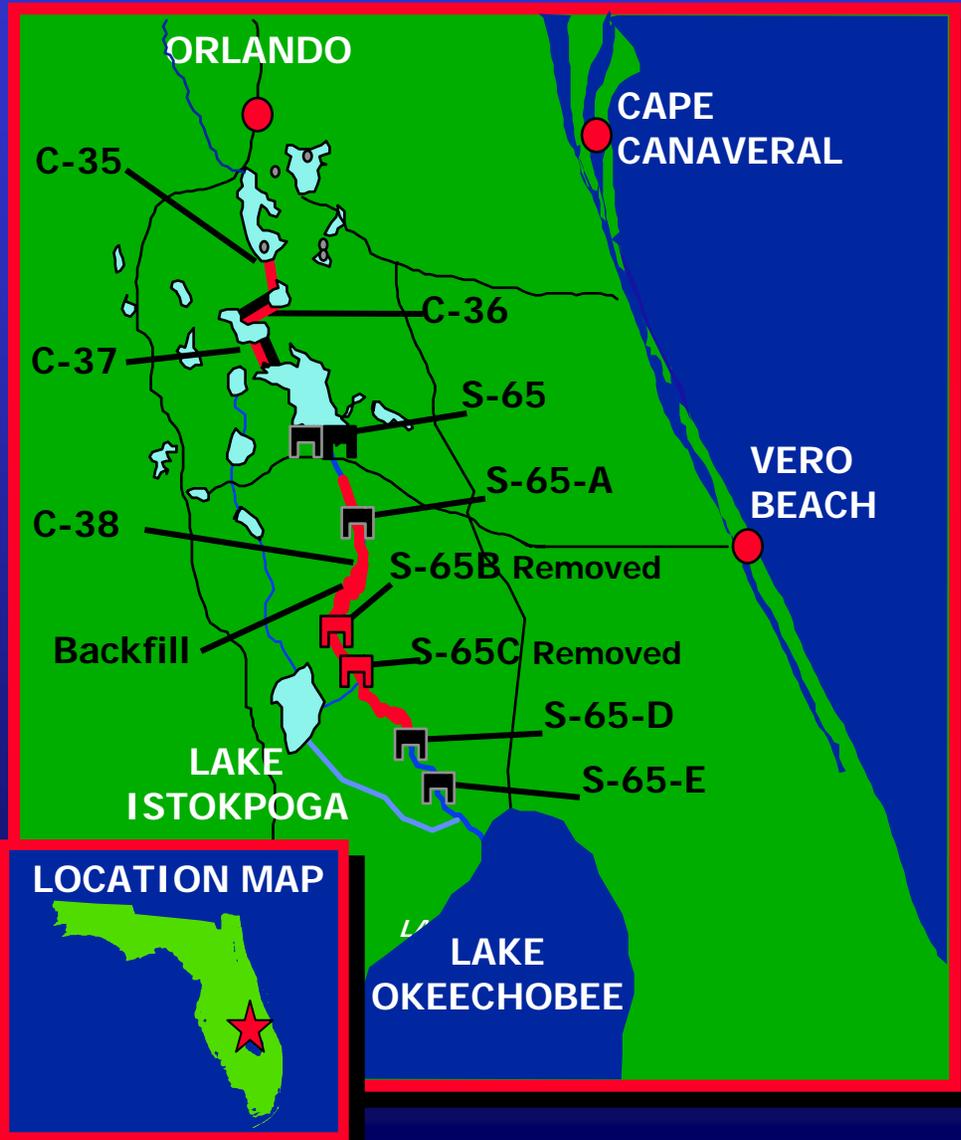
## **Proposed Plan to Complete**

- **General Re-evaluation Report for Trail being updated for 3 final alternatives: 3000 foot bridge, 4 mile bridge, and 10 mile skyway**
- **Proposal by Administration for FY 05 to Completion**
  - **50/50 cost share between Corps and DOI**
- **FY 06 Administration Budget Request includes \$35 M for Corps and \$25 M for DOI**
- **Florida DOT involved with design**
- **Draft report scheduled for public review this fall with final in December/January timeframe.**

# **Remaining Features - Status**

- **Ongoing design of conveyance and Seepage works to convey water from Water conservation areas into Northeast Shark River Slough area**
- **Combined Structural and Operational Plan (CSOP) under development with assistance of special Task Force Advisory Team for operations of Modified Water Deliveries Project in conjunction with the C-111 project.**

# Kissimmee River Restoration



## Completed:

- S-65 & S-65A Modifications
- Portions of Upper canal C-37 Widening
- US 98 Modifications
- Reach 1 Backfill for 7 miles
- S-65B Removal

