

Program & Project Update

South Florida Ecosystem Restoration
Task Force
Working Group/ Science Coordination Group

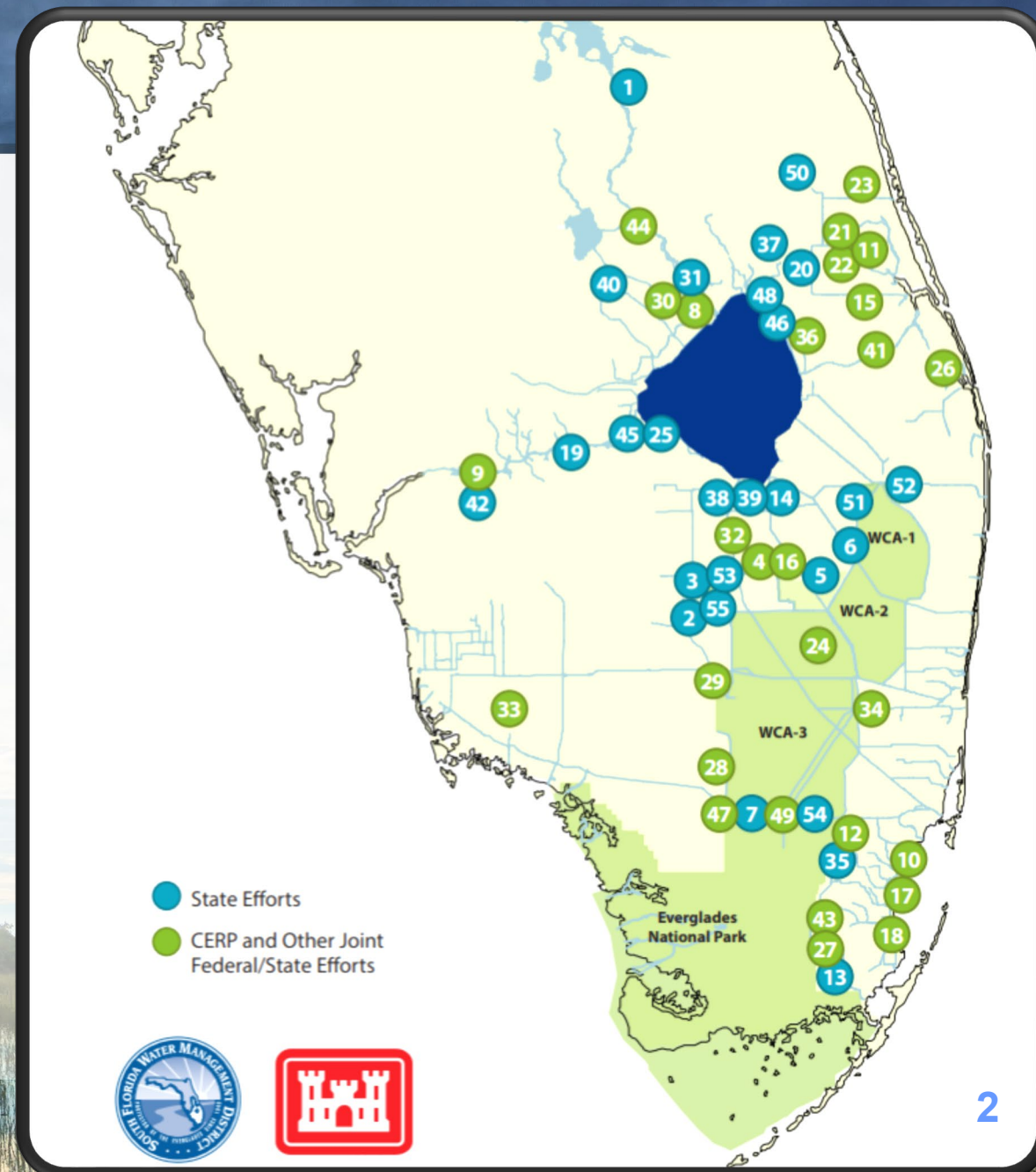
January 16, 2024

Mindy Parrott
Principal Federal Policy Analyst
Ecosystem Restoration Division

Ecosystem Restoration Programs

- Federal Projects
 - CERP & Foundation Projects

- State & Local Projects
 - Restoration Strategies
 - Northern Everglades and Estuaries Program
 - Dispersed Water Management
 - Other Local Projects



2023 Highlights

- Broke ground on the EAA Reservoir with USACE!
- Caloosahatchee C-43 Reservoir is back on track & Pump Station is complete
- Began construction of CEPP North and BBCW Cutler Wetland Restoration
- New seepage barriers enhanced delivery of water to Everglades National Park and Florida Bay
- Three new Dispersed Water Management Projects
- Taylor Slough Flow Improvement Project completed
- Advanced below ground (ASR) and above ground storage north of Lake Okeechobee (LOCAR)
- Acquired 11,000 acres of critical Panther habitat in Green Heart of the Everglades



What's in Store for 2024?

