

# Comprehensive Everglades Restoration Program

## Construction Project Status

Joint Working Group (WG) and  
Science Coordination Group (SCG)  
January 31, 2013

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USACE – Jacksonville District



# CERP Implementation

## 1<sup>st</sup> Generation

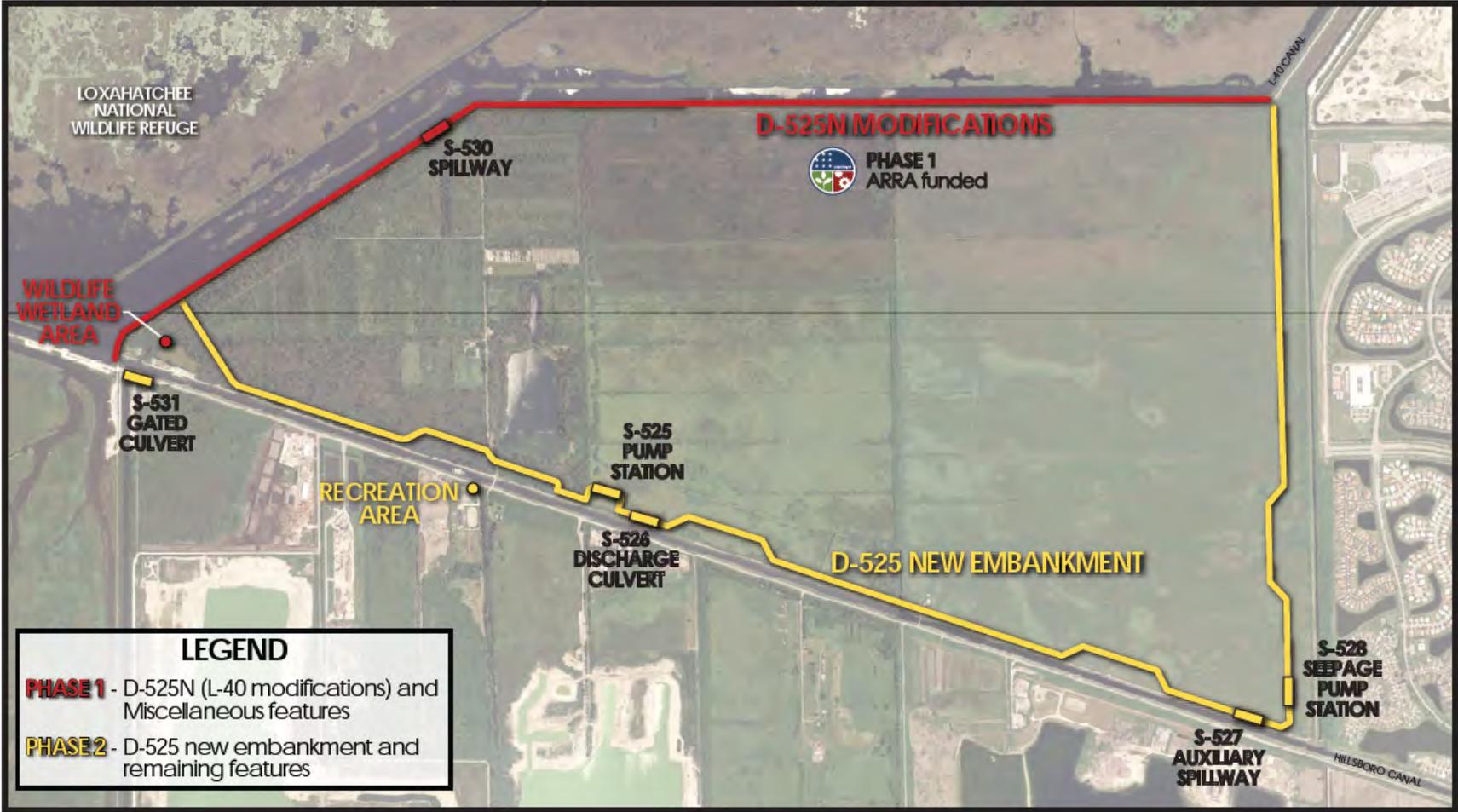
- Site 1 Impoundment
- Indian River Lagoon – South (IRL-S), C-44
- Picayune Strand Restoration Project
- Melaleuca Eradication and Other Exotic Species

