

C-111 Spreader Canal and Biscayne Bay Coastal Wetlands Project Updates

South Miami-Dade Water Issues Coordination Roundtable Discussion – March 1, 2011

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Presentation Overview

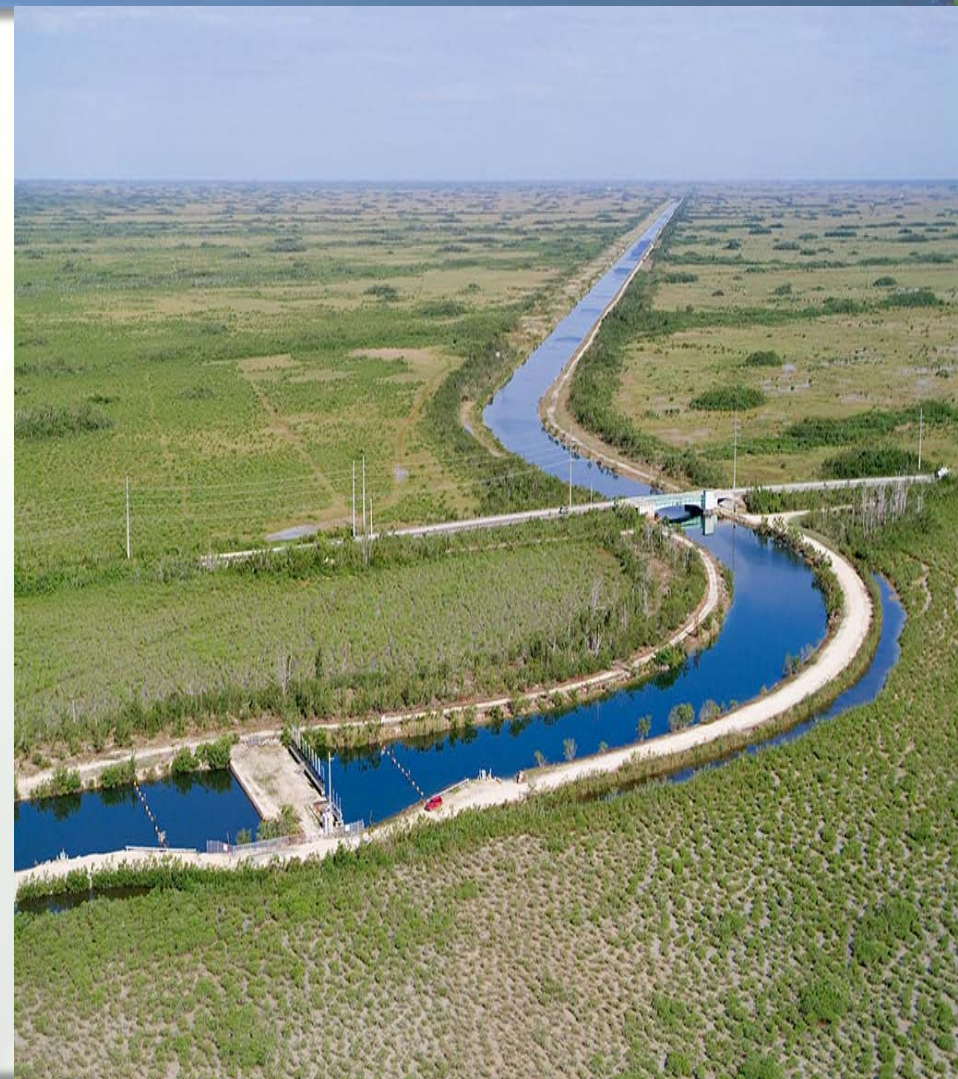
- **Brief Overview of SFWMD's Expedited Program**
 - How it Came to Be
 - What it Means for the C-111 Spreader Canal (SC) and Biscayne Bay Coastal Wetlands (BBCW) Projects
- **Expedited C-111 Spreader Canal Project**
 - Review of Project Objectives and Features
 - Construction Update
- **Expedited Biscayne Bay Coastal Wetlands Project**
 - Review of Project Objectives and Features
 - Construction Update
- **Next Steps**
 - PIR Approval