➤ Complete construction:

- Everglades Agricultural Area (EAA) STA
- CEPP New Water Seepage Barrier (5 miles)
- CEPP North S-620

FY 24: Over \$668M for SFER and NEEP

➤ Start construction:

- Everglades Agricultural Area (EAA) A-2 Reservoir Pump Station and Canal Conveyance Improvements
- Indian River Lagoon- South (IRL-S) C-23/24 South Reservoir and C-25 Reservoir & STA
- Biscayne Bay Coastal Wetlands (BBCW) Contract 6B
- Western Everglades Restoration Project (WERP) L-28 South Gated Culverts
- CEPP North S-8 Pump Station Modifications Phase 1

➤ Planning Studies Ready for the Water Resources Development Act of 2024: LOCAR, WERP, LOWRP

Expediting Northern Storage - LOCAR

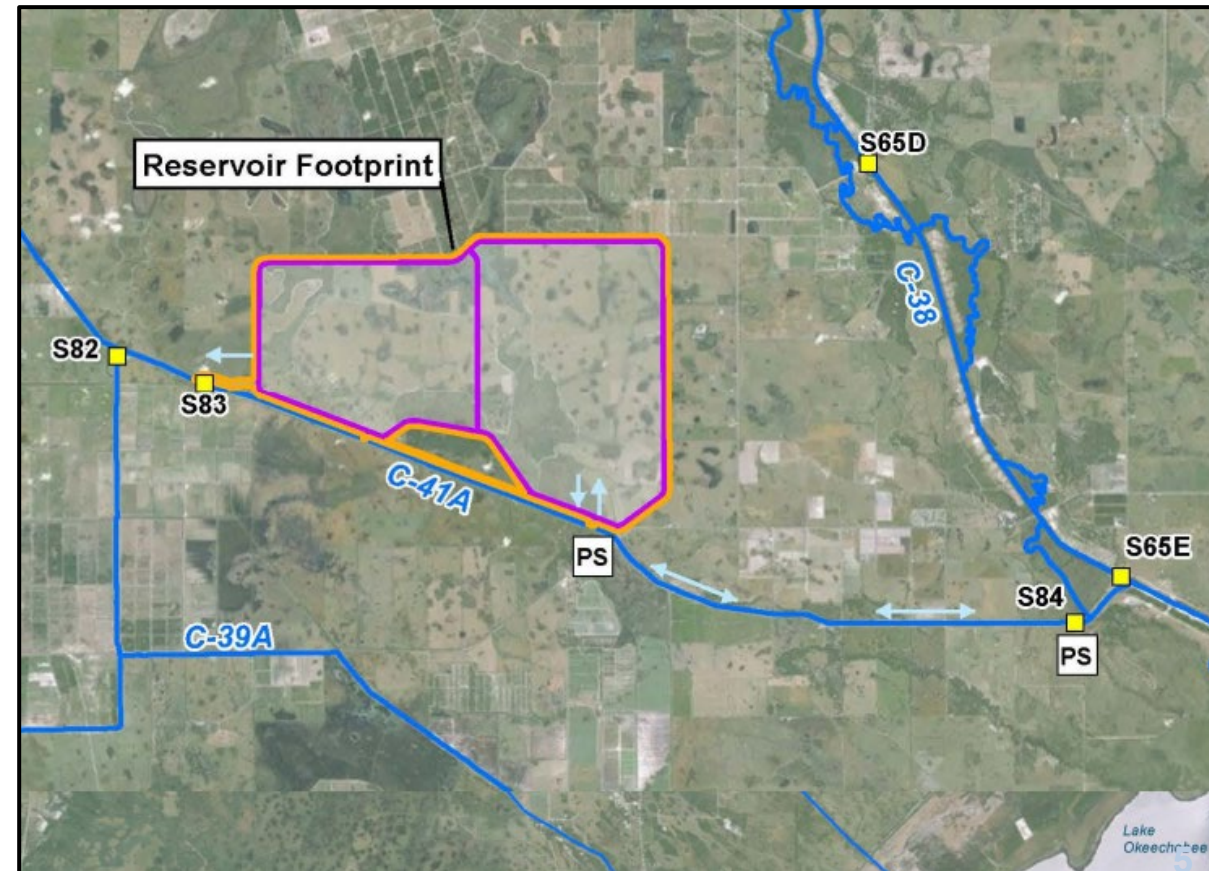
- SFWMD is preparing a Feasibility Study under Section 203 of the Water Resources Development Act
- Evaluate Component A of CERP- 200,000 ac-ft above ground storage reservoir
- Purpose is to retain water during wet periods for later use during dry periods to benefit Lake Okeechobee

LOCAR Planning Schedule:

- ✓ Project Scoping – April 2023
- ✓ Identify Alternatives/Recommended Plan- May 2023
- ✓ Draft Feasibility Study & Draft EIS Released- October 23, 2023
- Final Feasibility Study and Final EIS to ASA(CW)- February 2024