## 2<sup>nd</sup> Generation

- C-43 West Basin Storage Reservoir
- C-111 Spreader Canal Western Project
- Biscayne Bay Coastal Wetlands
- Broward County Water Preserve Area
- Central Everglades Planning Project



# Site 1 Impoundment



Project Purpose: Improve water deliveries to Hillsboro Canal by capturing and storing water in above ground reservoir (13,280 acre-feet capacity)



# Site 1 Impoundment



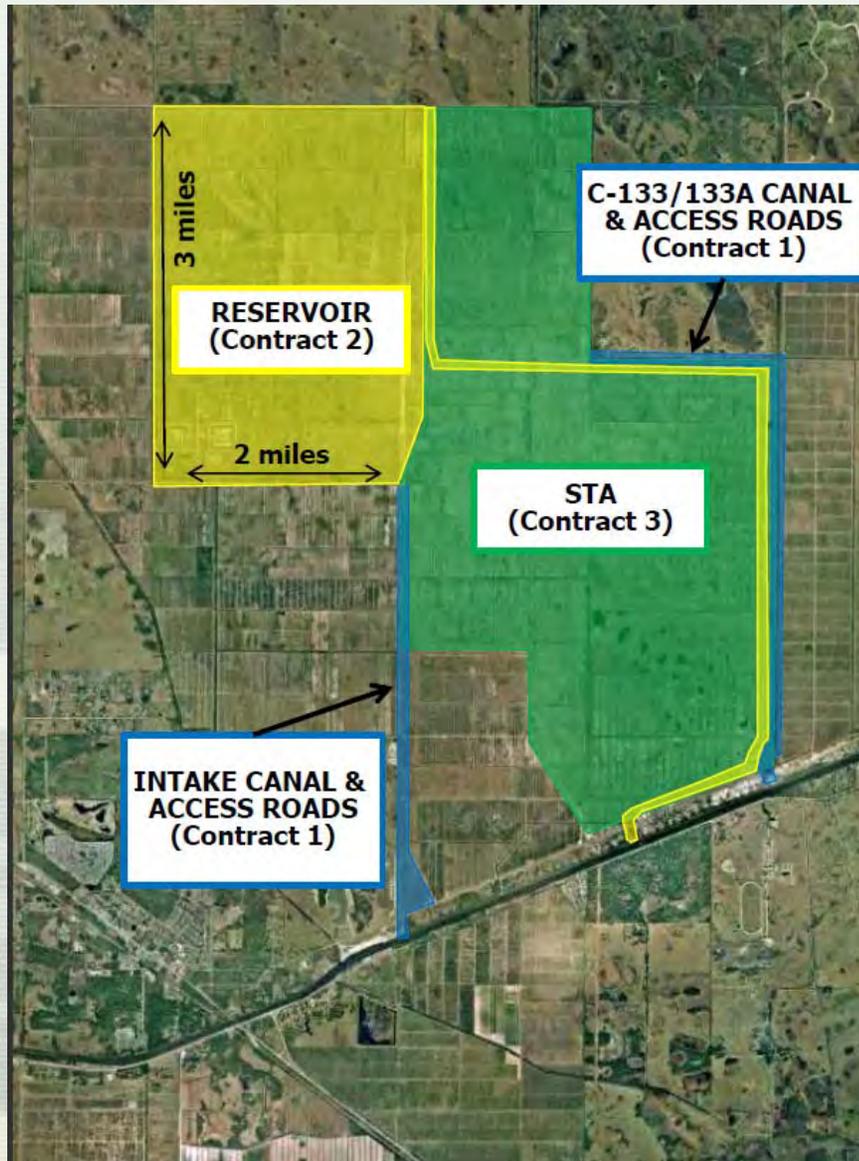
- Phase 1: Construction initiated in FY2010; Scheduled for completion in December 2014
- Phase 2: Implementation schedule TBD



# Indian River Lagoon – South (IRL-S): C-44 Reservoir/STA



# Indian River Lagoon – South (IRL-S): C-44 Reservoir/STA



**Contract 1:** Construction contract award = July 2011

- Features: Intake canal, project access road, Citrus Blvd bridge
- Complete construction = May 2014

