

## **Restoration Strategies Program Update**

### **April 2017**

The South Florida Water Management District's \$880 million Restoration Strategies Program includes the design and construction of a suite of regional water storage, treatment and conveyance improvement projects that will further improve water quality in America's Everglades. The program also includes a robust Science Plan consisting of research activities focused on investigating the critical factors that influence phosphorus reduction and better understanding the sustainability of phosphorus removal performance at low phosphorus concentrations. The strategies also feature implementation 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. Through February 2017, total program expenditures are approximately \$243 million and all projects are scheduled to be complete by December 2025.

#### **Eastern Flowpath**

##### **L-8 Flow Equalization Basin (FEB)**

Substantial completion has been achieved for all project components except the outflow pump station; Full discharge capacity is not available at this time due to manufacturing issues with the pumping units, which are in the process of being repaired; Two remanufactured pumps were delivered in March 2017; delivery of the final pump is anticipated in May 2017

##### **Stormwater Treatment Area 1 West (STA-1W) Expansion #1**

Construction is 46 percent complete; Completion expected December 2018

##### **S-375 Expansion (G-716)**

Construction is 94 percent complete; Completion expected April 2017

##### **G-341 Related Conveyance Improvements**

Bolles East L-16 Canal Segment 2 (~1 mile) construction is 96 percent complete and completion is expected by May 2017; Segment 3 (~3.2 miles) design is complete and construction is expected to begin by June 2017

#### **Central Flowpath**

##### **A-1 Flow Equalization Basin (FEB)**

Operational Testing and Monitoring Phase (OTMP) is ongoing

#### **Western Flowpath**

Design activities to begin by 2019

#### **Additional Components**

##### **Stormwater Treatment Area (STA) Science Plan**

Nine studies to investigate the critical factors that influence phosphorus removal and better understand the sustainability of STA performance at low phosphorus concentrations are ongoing; Nine technical publications completed; Preliminary planning for the 2<sup>nd</sup> Five Year Work Plan (FY2018-2022) is ongoing

##### **Sub-Regional Source Controls**

A canal cleaning demonstration project and a water quality data and historical documentation summary project are ongoing and are expected to be complete by April 2017

##### **Mecca Impoundment**

Geotechnical and groundwater data collection activities to assist with future design activities are ongoing

**[www.sfwmd.gov/restorationstrategies](http://www.sfwmd.gov/restorationstrategies)**

# Restoration Strategies Program Update April 2017

## Consent Order<sup>1</sup> Milestones (with deadlines or completion dates ranging from May 2016 through April 2018)

Project: Activity	Deadline	Date Completed	Days +/- <sup>2</sup>
<b>Eastern Flowpath</b>			
S-5AS Modifications: Complete Construction	9/30/2016	5/28/2016	+125
L-8 Divide Structure: Initiate Construction	10/1/2016	9/11/2014	+751
L-8 FEB: Complete Construction	12/31/2016		
STA-1W Expansion #1: Construction Status Report	3/1/2017	2/21/2017	+8
L-8 Divide Structure: Complete Construction	9/30/2018	7/7/2016	+815
STA-1W Expansion #1: Construction Status Report	3/1/2018		
STA-1W Expansion #2: Complete Land Acquisition	3/31/2018		
<b>Central Flowpath</b>			
A-1 FEB: Complete Construction	7/30/2016	7/24/2015	+372
<b>Western Flowpath</b>			
Design activities to begin by 2019			

1: FDEP Consent Order 12-1148 (associated with National Pollutant Discharge Elimination System Permit No. FL0778451-001-FL7A/RA) and FDEP Consent Order 12-1149 (associated with Everglades Forever Act Permit No. 0311207)

2: + = days ahead; - = days behind

### Photo of the Month



**STA-1W Expansion #1, Palm Beach County (looking south) – March 2017**

**[www.sfwmd.gov/restorationstrategies](http://www.sfwmd.gov/restorationstrategies)**