



# Projects Update



## STAs and Related Projects Update – Part 2

September 14, 2011

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South Florida Water Management District

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Everglades Protection Area Tributary Basins



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In its September 2011 presentation to the TOC concerning the construction status of the Compartment B and C STAs, the District stated that flow through treatment will begin in July 2012. This statement is incomplete. Although construction of the STAs and their pump stations will advance to the point by July 2012 that they could treat water flowing into them, the STAs may not discharge the treated water until all necessary operational authorizations and permits have been issued to it by FDEP, USEPA, and USACE, a process that may extend beyond July 2012.

As of this date, federal NPDES and State EFA discharge permits have not been issued. FDEP has been enjoined by the Court in *Miccosukee Tribe v. United States, et al.*, Case No. 1:04-CV-21448-Gold (S.D. Fla.), from issuing new or modified NPDES or EFA permits. In addition, before USACE issues its Section 404 permits it will be necessary for the project to obtain a Section 401 water quality certification from FDEP. To the extent a Section 401 certification from FDEP is necessary, it would be in the form of an EFA permit, which would be subject to FDEP's permitting standards and Florida State administrative and judicial processes (as well the injunction in *Miccosukee Tribe*). In addition, if USEPA were to issue NPDES discharge permits, they would be subject to federal administrative and judicial processes as well.

**Everglades Protection Area Tributary Basins**



# EAA Compartment C STA Buildout



**Purpose:** The development of additional Stormwater Treatment Area (STA) to further improve the quality of water discharging to the Everglades Protection Area (EPA) by assisting with the redistribution of flows and loads to the STA system.

## Completed

- Phase 1 – Initial Expansion
  - STA-5 Flow-way 3 (1,985 Acres of Treatment Area)
  - STA-6 Section 2 (1,387 Acres of Treatment Area)
- Phase 2 Build-Out
  - Design of Civil Works(4,850 Acres of Treatment Area)
  - Pump Equipment Contract executed
  - G-508 Pump Station Final Design