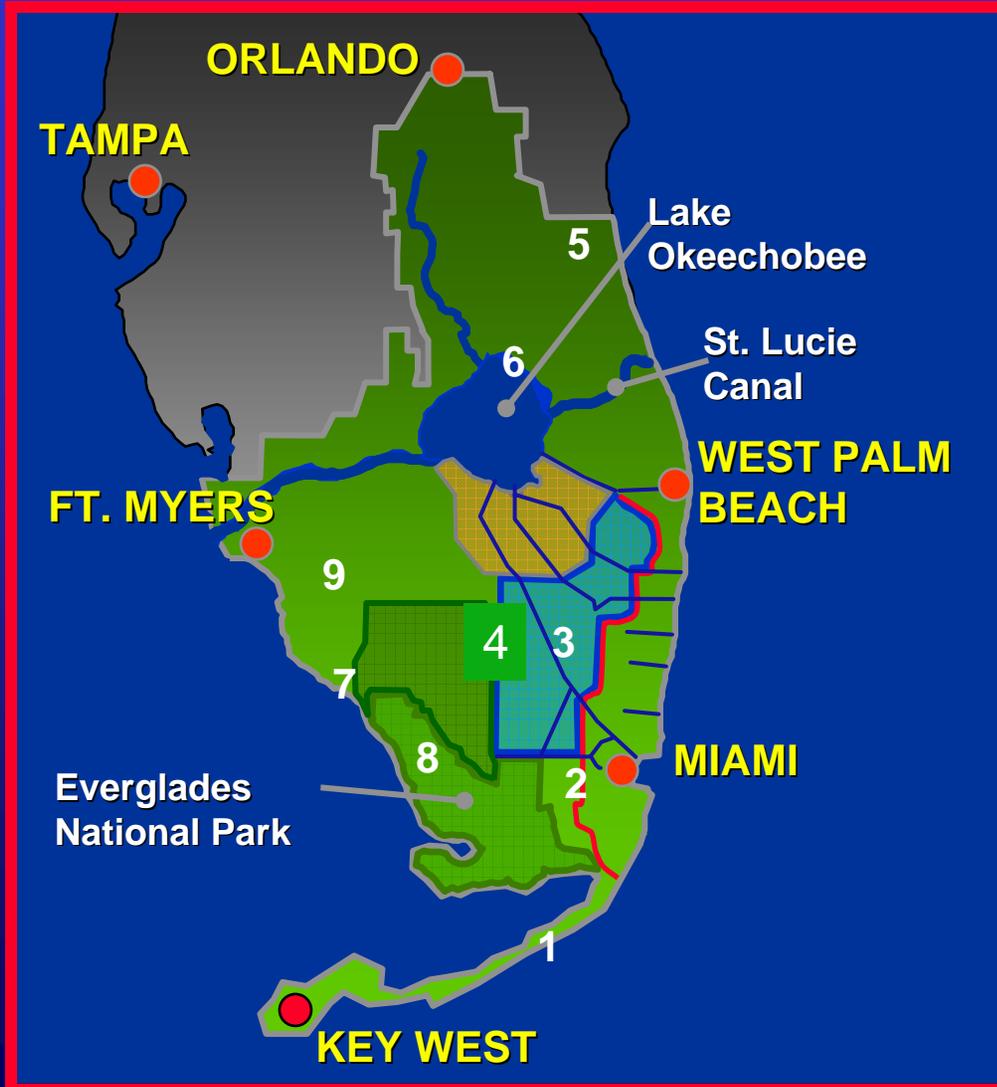
## Ongoing:

- Flood proofing work in Upper and Lower Basin
- Real Estate Acquisition to complete in Dec 05
- S-65D mod and S-83 & 84 Structures

## Upcoming:

- Construction of next backfill contract this fall
- Construction of Railroad Bridge modification
- Istokpoga canal work

# Critical Ecosystem Restoration Projects



## Completed:

- Keys Carrying Capacity Study
- C-4 Structure
- S-9a Pump Station & S-381 (C-11)
- Phase 1 of Seminole Big Cypress

## Ongoing:

- Construction of 10 Mile CK
- Construction of Lake Okeechobee Taylor Creek and Nubbin Slough STA's

## Upcoming:

- Construction of Phase 2 Big Cypress – Award Summer 05

## Deferred: Have reached program funding cap

- Southern Crew
- Tamiami Trail Culverts
- Lake Trafford

CENTRAL AND SOUTHERN FLORIDA PROJECT  
**West Palm Beach Canal (C-51) /  
STA 1E**

