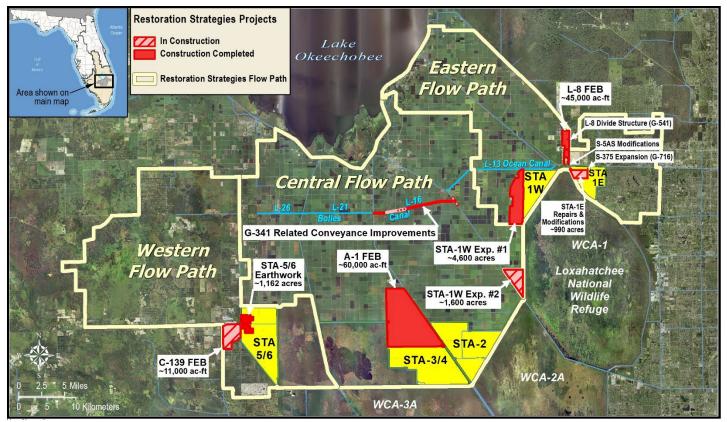
Restoration Strategies Program and Stormwater Treatment Area Enhancement Update March 2022

The South Florida Water Management District's (District) \$880 million Restoration Strategies Program will improve water quality flowing into America's Everglades by implementing a suite of flow equalization basins (FEB's), stormwater treatment area (STA) expansions, and conveyance improvement projects over a 13-year timeline. The program includes a robust Science Plan focused on investigating the critical factors that influence phosphorus reduction and a better understanding of improving treatment performance at low phosphorus concentrations. A third part of the program is investigation of additional sub-regional source controls – where pollution is reduced at the source – in areas where phosphorus levels in stormwater runoff have been historically higher.

In 2012, FDEP issued watershed National Pollutant Discharge Elimination System (NPDES) and Everglades Forever Act (EFA) permits to the District to continue to operate its STAs. At the same time, Consent Orders were issued with these permits that require the District to construct 13 projects on an aggressive timeline to be completed by December 2025 with specific milestone due dates for each project activity. The existing Everglades STAs, an essential component of Restoration Strategies, are unique constructed treatment wetlands designed to improve the quality of water flowing into the Everglades. Upon completion of all Restoration Strategies projects, the permits require each STA to meet the Water Quality Based Effluent Limit (WQBEL), to ensure that the State's water quality standard for the Everglades is achieved.

In addition to the Restoration Strategies projects, the District is enhancing the performance of the existing Everglades STAs through a series of construction projects to refurbish, rehabiliate, and renew large portions of the existing facilities, some of which have been in operation for the last 20 years.



Restoration Strategies Flow Paths and Projects

Eastern Flow Path

STA-1E Repairs and Modifications (Cells 5 and 7)

Earthwork to correct topographic deficiencies of the original construction in Cells 5 and 7 is complete. Vegetation management planting activities is complete in Cell 5 and ongoing in Cell 7.

STA-1W Expansion #2

Construction of Civil Works and Inflow Pump Station is ongoing. Formwork and reinforcing steel installation for the lower walls and columns of G-780 and G-781 pump stations is ongoing. Sheet pile installation for G-782 pump station is complete. Blasting for Collection Canal is complete. Construction Status Milestone Compliance Report (MCR) was completed in February

G-341 Related Conveyance Improvements

Construction of Segment 4 is complete and as-built surveys are being prepared. Segment 5 final design was completed and advertised in February 2022.

STA-1W Refurbishment

Earthwork for various enhancements is ongoing. The removal of the levee and structures between Cells 2B and 4 is complete. Removal of finger canals and regrade of 50 acres in Cell 3 are complete. Planting of vegetation and removal of the dewatering berm are ongoing. The realignment of the levee between Cells 5B and 2A is nearly complete. Substantial completion of all STA-1W refurbishments is expected in March 2022. Replacement of structures between Cells 1B and 3 will be addressed in 2023.

Central Flow Path

STA-2 Refurbishment

Earthwork to regrade uneven topography in the northern portion of Cell 2 is ongoing. The earthwork involves lowering an area in northeast Cell 2 and raising a 500-acre low-lying area in northwest Cell 2. The eastern regrade area is complete. Earthwork to make 49 cuts through remnant farm berms in Cell 3 is complete.