**Everglades Protection Area Tributary Basins**



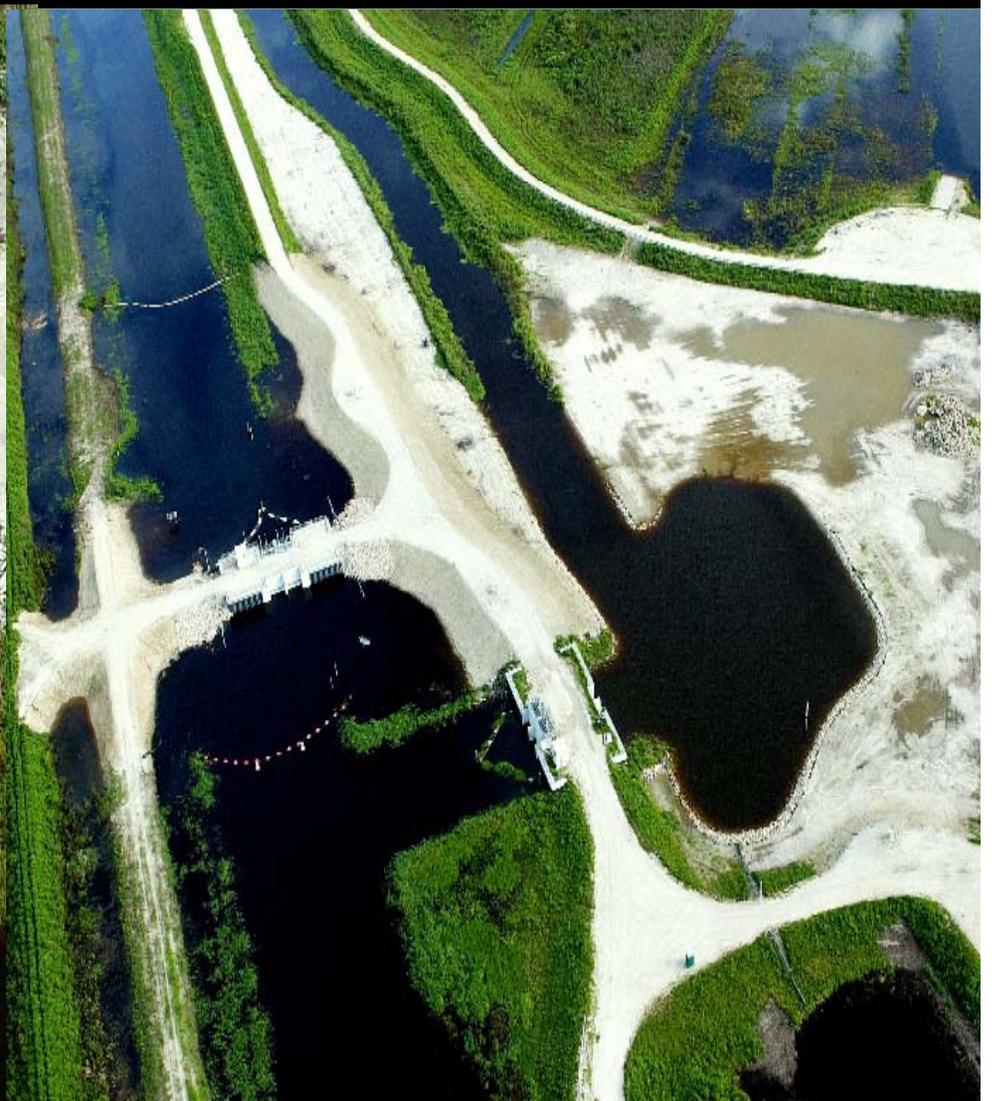
# EAA Compartment C STA Buildout



- **Accomplishments to Date:**
  - Completed Final Design-Civil Works
  - Completed Final Design-Pump Station
  - Purchased Pumps, Gear Reducer and Engines for Pump Station
  - Civil Works contract awarded at March 2009 Governing Board
  - USACE completed Record of Decision and Compartment C 404 permit prior to March 12, 2009 Governing Board
  - Land Use Change received
  - Started construction – Civil Works
    - NTP April 6, 2009
  - Started construction of G-508 pump station
    - NTP September 1, 2009
  - Completed Pump Equipment Manufacturing
  - Achieved Flow Capable Civil Works Milestone
- **What's Next:**
  - Continue construction of Civil Works
  - Continue construction of G-508 pump station
- **Construction Completion**
  - Civil Works Final Completion October 2011
  - Permanent Pump Station February 2012



