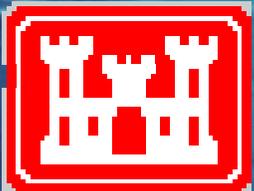


# Working Group Water Projects and Initiatives Report



Jacksonville District  
U.S. Army Corps of Engineers  
May 2002

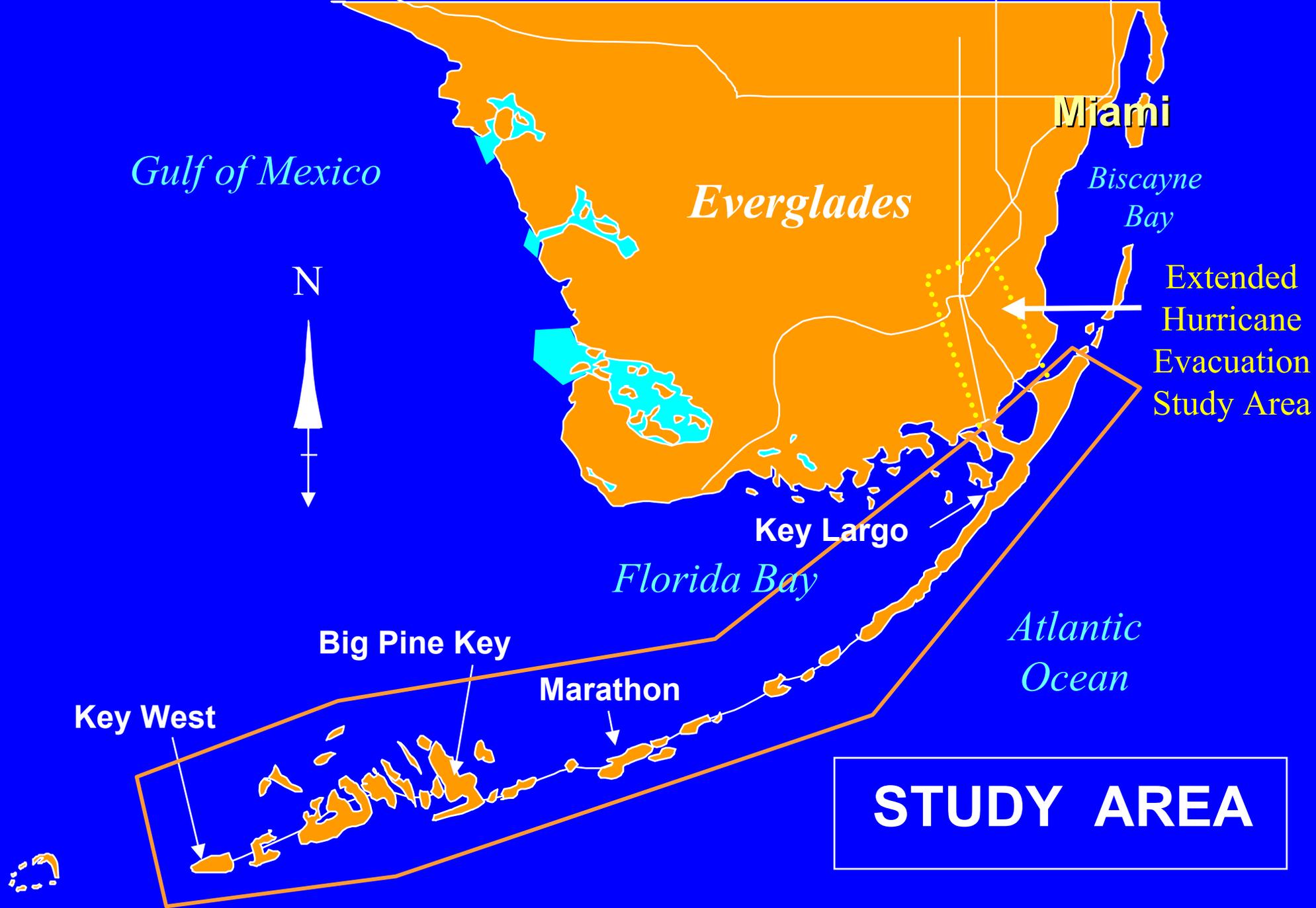


US Army Corps  
of Engineers  
Jacksonville District



# Florida Keys Carrying Capacity Study





# STUDY PARTNERS

- **Florida Department of Community Affairs**  
**Florida Administration Commission Rule 28.20-100**
- **U.S. Army Corps of Engineers**  
**Water Resources Development Act of 1996**
- **Monroe County / Local Municipalities**

