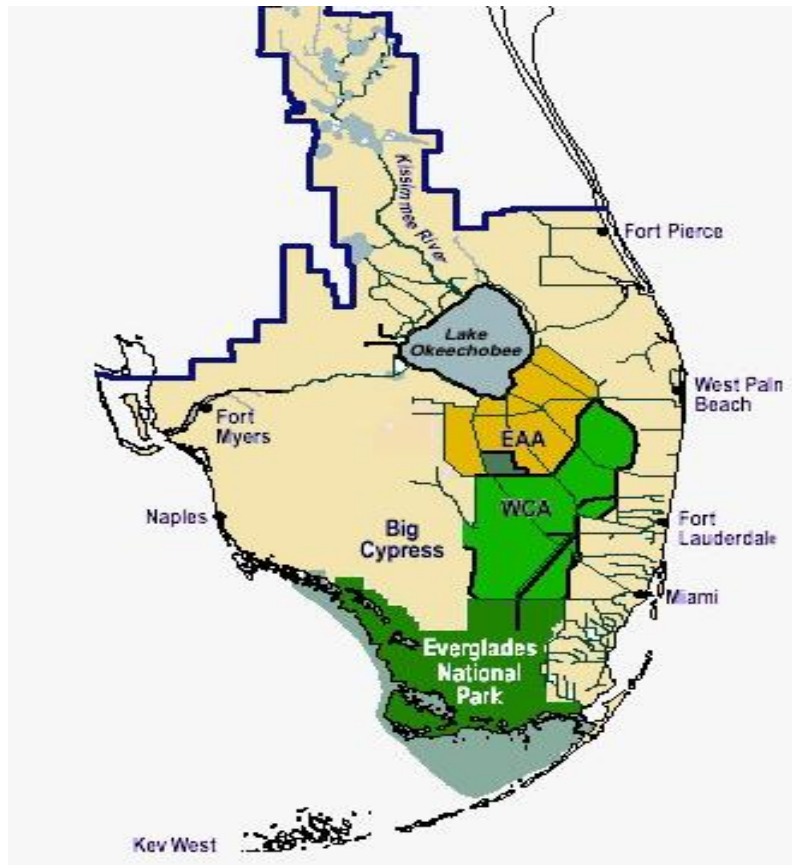