Western Flow Path

STA-5/6 Internal Improvements

Cells 2A and 3A are currently in the initial flooding and optimization period.

C-139 Flow Equalization Basin (FEB)

Construction activity for the G-550 inflow pump station and G-551 outflow structure is ongoing. ERP Permits for G-552 and G-711E complete. Construction Status Milestone Compliance Report completed in February.

Connection of STA-5/6 to Lake Okeechobee

Phase 1 design to improve conveyance, build a pump station, and rely on temporary facilities to connect the Miami Canal to the inflow of STA-5/6 is ongoing.

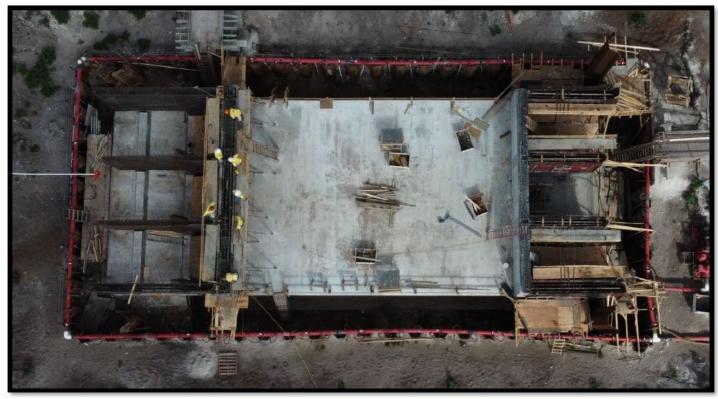
Restoration Strategies Science Plan

Of the foureen Science Plan studies, eight have been completed and six are in progress. Eight additional study proposals have been approved.

| Ongoing Science Plan Studies | Completion By |
|--|---------------|
| Factors for Formation of Floating Tussocks in STAs | Sept 2022 |
| L-8 FEB and STA Operational Guidance | Sept 2022 |
| Improving Resilience of Submerged Aquatic Vegetation in STAs | Sept 2022 |
| Effects of Faunal Species on P Cycling in STAs | Sept 2023 |
| Periphyton and Phytoplankton P Uptake and Release | Sept 2023 |
| Soil Amendments to Control P Flux | Sept 2023 |

Additional Studies

| Biomarker Study | Sept 2022 |
|------------------------|-----------|
| Fauna study | Sept 2023 |
| Ecotopes Study | Sept 2022 |
| P Dynamics Study | Sept 2023 |
| Advection Study | Sept 2023 |
| Landscape Study | Sept 2023 |
| Data Integration Study | |
| Marl Study | Sept 2024 |



C-139 FEB Inflow Structure G-551 under construction. Image depicts preparation for concrete pour.

Restoration Strategies Program and Stormwater Treatment Area Enhancement Update March 2022

