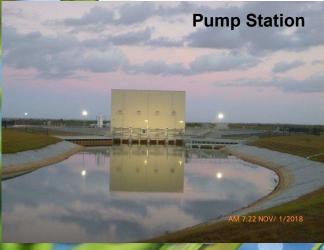


C-44 Reservoir & STA



- SFWMD Projects:
 - S-404 Spillway complete
 - Pump Station complete
 - STA construction completion expected 2019
- USACE Project:
 - Reservoir construction completion expected 2021

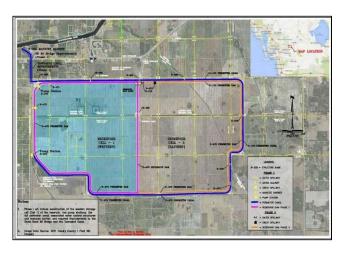






C-43 Reservoir

- 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 Pump Station completion Spring 2022
 - Package 4: Civil works completion 2023







EAA Reservoir

- Scraping of ~240 acres completed
- Geotechnical borings completed
- Permeability tests on the reservoir site - completed
- Phase II Environmental Site
 Assessment on A-2 Expansion
 Area completed
- Initiated survey and Geotech for conveyance improvements on the Miami and North New River Canals

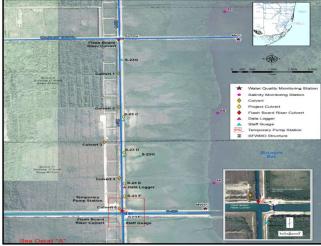


Biscayne Bay Coastal Wetlands

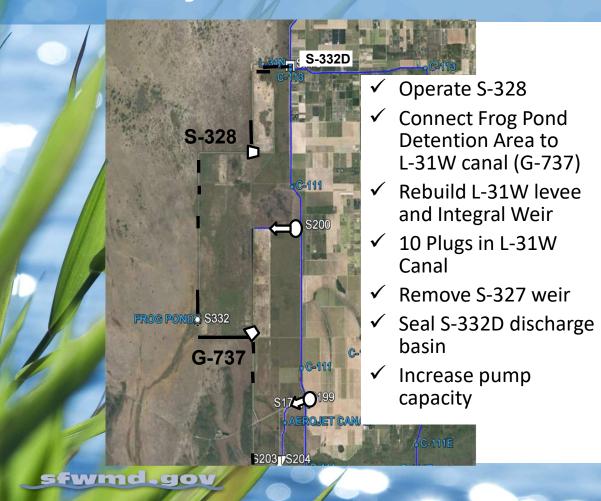
- Deering Estate complete
- ➤ L-31E:
 - Interim pump Operational since August 2017
 - L-31E culverts complete
 - Design of S-709 underway
- Cutler Wetlands reinitiated design update October 2018
- Phase 2 Project Management Plan under development

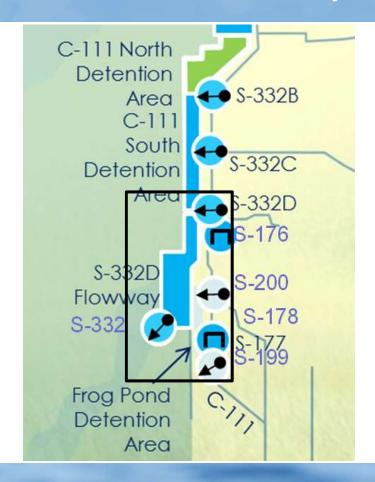






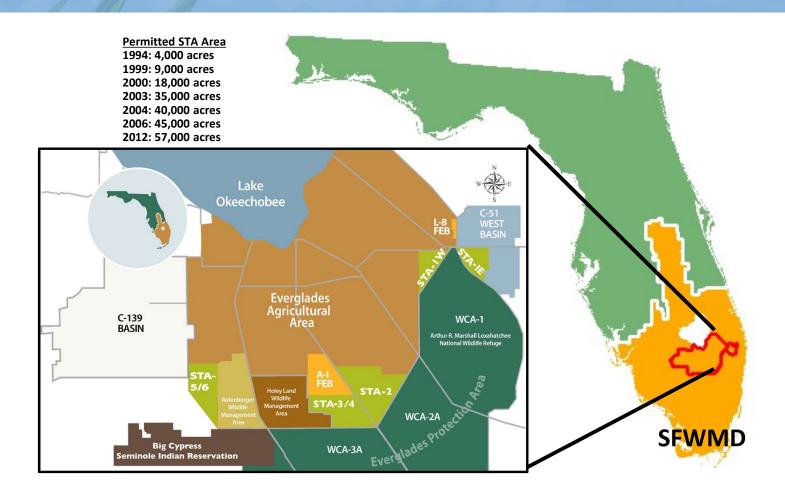
Project Features to Move Water South to Florida Bay



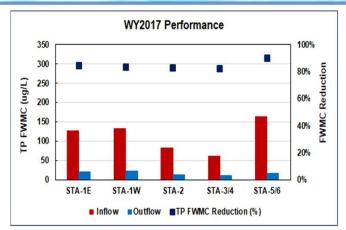


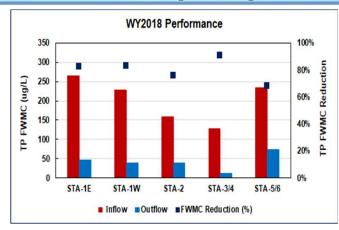


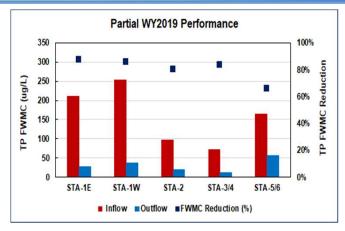
Stormwater Treatment Areas (STAs)