Information on the LOCAR project can be found at: www.sfwmd.gov/LOCAR

Lake Okeechobee Component A Reservoir (LOCAR) Recommended Plan



Aquifer Storage & Recovery for Lake Okeechobee- LOWRP



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

2022 Aquifer Storage and Recovery
SCIENCE PLAN
DRAFT - OCTOBER 2022

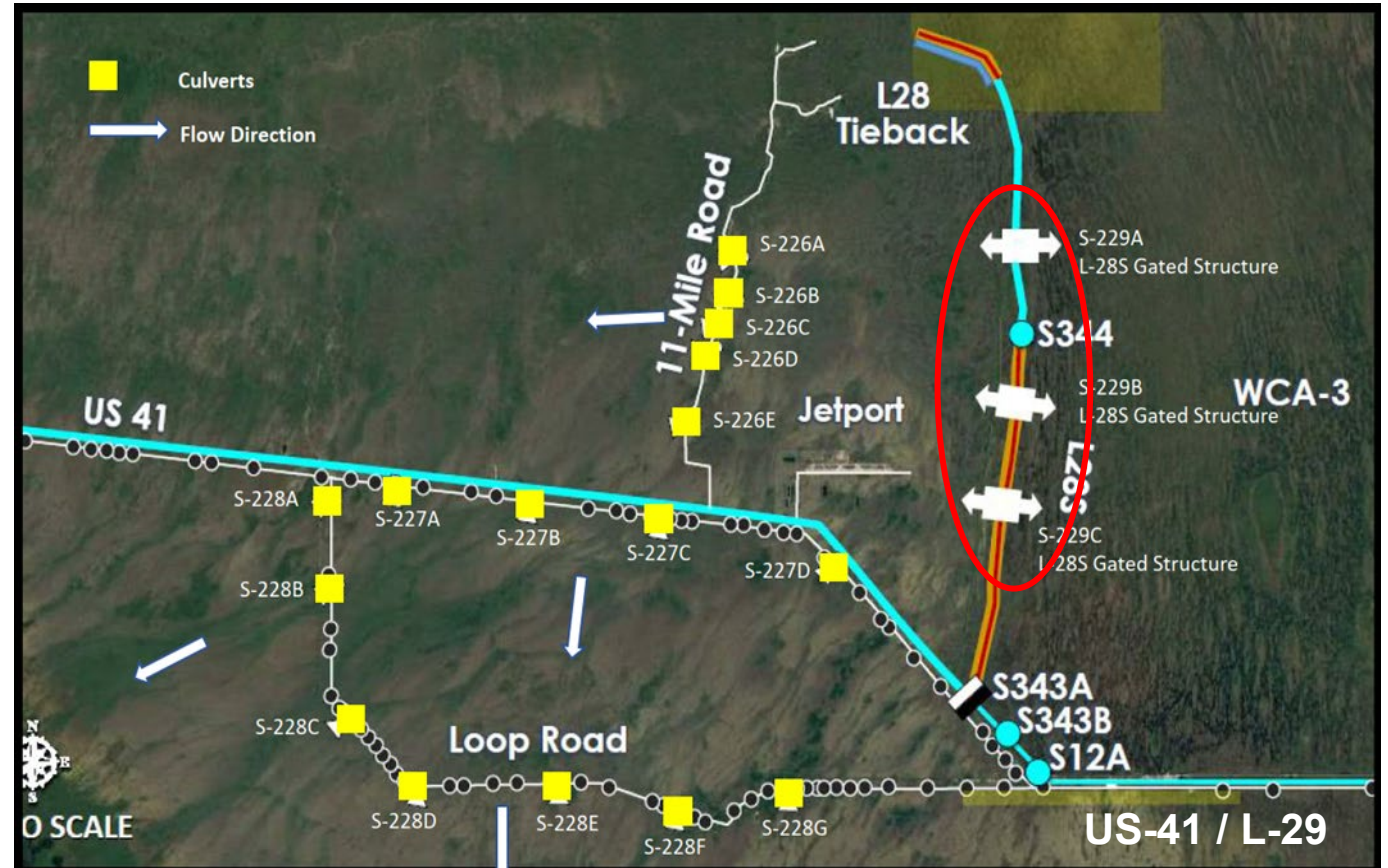
Mechanical Integrity Test at L63N	Test/Exploratory Well Drilling at C38S	Proof of Concept Testing Kissimmee River ASR Well

