

SFWMD Program and Project Update

Working Group/ Science Coordination Group Meeting

June 23, 2020

Megan Jacoby, Principal Federal Policy Analyst
Ecosystem Restoration & Capital Projects

SOUTH FLORIDA ECOSYSTEM RESTORATION PROJECTS

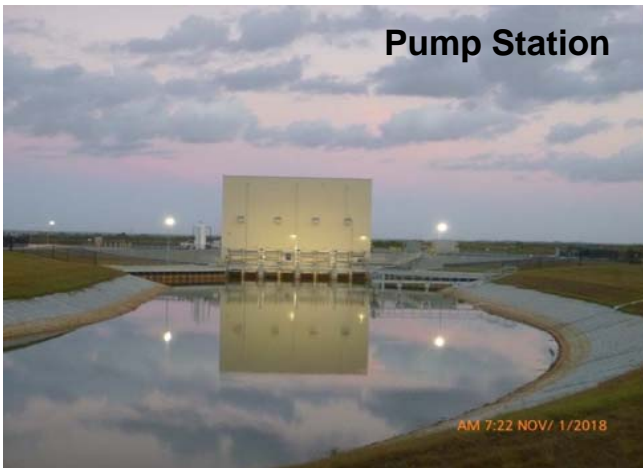
C-44 Reservoir & STA

Reservoir



- SFWMD Projects:
 - S-404 Spillway - complete
 - Pump Station – complete
 - STA – construction schedule
 - Cells 1-5 complete
 - Cell 6 in 2020
- USACE Project:
 - Reservoir – construction ongoing