All STAs Performance Comparison by Water Year (WY)







	WY2017	WY2018	Partial WY2019 (05/01/2018 – 03/10/2018)
Total inflow (k acre-feet)	1,100	1,600	1,500
Lake releases (k acre-feet)	249	160	426
TP FWMC outflow (μg/L)	15	36	23
Reduction in TP FWMC	~80%		

Restoration Strategies: Key Projects



L-8 Flow Equalization Basin (FEB) (Eastern Flowpath)

- Designed to improve performance of STA-1E and STA-1W
- Unique geology allows for underground storage reservoir
- > 800 acres by 58 feet deep = ~ 45,000 acre-feet of storage
- Completed June 2017





1

S-375 Expansion (G-716) (Eastern Flowpath)

- Designed to expand flow capacity of connection between STA-1E east and west distribution cells
- Completed April 2017



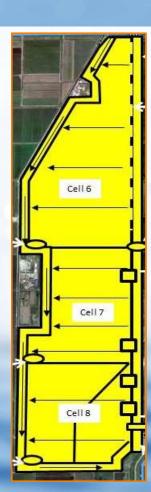


STA-1W Expansion #1 (Eastern Flowpath)

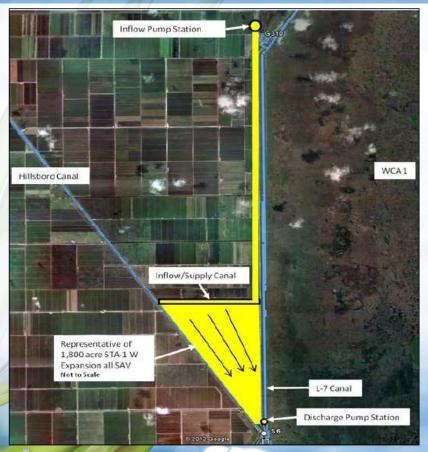
- Designed to assist STA-1W and STA-1E
- > 4,300 acres of additional stormwater treatment area
- Initiated construction in 2016
- Initial flooding and optimization began January 2019







STA-1W Expansion #2 (Eastern Flowpath)



- Designed to assist STA-1W and STA-1E
- 1,600 acres of additional treatment area
- Land exchange with Federal government to acquire 1,327 acres completed January 2018
- Total SFWMD-owned land for project is ~2,127 acres
- Design began October 2018
- Currently in final design stage

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A-1 Flow Equalization Basin (FEB) (Central Flowpath)

- Designed to improve performance of STA-2 and STA-3/4
- > 15,000 acres by 4 feet deep = ~ 60,000 acre-feet of storage
- Completed July 2015
- Operational Testing and Monitoring Phase complete July 2018



April 2018 – April 2019
Inflow Volume
397,351 acre-feet

Inflow P Conc. 107ppb

Outflow P Conc. 13 ppb

P Load Reduction 91.5%



G-341 Related Conveyance Improvements (Central Flowpath)

- Bolles East (L-16) Canal Segments 1 and 2 (~2.2 miles) and Duda Road Bridge construction complete
- Segment 3 (~3.2 miles) is 97% complete
- Segment 4 design in progress



G-341 Related Conveyance Improvements – Excavation of Segment 3

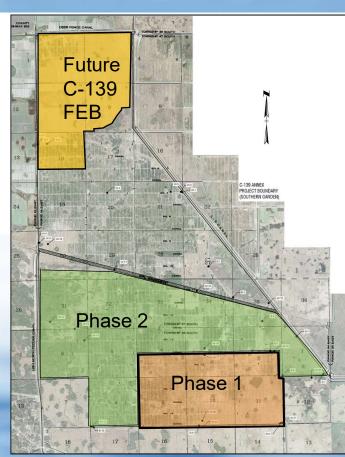


Western Flowpath

- ▶ C-139 FEB
 - Design activities began in October 2018
- > STA 5/6 Earthwork Improvements
 - Construction in progress
- C-139 Annex Restoration (not part of Restoration Strategies)







South Florida Environmental Report

- 21st year of publication
- Prepared by SFWMD in cooperation with FDEP to unify 70+ mandated reports
 - Florida Statutes
 - Everglades Forever Act
 - Comprehensive Everglades Restoration Plan Regulation Act
 - Northern Everglades and Estuarine Protection Program
- Robust peer and public review process
- https://www.sfwmd.gov/sciencedata/scientific-publications-sfer



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South Florida Environmental Report

- Volume I provides findings derived from regional monitoring and research projects and highlights key financial information during the 2018 reporting period
- Volume II provides an annual update on the planning and project status for eight annual reports required of all water management districts
- ➤ **Volume III -** expands on Volume I by further streamlining unified reporting and fulfilling various federal and state permit-related reporting requirements
- > SFER Consolidated Project Database provides comprehensive and upto-date project descriptions.

http://my.sfwmd.gov/portal/page/portal/xweb%20about%20us/sfer%20application

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