L63N Continuous Coring Program Samples

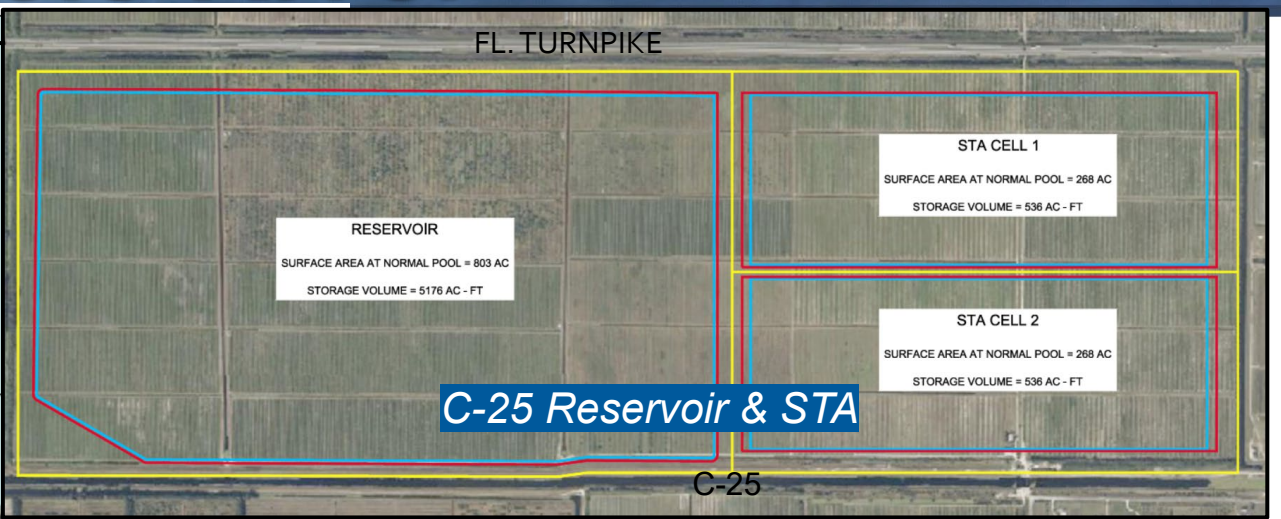
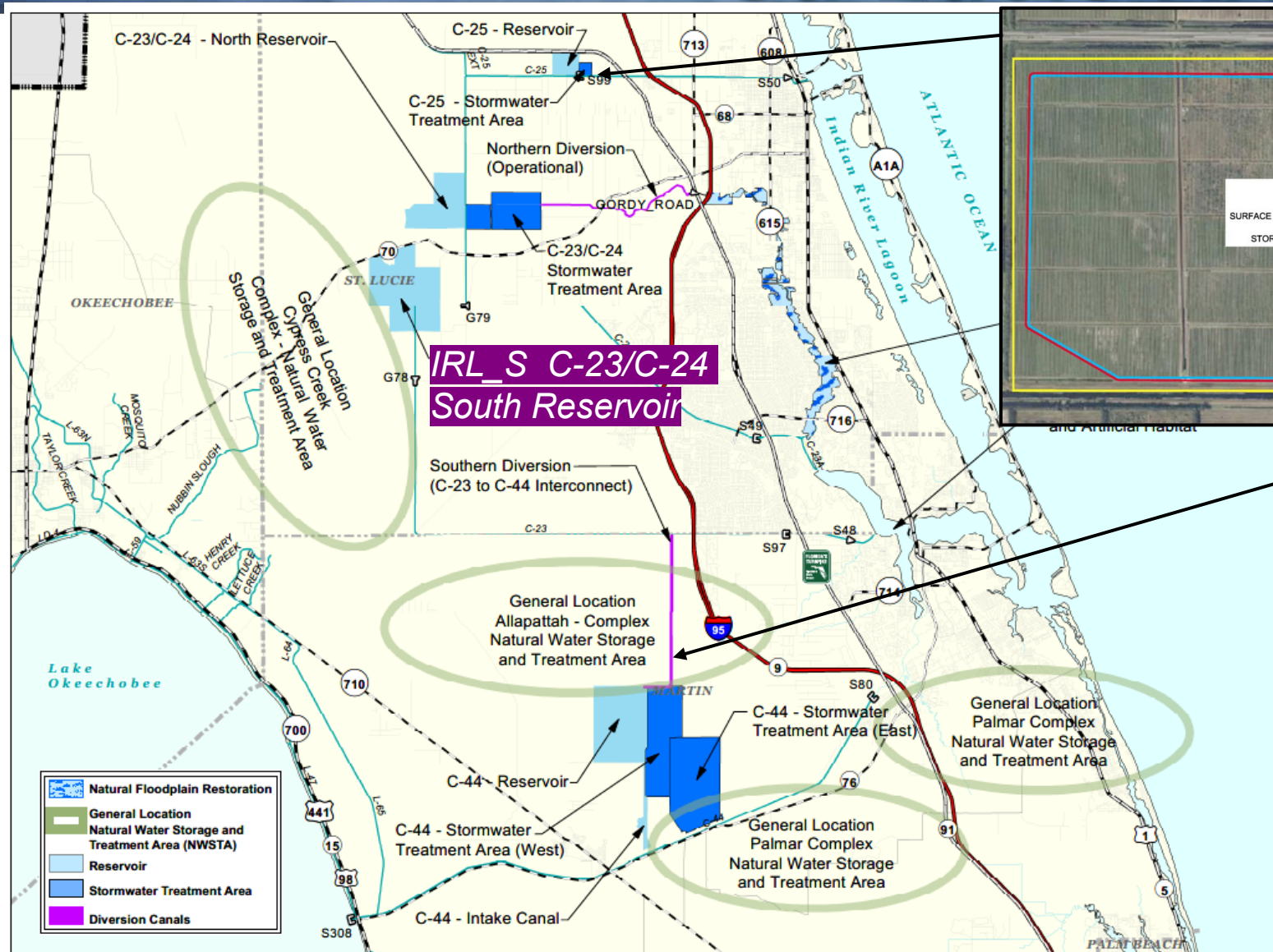
500 - 510 feet bls	1,800 - 1,810 feet bls