**Contract 2:** Construction contract award = Scheduled for August 2014

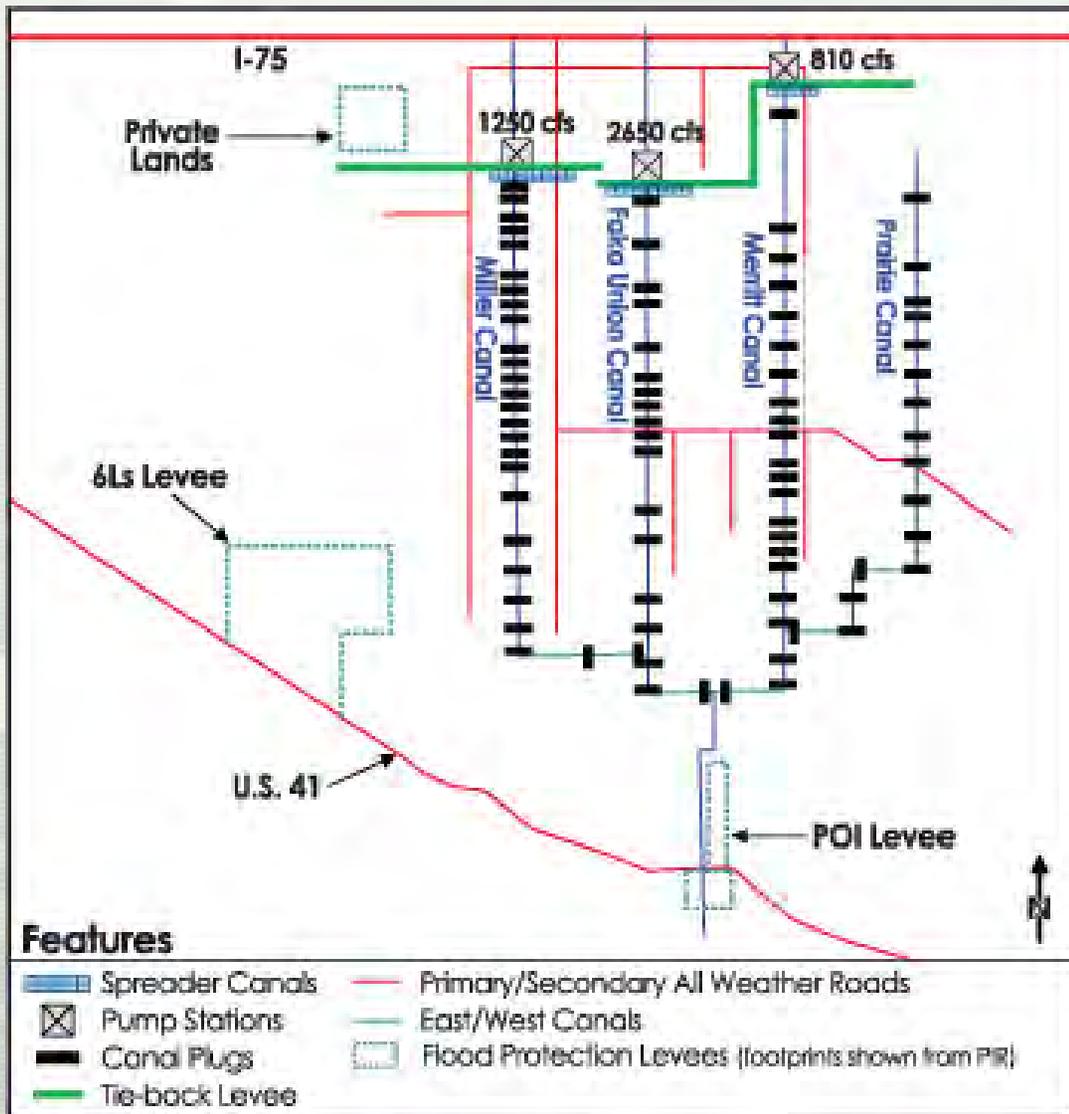
- Features: Reservoir, pump station, discharge canal

