

# Program & Project Update

## South Florida Ecosystem Restoration Task Force

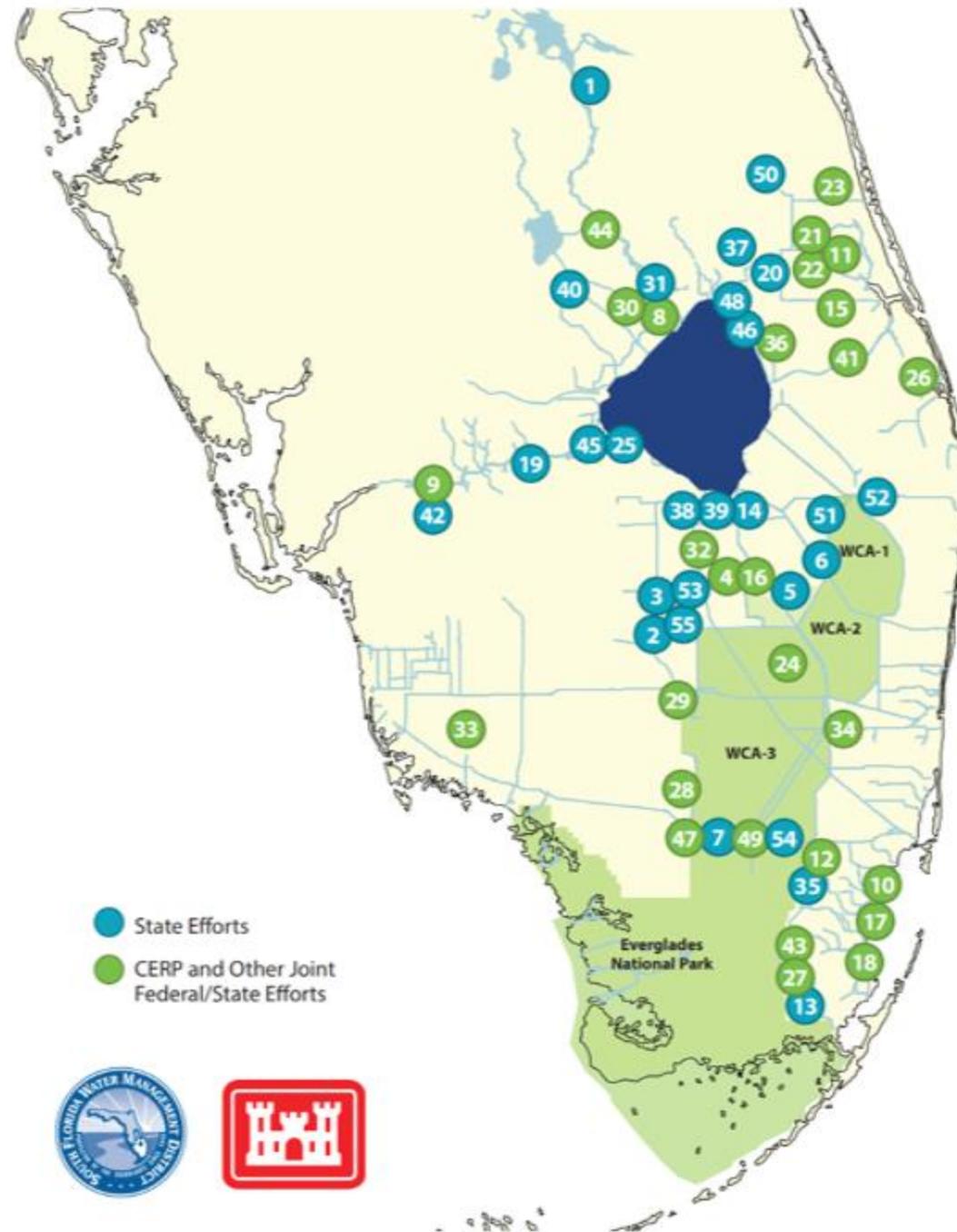
November 15, 2023

**Mindy Parrott**

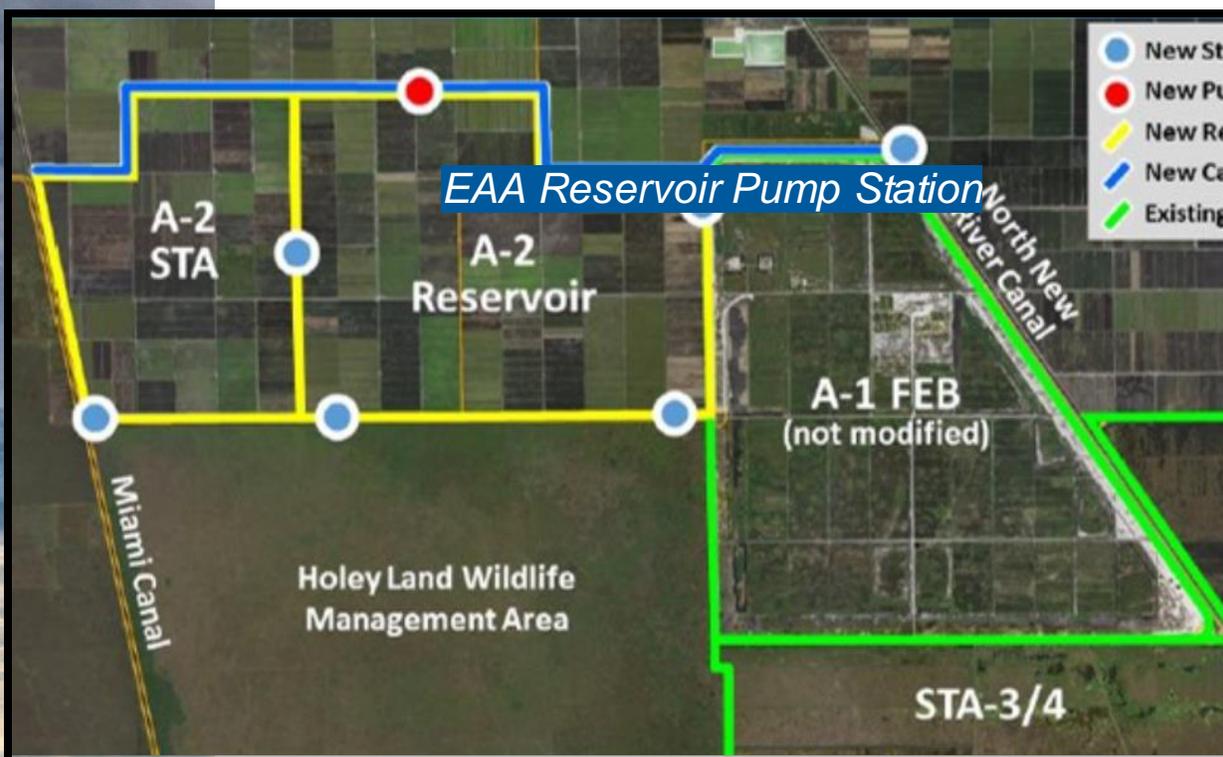
Principal Federal Policy Analyst  
Ecosystem Restoration Division

# Ecosystem Restoration Programs

- Federal Restoration Projects
  - CERP
  - Kissimmee River Restoration
  - C-111 South Dade
  - Other Foundation Projects
- State & Local Projects
  - Restoration Strategies