Western Everglades Restoration Project- Region 4

- Pre- Partnership Credit Agreement (PPCA) for Region 4
- In December, Governing Board authorized signing of contract to build 3 culverts in the L-28S levee
- SFWMD will begin design for additional culverts under Tamiami Trail, Loop Road and 11 Mile Road
- Additional modeling and data collection to support design



Restoring the Indian River Lagoon and St. Lucie River



Presenter: Mindy Parrott

Caloosahatchee (C-43) Reservoir



Central Everglades - EAA Reservoir and STA

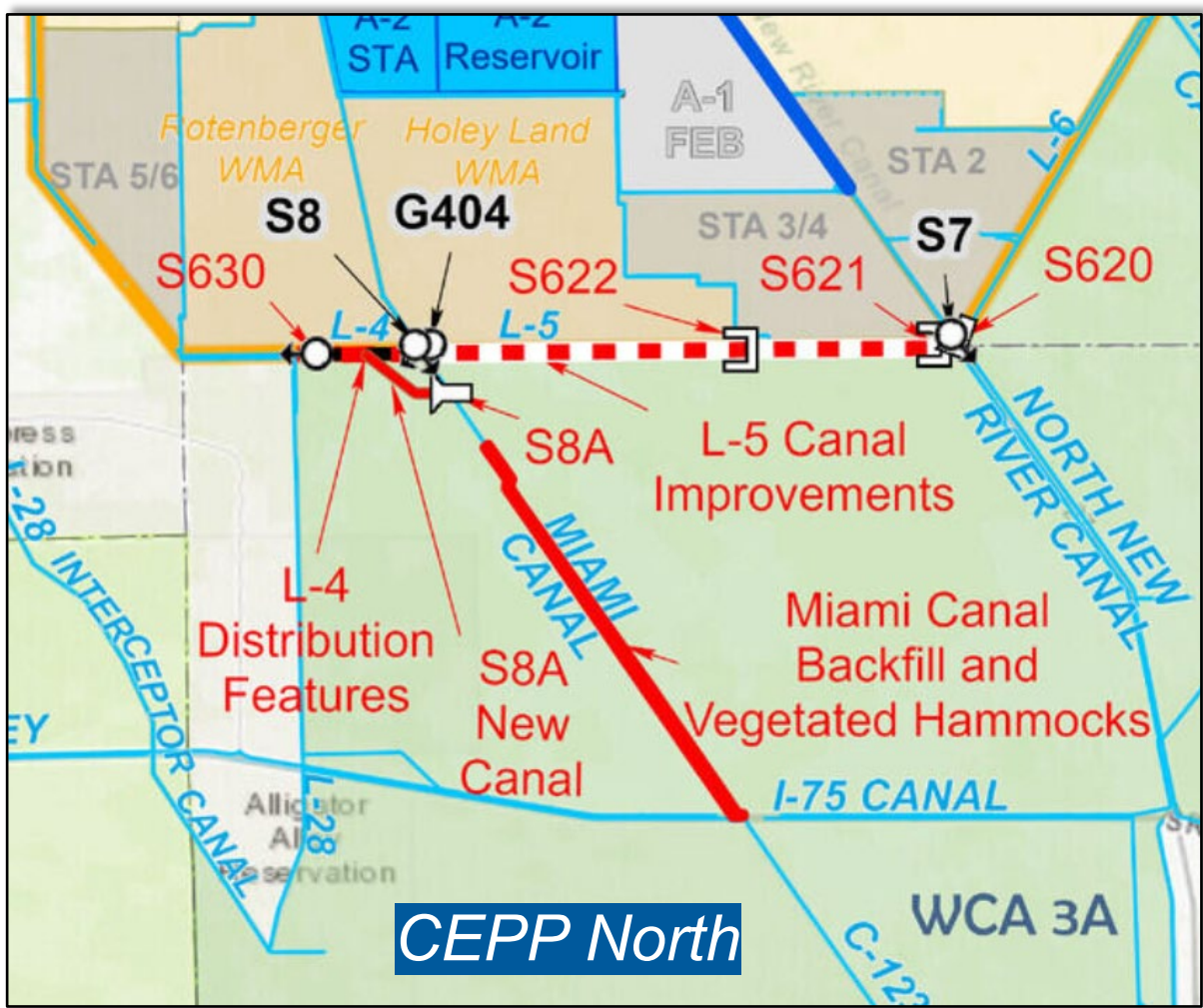
CEPP EAA Stormwater Treatment Area Leveling Cell 1



Canal Conveyance Improvements

- North New River Canal- Contract Awarded December 2023
- Miami Canal Phase 1- Final Design, award mid 2024
- Miami Canal Phase 2- Intermediate Design, award FY25