Pump Station



STA



S-404 Spillway





Distribution Canal looking West



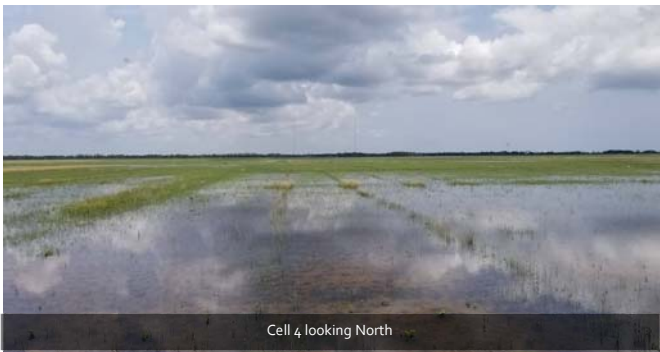
Hydration Station



Cell 2 looking North



Cell 5 grading



Cell 4 looking North

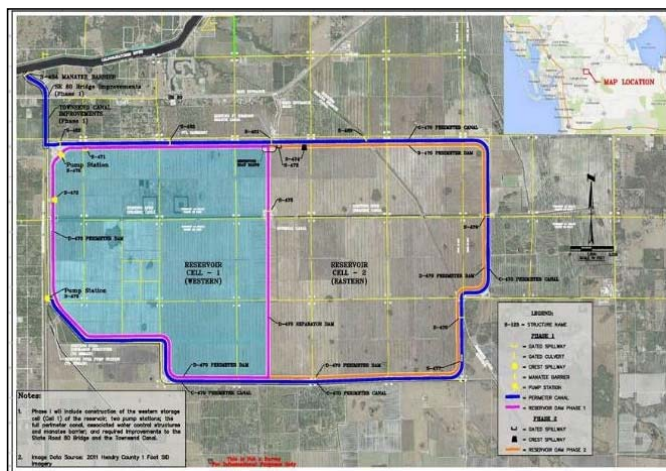
C-44 STA

Presenter – Megan Jacoby

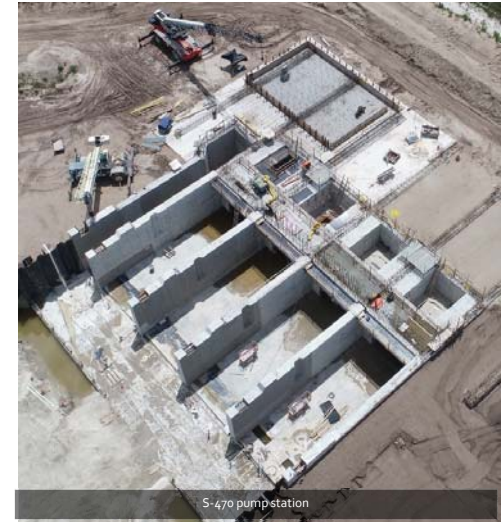
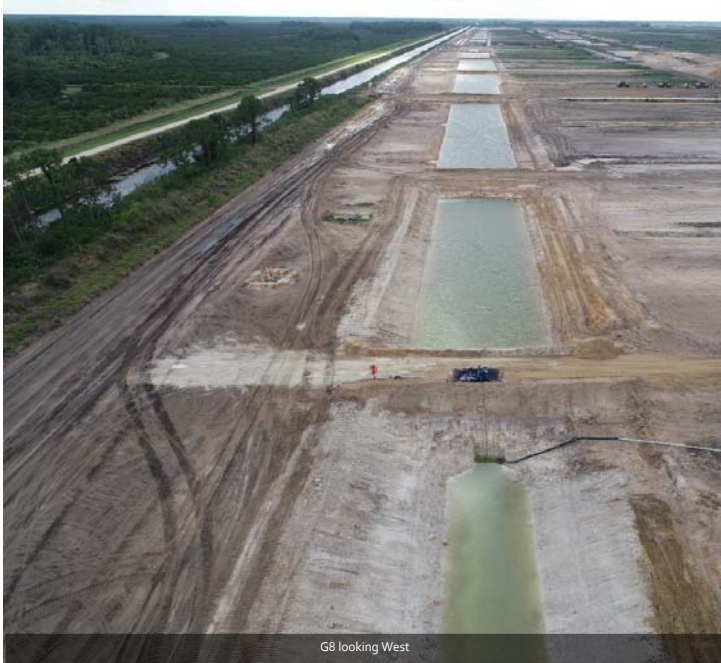
C-43 Reservoir

➤ State began construction in 2015

- Package 1: Preload and Demolition – Complete
- Package 2: Construction of S-476 (195 cfs) Pump Station completion – April 2019
- Package 3: S-470 (1500 cfs) Pump Station completion - Spring 2022
- Package 4: Civil works completion – 2023



Presenter – Meqan Jacoby



C-43 Reservoir Construction

Presenter – Megan Jacoby

Central Everglades Planning Project

- Old Tamiami Trail Removal
 - Under construction
 - Expected completion January 2022
 - Powerline removal expected July 2020