# Where are we?

- **Draft FKCC Model reviewed by study team and by the NAS**
- **Apr 02 – Public Workshops**
- **Revising model and report to address comments and update input files**
- **All modules to be included except Marine module. Canal and confined areas to be addressed in model**
- **Revised output available by end of May – to be posted on website**
- **Final report in July 02 - Transfer to Sponsor**

# Indian River Lagoon Feasibility Report Status

- **Draft Report Released late last year**
- **Several Public Meetings and Workshops held**
- **Final Report to be Released - June 2002**
- **Recommended for inclusion in WRDA 2002**

# **Water Preserve Areas STATUS**

- **Draft Report released late last year**
- **Public Meetings**
- **Final Report being prepared – due out by end of June**
- **Recommended for inclusion in WRDA 2002**

# **Southern Golden Gate Estates Project Implementation Report Status**

- **Draft Report Not Yet Released**
- **Primary Issues are avoidance of adverse flood impacts north of I-75 and consistency with PIR as to be defined in Programmatic Regulations**
- **Final Report Late this year at earliest**
- **Still Recommended for inclusion in WRDA 2002, potentially as contingent authorization**

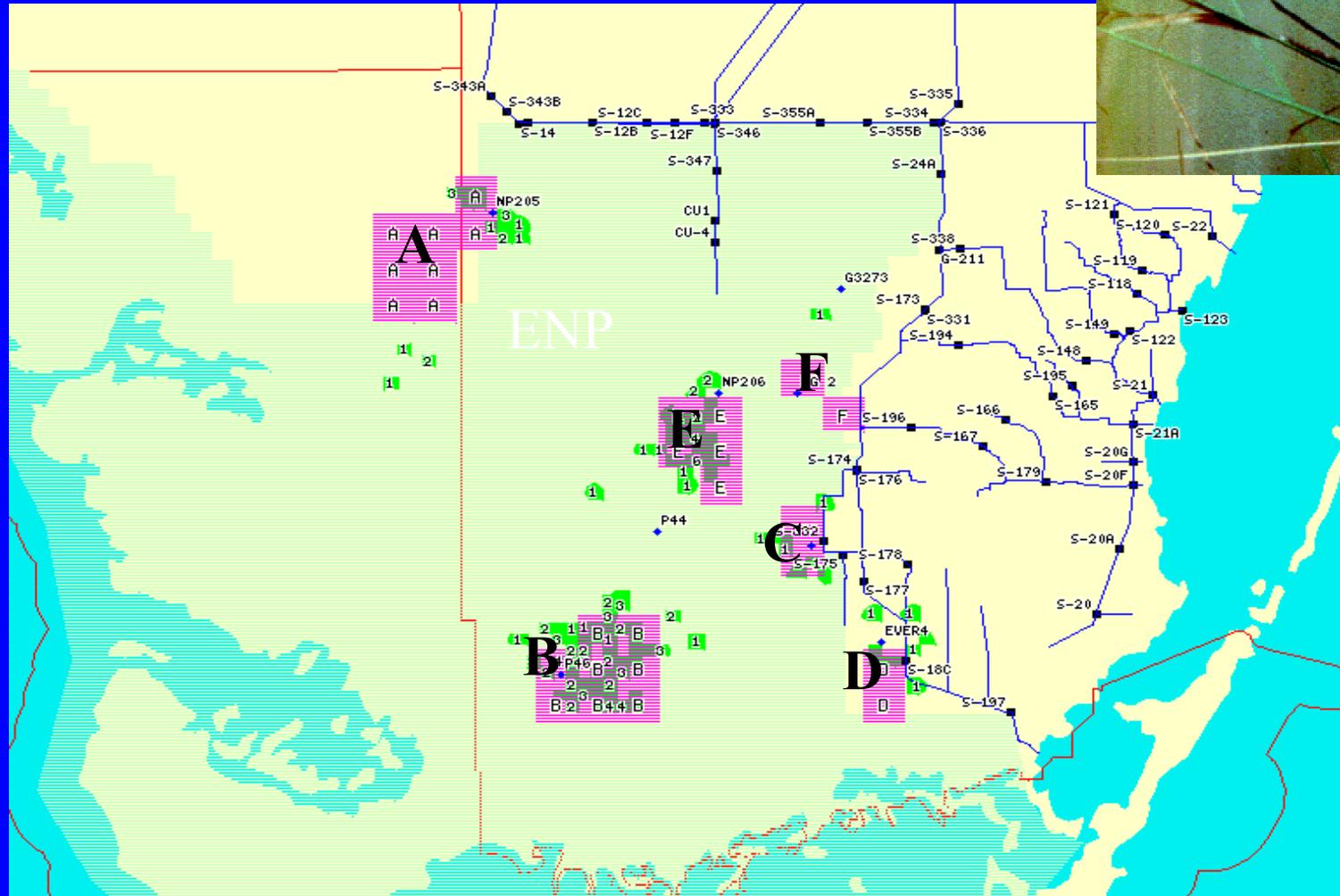
# Other Hot Topics

- **C-4 General Re-evaluation Report – First Step ongoing to determine status of constructed project and flood protection provided by existing works**
- **Miami-Dade Flood Control Study – Approved for initiation**
- **Florida Keys Water Quality Initiative - Preparation of Implementation Plan approved. Funds provided by Congressional add, future efforts dependent upon future funding.**
- **Comprehensive Water Quality Feasibility Study – Project Management Plan for Study being developed, expect completion late this year with execution of Cost Share agreement and initiation of study in January 2003.**