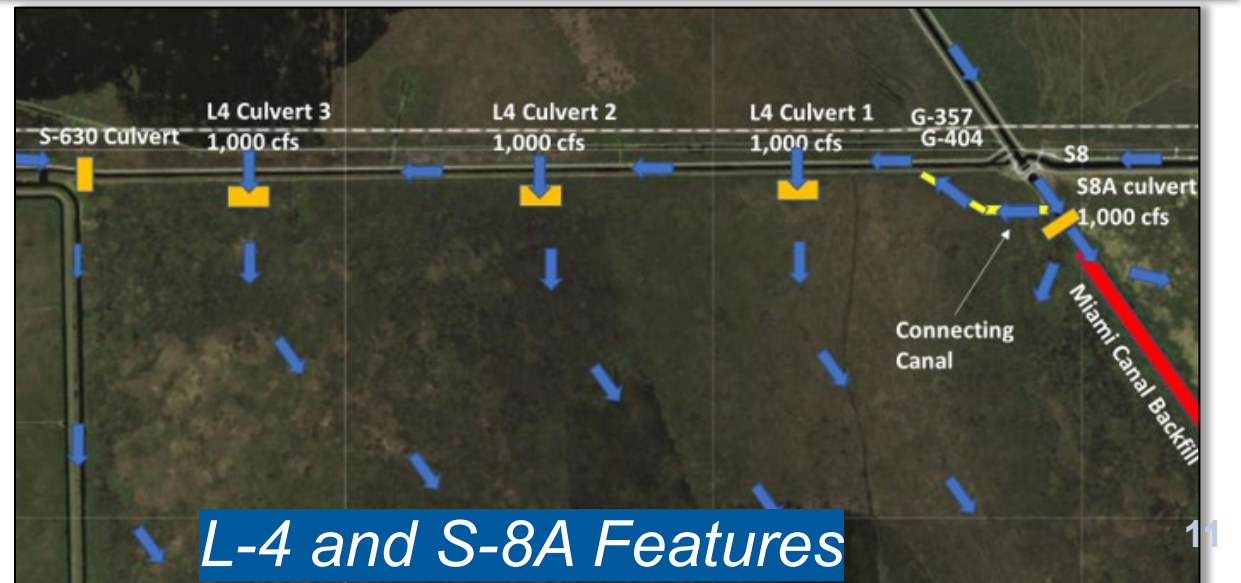
CEPP North



CEPP North

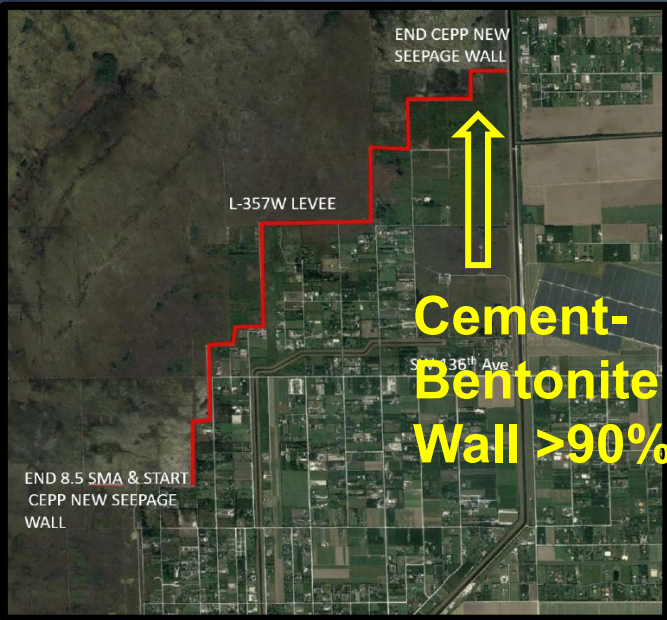


Construction at S-620



L-4 and S-8A Features

CEPP New Water Seepage Barrier Wall

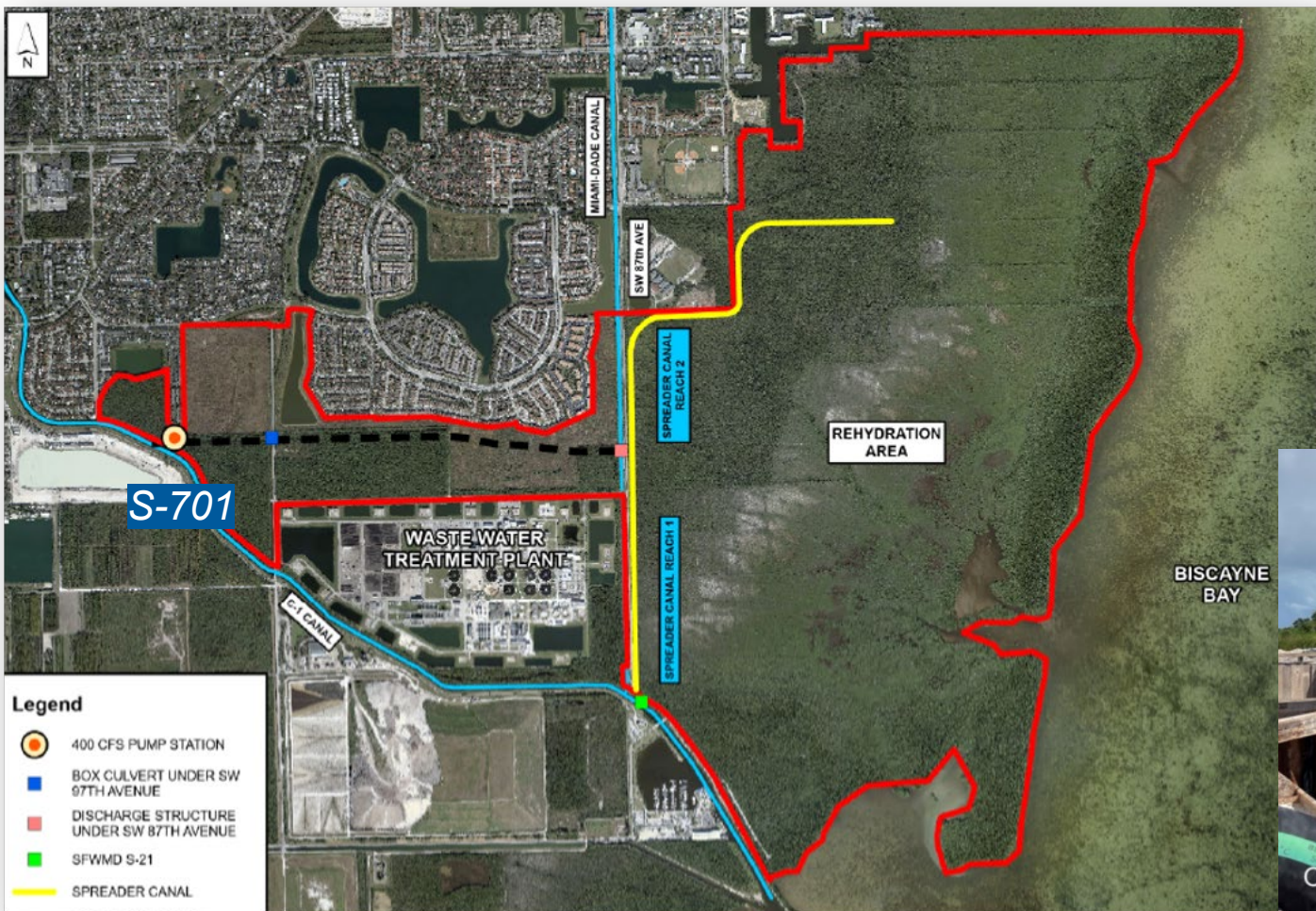


Cement-Bentonite Wall >90%



October 27, 2023 8:57 AM