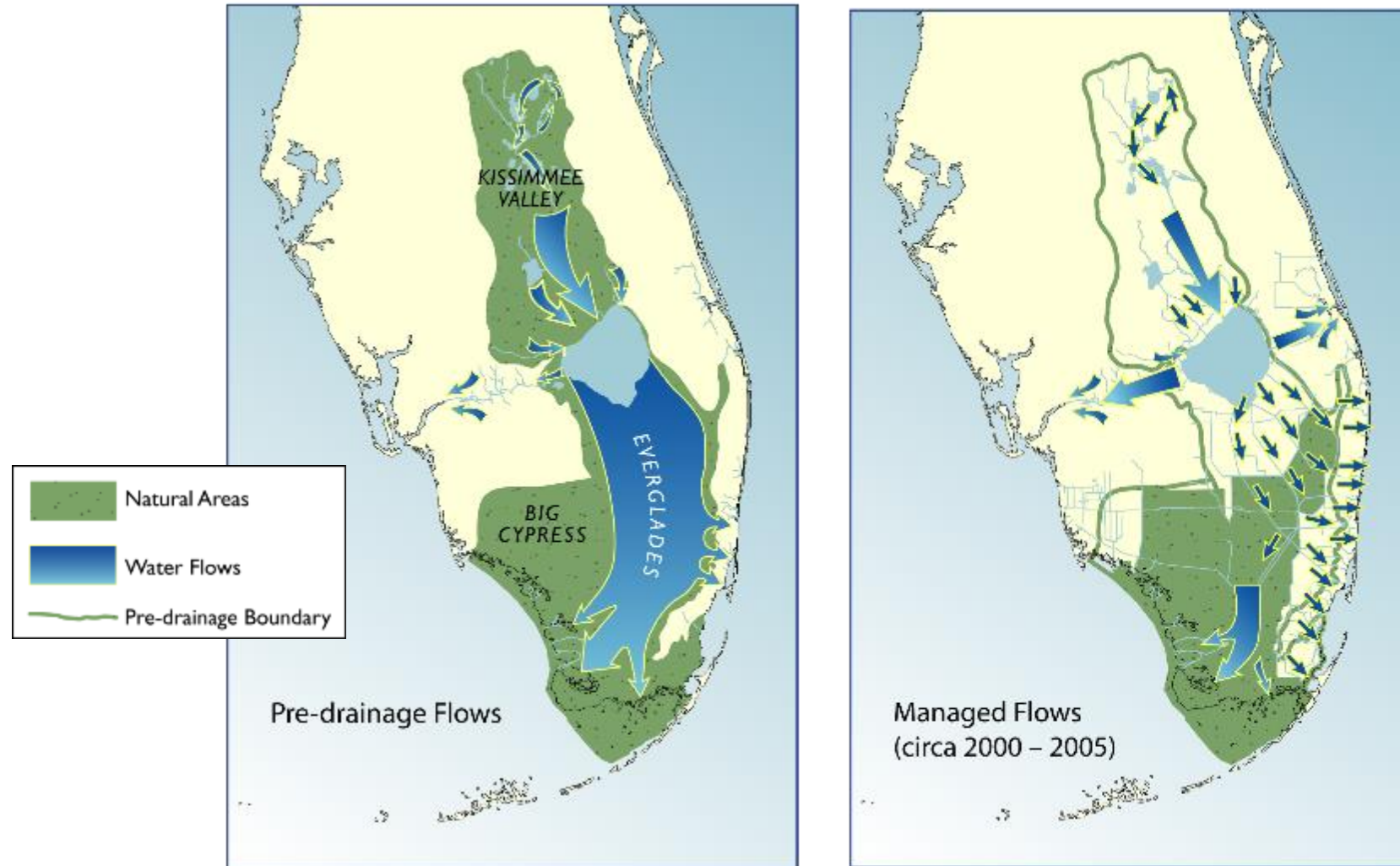