| | EASTERN FLOW PATH | | | | | CENTRAL FLOW PATH | | |
|---|-------------------|--------|--|----------------------------|----------|---|---------------|-----------------------|
| STA-1W Expansion #2 (100864) | | | G-341 Related Conveyance Improvements (1 | 00802) | | STA-2 Expansion: Compartment B | | |
| Activity | Deadline | | Activity | Deadline | | Activity COMPLETE | Deadline | |
| Complete land acquisition | 3/31/2018 | ✓ | Initiate design | 10/1/2020 | ✓ | Initial flooding and optimization period complete | 5/31/2014 | ✓ |
| Initiate design | 10/1/2018 | ✓ | Submit state and federal permit applications | 8/1/2021 | ✓ | | | - C |
| Submit state and federal permit applications | 8/1/2019 | ✓ | Complete land acquisition (if required) | 9/30/2021 | ✓ | A-1 FEB (100706) | | |
| Complete design | 7/31/2020 | ✓ | Complete design | 7/31/2022 | | Activity | Deadline | |
| Initiate construction | 11/30/2020 | ✓ | Initiate construction | 11/30/2022 | ✓ | Initiate design | 4/1/2012 | √ |
| Construction status report | 3/1/2021 | ✓ | Construction status report | 3/1/2023 | ✓ | Submit state and federal permit applications | 12/1/2012 | √ |
| Construction status report | 3/1/2022 | ✓ | Construction status report | 3/1/2024 | | Design status report | 3/1/2013 | ✓ |
| Complete construction | 12/31/2022 | | Complete construction | 12/31/2024 | | Complete design | 8/1/2013 | 1 |
| Initial flooding and optimization period complete | 12/31/2024 | | | | | Initiate construction COMPLETE | 6/30/2014 | 1 |
| | | | L-8 Divide Structure (100817) | | | Construction status report | 3/1/2015 | 1 |
| STA-1W Expansion #1 (100818) | | | Activity | Deadline | | Construction status report | 3/1/2016 | ✓ |
| Activity | Deadline | | Initiate design | 10/1/2012 | ✓ | Complete construction | 7/30/2016 | ✓ |
| Complete land acquisition | 9/30/2013 | ✓ | Initiate design COMPLETE | 9/30/2014 | ✓ | Operational monitoring and testing period complete | 7/29/2018 | 1 |
| Initiate design | 9/30/2013 | ✓ | Initiate construction | 10/1/2016 | ✓ | | | |
| Submit state and federal permit applications | 7/30/2014 | ✓ | Complete construction | 9/30/2018 | ✓ | WESTERN FLOW PATH | | |
| Complete design | 7/30/2015 | 1 | | | | STA-5/6 Internal Improvements (100868) | | |
| Complete design COMPLETE | 1/31/2016 | 1 | S-5AS Modifications (100822) | | | Activity | , Deadline | |
| Construction status report | 3/1/2017 | 1 | Activity | Deadline | | Initiate design | 10/31/2019 | 1 |
| Construction status report | 3/1/2018 | 1 | Initiato docign | 10/1/2012 | 1 | Submit state and federal permit applications | 8/30/2020 | 1 |
| Complete construction | 12/31/2018 | 1 | Complete design COMPLETE | 9/30/2014 | ✓ | Complete design | 10/31/2021 | 1 |
| Initial flooding and optimization period complete | 12/31/2020 | 1 | Initiate construction | 10/1/2014 | ✓ | Initiate construction | 1/31/2022 | 1 |
| | ,, | | Complete construction | 9/30/2016 | ✓ | Construction status report | 3/1/2023 | 1 |
| STA-1E Repairs and Modifications | | | | -,, | | Construction status report | 3/1/2024 | 1 |
| Activity | Deadline | | S-375 Expansion (100819) | | | Complete construction | 12/31/2024 | 1 |
| PSTA Decommissioning complete | 12/31/2022 | ✓ | Activity | Deadline | | Initial flooding and optimization period complete | 12/31/2025 | |
| Culvert repairs complete | 12/31/2022 | ✓ | Initiate design | 9/30/2013 | ✓ | the second se | | |
| Cell 5 and 7 improvements complete | 12/31/2022 | | Complete design COMPLETE | 7/30/2015 | ✓ | STA-5/6 Expansion: Compartment C | | |
| | | | Initiate construction | 1/31/2016 | ✓ | | Deadline | |
| L-8 FEB (100813) | | | Complete construction | 12/31/2018 | ✓ | Initial flooding and optimization period complete | 5/31/2014 | 1 |
| Activity | Deadline | | · · · · · · · · · · · · · · · · · · · | | | | | • |
| Submit state and federal permit applications | 1/31/2014 | ✓ | | | | C-139 FEB (100867) | | |
| Construction status report | 3/1/2014 | ✓ | LEGEND | | | Activity | Deadline | |
| Construction status report | 3/1/2015 | ✓ | Flow Equalization Basin | | | Initiate design | 10/31/2018 | 1 |
| Complete construction (begin multi-purpose ops) | 12/31/2016 | ✓ | Stormwater Treatment Area | | | Submit state and federal permit applications | 8/30/2019 | 1 |
| Long term operations commence | 12/31/2022 | | Conveyance Improvement | | | Complete design | 10/31/2020 | 1 |
| • | | | ✓ Complete | | | Initiate construction | 1/31/2021 | 1 |
| Pr | ojects Complete | = 7 of | 13 | | | Construction status report | 3/1/2021 | 1 |
| Activities Complete = 63 of 74 | | | | Construction status report | 3/1/2022 | 1 | | |
| % Activities Complete = 85 % | | | | Construction status report | 3/1/2023 | | | |
| | | | | | | | 42/24/2022 | |

Revised February 28, 2022

12/31/2023

12/31/2024

Complete construction

Operational monitoring and testing period complete

% Time Complete = 71 %