Restoring Water Flow to Biscayne Bay



BBCW Cutler Flowway Contracts 6A & 6B

Restoring the Loxahatchee River Watershed



Flow Way 3

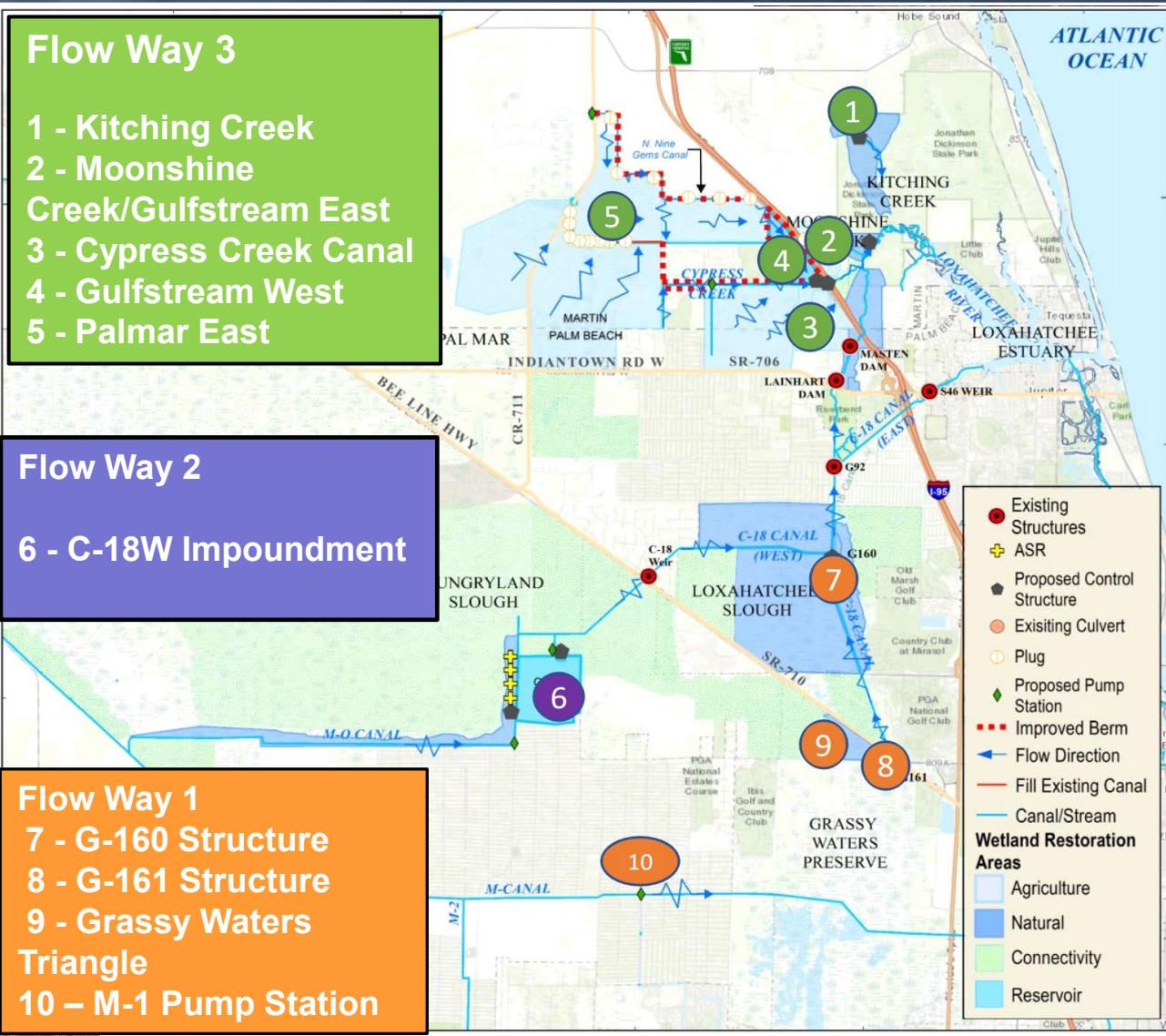
- 1 - Kitching Creek
- 2 - Moonshine Creek/Gulfstream East
- 3 - Cypress Creek Canal
- 4 - Gulfstream West
- 5 - Palmar East