**Contract 3:** Construction contract award = Scheduled for FY2017

- Features: Stormwater Treatment Area (STA) cells



# Picayune Strand Restoration Project



## PROJECT FEATURES

- Three spreader canals
- Three pump stations: Merritt, Faka Union and Miller
- Plugging 48 miles of canals (with more than 100 plugs to block the flow)
- Removing and degrading 260 miles of crumbling roads
- Managing non-native vegetation
- Features to maintain current levels of flood protection (levees, canals and culverts)
- Features to mitigate effects of manatee refugium at the Port of the Islands Marina



# Picayune Strand Restoration Project

## Merritt Pump Station



### Features:

- 810-cubic feet per second (cfs) pump station, spreader canal and tie-back levee
- Plug 13.5 miles of canals to block flow
- Remove and degrade 95 miles of roads and tram roads



# Picayune Strand Restoration Project Faka Union Pump Station



## Features:

- 2,650-cfs pump station, spreader canal and tie-back levee
- Plug 12 miles of canal to block flow
- Remove 100 miles of roads



# Melaleuca Eradication and Other Exotic Plants



- Joint effort of the U.S. Army Corps of Engineers, U.S. Department of Agriculture, U.S. Department of Interior, South Florida Water Management District and the University of Florida
- This new facility is part of a long-term plan to use biological controls to supplement existing efforts to control and reduce the most aggressive, widespread and problematic invasive exotic plants in south Florida
- The biological controls to combat Melaleuca, Brazilian Pepper, Australian Pine, and Old World Climbing Fern are the focus of this system-wide approach to combat these invasive, non-native, plants.



# DECOMP Physical Model



L-67A



L-67C

## Project features:

- Installation of 10 60-inch culverts in L-67A Levee (S-152).
- A 3,000 -foot gap in the L-67C Levee with three 1,000-foot backfill treatments; no backfill, partial backfill and complete backfill using adjacent levee material.



# 2<sup>nd</sup> Generation CERP Projects



## C-43 West Basin Storage Reservoir

- Purpose = improve timing, quantity and quality of freshwater deliveries to Caloosahatchee River estuary
- Record of Decision signed and report submitted to Congress on April 13, 2011
- Awaiting Congressional Authorization and Appropriation

## C-111 Spreader Canal

- Purpose = improve water deliveries to Florida Bay and to improve hydroperiods and hydroperiods in Southern Glades /Model Lands
- Record of Decision signed and report submitted to Congress on July 19, 2012
- Awaiting Congressional Authorization and Appropriation



S-199



# 2<sup>nd</sup> Generation CERP Projects

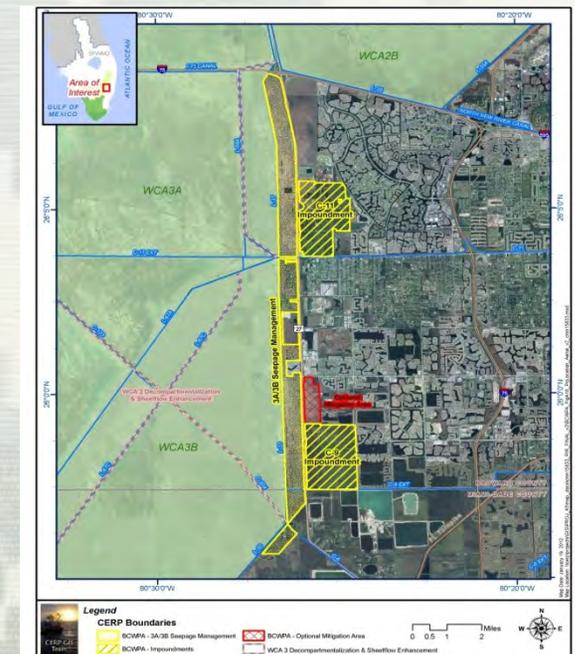


## Biscayne Bay Coastal Wetlands

- Purpose = improve freshwater deliveries to Biscayne Bay
- Record of Decision signed and report submitted to Congress on September 19, 2012
- Awaiting Congressional Authorization and Appropriation

## Broward County Water Preserve Area

- Purpose = reduce seepage, recharge groundwater, provide water supply, and prevent saltwater intrusion in western Broward County
- Record of Decision signed and report submitted to Congress on October 25, 2012
- Awaiting Congressional Authorization and Appropriation



# Questions?