Everglades Agricultural Area A-2 Stormwater Treatment Area (STA)



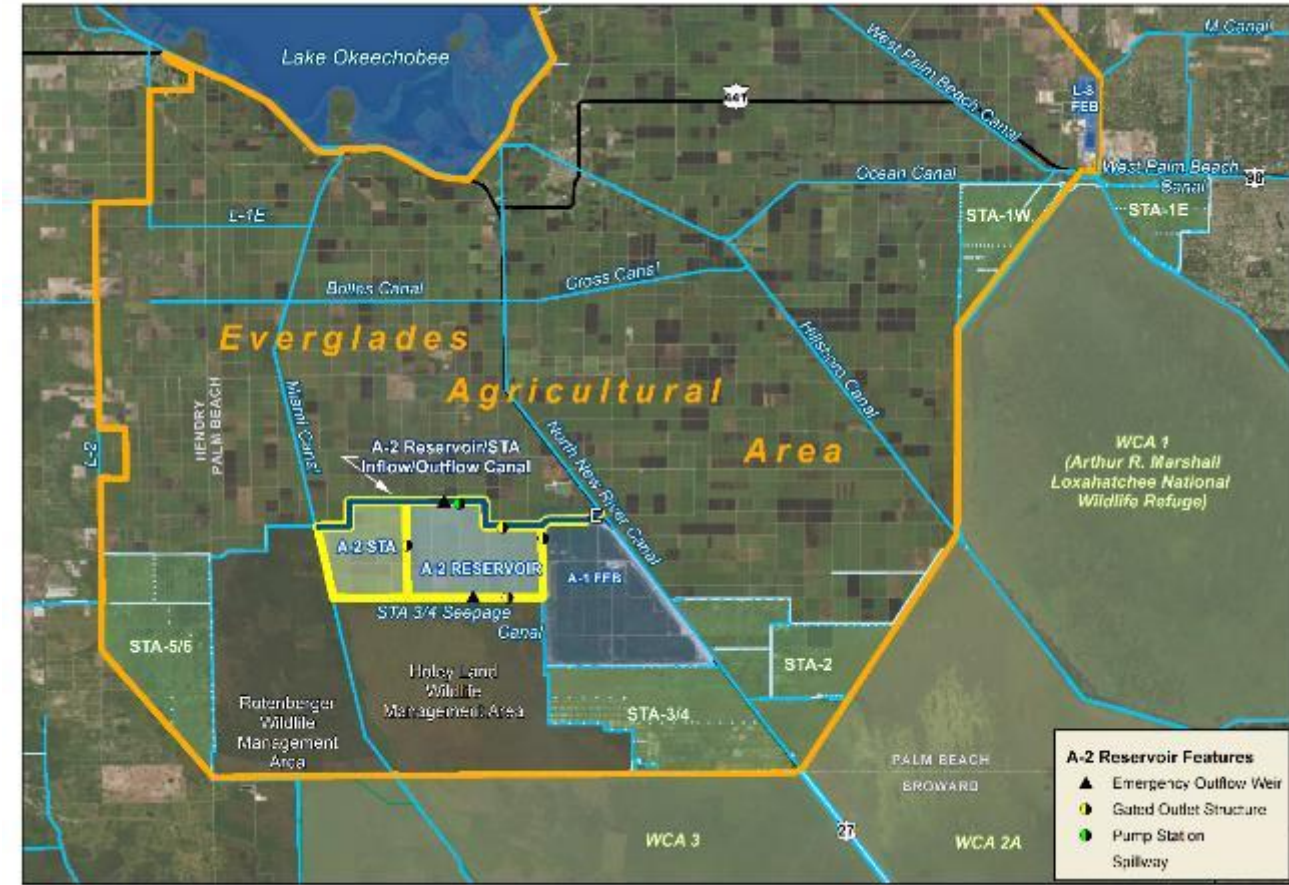
Changes in Hydrology

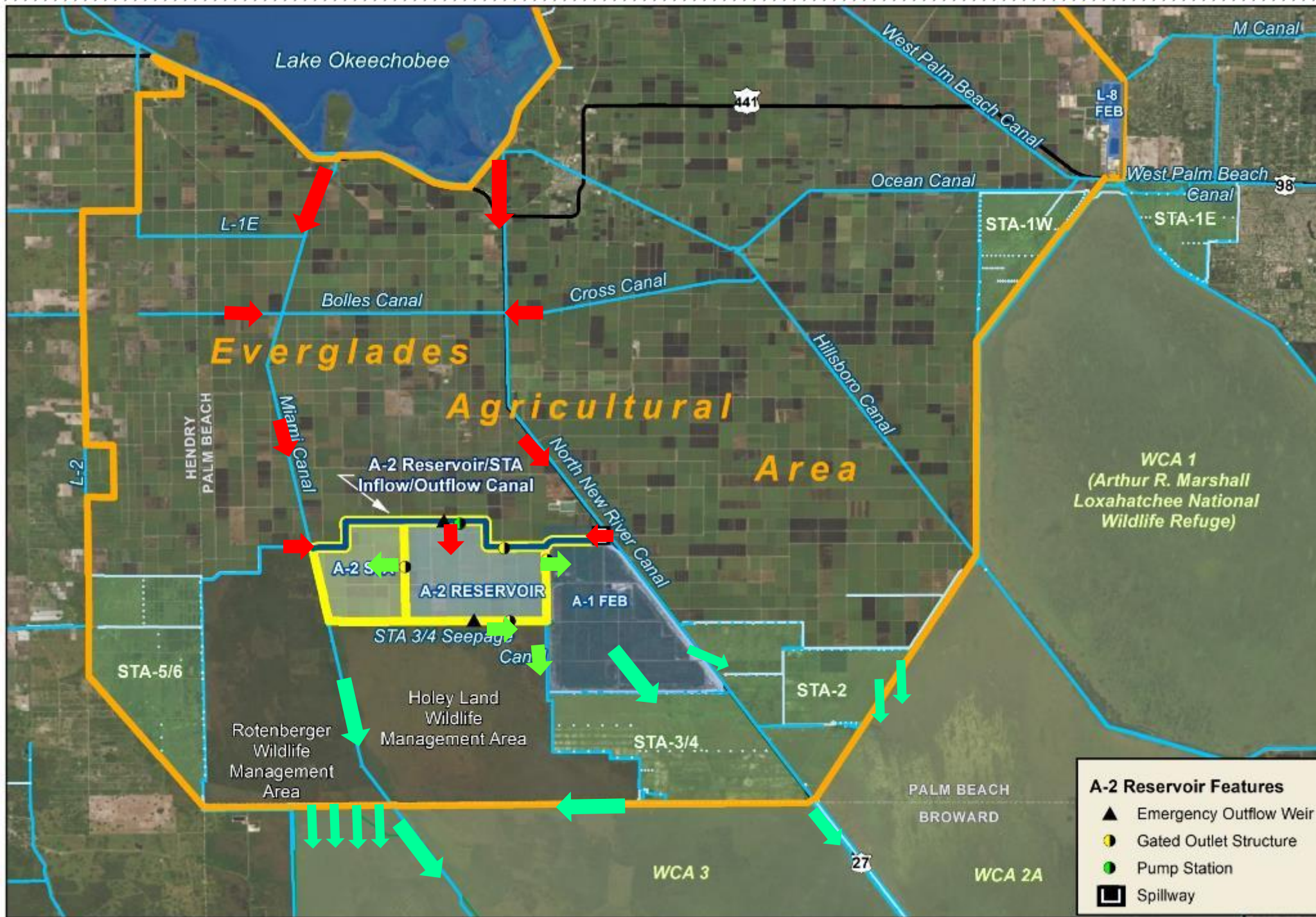


EAA RESERVOIR AND A-2 STA

Alternative C240A

- 240,000-acre-foot reservoir
- 10,500 acres and ~23 feet deep
- 6,500-acre stormwater treatment area
- Multipurpose operations consistent with Comprehensive Everglades Restoration Plan (CERP)
- The full suite of environmental benefits to downstream fish and wildlife occurs when the EAA Reservoir is filled and emptied multiple times throughout the year