  - Northern Everglades and Estuaries Program
  - Local Projects
  - Dispersed Water Management



# Expedite Storage for Everglades Restoration



# Expediting Northern Storage - LOCAR

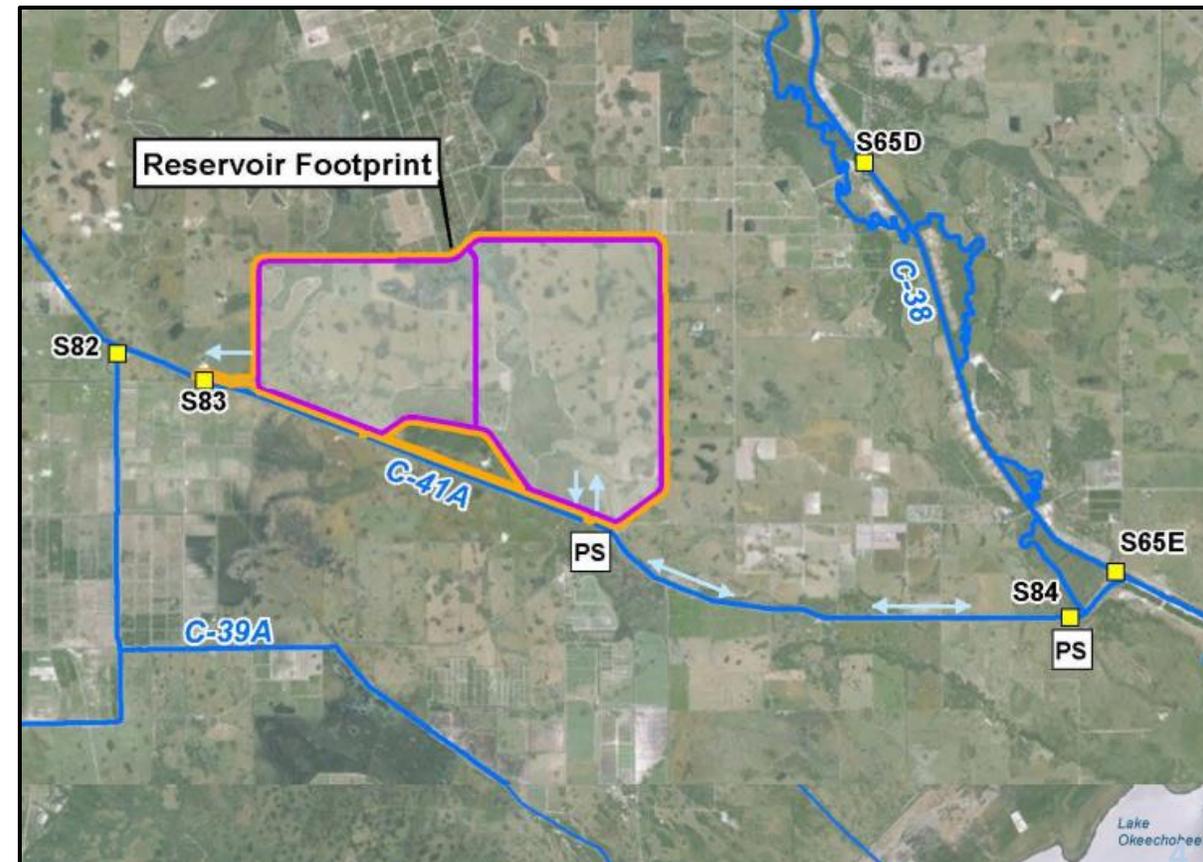
- SFWMD is preparing a Feasibility Study under Section 203 of the Water Resources Development Act
- Evaluate Component A of CERP- 200,000 ac-ft above ground storage reservoir
- Purpose is to retain water during wet periods for later use during dry periods to benefit Lake Okeechobee