- S-333N
 - Under construction
 - Expected completion August 2020

- CEPP South PPA



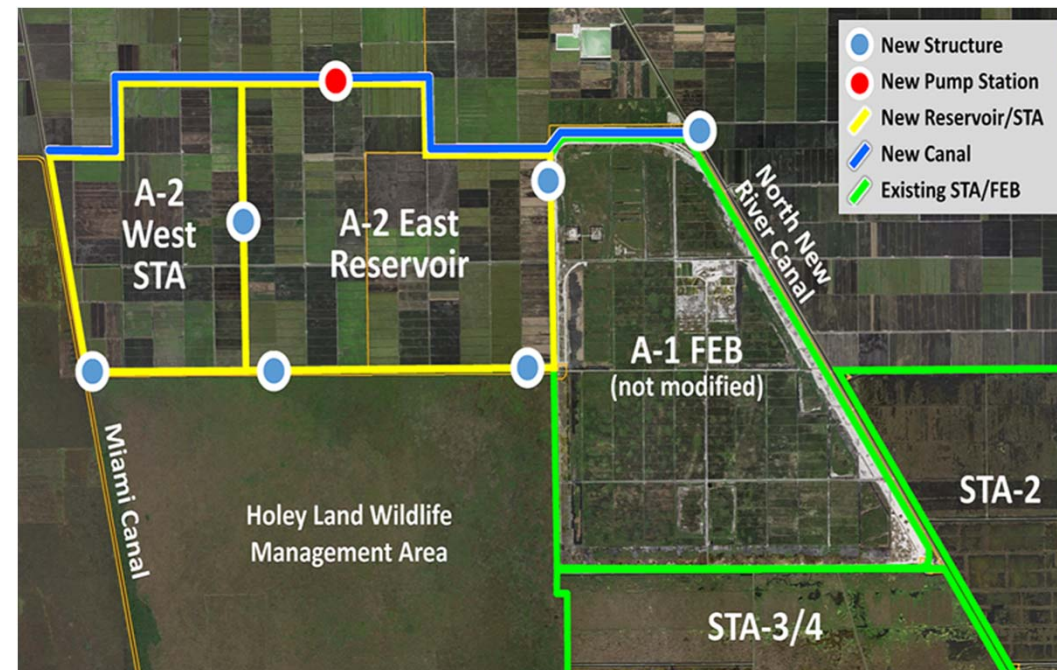
Everglades Agricultural Area STA

➤ Canal Conveyance Improvements

- Expedited site investigations of Miami and North New River Canal Conveyance
- Preliminary design for channel improvements expected June 2020

➤ Stormwater Treatment Area

- Expedited design of the A-2 STA
- Began construction for Inflow/Outflow Canal with site preparation April 2020
- Expedited design of the A-2 STA
- Began construction for Inflow/Outflow Canal with site preparation April 2020



Everglades Agricultural Area STA

➤ Stormwater

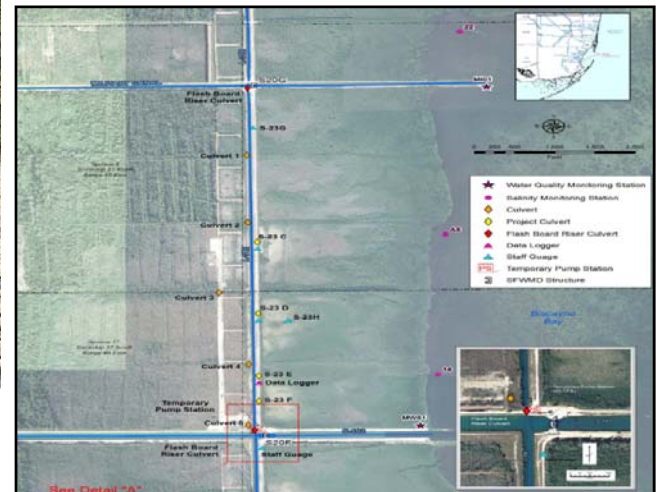
Treatment Area

- Pre-Partnership Credit Agreement executed May 2020
- Issued Notice to Proceed for Inflow/Outflow construction June 2020
- STA Intermediate Design due July 2020
- Construction expected January 2021



Biscayne Bay Coastal Wetlands

- Deering Estate – complete
- L-31E:
 - L-31E culverts – complete
 - Design of S-709 – complete
 - Design of remaining features - underway
- Cutler Wetlands design update – underway
 - Survey, geotech and modeling
- Biscayne Bay and Southeastern Everglades Restoration (BBSEER)
 - Project Management Plan- complete
 - Study begins July 2020