SFWMD Expedited Construction

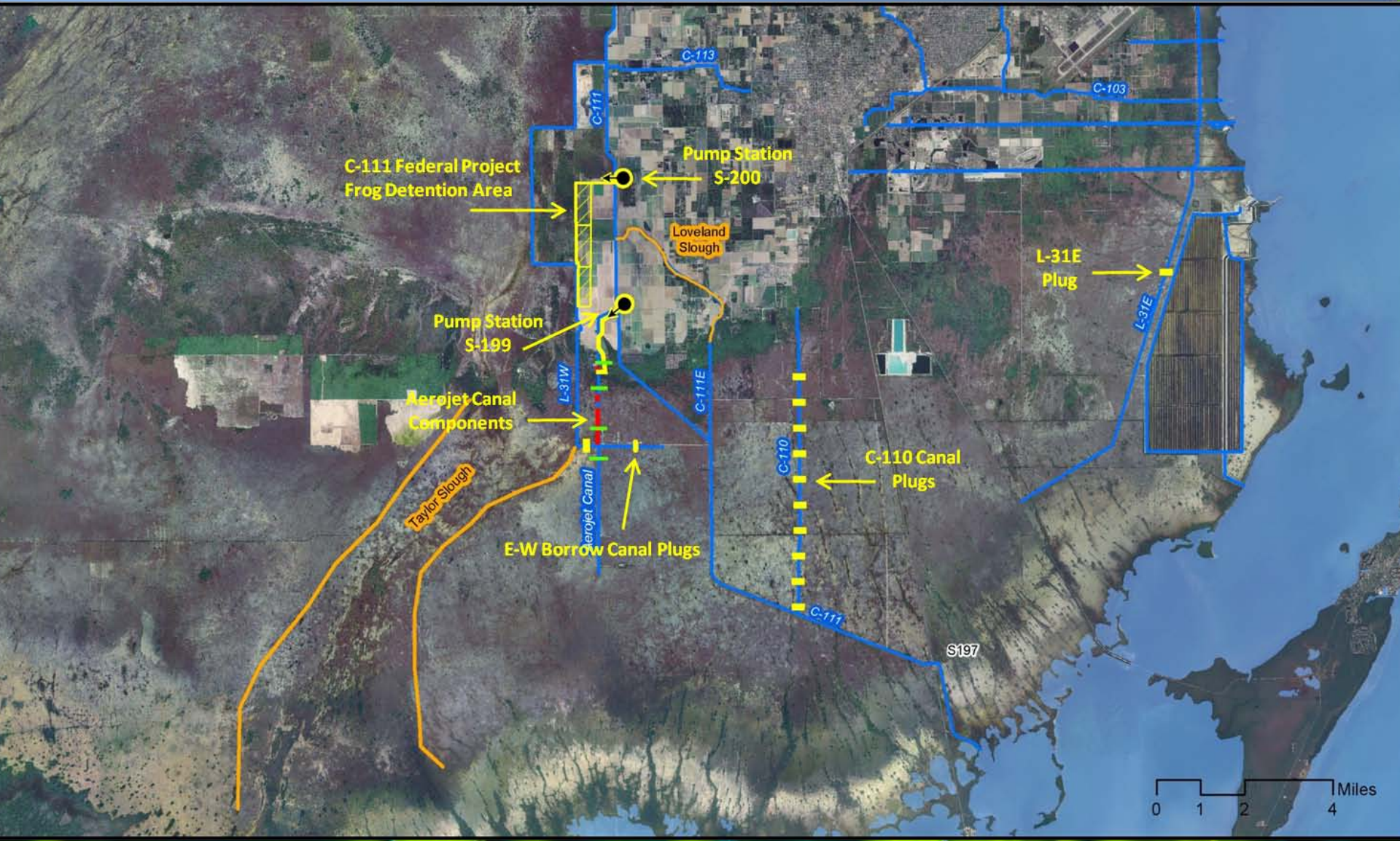
- On October 14, 2004, in the presence of the USACE, Department of Interior, Council on Environmental Quality and other state, local and federal partners, the SFWMD entered into an agreement to expedite implementing portions of eight critical CERP projects, including the C-111 Spreader Canal Western Project and Biscayne Bay Coastal Wetlands Project
- SFWMD has completed 100% Design Plans for the expedited portions of the C-111 Spreader Canal and BBCW projects
- With exception of the Cutler component of the BBCW project, SFWMD has received all required permits for the expedited portions of the C-111 Spreader Canal Western Project and BBCW Project