**Completed:**

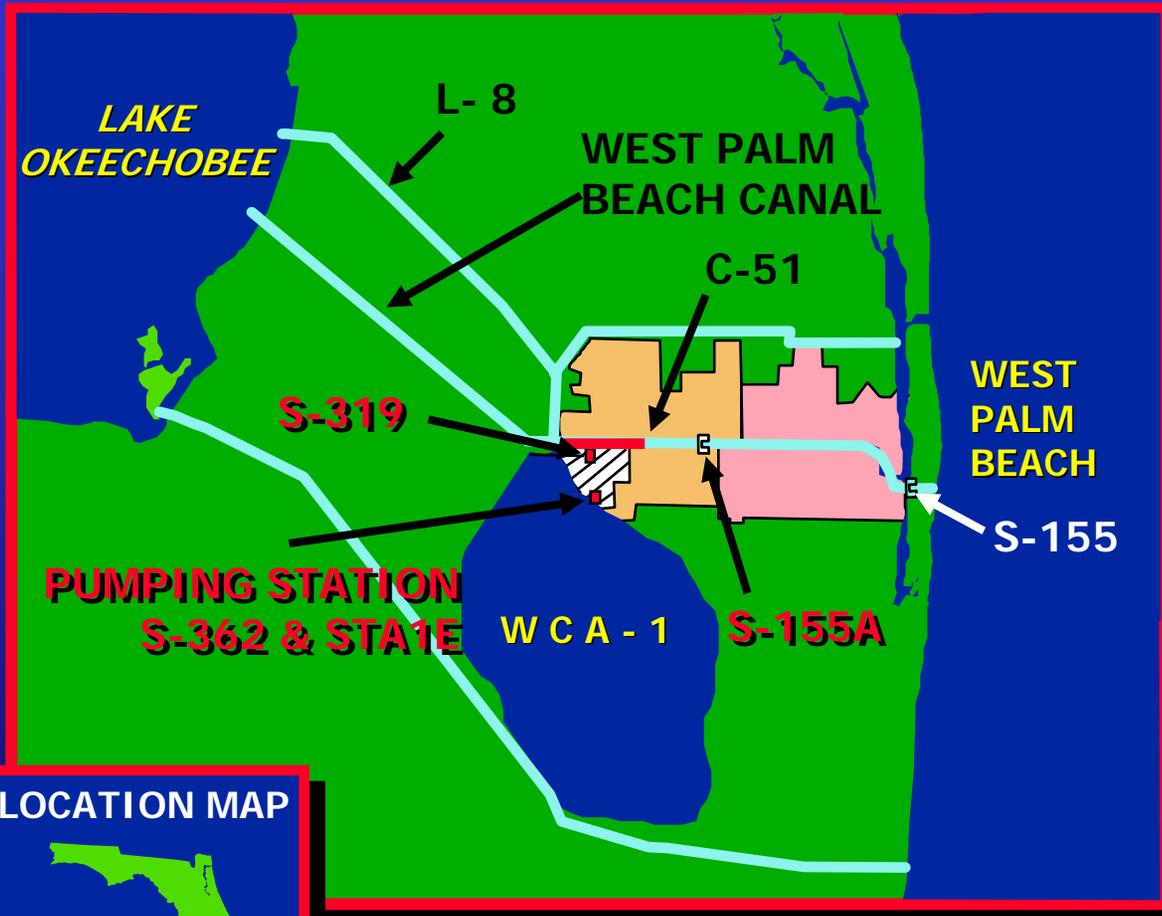
- S-155A Structure
- S-319 Pump Station
- S-362 Pump Station
- STA levees and internal structures

**Ongoing:**

- C-51 Canal Widening
- Hurricane Repairs
- Levee Topping
- Punch List
- PSTA Test Facility
- Water Control Plan

**Upcoming:**

- Start-up of STA operations
- Construction of L-40 Canal Mods
- Construction of PSTA Field Test this fall