## LOCAR Planning Schedule:

- ✓ Project Scoping – April 2023
- ✓ Identify Alternatives/Recommended Plan- May 2023
- ✓ Draft Feasibility Study & Draft EIS Released- October 23, 2023
- Draft EIS Public Comment Period ends- December 7, 2023
- Final Feasibility Study and Final EIS- January 2024

Information on the LOCAR project can be found at: [www.sfwmd.gov/LOCAR](http://www.sfwmd.gov/LOCAR)

## Lake Okeechobee Component A Reservoir (LOCAR) Recommended Plan



# Aquifer Storage & Recovery for Lake Okeechobee



USACE Engineer Research Development Center Core Collection At L-63N

The cover of the report features the South Florida Water Management District logo (a red square with a white castle) and the Florida Water Management District logo (a circular seal with a map of Florida). The title "2022 Aquifer Storage and Recovery SCIENCE PLAN" is prominently displayed in white and blue text. Below the title, it says "DRAFT - OCTOBER 2022".

Three small images illustrate different aspects of the project:

- Mechanical Integrity Test at L63N: Shows a close-up of a drilling rig's mechanical components.
- Test/Exploratory Well Drilling at C385: Shows a drilling rig in operation on a construction site.
- Proof of Concept Testing Kissimmee River ASR Well: Shows a large crane lifting a component near a body of water.

Two photographs show core samples from the L63N Continuous Coring Program:

- 500 - 510 feet bls: Shows a section of a core sample with distinct layers.
- 1,800 - 1,810 feet bls: Shows another section of a core sample, also with distinct layers.