C-111 Spreader Canal Western Project Objectives

- Improve the quantity, timing and distribution of water delivered to Florida Bay via Taylor Slough
- Improve hydroperiods and hydropatterns in the Southern Glades and Model Lands
- Improve coastal zone salinities in Florida Bay



C-111 SC Expedited Construction



Frog Pond Detention Area

- Frog Pond Detention Area
 - Notice to Proceed issued January 2010
 - 95% complete as of February 7, 2011
 - Anticipated completion date June 2011



Aerojet Canal Modifications

- Aerojet Canal Modifications
 - Notice to Proceed issued January 2010
 - 68% complete as of February 7, 2011
 - Anticipated completion date May 2011



S-200 and S-199 Pump Stations

- 225 CFS Pump Stations
 - S-200 and S-199 pump stations are under one construction contract
 - Notice to Proceed issued January 2010
 - 51% complete as of February 7, 2011
 - Anticipated completion date July 2011



C-110 Canal Plugs

- C-110 Canal Plugs
 - Notice to Proceed issued January 2010
 - Completed on August 15, 2010



L-31E Canal Plug

- L-31E Canal Plug:
 - Notice to Proceed issued January 2010
 - Completed on August 15, 2010



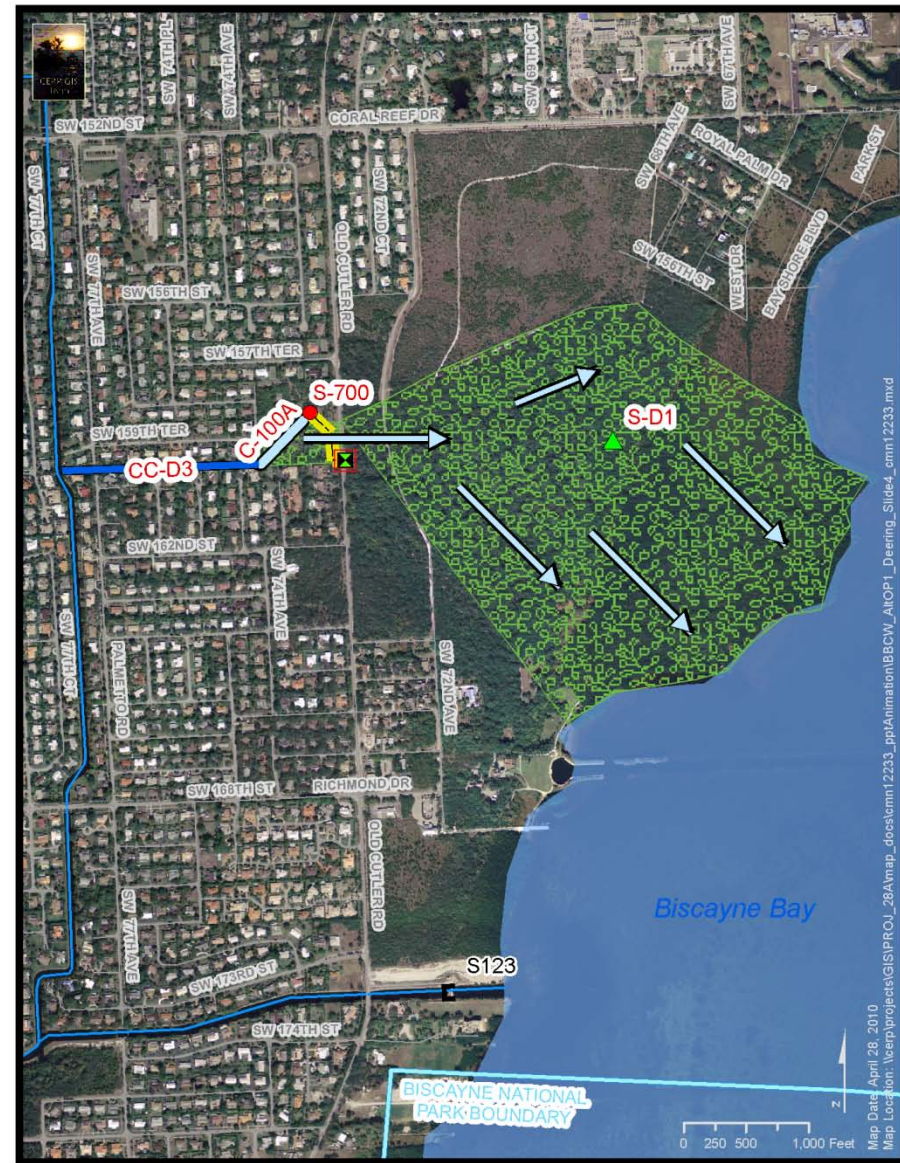
Biscayne Bay Coastal Wetland Project Objectives