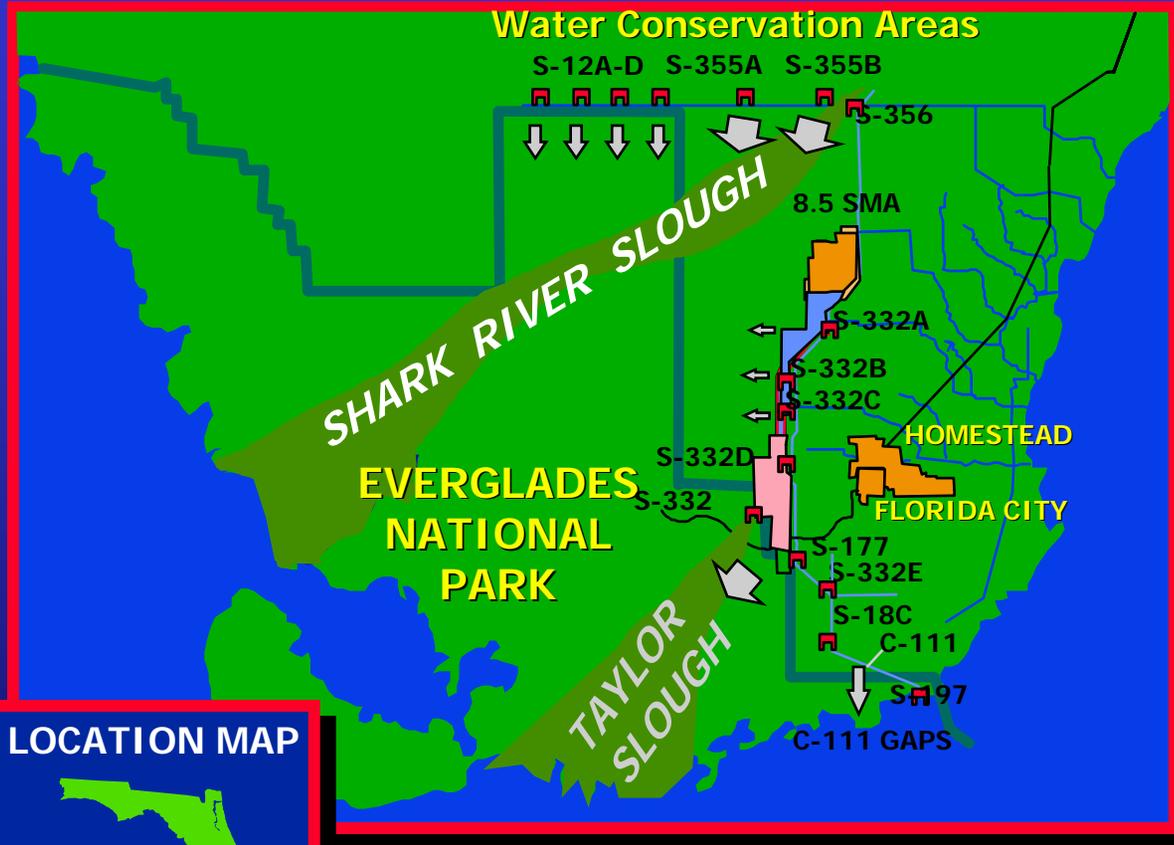


LOCATION MAP





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



## Completed:

- Pump Station S-332D
- Interim S-332 B&C Pump Stations
- Initial Phase of Frog Pond Detention Area
- S-332B & C Detention Basins

## Ongoing:

- Design of remaining and permanent Features
- Completion of C-111 GRR

## Upcoming:

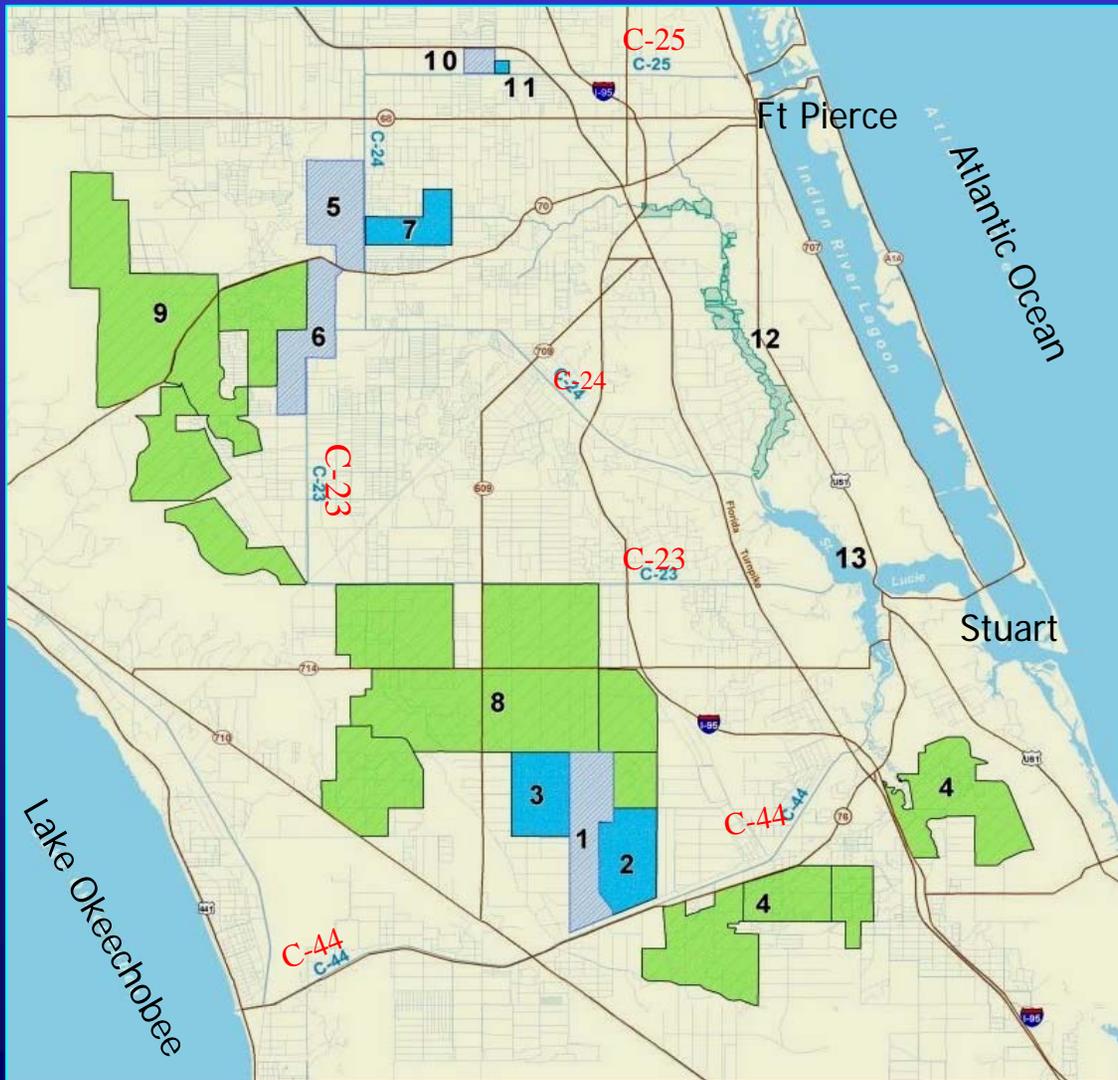
- ENP/SFWMD Land Swap
- Construction of S-331 Command Bldg
- Construction of Detention Basins
- Construction of permanent Pump Station