# Caloosahatchee (C-43) Reservoir

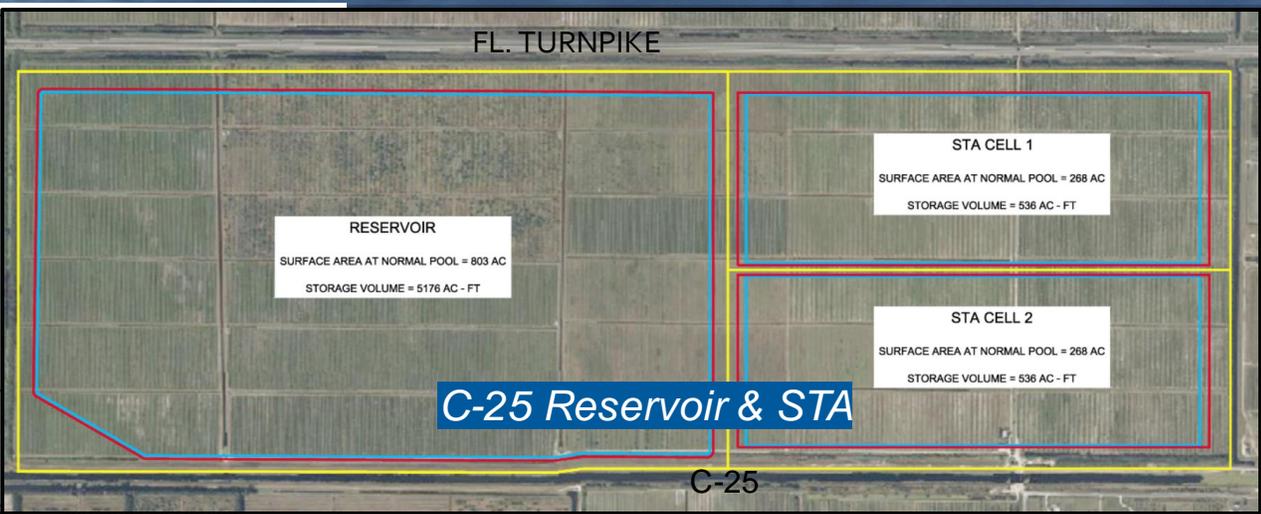
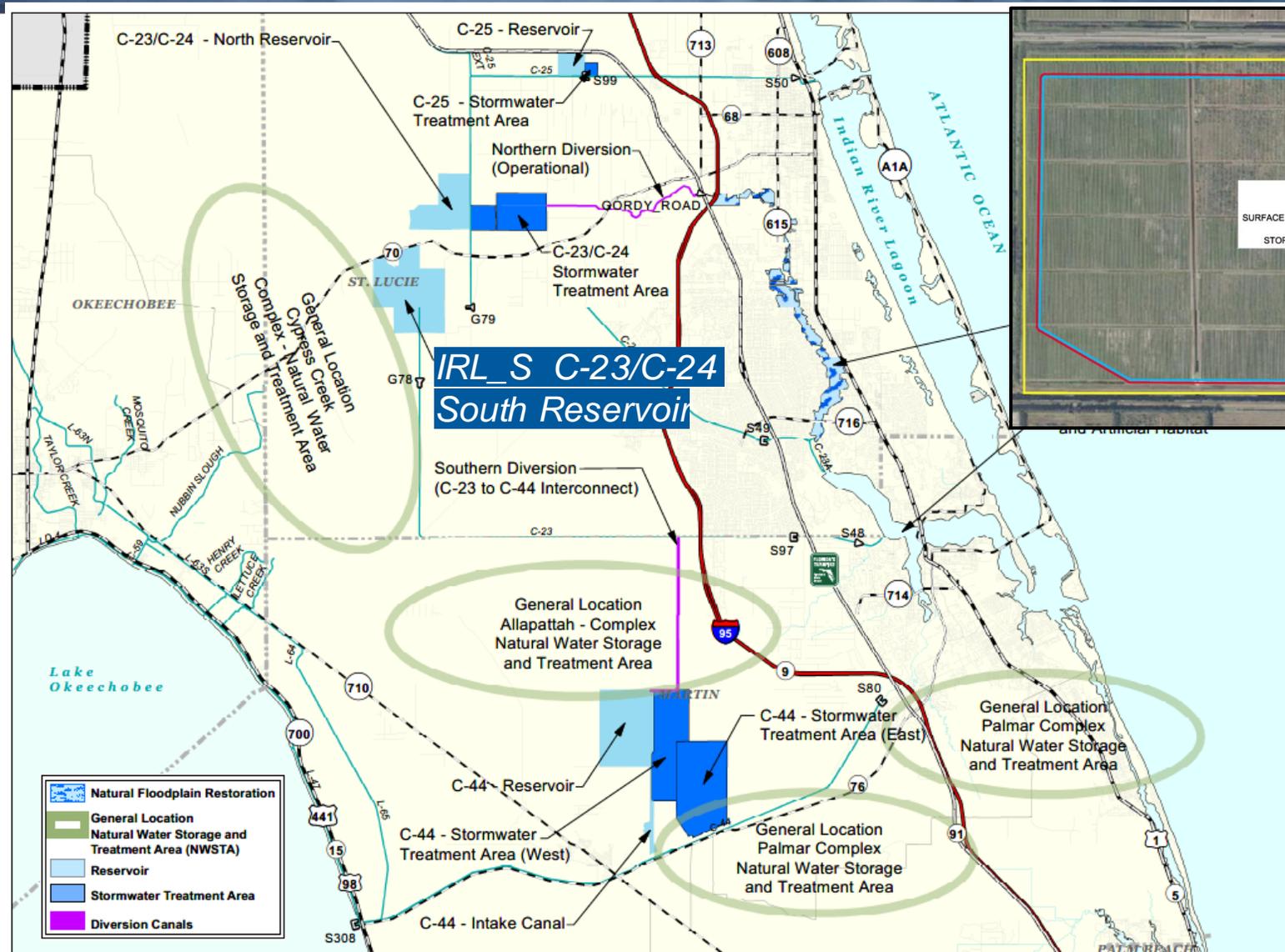
*Northeast Embankment*