Flow Way 2

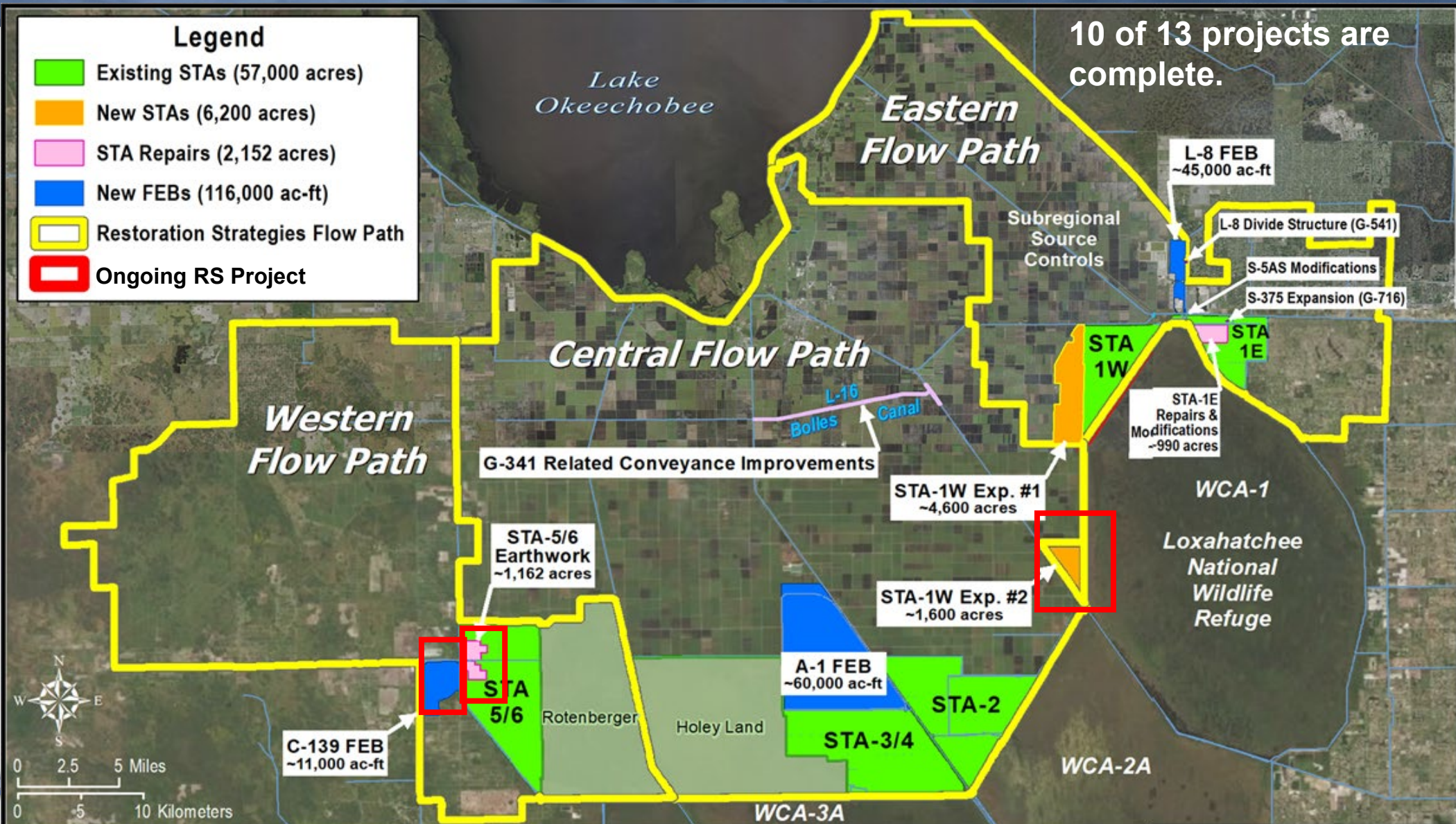
- 6 - C-18W Impoundment

Flow Way 1

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



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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