



SFWMD Program and Project Update

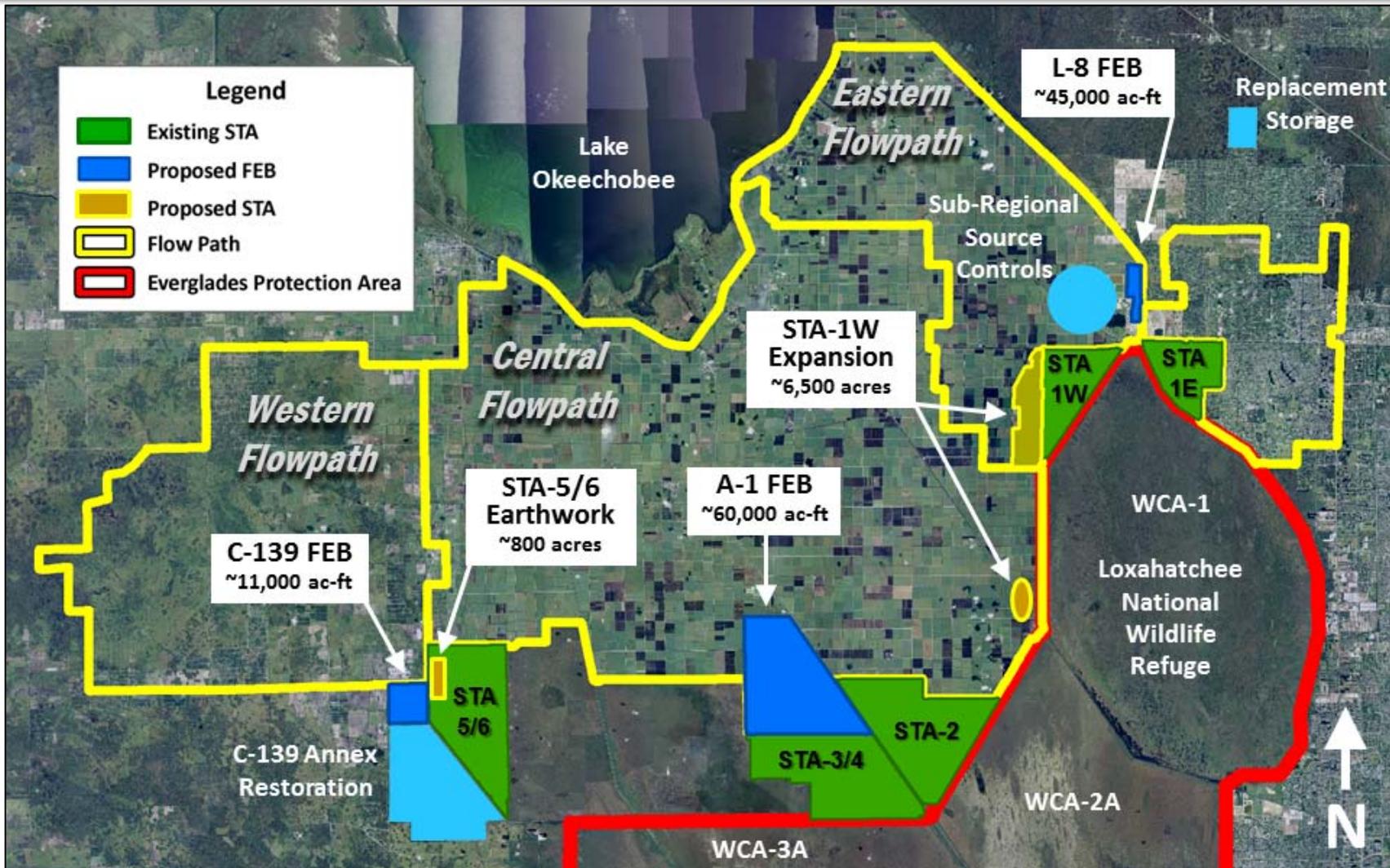
**South Florida Ecosystem Restoration
Working Group Meeting**