# Caloosahatchee (C-43) Reservoir



# Restoring the Indian River Lagoon and St. Lucie River



# Central Everglades - EAA Reservoir and STA

## CEPP EAA Stormwater Treatment Area

Leveling STA Cell 1

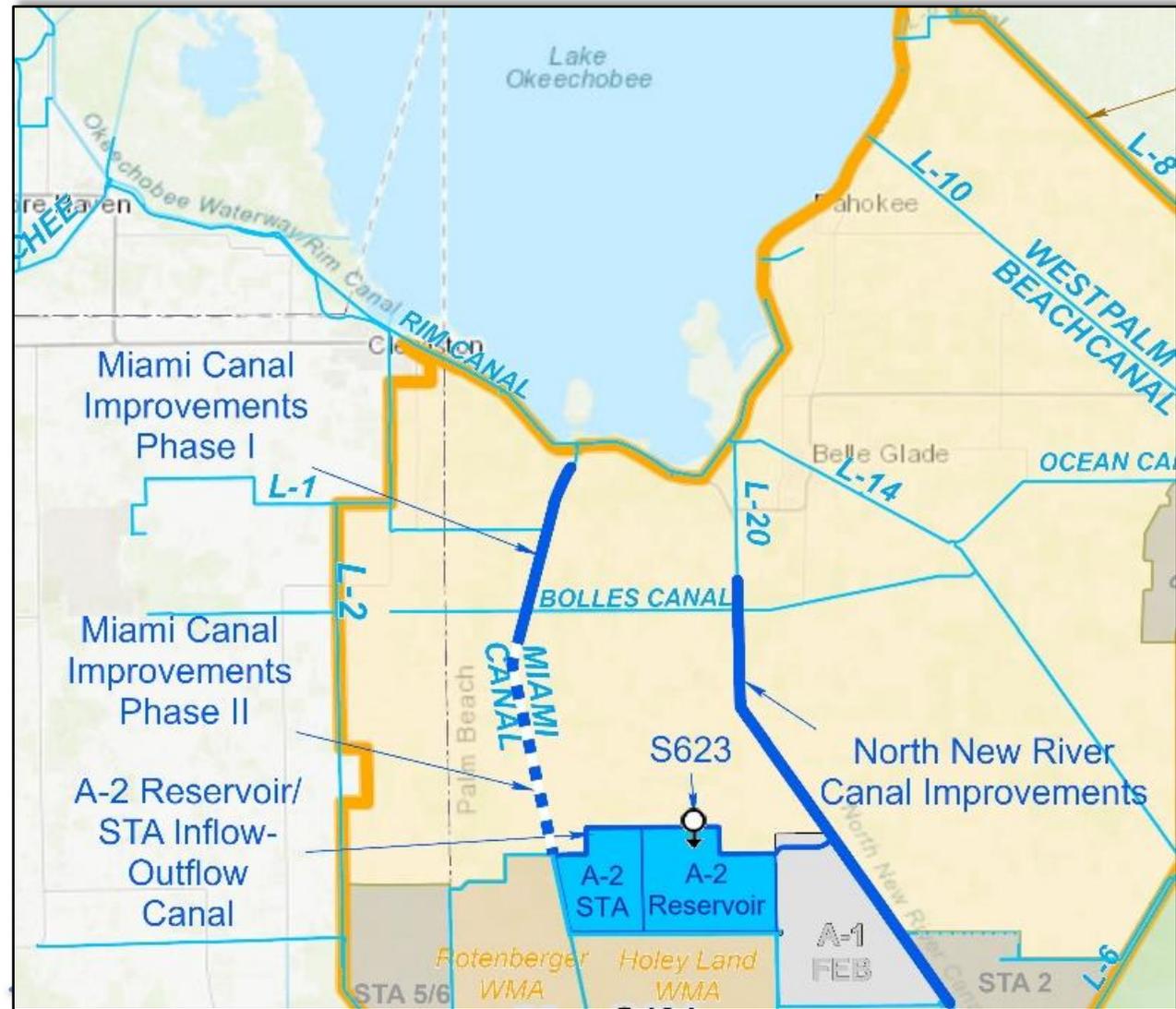


Monitoring platforms installation



Sod installation