# Indian River Lagoon - South



the journey to restore  
**America's Everglades**

# Indian River Lagoon – South Restoration Plan



## Completed:

- PIR in March 2004
- Chief of Engineer's Report in August 04

## Ongoing:

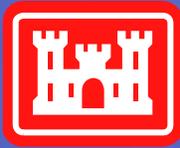
- ASA(CW) and Administration Review prior to transmittal to Congress
- Design of C-44 Reservoir
- Land acquisition

## Upcoming:

- Design of C-23/24 Reservoir/STA's

# **Indian River Lagoon – South Recommended Plan**

- **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**
  - **Alternative that mimics natural flow patterns within the project drainage basins**
- **Project Cost: \$1.2 Billion**



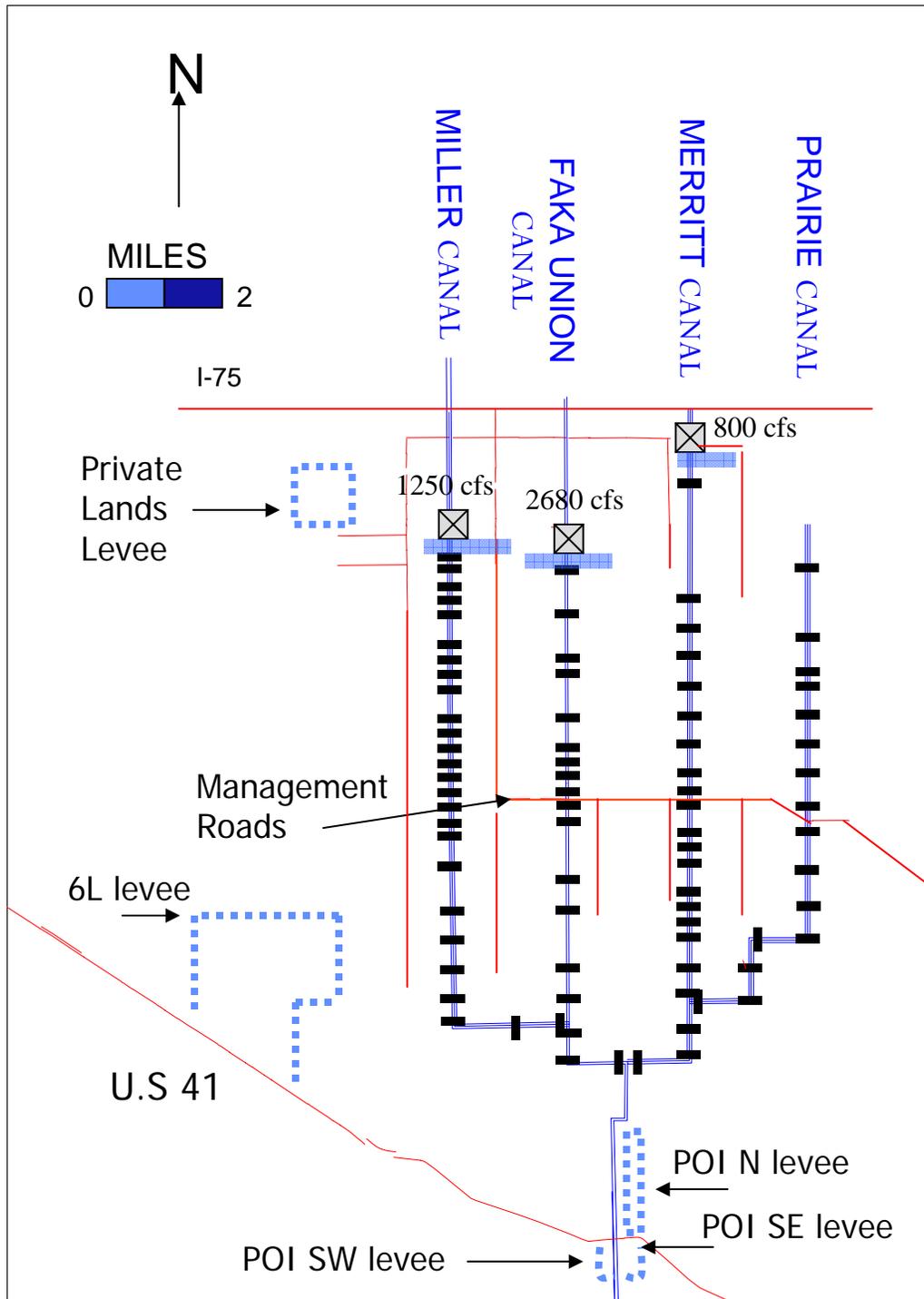
**US Army Corps  
of Engineers**  
Jacksonville District



# Picayune Strand Hydrologic Restoration

formerly referred to as “Southern Golden Gate Estates”

# Picayune Strand Restoration



**Plan:** 3 Pump Stations with spreaders, 83 canal plugs, 227 miles of road removal, 3 main flood protection levees

## Completed:

- PIR in Sept 2004
- State and Agency Coordination
- Construction of Prairie canal plugs by SFWMD