# EAA Compartment C STA Buildout April 2011 & July 2011



Everglades Protection Area Tributary Basins



**EAA Compartment C STA Buildout  
G-509 Pump Station  
April 2011 & July 2011**



**Everglades Protection Area Tributary Basins**



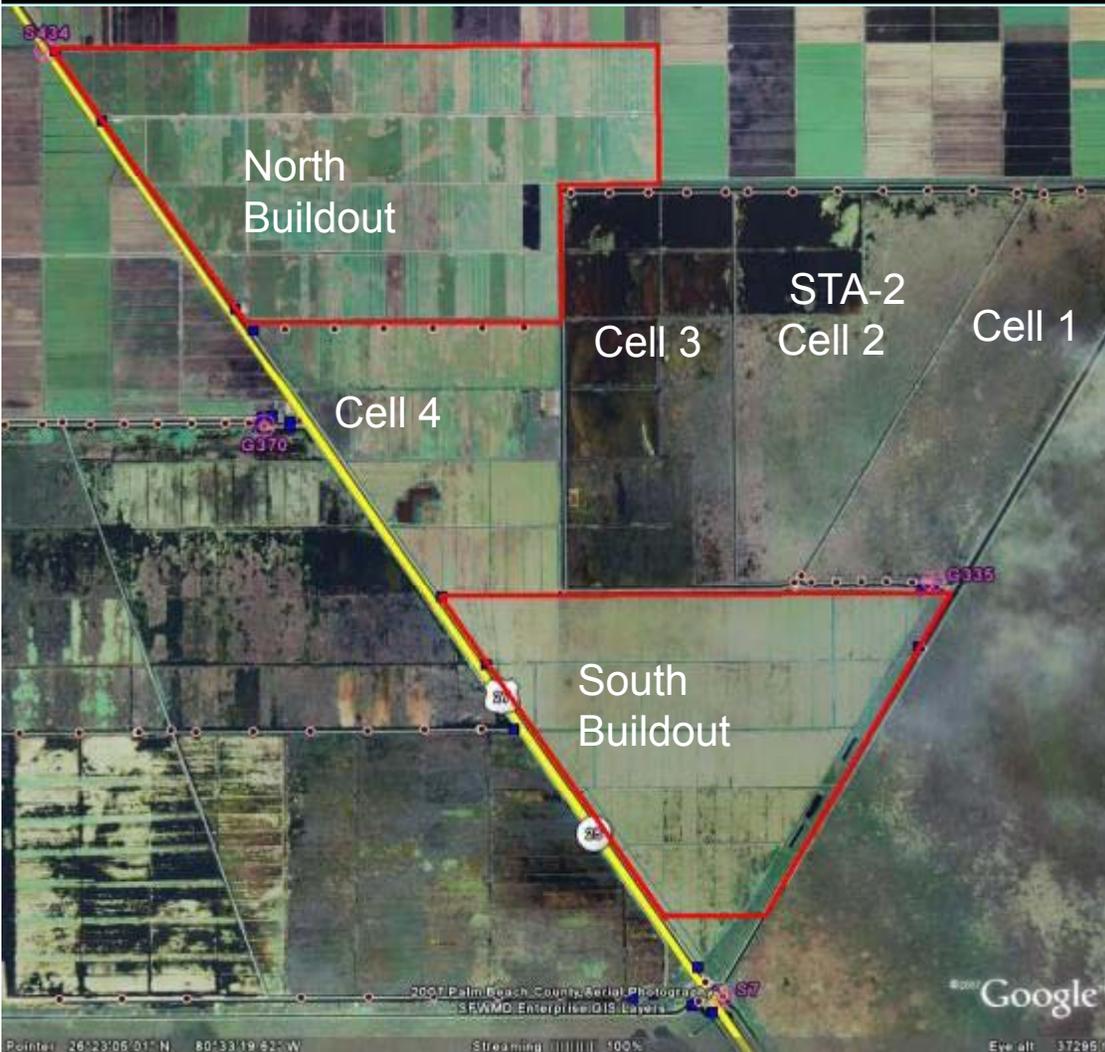
# G-508 Pump Station



**Everglades Protection Area Tributary Basins**



# EAA Compartment B STA Buildout



**Purpose:** The development of additional Stormwater Treatment Area (STA) to further improve the quality of water discharging to the Everglades Protection Area (EPA) by assisting with the redistribution of flows and loads to the STA system.

## Completed

- Phase 1 – Initial Expansion
  - STA-2 Cell 4  
(1,902 Acres of Treatment Area)
- Phase 2 - Build-out  
(6,722 Acres of Treatment Area)
  - Design of Civil Works
  - Final Design Report for G-434, G-435, & G-436 Pump Stations
  - Pump Equipment Contract executed