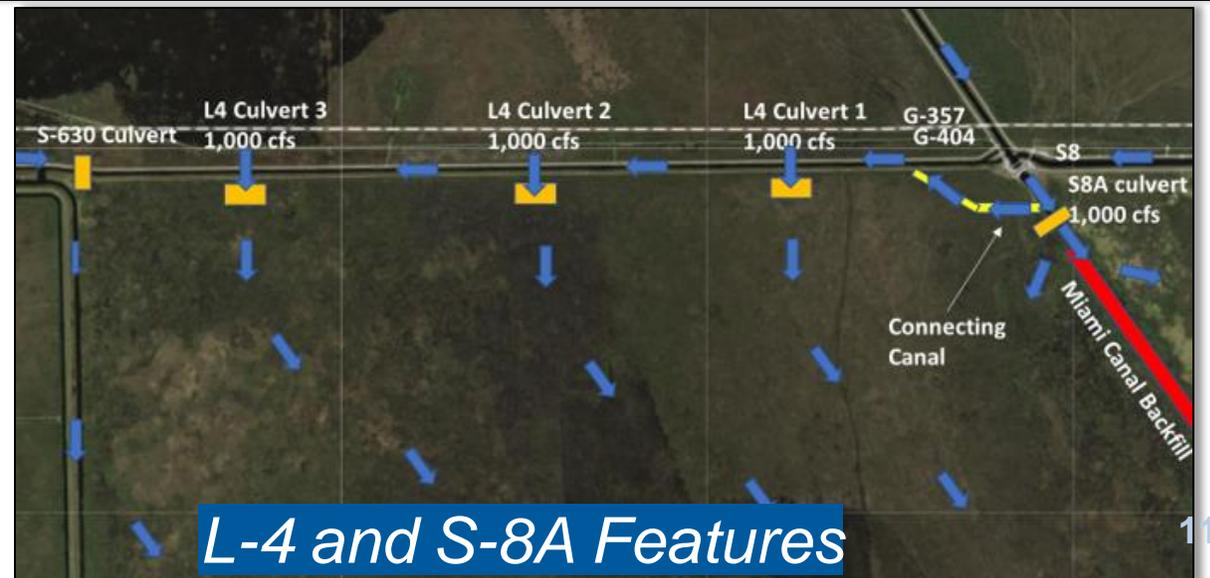
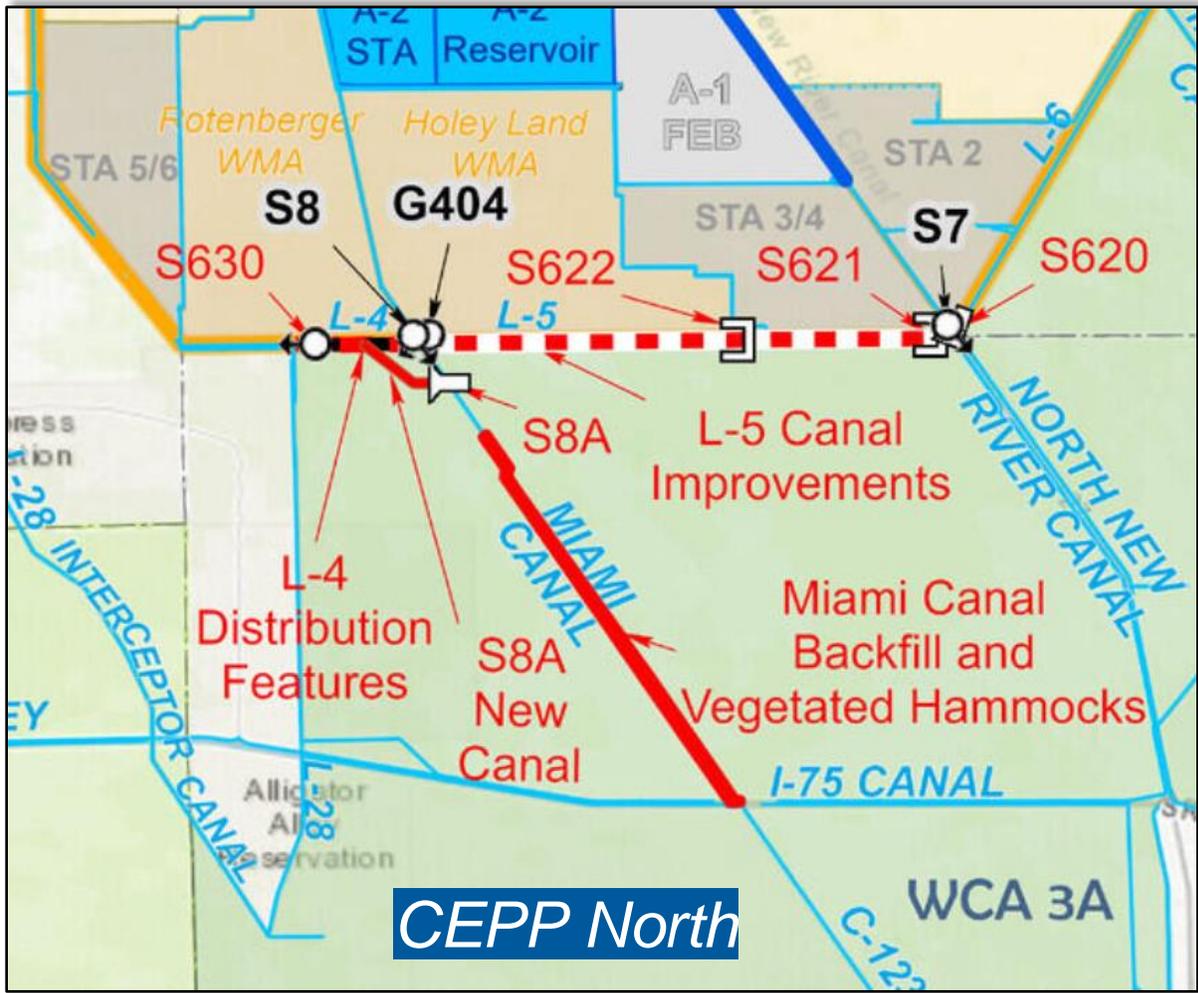
# Central Everglades - EAA Reservoir and STA



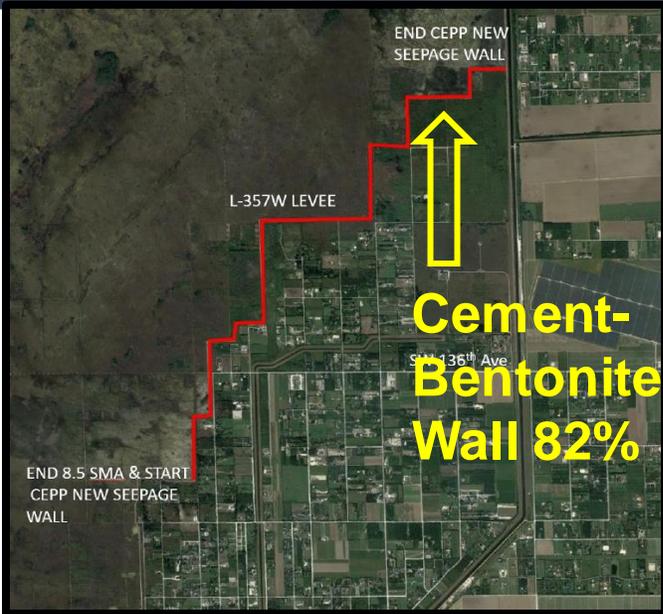
## CEPP EAA Canal Conveyance Improvements

- **North New River Canal-** Contract Award December 2024
- **Miami Canal Phase 1-** FY24
- **Miami Canal Phase 2-** FY25