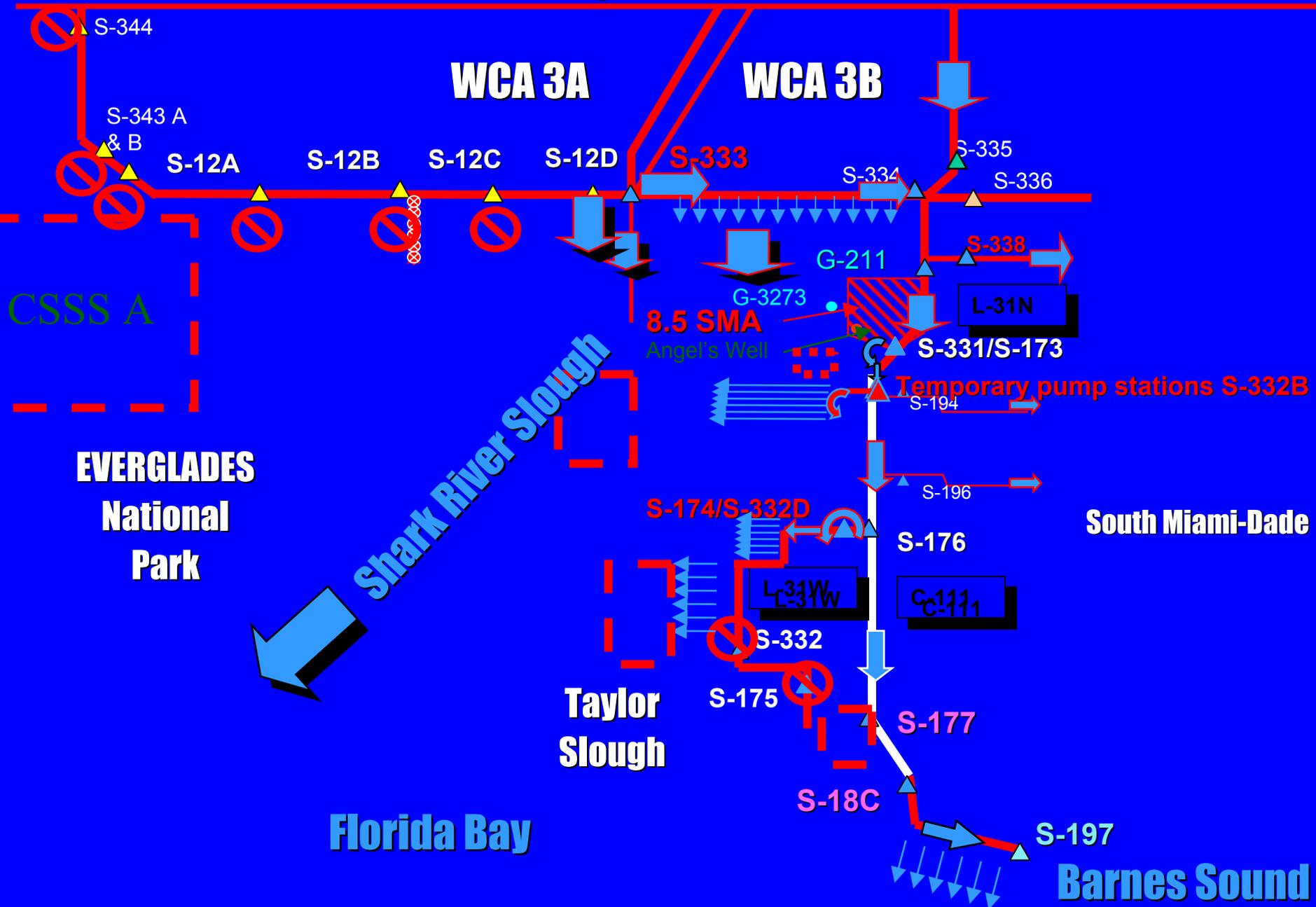
# Other Hot Topics

- **Master Implementation Schedule Update – Targeting July to provide update. Miami-Dade Flood Control Study – Approved for initiation**
- **Initial CERP Update – The purpose is to incorporate updated version of 2x2 model. Add new topo, updated performance measures, additional 5 years of data, status of changes since 1999 report. Process is now underway. Detailed presentation planned for June on steps and input points.**
- **PDT Workshop held on April 18-19 – Handouts, results, etc., posted on [www.evergladesplan.org](http://www.evergladesplan.org)**

# Interim Structural and Operational Plan



# Current Operations ISOP - 2001



# Proposed Interim Operational Plan

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- **L-31N Canal Levels - Two Modes of Operation**
  - When bypassing water from WCA-3A slight increase in canal levels above ISOP but less than Test 7 Phase 1
  - When not bypassing water, levels up to Test 7 Phase 1 levels, similar to levels of 3 years ago
- **Modifications to S-333 to increase discharge capacity**
- **Pre Storm Draw down Operations**

# Next Steps

- **Apr 02 - Final IOP EIS**
- **May 02 - Public Comment Period, workshop on 21 May**
- **Jun 02 - Record of Decision**
- **May – Apr 02 – Prepare NEPA document addressing pump operations and potential WCA 3B discharge for S-356**
- **Mar – Jun 02 – Complete modeling of IOP**
- **System operational on 1 July 02**