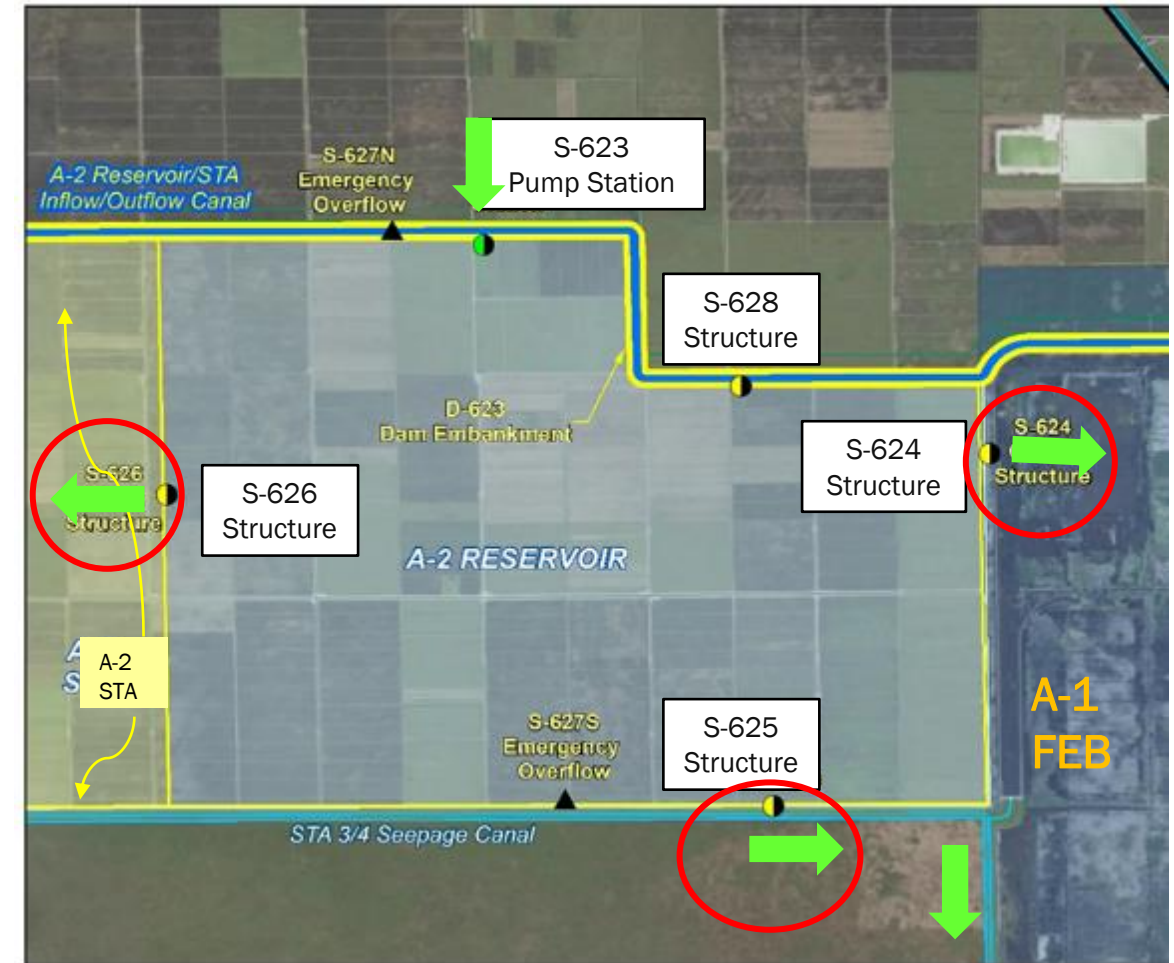


A-2 Reservoir Features

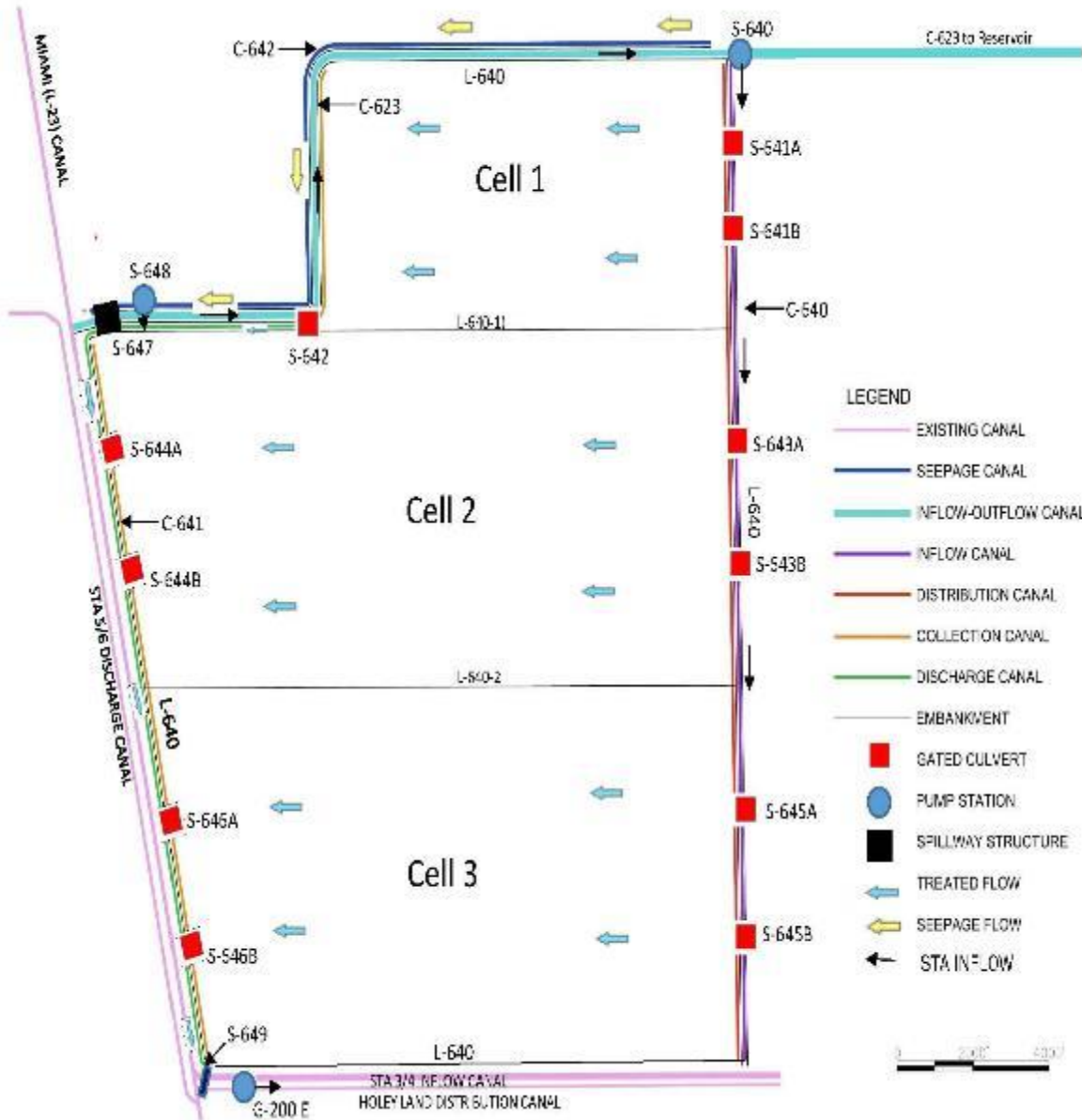
- ▲ Emergency Outflow Weir
- Gated Outlet Structure
- Pump Station
- ▭ Spillway

EAA RESERVOIR

- The additional 240,000 acre-feet of effective detention attenuates EAA basin runoff and Lake Okeechobee regulatory releases
- Water from the EAA Reservoir flows to the A-2 STA, STA-2, STA-3/4, and/or A-1 FEB
- Generally, flows are attenuated during the wet season and carried over into the dry season
- When combined with existing flows from Lake Okeechobee, EAA runoff, the A-1 FEB, and the STAs, the additional water released across “the redline” is 370,000 acre-feet on average annually
- USACE is designing and constructing.