## Ongoing:

- Preparation of Chief's Report
- Land acquisition
- Design of recommended features
- Cultural Resource Survey

Picayune Strand

**Alternative 3D**  
***The Recommended Plan***  
**Summary of Project Benefits**

**Project will restore and enhance the following:**

- **freshwater flows to estuaries**
- **upland/wetland habitat in watershed**
- **pre-drainage watershed flow pattern to a sheet flow condition**
- **habitat for endangered/threatened species (panther, woodstork, etc.)**
- **increase groundwater levels**

# Estimated Costs

<b>Construction Costs</b>	<b>\$124,946,000</b>
<b>Preconstruction, Engineering, Design</b>	<b>\$11,369,000</b>
<b>Construction Management</b>	<b>\$12,633,000</b>
<b>Monitoring During Construction</b>	<b>\$7,431,000</b>
<b>Land Acquisition</b>	<b>\$193,043,000</b>
<b>Total Project Cost</b>	<b>\$349,422,000</b>

# Aquifer Storage & Recovery Pilots



# **Pilot Project Status**

## **ASR Pilots:**

**Pilot Project Design Report approval. Field Investigations to begin this fall pending funding**

## **L-31 Seepage Management Pilot:**

**Developing plan to relocate pilot test to southern end of L-30 to control seepage**

## **Wastewater Reuse Pilot:**

**On hold pending resolution of discharge area and Support position by sponsor**

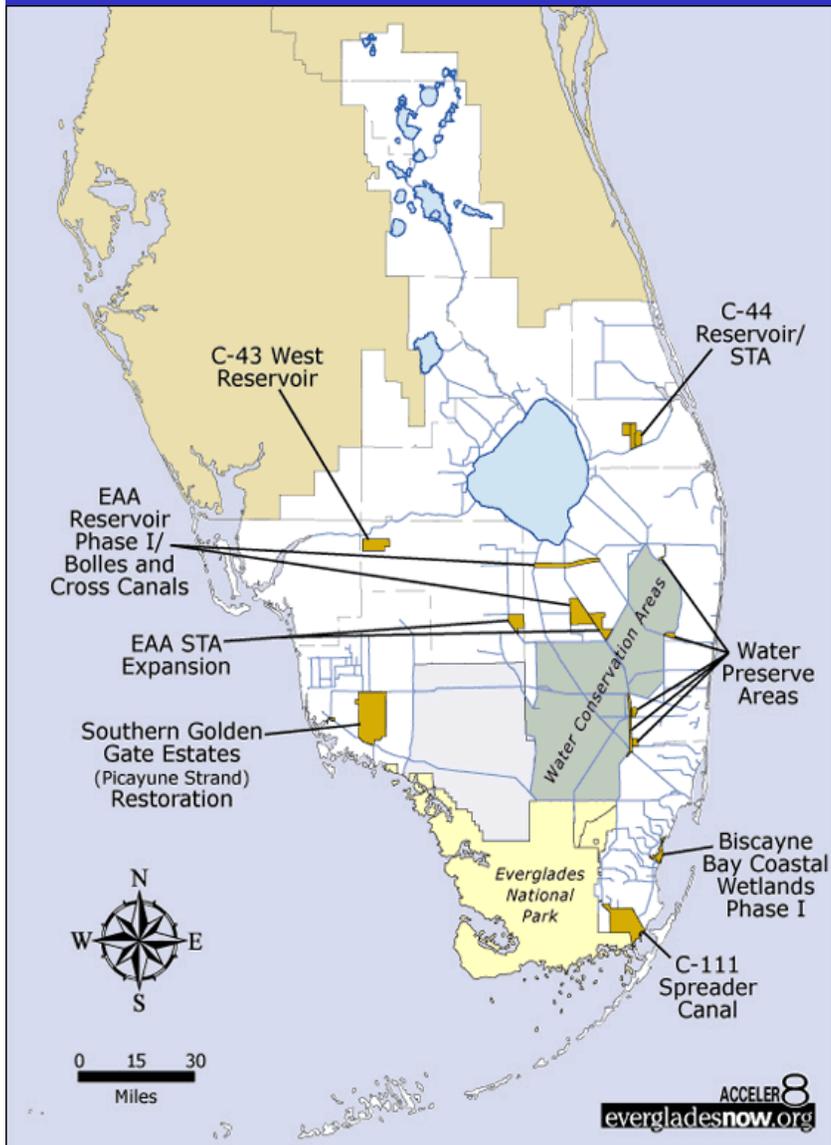
## **Lake Belt Storage:**

**On hold due to timing & availability of resources.**

# Other Efforts

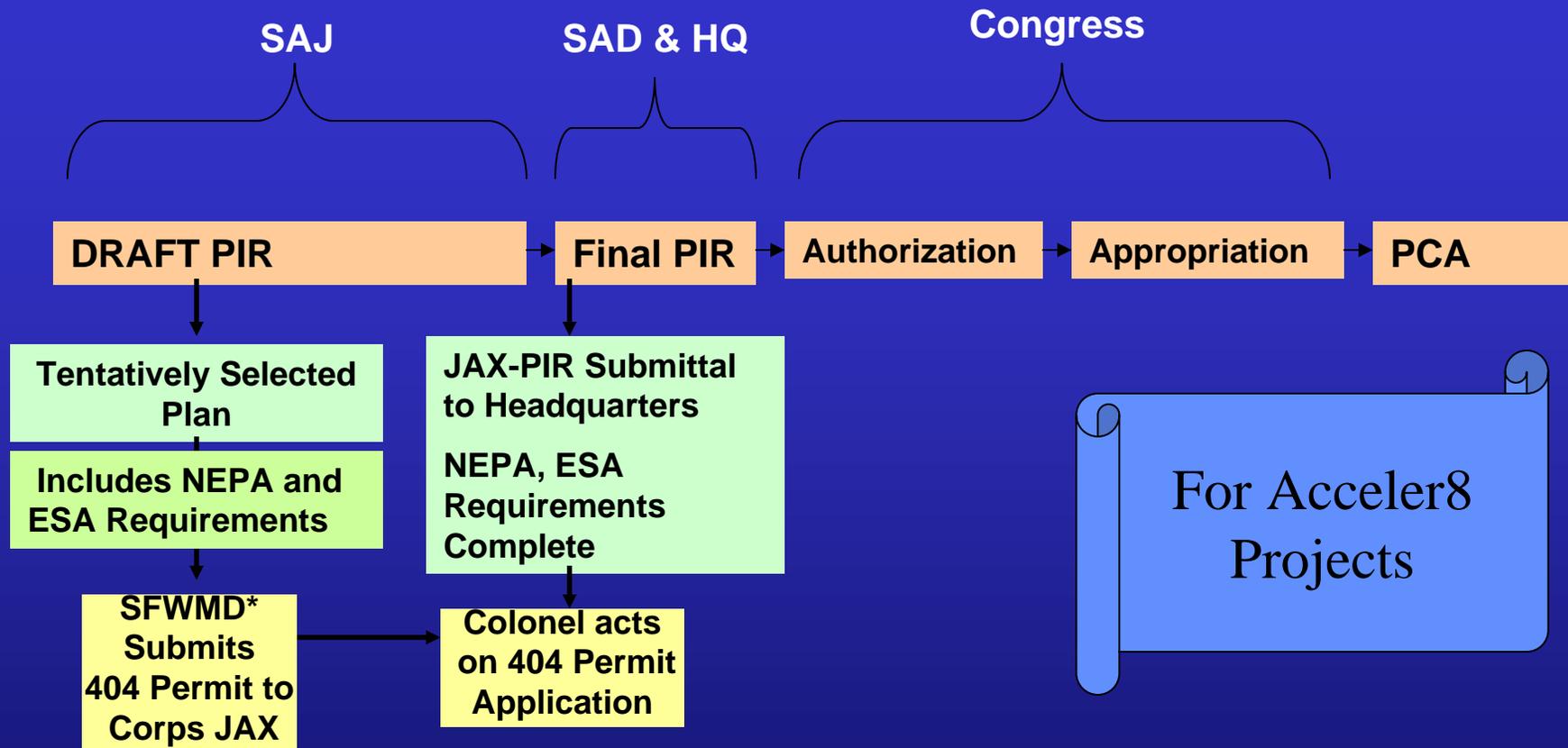
- Decomp – PDT is working to identify pilot efforts to assist in developing long term plan for Decomp