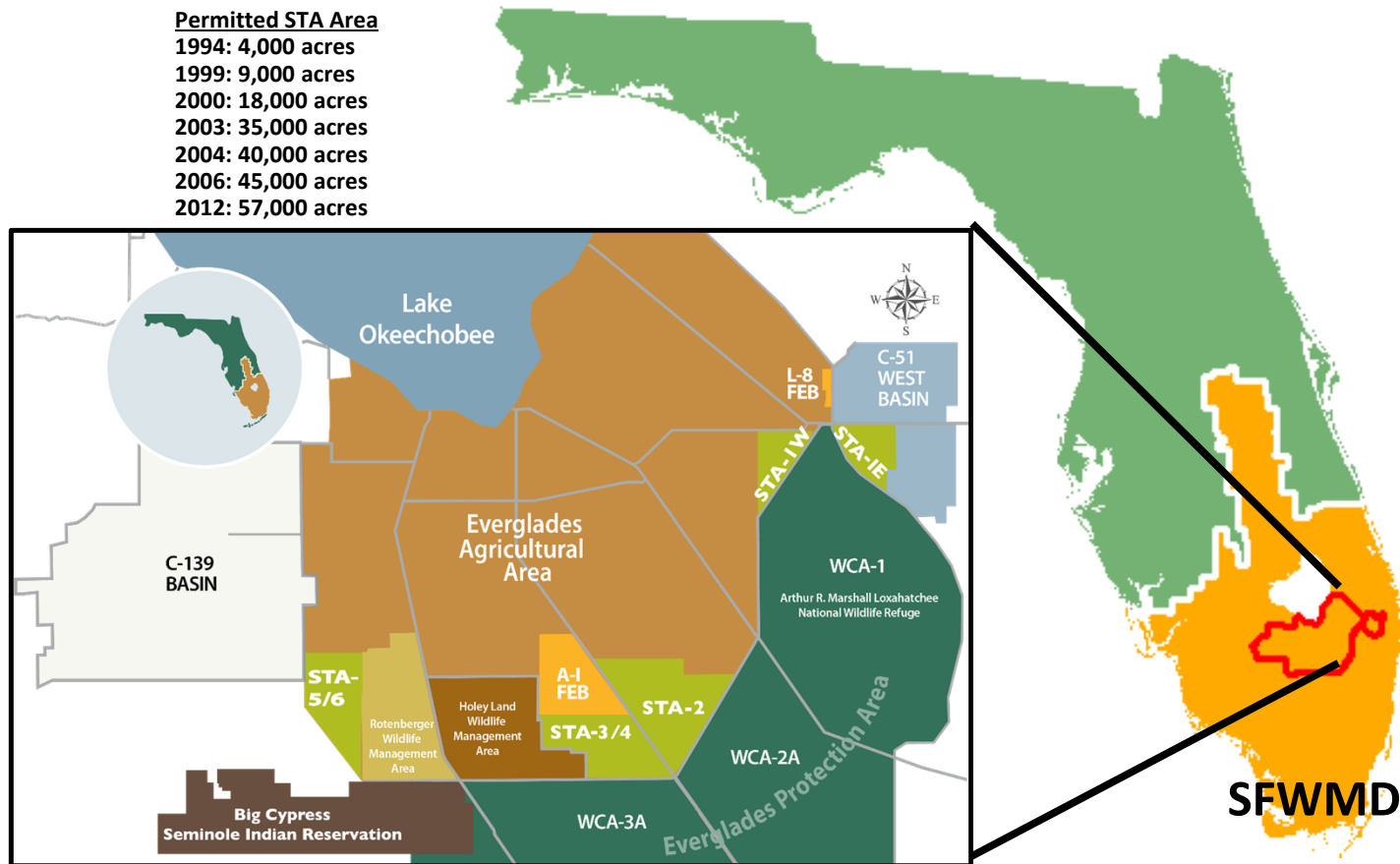


Presenter – Megan Jacoby

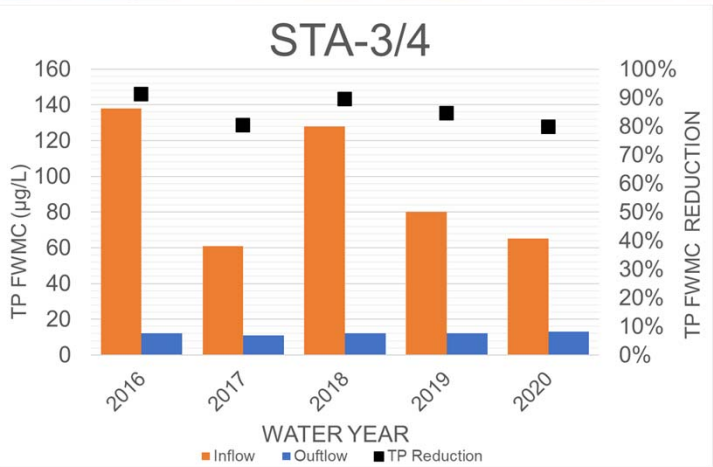
STATE PROGRAMS

Stormwater Treatment Areas (STAs)