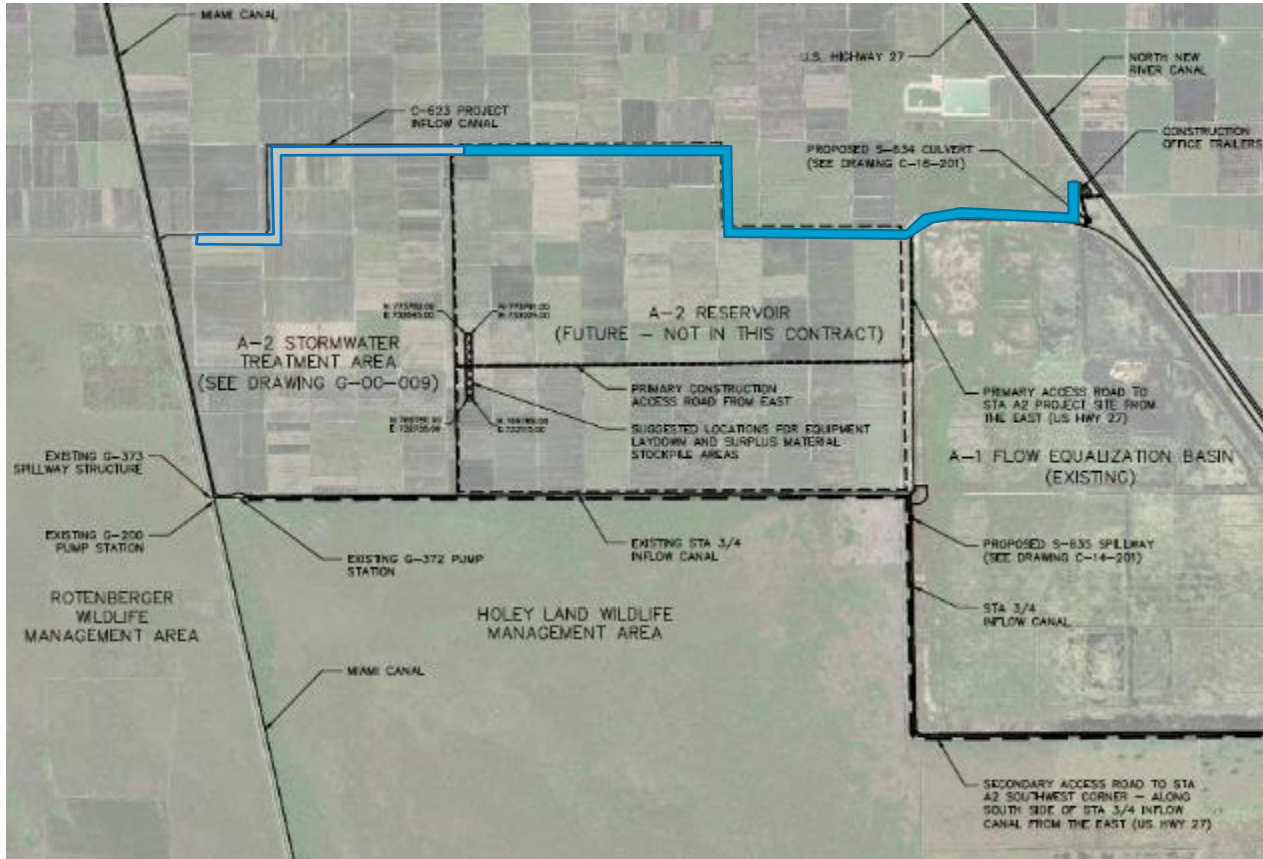
A-2 STORMWATER TREATMENT AREA



The Stormwater Treatment Area was designed and constructed by SFMWD, with Brown and Caldwell as Engineer-of-Record.

- 6,500 AC STA w/ 650 CFS Capacity
- 3,000 CFS Capacity Inflow/Outflow Canal and Spillway Structure
- Seepage Canal with 150 CFS Pump Station
- Temporary 650 CFS Pump Station Allowing STA Operation during Interim Conditions
- 800 CFS Outflow Structure 3-10'x10' Sag Box Culverts
- 3 Treatment Cells, Canals & Embankments
- 6 Inflow Water Control Structures
- 5 Outflow Water Control Structures