- Improve quantity, quality, timing and distribution to Biscayne Bay
- Re-establish productive nursery habitat
- Redistribute freshwater flow and minimize point source discharges
- Preserve and restore natural coastal glades habitat
- Re-establish connectivity between the coastal and adjacent wetlands
- Improve near-shore and saltwater wetland salinity regimes



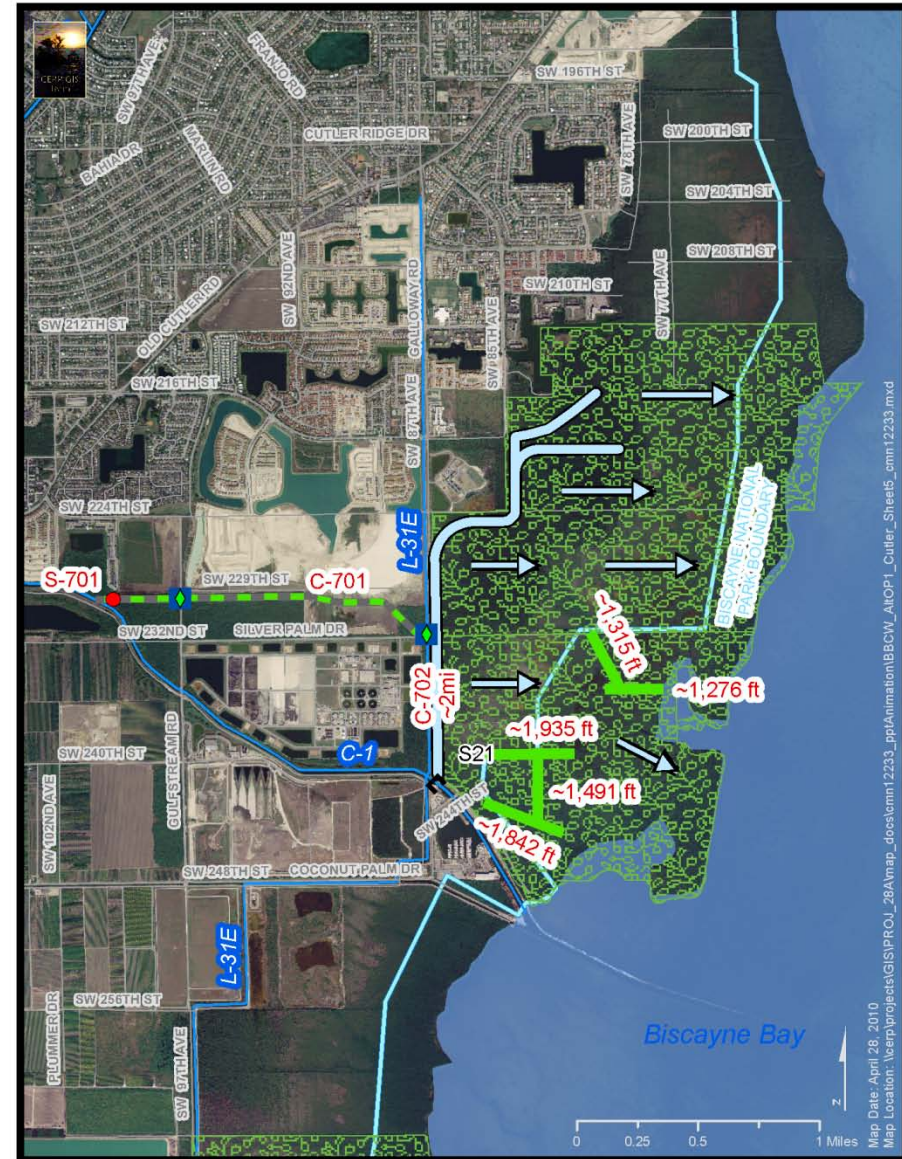
Deering Estate

- SFWMD expedited construction of a 500-foot extension of the C-100A Spur Canal
- SFWMD expedited construction of a 100-cubic feet per second (CFS) pump station (S-700) to withdraw water from C-100A Spur Canal
- SFWMD expedited installation of 538 linear feet of 60" pipe downstream of the pump station
- SFWMD expedited construction of a spreader structure for discharges to the coastal wetlands located within the Deering Estate



Cutler Flowway

- SFWMD expedited construction of a 400-CFS pump station (S-701) on the C-1 Canal
- SFWMD expedited construction of a 1.3-mile-long lined conveyance canal to deliver water from the pump station to a proposed spreader
- SFWMD expedited installation of box culverts under SW 97 Ave, SW 87 Ave., and L-31E
- SFWMD expedited construction of a two-mile-long spreader canal
- USACE to construct remaining portions of spreader canal and plug 2,500 LF of remnant mosquito ditches



L-31E Flowway

- SFWMD expedited installation of four flap-gated culverts (S-23A, S-23B, S-23C, & S-23D) to discharge from L-31E to saltwater wetlands East of L-31E
- USACE to construct a 50-CFS pump station (S-703) on L-31E, with outlet spreader
- USACE to construct a 100-CFS pump station (S-705) on L-31E to discharge south to L-31E
- USACE to construct a 40-CFS pump station (S-709) to discharge from C-103 north to L-31E and install an inverted siphon (S-707) at Military Canal to isolate it from L-31E



L-31 E Flowway (Cont.)

- USACE to install six remaining flap-gated culverts (S-706A, S-706B, S-706C, S-708, S-712A, and 712B) to discharge from L-31E to saltwater wetlands
- USACE to construct a 40-CFS pump station (S-711) and spreader canal (C-711) to deliver water from C-103 to freshwater wetlands south of C-103
- USACE to construct 40-CFS pump station (S-710) to deliver water from C-103 to freshwater wetlands south of C-103, via spreader structure



