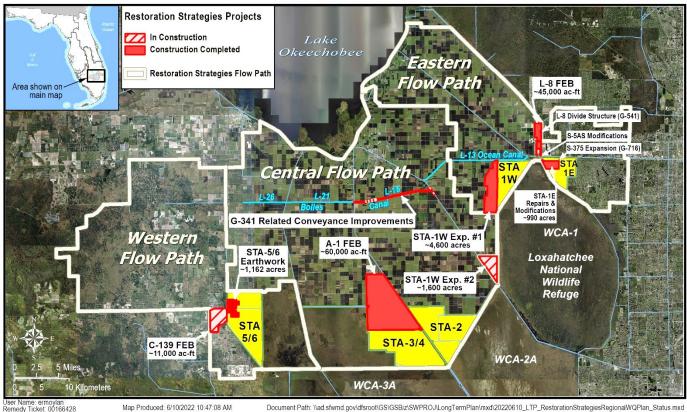
The South Florida Water Management District's (District) \$880 million Restoration Strategies Program will improve water quality flowing into America's Everglades by implementing a suite of flow equalization basins (FEB's), stormwater treatment area (STA) expansions, and conveyance improvement projects 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.



Map Produced: 6/10/2022 10:47:08 AM Document Path: \\ad.sfwmd.gov/dfsroot\GS\GSBizJSWPROJ\LongTermPlan\mxd/20220610_LTP_RestorationStrategiesRegionalWQPlan_Status.mxd
Restoration Strategies Flow Paths and Projects

Eastern Flow Path

STA-1W Expansion #2

Construction of Civil Works and Inflow Pump Stations is ongoing. Formwork and reinforcing steel installation for the bay walls for G781 and G782 is ongoing.

G-341 Related Conveyance Improvements

Contractors have mobilized on to the project site. Segment 5 construction is now ongoing.

STA-1W Refurbishment

All refurbishment construction is complete and as built documents accepted. Vegetation management activities are ongoing in newly graded areas. Replacement of structures between Cells 1B and 3 will occur in 2023.

Central Flow Path

STA-2 Refurbishment

Earthwork to raise a 530-acre low-lying area in northwest Cell 2 to design elevation is ongoing, 365 acres have been raised, and approximately 165 acres remain.

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, G-551 outflow structure, and G711E divide structure are ongoing. ERP Permits for G-552 are complete. Levee and canal construction and land-levelling are ongoing.

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. Embankment/Canal Design analysis is ongoing. Design of G-775 interim pump station is ongoing.

Restoration Strategies Science Plan

Nine Science Plan studies have been completed and twelve studies are ongoing.									
Ongoing Science Plan Studies	Completion By								
Soil Management Study	Sept 2022								
L-8 FEB and STA Operational Guidance	Sept 2022								
Improving Resilience of Submerged Aquatic Vegetation in STAs	Sept 2022								
Biomarker Study	Sept 2022								
Ecotopes Study	Sept 2022								
P Dynamics Study	Sept 2023								
Landscape Study	Sept 2023								
Effects of Faunal Species on P Cycling in STAs	Sept 2023								
Periphyton and Phytoplankton P Uptake and Release	Sept 2023								
Advection Study	Sept 2024								
Data Integration Study	Sept 2024								
Marl Study	Sept 2024								

PICTURE OF THE MONTH



C-139 FEB perimeter levee construction.

EASTERN FLOW PATH				CENTRAL FLOW PATH				
STA-1W Expansion #2 (100864) G-341 Related Conveyance Improvements (100802)			STA-2 Expansion: Compartment B					
Activity	Deadline		Activity	Deadline		Activity COMPLETE	Deadline	
Complete land acquisition	3/31/2018	1	Initiate design	10/1/2020	1	Initial flooding and optimization period complete	5/31/2014	1
nitiate design	10/1/2018	1	Submit state and federal permit applications	8/1/2021	1			•
Submit state and federal permit applications	8/1/2019	√	Complete land acquisition (if required)	9/30/2021	1	A-1 FEB (100706)		
Complete design	7/31/2020	1	Complete design	7/31/2022	1	Activity	Deadline	
nitiate construction	11/30/2020	1	Initiate construction	11/30/2022	1	Initiate design	4/1/2012	1
Construction status report	3/1/2021	1	Construction status report	3/1/2023	1	Submit state and federal permit applications	12/1/2012	1
Construction status report	3/1/2022	1	Construction status report	3/1/2024		Design status report	3/1/2013	1
Complete construction	12/31/2022		Complete construction	12/31/2024		Consultate destant	8/1/2013	1
nitial flooding and optimization period complete	12/31/2024		the product of the second	, - , -		Initiate construction	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	1
Activity	Deadline		•	10/1/2012	1	Complete construction	7/30/2016	1
Complete land acquisition	9/30/2013	√	Initiate design Complete design	9/30/2014	1	Operational monitoring and testing period complete	7/29/2018	1
nitiate design	9/30/2013	1	Initiate construction	10/1/2016	1			
Submit state and federal permit applications	7/30/2014	1	Complete construction	9/30/2018	1	WESTERN FLOW PATH		
	7/30/2015	1				STA-5/6 Internal Improvements (100868)		
nitiate construction COMPLETE	1/31/2016	1	S-5AS Modifications (100822)			Activity	Deadline	
Construction status report	3/1/2017		Activity	Deadline		Initiate design	10/31/2019	
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	1	Complete design	10/31/2021	
nitial flooding and optimization period complete	12/31/2020	1	Initiate construction	10/1/2014	1	Initiate construction	1/31/2022	1
indu nooding and optimization period complete	12, 51, 2020		Complete construction	9/30/2016	1	Construction status report	3/1/2023	1
STA-1E Repairs and Modifications				5, 50, 2020		Construction status report	3/1/2024	1
			S-375 Expansion (100819)			Complete construction	12/31/2024	1
	12/31/2022	1	Activity	Deadline		Initial flooding and optimization period complete	12/31/2024	
Culvert repairs complete	12/31/2022	1	Landard Academic	9/30/2013	1		12, 51, 2025	
Cell 5 and 7 improvements complete	12/31/2022	1	Complete design COMPLETE	7/30/2015	1	STA-5/6 Expansion: Compartment C		
en sund 7 improvements comprete	12, 51, 2022		Initiate construction	1/31/2016	1	Activity COMPLETE	Deadline	
L-8 FEB (100813)			Complete construction	12/31/2018	1	Initial flooding and optimization period complete	5/31/2014	1
Activity	Deadline			12, 51, 2010			3, 51, 201 .	•
Submit state and federal permit applications	1/31/2014	1				C-139 FEB (100867)		
Construction status report	3/1/2014	1	LEGEND			Activity	Deadline	
Construction status report	3/1/2015	1	Flow Equalization Basin			Initiate design	10/31/2018	
Complete construction (begin multi-purpose ops)	12/31/2015		Stormwater Treatment Area			Submit state and federal permit applications	8/30/2019	
ong term operations commence	12/31/2022		Conveyance Improvement			Complete design	10/31/2020	<i>.</i>
	12/ 51/ 2022		✓ Complete			Initiate construction	1/31/2021	1
	Projects Complete	= 8 of 1	3			Construction status report	3/1/2021	1
Activities Complete = 65 of 74				Construction status report	3/1/2022			
% Activities Complete = 88 %			Construction status report	3/1/2023				
% Time Complete = 74 %			Complete construction	12/31/2023				
						Operational monitoring and testing period complete	12/31/2024	

Revised June 15, 2022