September 29, 2016

Jennifer Leeds, Section Leader

Everglades Policy & Coordination Division, SFWMD

Restoration Strategies Program



A-1 Flow Equalization Basin (FEB) Operations

- 15,000 acres by 4 feet deep \approx 60,000 acre-feet
- In Operational Testing and Monitoring Phase (OTMP)
- Captured a total of \sim 230,000 acre-feet of water during Water Year (WY) 2016
- Captured \sim 55,000 acre-feet of Lake Okeechobee water during WY2016
- Reduced phosphorus (P) concentration from 93 to 36 parts per billion (ppb) during WY2016
- Captured 27,000 acre-feet of water to date in WY2017
- Outflow P concentration for 365-day period thru September 18, 2016 = 21 ppb



L-8 Flow Equalization Basin (FEB)



- 800 acres by 58 feet deep \approx 45,000 acre-feet
- Status:
 - Inflow Spillway G-538 complete
 - L-8 Divide Structure G-541 complete
 - Outflow pump station G-539 in testing phase
 - Construction completion expected November 2016
 - 87% complete

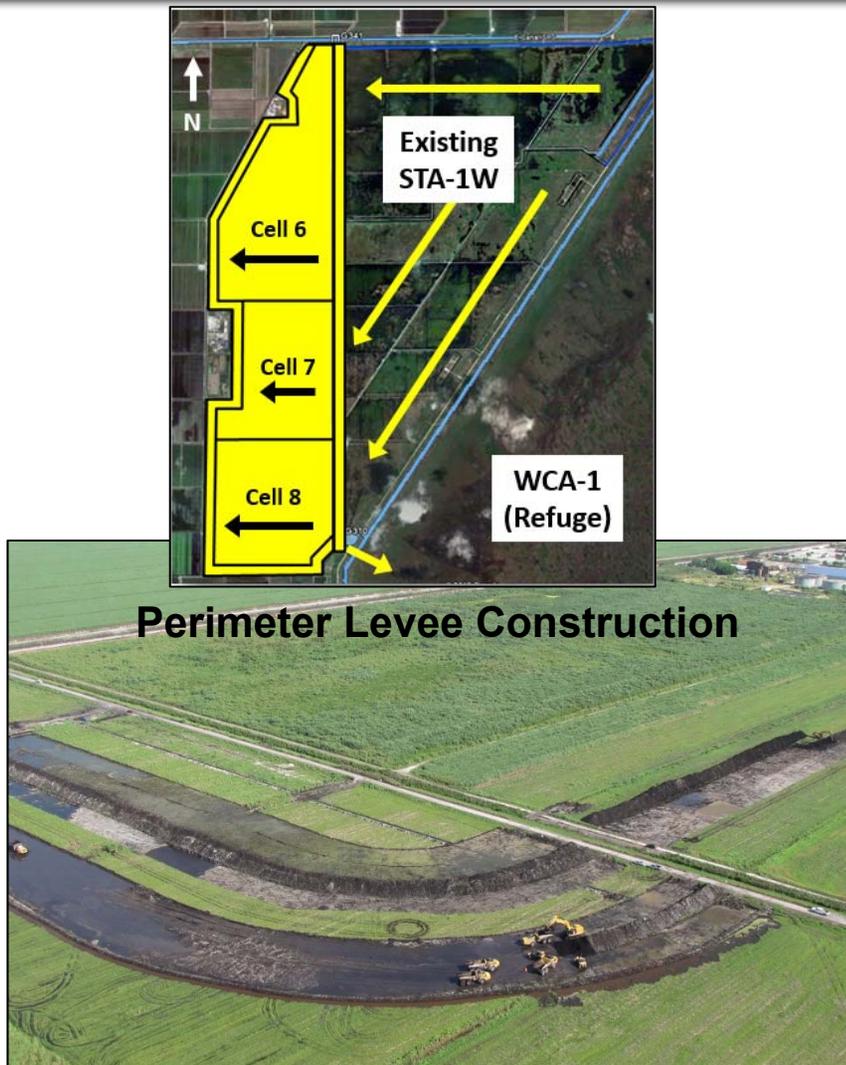


G-538



G-539

STA-1W Expansion



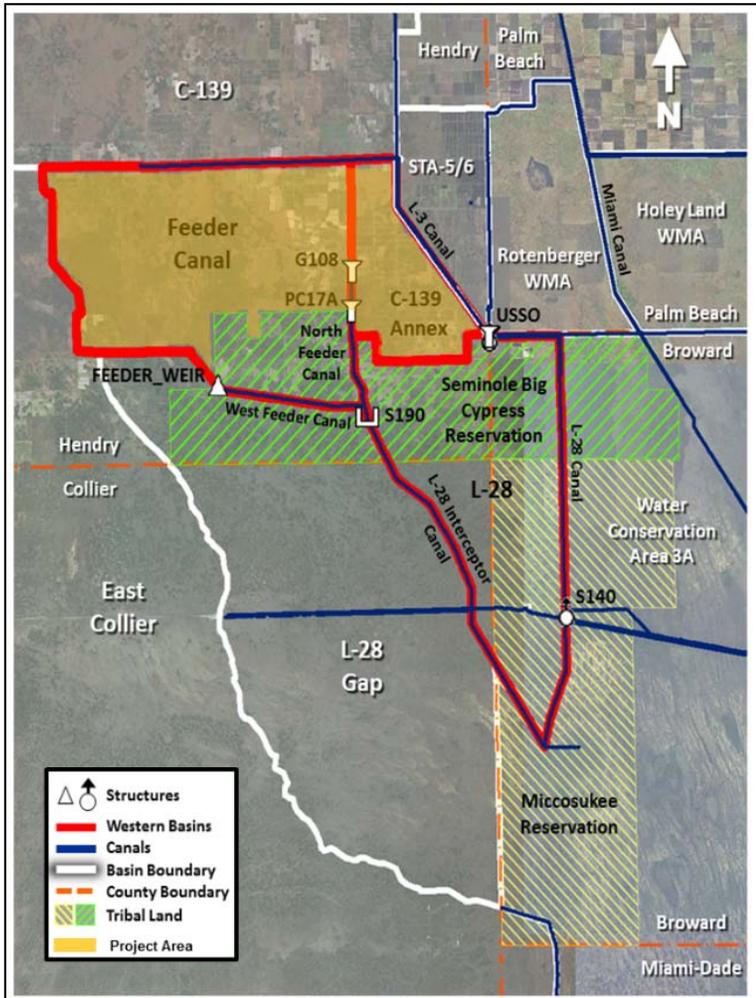
- 5,900 acres of additional treatment wetland (on ~6,500 acres of land) in 2 phases
 - Expansion #1 ≈ 4,300 acres
 - Expansion #2 ≈ 1,600 acres
- Status:
 - Construction contract for Expansion #1 awarded November 2015
 - Completion expected December 2018
 - Land exchange discussions with U.S. for Expansion #2 ongoing
 - Expansion #2 design to start by 2018
 - 17% complete

Conveyance Improvement Projects

- S-5AS Modifications – complete
- L-8 Divide (G-541) – complete
- S-375 Expansion (G-716) – 59% complete
- G-341 Related Conveyance Improvements (Bolles East Canal) – 99% complete

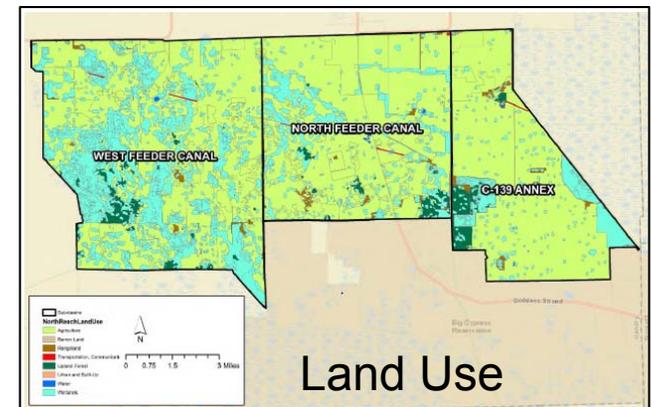


Western Basins Water Resource Evaluation



Status:

- Screening potential sub-regional and local structural improvements based on level of water quality improvements
- Engaging Florida Department of Agriculture and Consumer Service and USDA – Natural Resources Conservation Service
- Phosphorus model calibration in process
- 78% complete

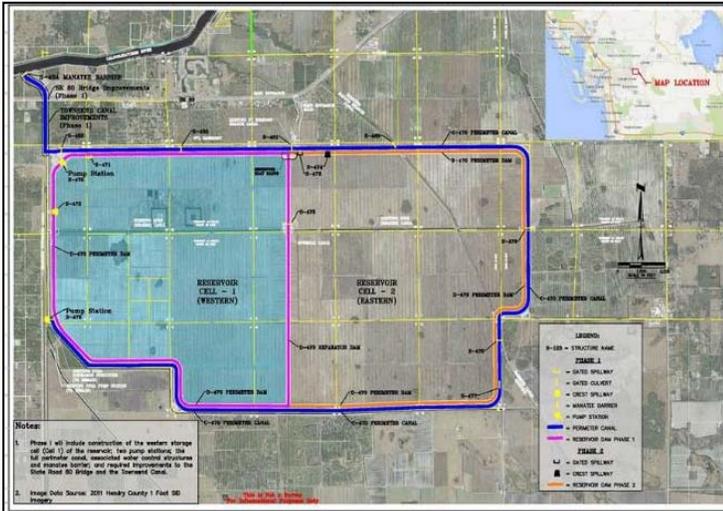


C-44 Reservoir/STA



- S-404 Spillway Status:
 - Construction complete
- STA Status:
 - Construction Start: October 2014
 - Construction Finish: December 2017
 - 46% complete
- Pump Station Status:
 - Construction Start: April 2015
 - Construction Finish: September 2018
 - 29% complete

C-43 Reservoir (Cell 1)



- Project is being delivered in 4 bid packages
- Package 1: Preload & Demolition
 - Construction Start: November 2015
 - Construction Finish: July 2017
 - 40% complete
- Package 2: Pump Station S476
 - Construction Start: June 2016
 - Construction Finish: January 2018
 - 20% complete
- Package 3: Pump Station S470 and Inflow Works
 - Construction Start: September 2017
 - Construction Finish: April 2020
- Package 4: Embankment/Civil Works
 - Construction Start: February 2018 (Cell 1)
 - Construction Finish: August 2021 (Cell 1)



Removal of irrigation piping

Picayune Strand Restoration Project

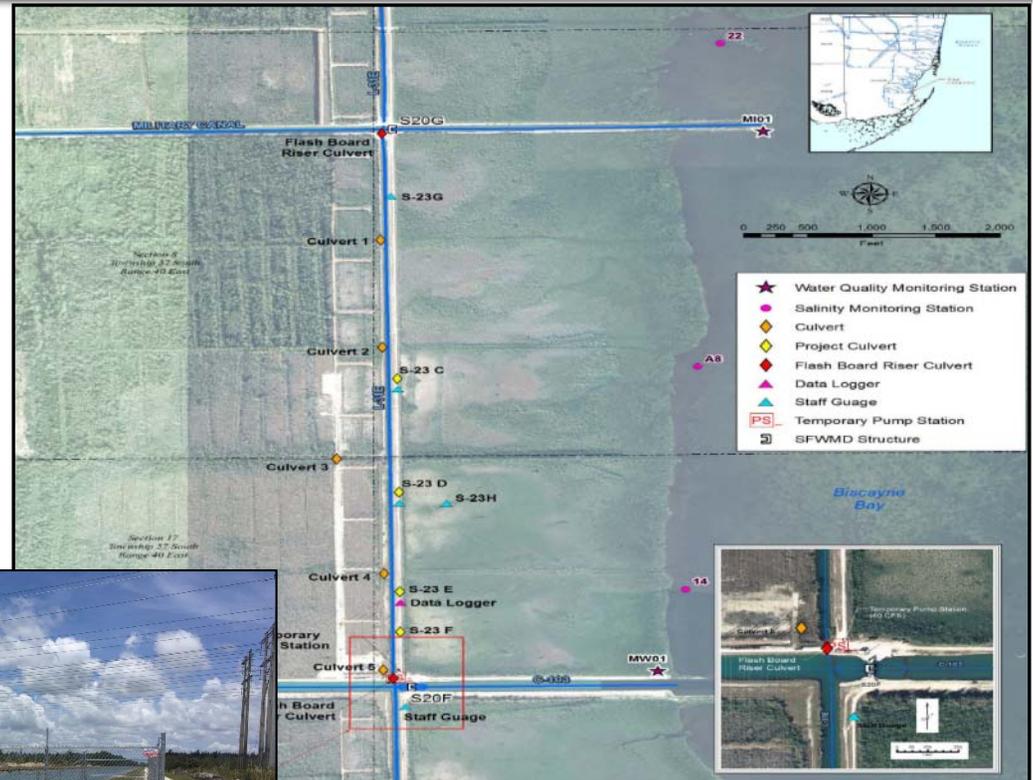
- Southwestern Protection Feature Status:
 - Initiating design level modeling to determine design criteria for levee and complete T&E Species Act consultation – Complete March 2017
 - Design Start: April 2017
 - Design Finish: March 2018
 - Construction Start: October 2018
 - <10% complete