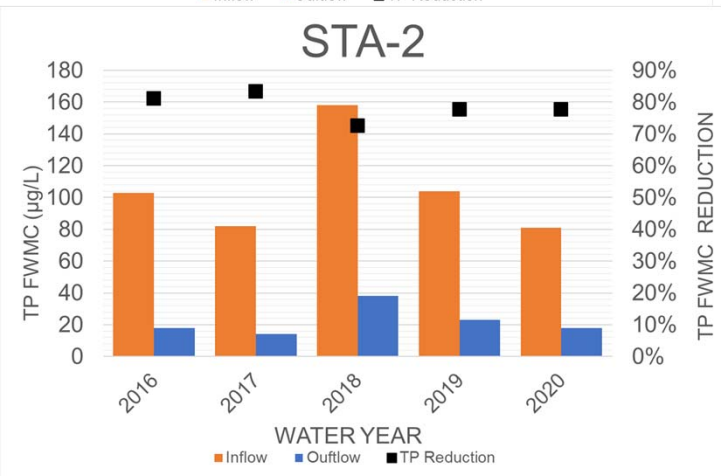
Permitted STA Area
1994: 4,000 acres
1999: 9,000 acres
2000: 18,000 acres
2003: 35,000 acres
2004: 40,000 acres
2006: 45,000 acres
2012: 57,000 acres



All STAs Performance Comparison by Water Year (WY)