# **Accelerated Construction of C-111 and MWD Features**

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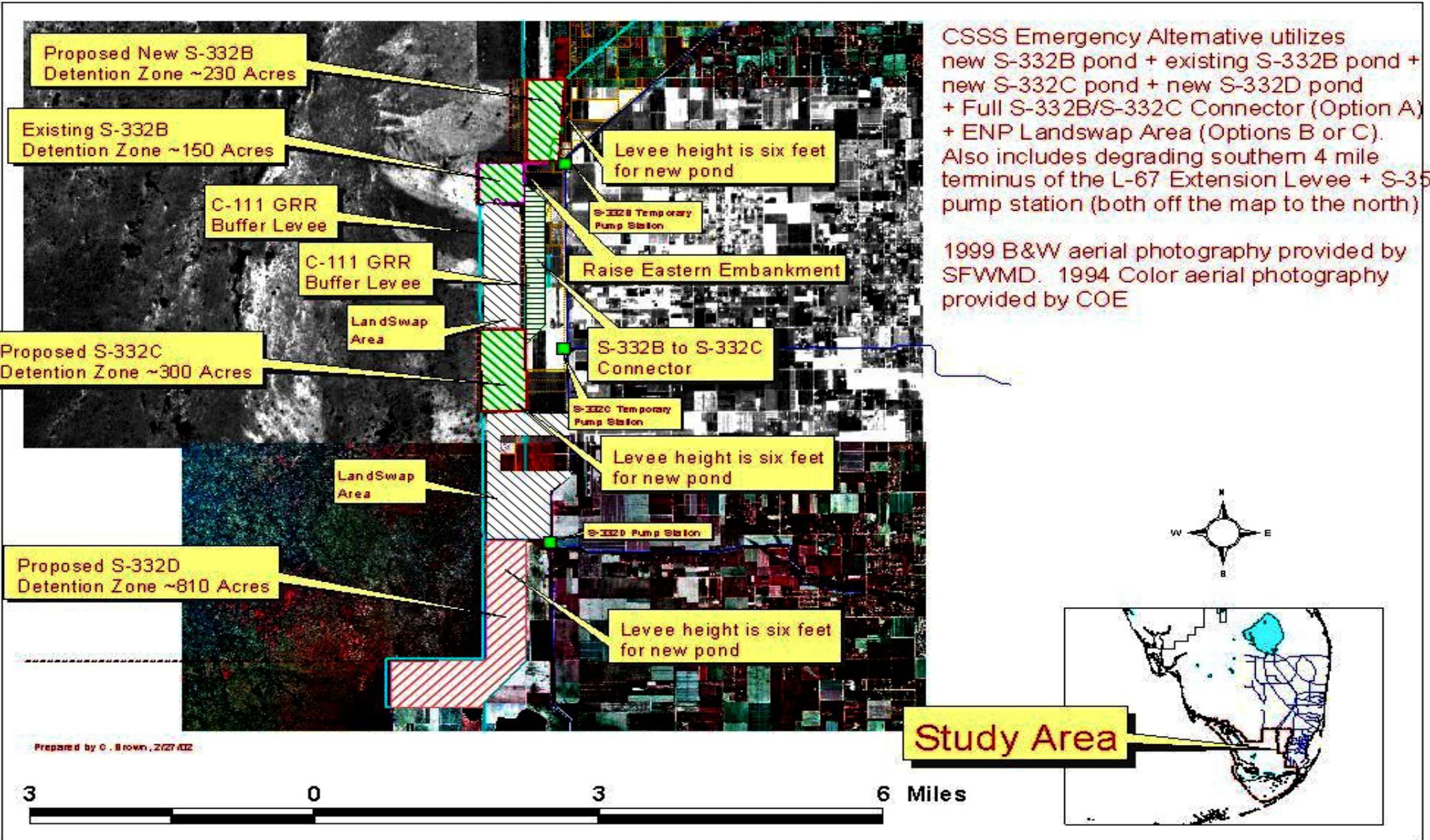
- Construction of temporary pump station at S-332C location – 575 cfs pump**
- Construction of temporary detention basin for S-332C and S-332D**
- Construction of temporary connecting buffer area between S-332B and S-332C**
- Construction of additional S-332B detention area**
- Construction of temporary S-356 pump station with 500 cfs capacity discharging into L-29**
- Removal of southern 4 miles of L-67 ext levee**