- Comprehensive Water Quality Feasibility Study – Feasibility Cost Sharing Agreement being revised to reflect final guidance and agreement. Study to commence following execution of agreement
- Special Report on Exotics being prepared in draft now.

# State of Florida Accelerate Projects



- **IRL S – C44**
- **Picayune Strand**
- **C-43 Storage Reservoir**
- **EAA Storage Reservoir**
- **Biscayne Bay Coastal Wetlands**
- **C-111 Spreader Canal**
- **WPAs**
  - **Site 1**
  - **C-9**
  - **C-11**
  - **Seepage Management**
  - **Acme B**
- **EAA STAs (B&C)**

# PIR and 404 Process Comparison



\*SFWMD coordinates with Corps and FWS throughout 404 process and federal agencies dedicate necessary staff for timely review and approval.

# Two Key Milestones

- Tentatively Selected Plan
  - SFWMD Continues Beyond 30% Design
  - SFWMD Submits 404 Permit Application
- Division Engineer Signs Final PIR
  - Colonel Acts on 404 Permit Application after 30 day review period and analysis of comments on final report
  - SFWMD Initiates Construction

# **Independent Scientific Review Panel**

- **New Panel to Review Plan's progress towards achieving natural system restoration goals and produce biennial report to Congress**
- **Interagency agreement and cooperative agreement executed in June**
- **NAS appointed 14 members to serve on Independent Scientific Review of Everglades Restoration Progress (CISRERP)**
- **First meeting of panel held on October 25-26 in Jacksonville focused on getting organized and defining scope and areas of concern**
- **Second Meeting held on 3-4 Feb in Ft Lauderdale at Sheraton, focus on modeling**
- **3<sup>rd</sup> Meeting held 24-25 April in Miami with focus on southern end of system**