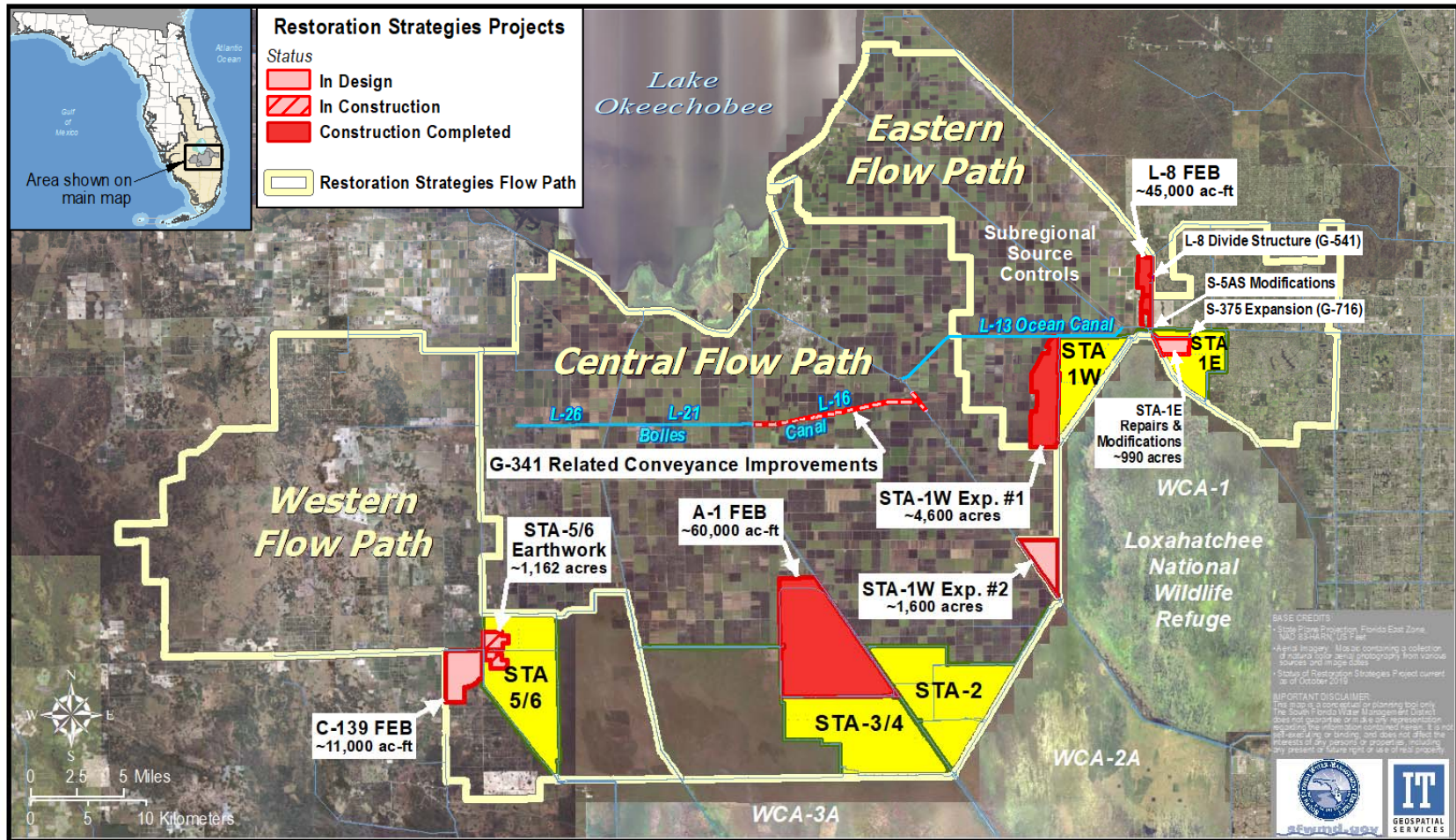


	WY2016	WY2017	WY2018	WY2019	WY2020
Total Inflow (K acre-feet)	1,329	1,090	1,616	1,438	987
Lake Releases (K acre-feet)	291	249	160	470	153



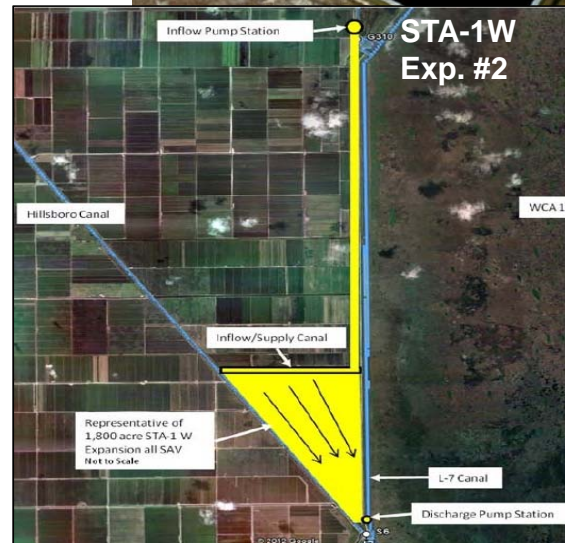
- Phosphorus reduction throughout all STAs is ~80%
- Quantity and timing of water delivery can impact STA performance

Restoration Strategies: Key Projects

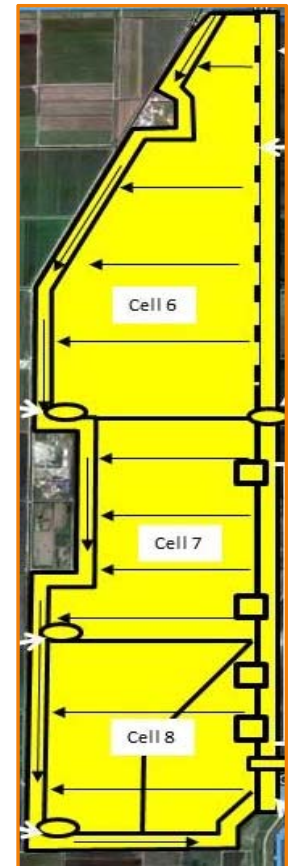


RS - Eastern Flowpath

- Construction complete
 - L-8 FEB construction
 - STA-1W Expansion #1 construction
- 4 projects underway
 - STA-1E Repair and Modification – flooding and optimization period complete by November 2022
 - STA-1W Expansion #1 – optimization complete by December 2020
 - STA-1W Expansion #2 – design complete by July 2020
 - G-341 Related Conveyance Improvements – Sections 1 & 2 complete, Sections 3 & 4 under construction