EAA - Inflow/Outflow Canal

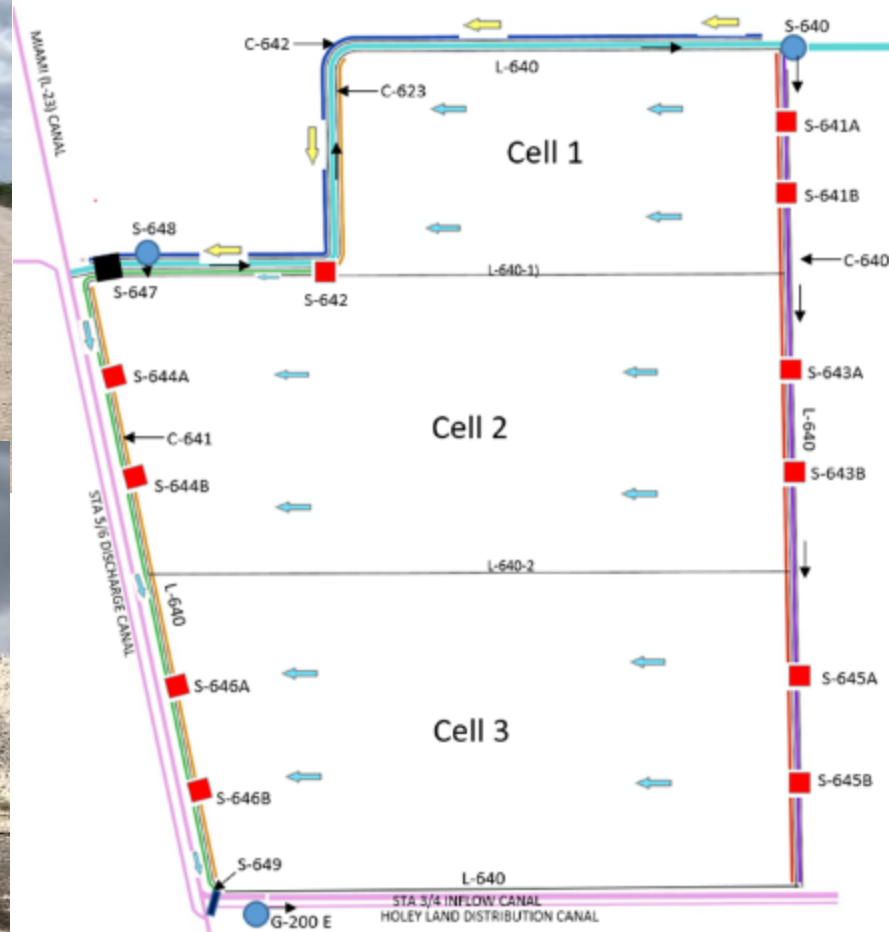


■ Inflow/Outflow Canal Construction

- \$23.4M
- 4.5-miles Seepage, I/O Canals and Levees
- 8-miles FPL Distribution Corridor
- Final Completion October 2022



EAA - Stormwater Treatment Area



■ STA Construction

- Levees
- Distribution and collection canals
- Control structures
- Temporary inflow pump station
- Seepage pump station
- Cell bottom levelling

■ \$176M Original Contract

■ NTP Mar 15, 2021

■ Substantial Completion scheduled for July 2024

EAA - Inflow/Outflow Canal



EAA - Inflow/Outflow Canal



EAA - Inflow/Outflow Canal



EAA - A2 STA S647 Spillway



EAA - A2 STA S647 Spillway



EAA - A2 STA S640 Temporary Pump Station



EAA - A2 STA Inflow and Distribution Canals



EAA - A2 STA Collection Canals



EAA - A2 STA S649 Sag Culvert



Typical STA Vegetation

- **Goal is to create a mixed marsh**
- EAV - Emergent Aquatic Vegetation (Cattail, Bullrush)
- SAV - Submerged Aquatic Vegetation (Muskgrass, Coontail)



Questions/Discussion