# Construction Status

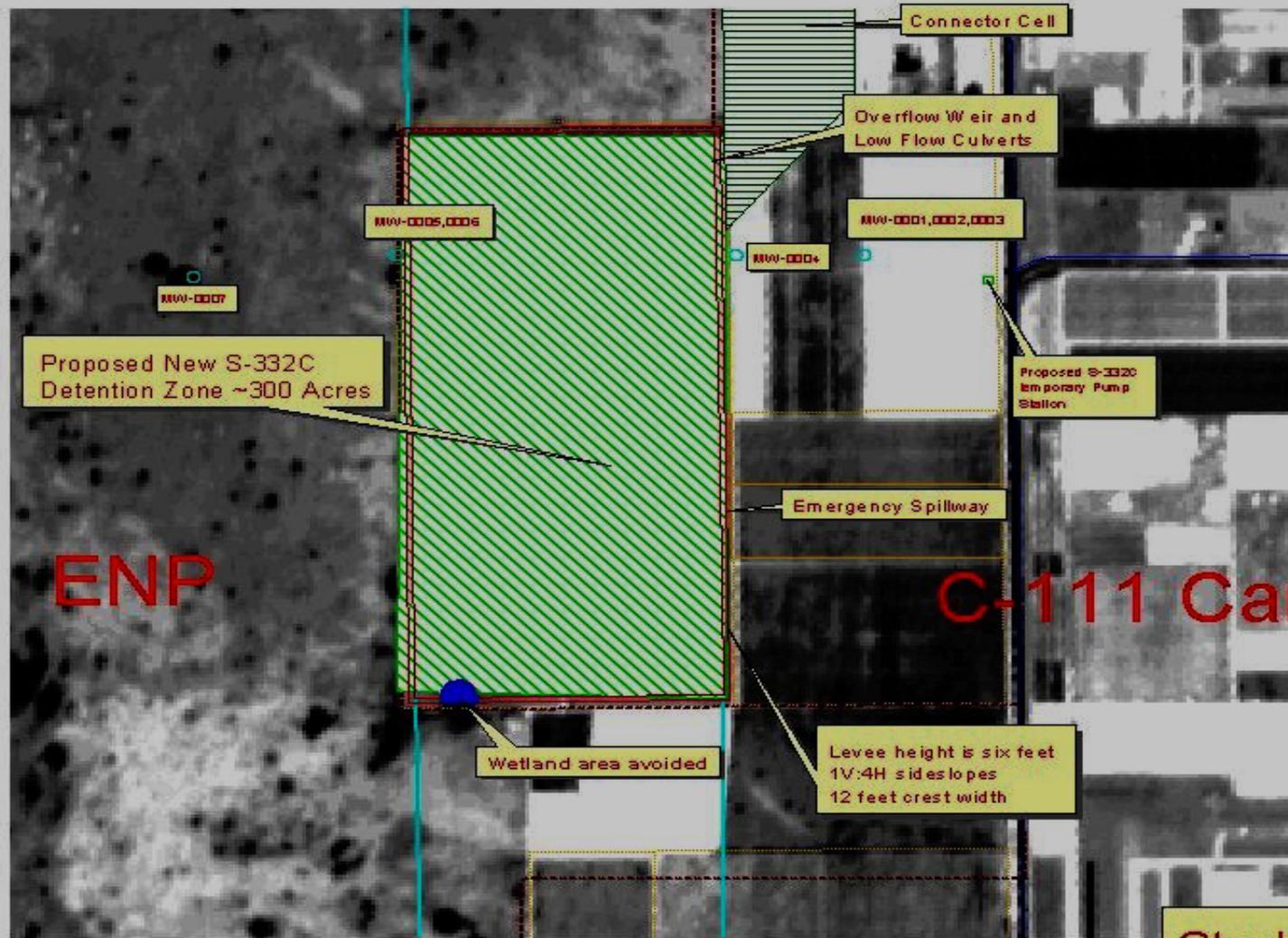
- **Contract Awarded on March 25**
- **Target Completion is June 28**

# Figure 2-1: Project Overview Map

Prepared by the U.S. Army Corps of Engineers



# Figure 2-3: S-332C Project Area Prepared by the U.S. Army Corps of Engineers

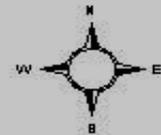


CSSS Emergency Alternative features on this map include the new S-332C temporary pump station + new S-332C pond + the southern portion of the S-332B/S-332C Connector

1999 B&W aerial photography provided by SFWMD. 1994 Color aerial photography provided by COE

## LEGEND

-  Parcel boundaries
-  New S-332C Pond levee
-  Proposed groundwater monitoring well