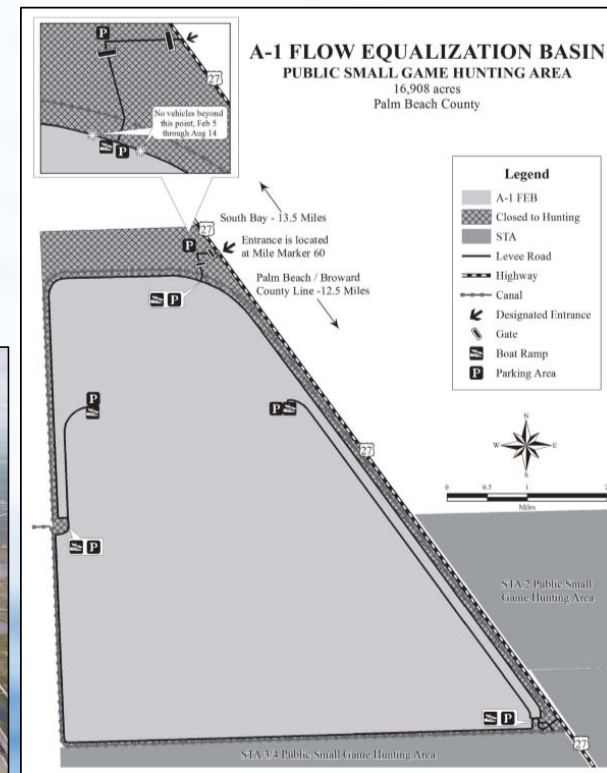


STA-1W Exp. #1



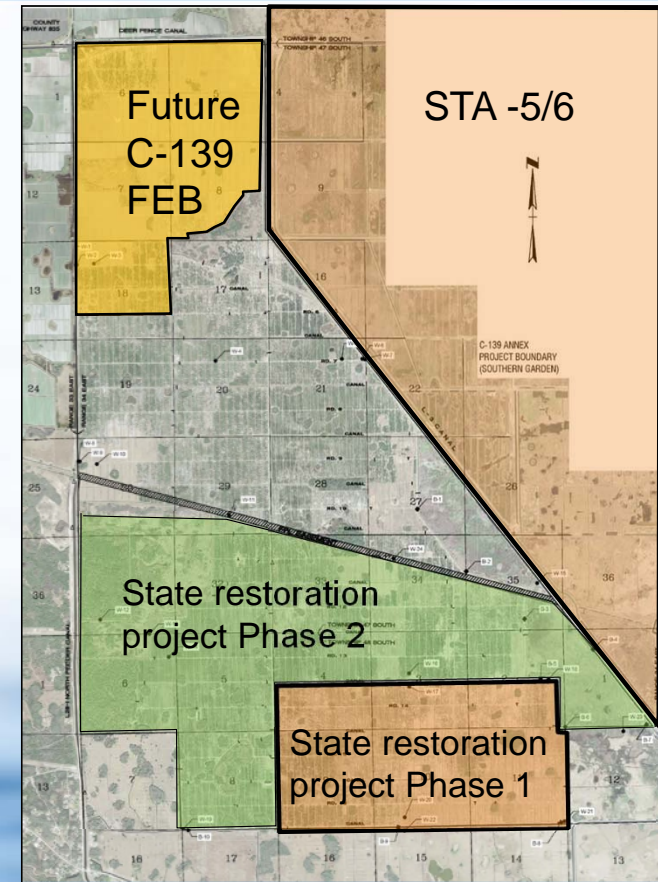
RS - Central Flowpath

➤ A-1 FEB Complete



RS - Western Flow Path

- 2 projects underway
 - STA 5/6 Improvements
 - Construction completed in May 2020
 - Initial flooding and optimization period by Dec 2025
 - C-139 FEB
 - Final Design by October 2020



DISCUSSION