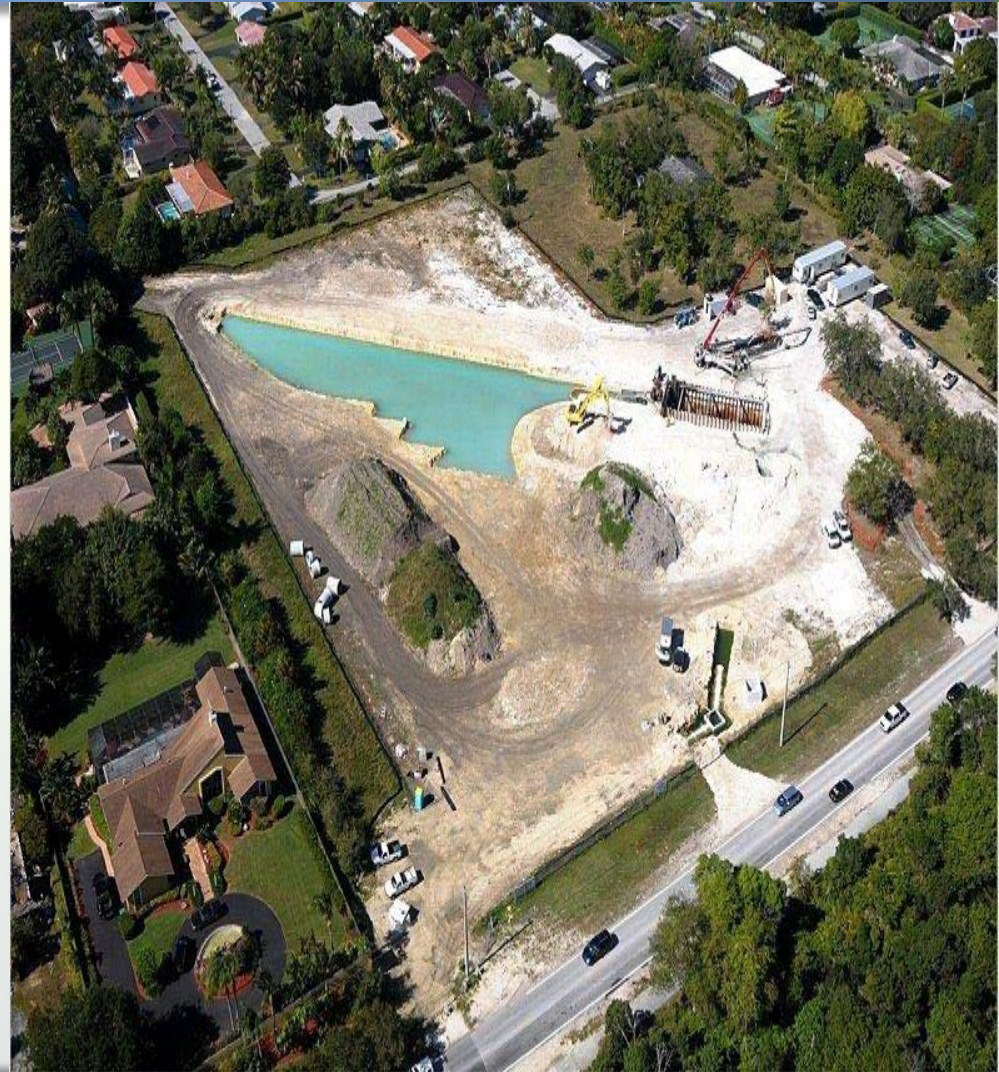
L-31 E Expedited Culvert Installation

- L-31E
 - S-23A, S-23B, S-23C and S-23D culvert installation was completed in June 2010



Deering Estate Expedited Construction

- Deering Estate
 - Notice to Proceed issued April 2010
 - 35.9% complete as of as of February 7, 2011
 - Anticipated completion date September 2011
- Cutler Flowway
 - Notice to Proceed early in FY12 (subject to Governing Board funding)



What's Next?

- C-111 Spreader Canal
 - No additional design required
 - All major components currently under construction or completed
 - Construction of S-198 will only occur if incremental trigger increases at S-18C do not achieve desired results
 - Assistant Secretary of the Army submittal of Chief's Report to Congress scheduled in September 2011
- BBCW
 - Assistant Secretary of the Army submittal of Chief's Report to Congress scheduled in December 2011

Project Implementation Report/Environmental Impact Statement (PIR/EIS) Schedule

C-111 Spreader Canal Western Project

- Publish Final PIR/EIS Feb. 4, 2011
- Conclude Public and Agency Review Mar. 7, 2011
- Chief's Report Signed Apr. 2011
- Assistant Secretary of the Army's
Review of Chief's Report May 2011
- Office of Management and Budget's
Review of Chief's Report Aug. 2011
- Record of Decision Signed Aug. 2011
- Submit Chief's Report to Congress Sept. 2011

Project Implementation Report/Environmental Impact Statement (PIR/EIS) Schedule (Cont.)

Biscayne Bay Coastal Wetlands Alternative O – Phase I

- Civil Works Review Board April 2011
- Publish Final PIR/EIS May 2011
- Conclude Public & Agency Review June 2011
- Chief's Report Signed July 2011
- Assistant Secretary of the Army's
Review of Chief's Report Sept. 2011
- Office of Management and Budget's
Review of Chief's Report Dec. 2011
- Record of Decision Signed Dec. 2011
- Submit Chief's Report to Congress Dec. 2011

An aerial photograph showing a dense, lush green mangrove forest on the left side of the frame. The forest is thick with trees, and its edge is irregular, meeting a body of dark, calm water on the right. The water reflects the sky and the surrounding greenery. In the bottom right corner, there is a small logo for the South Florida Water Management District.

Questions?