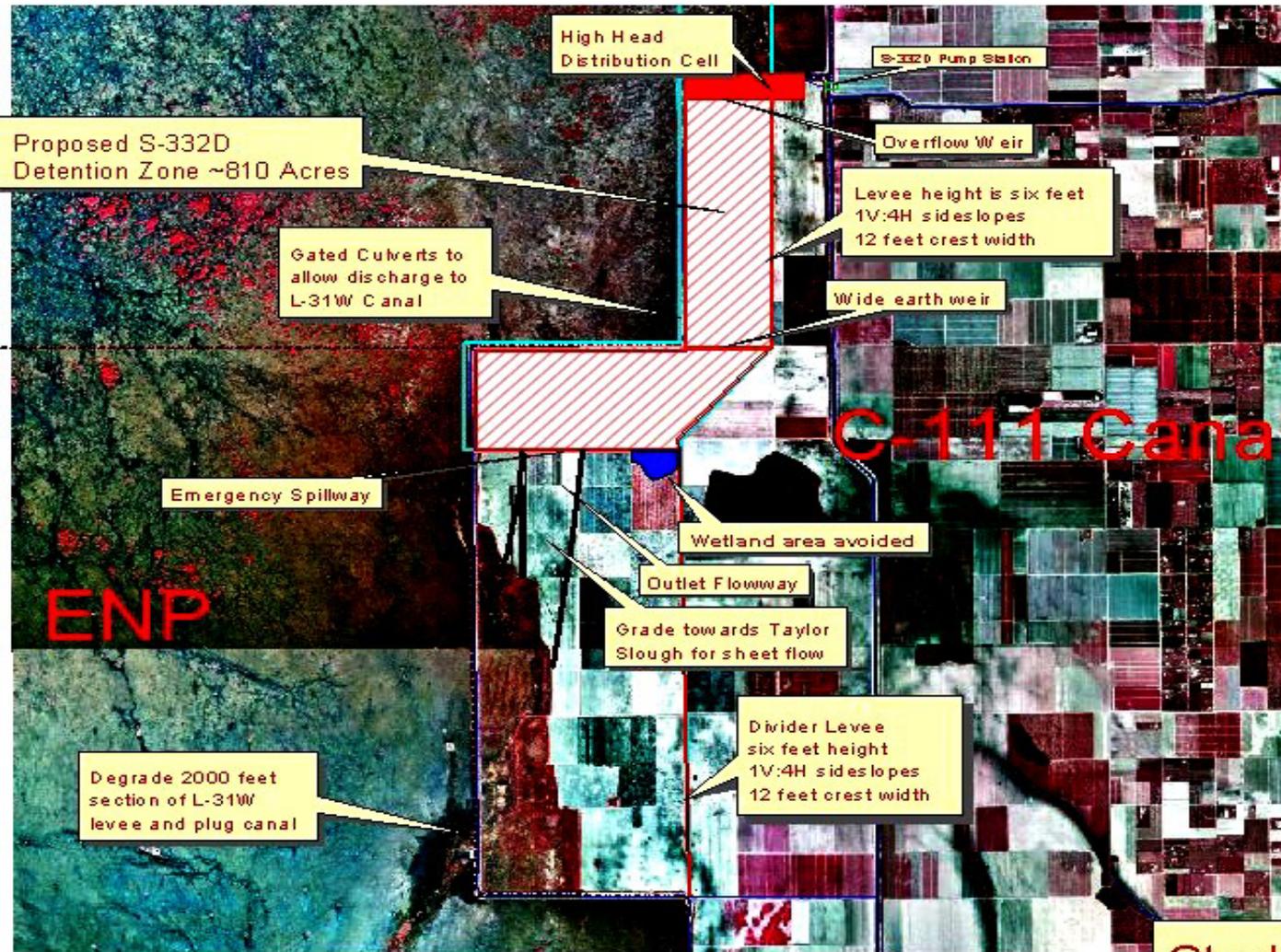


Study Area

Prepared by C. Brown, 2/27/02



# Figure 2-4: FrogPond/S-332D Project Area Prepared by the U.S. Army Corps of Engineers

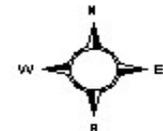


CSSS Emergency Alternative features on this map include the new S-332D pond

1999 B&W aerial photography provided by SFWMD. 1994 Color aerial photography provided by COE

## LEGEND

-  Parcel boundaries
-  New S-332D Pond levee



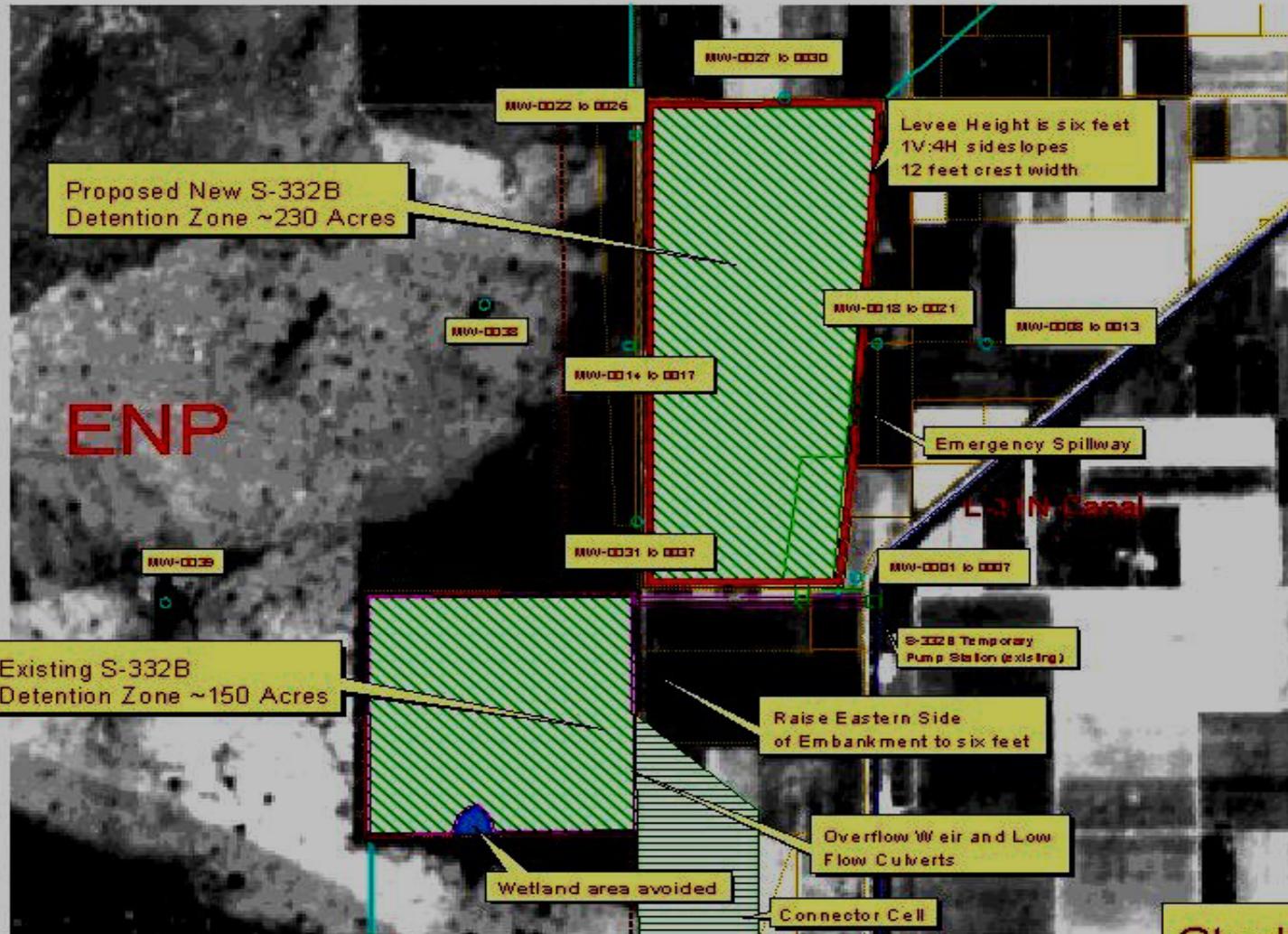
**Study Area**

Prepared by C. Brown, 2/27/02



# Figure 2-2: S-332B Project Area

Prepared by the U.S. Army Corps of Engineers

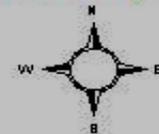


CSSS Emergency Alternative features on this map include the new S-332B pond + existing S-332B pond + the northern portion of the S-332B/S-332C Connector

1999 B&W aerial photography provided by SFWMD. 1994 Color aerial photography provided by COE

## LEGEND

-  Parcel boundaries
-  New S-332B Pond levee
-  Existing S-332B Pond levee
-  Proposed groundwater monitoring well



Study Area

Prepared by C. Brown, 2/27/02



# The Future - CSOP

- **Combined Structural and Operational Plan**
- **Being developed for operations with MWD and C-111 in place**
- **Facilitated Collaborative Process being employed with expanded interagency team – Late June, July timeframe for kickoff**