# **Master Implementation Sequencing Plan Key Points**

- **Projects are linked according to physical dependencies, called technical constraints**
- **Projects are sequenced to avoid savings clause violations**
- **Projects are sequenced to afford earliest restoration benefits**
- **Projects are staggered to achieve Federal cash flow of around \$200 million per year, as contained in Restudy report to Congress**

# Master Implementation Sequencing Plan (MISP)

Final Draft Posted to internet on 31 March

- Includes modifications that resulted from some of the comments received, most notably:
  - Better definition of remaining parts of an Acceler8 project that are to be constructed by Corps
  - Refinement in the Indian River Lagoon land acquisition schedule to reflect staged acquisition
  - Final Draft posted, but will require revisions as projects move forward and funding becomes available



# **MISP – Band 1**

## **Construction complete by 2010**

### **Pre Accelerate/Streamline**

- ASR Pilot Projects
- L-31 N Pilot
- C-44 Reservoir
- Picayune Strand (SGGE)
- EAA Reservoir
- C-111 Spreader
- Hillsboro Site 1 Impoundment
- WCA 3A/3B Seepage Mgt
- Acme Basin B

### **Post Accelerate/Streamline**

- C-43 Reservoir
- C-9 Impoundment
- C-11 Impoundment
- C-23/24 Reservoir/STA
- Melaleuca and Exotic Plant Control
- Winsberg Farms
- Biscayne Bay Coastal Wetlands – Part 1
- Taylor Creek/Nubbin Slough
- Lakes Park



# Interim Goals and Interim Targets/Pre CERP Baseline

- RECOVER document on interim goals/interim targets recommendations completed
- Agreement being drafted.
- Meeting held on 6 May to develop final draft of agreement
- Subsequent meeting to be held with RECOVER regarding predictions and interim goals
- Draft Agreement tentatively scheduled to be posted this month for review and comment
- \* Note: Current Interim Goals and Targets are based on 1999 modeling with current sequencing plan

**Central & Southern Florida Project**

**COMPREHENSIVE  
EVERGLADES  
RESTORATION PLAN**

**2005 REPORT TO CONGRESS**

# Background

- **Required by Section 601(l) of WRDA 2000**
- **Detailed Report Requirements in 33 CFR Section 385.40 of the Programmatic Regulations for the Comprehensive Everglades Restoration**
- **Submitted jointly by the Secretary of the Army and the Secretary of the Interior**

# Coordination

To be prepared in consultation with the:

South Florida Water Management District,  
Environmental Protection Agency,

Department of Commerce, Seminole Tribe of  
Florida, Miccosukee Tribe of Indians of  
Florida, Florida Dept. of Environmental  
Protection, Other Federal, State and local  
agencies, and the South Florida Ecosystem  
Restoration Task Force

Opportunity for public review and comment will  
be provided

# **CERP 2005 Report to Congress**

## **Drafting Team Reps from:**

- **USACE**
- **USDOI – FWS, NPS & SFERTF**
- **USEPA**
- **SFWMD**
- **FDEP**

# **CERP 5-yr Report to Congress Overview**

- **Initial Report to Congress due Oct. 1, 2005**
- **Describe initial 5-year work and costs**
- **Describe initial 5-yr interim goals/targets progress**
- **Forecast next 5-year work and costs**
- **Forecast next 5-yr interim goals/targets progress**
- **Update total & individual component (*Project*) costs**
- **Review specified public outreach and environmental and economic equity actions**

# Overview (cont.)

- **Include the determination of Secretaries of the Army and Interior, and the Administrator of the EPA, concerning the benefits to the natural system and the human environment during the reporting period and whether the completed projects of the Plan are being operated in a manner that is consistent with the Assurance of Project Benefits section of WRDA 2000 .**

# Work Completed

- **Initial report period: 4/07/99 thru 5/30/05**
- **Expenditures period: thru end of FY04**
- **Describe planning, design & construction work completed**
- **Describe funds expended, including a detailed analysis of funds expended for adaptive management**
- **Describe work anticipated over the next five-year period**

# Financial Report

- Update estimate of the total cost of the Plan
- Update estimates for individual component costs (*use individual project costs*)
- Explain any changes from the initial estimates contained in the “Final Integrated Feasibility Report and Programmatic Environmental Impact Statement,” dated April 1, 1999.

# **Interim Goals & Targets Assessment**

- **Identification of Interim Goals and Interim Targets**
- **Interim Goals and Interim Targets to be achieved in the next five years**
  - **Future reports will discuss performance of Plan in achieving these interim goals and targets**
  - **Future reports will discuss shortfalls in meeting interim goals and recommendations for improving performance and deviations from interim targets**

# Public Outreach

- **Review of the activities performed by the Secretary pursuant to the Outreach and Assistance section of WRDA 2000 and the public outreach and environmental and economic equity sections of the Programmatic Regulations**

# **Report Schedule**

- **May 05 – Draft Report**
- **May 05 – Informational Report to Task Force**
- **May/Jun 04- Public Input and consultation**
- **Jul 05 – Final Report**
- **Aug 05 – Transmittal by DOA/DOI to Congress**

**Questions?**