Southwestern Protection Feature

Biscayne Bay Coastal Wetlands: L31E Flow-way Interim Operations

- Status:
 - Pump installed March 2016
 - FPL power installation anticipated November 2016
 - Pump operational November 2016
 - 75% complete



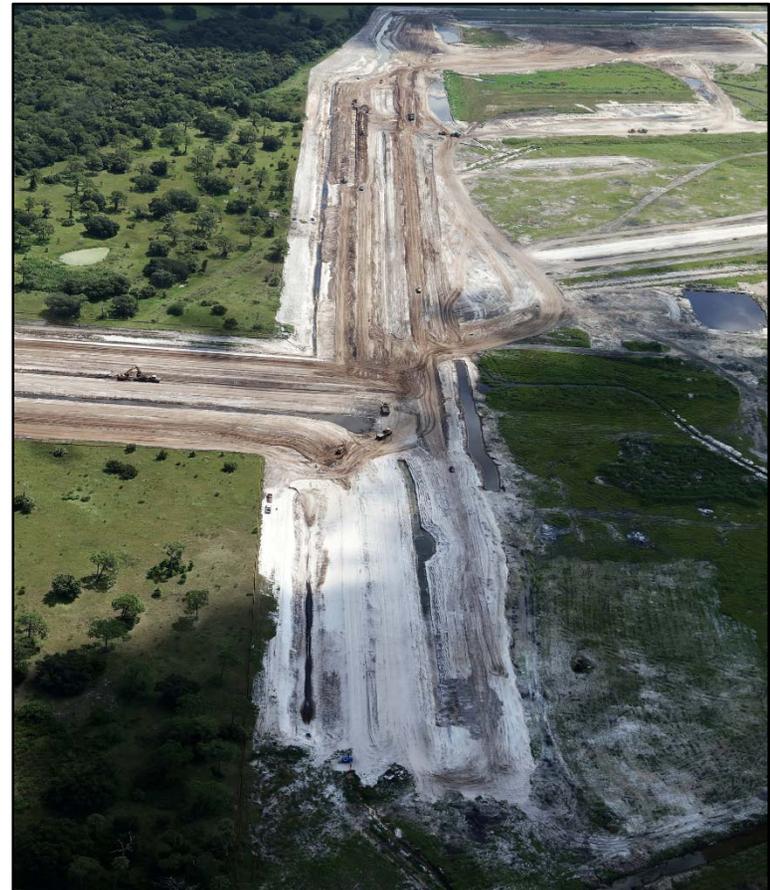
Interim pump installed at C-103/L31E Canals in Homestead, FL

Lakeside Ranch STA Phase 2 (South)

- Status:
 - Contract Awarded: November 2015
 - Construction Start: January 2016
 - Construction Finish: January 2018
 - 16% complete



Northeast Corner of STA South



Connection Canal Connecting
STA North and South



Discussion