# CEPP North



# CEPP New Water Seepage Barrier Wall



# Restoring Water Flow to Biscayne Bay

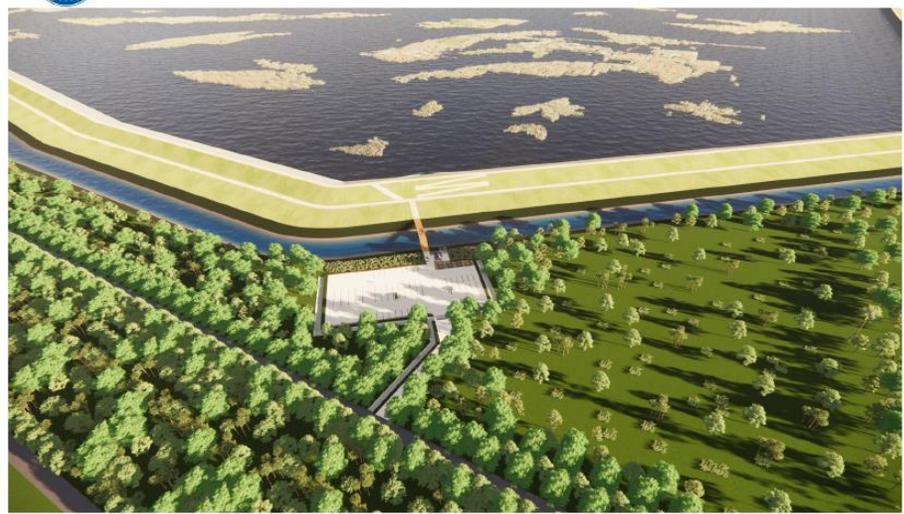


BBCW Cutler Flowway Contracts 6A & 6B

# Restoring the Loxahatchee River Watershed



Loxahatchee River Watershed Restoration Project  
C-18W Reservoir Architectural Rendering



**Flow Way 3**

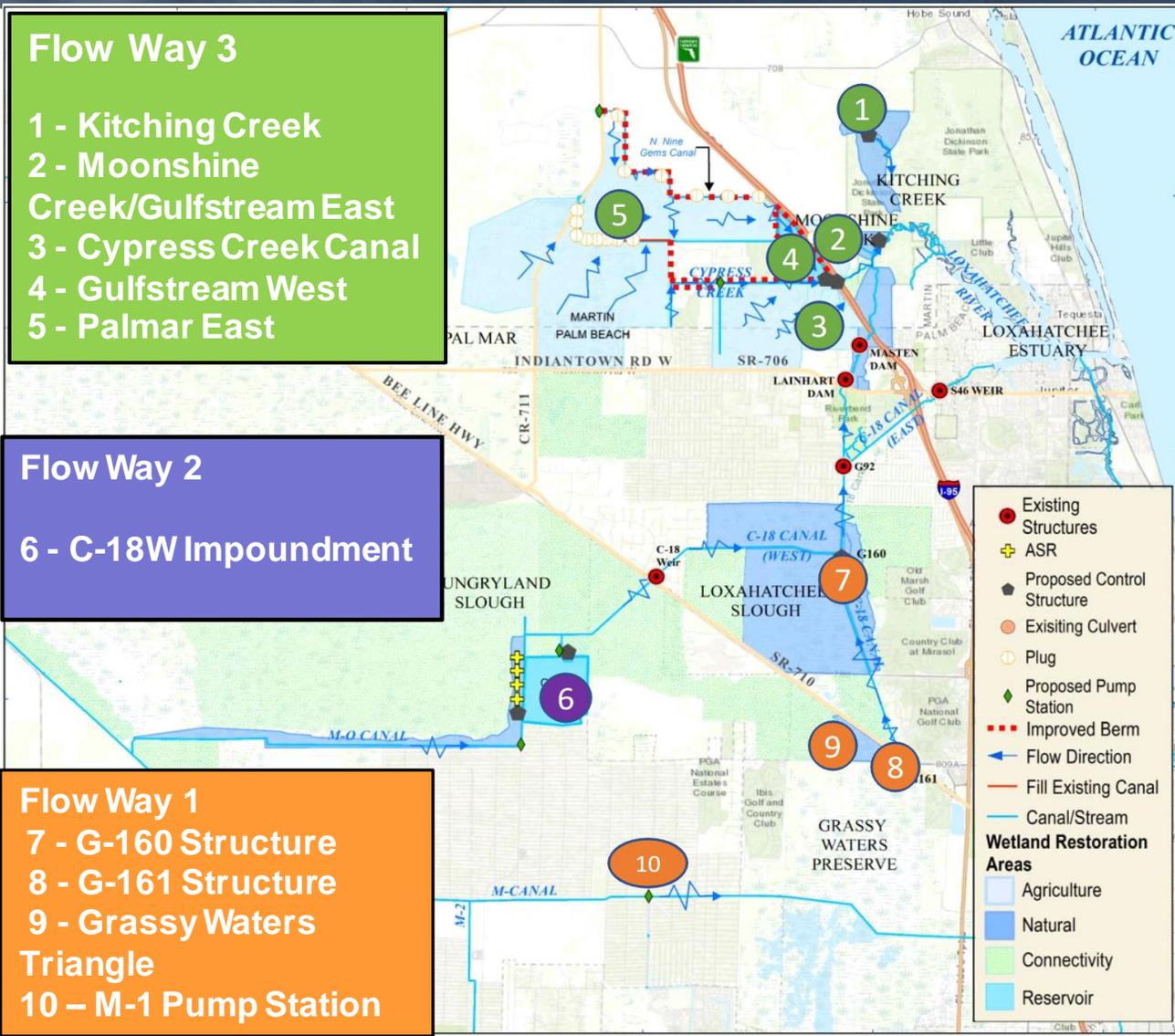
- 1 - Kitching Creek
- 2 - Moonshine Creek/Gulfstream East
- 3 - Cypress Creek Canal
- 4 - Gulfstream West
- 5 - Palmar East