**Everglades Protection Area Tributary Basins**

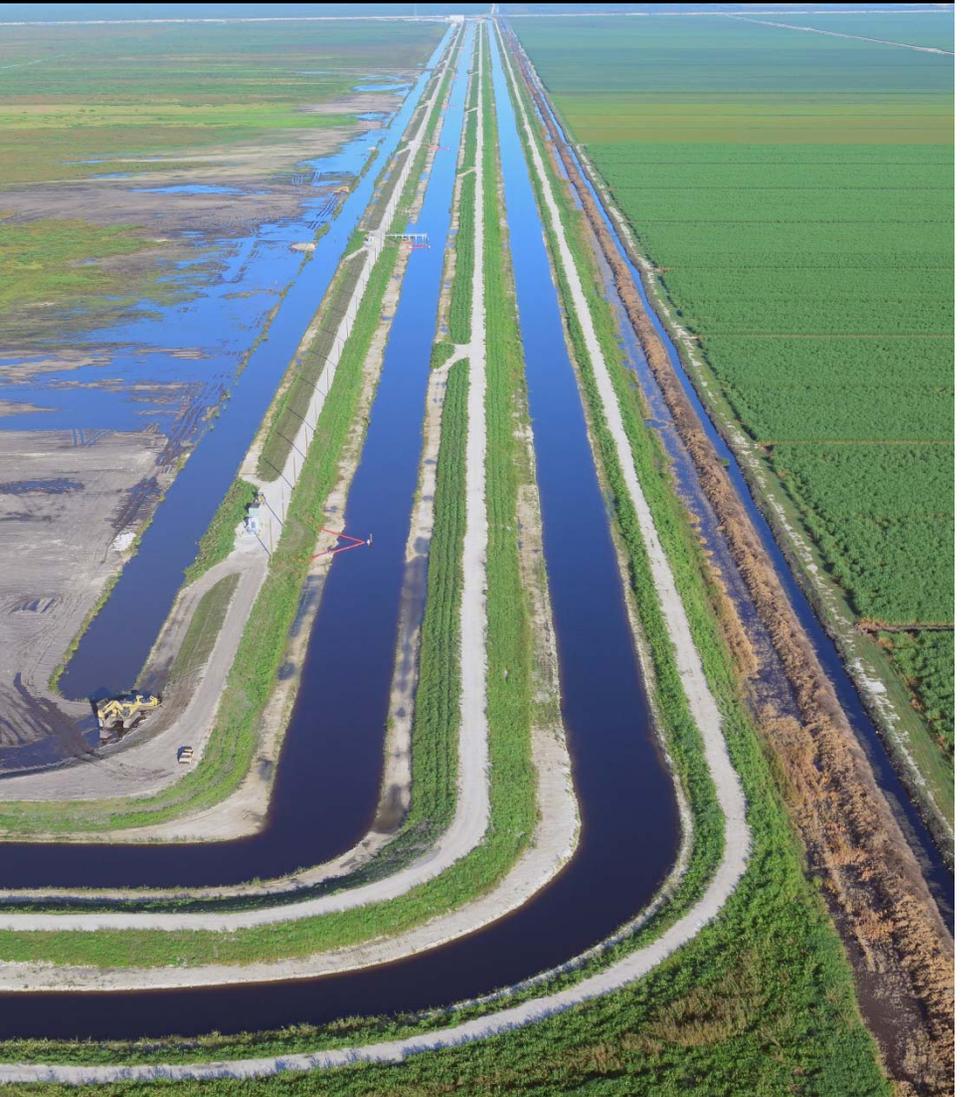


# EAA Compartment B STA Buildout



- **Accomplishments to date:**
  - Completed Final Design-Civil Works
  - Completed Final Design-Pump Stations
  - Completed Pump Equipment Contract Process
  - FDEP Permit received on March 17, 2009
  - USACE Permit Decision received May 2009
  - Started Construction – Civil Works
    - NTP June 1, 2009 for North and South Buildouts
  - Started Construction – Pump Stations G-434, G-435 & G-436
    - NTP September 14 & 17, 2009
  - Started Construction of Bridges at G-434 and G-435
    - NTP August 16, 2010
  - Completed Re-Design of Project Discharge at L-6 Canal to Water Conservation Area 2A
  - Completed Pump Equipment Manufacturing
  - Achieved Flow Capable Civil Works Milestone
  - Completed Bridges for G-434 and G-435 – May 2011
  
- **What's next:**
  - Continue construction of Civil Works
  - Continue construction of Pump Stations
  
- **Construction Completion**
  - Civil Works Final Completion – October 2011
  - Permanent Pump Stations – May 2012

**EAA Compartment B STA North Buildout  
North Levees  
April 2011 & July 2011**



**Everglades Protection Area Tributary Basins**



**EAA Compartment B STA North Buildout  
G-443 A & B  
April 2011 & July 2011**



**Everglades Protection Area Tributary Basins**



# G-434 Pump Station April 2011 & July 2011



Everglades Protection Area Tributary Basins



# G-435 Pump Station



**Everglades Protection Area Tributary Basins**



# G-436 Pump Station

April 2011 & July 2011



Everglades Protection Area Tributary Basins



**Questions?**

**Everglades Protection Area Tributary Basins**