**Flow Way 2**

- 6 - C-18W Impoundment

**Flow Way 1**

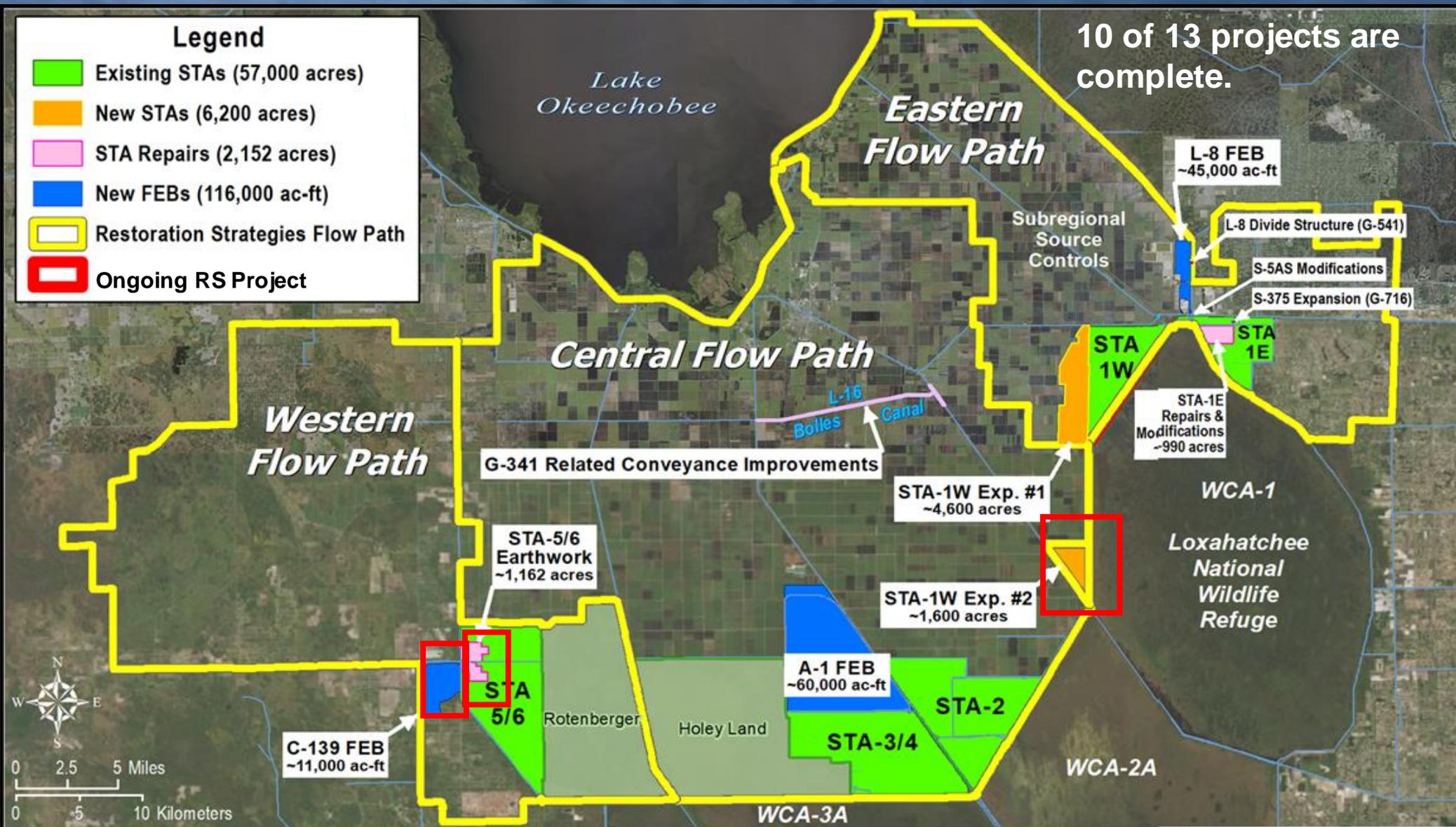
- 7 - G-160 Structure
- 8 - G-161 Structure
- 9 - Grassy Waters Triangle
- 10 - M-1 Pump Station



●	Existing Structures
+	ASR
■	Proposed Control Structure
○	Existing Culvert
●	Plug
◆	Proposed Pump Station
---	Improved Berm
→	Flow Direction
—	Fill Existing Canal
—	Canal/Stream
<b>Wetland Restoration Areas</b>	
■	Agriculture
■	Natural
■	Connectivity
■	Reservoir



# Restoration Strategies



# Restoration Strategies Construction

*C-139 Flow Equalization Basin*



*Pumphouse  
G-550*

# State and Local Projects to Restore Water Resources



Bluefield Grove Water Farm



Brighton Valley Dispersed Water Mgmt



Lakeside Ranch STA



Lake Hicpochee



Sam Jones Abiaki Prairie Wetland Restoration



El Maximo Ranch



Taylor Slough Flow Improvement Project



BOMA



ALJO Four Corners Rapid Infiltration Project



Scott Water Farm

**Questions?**

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