

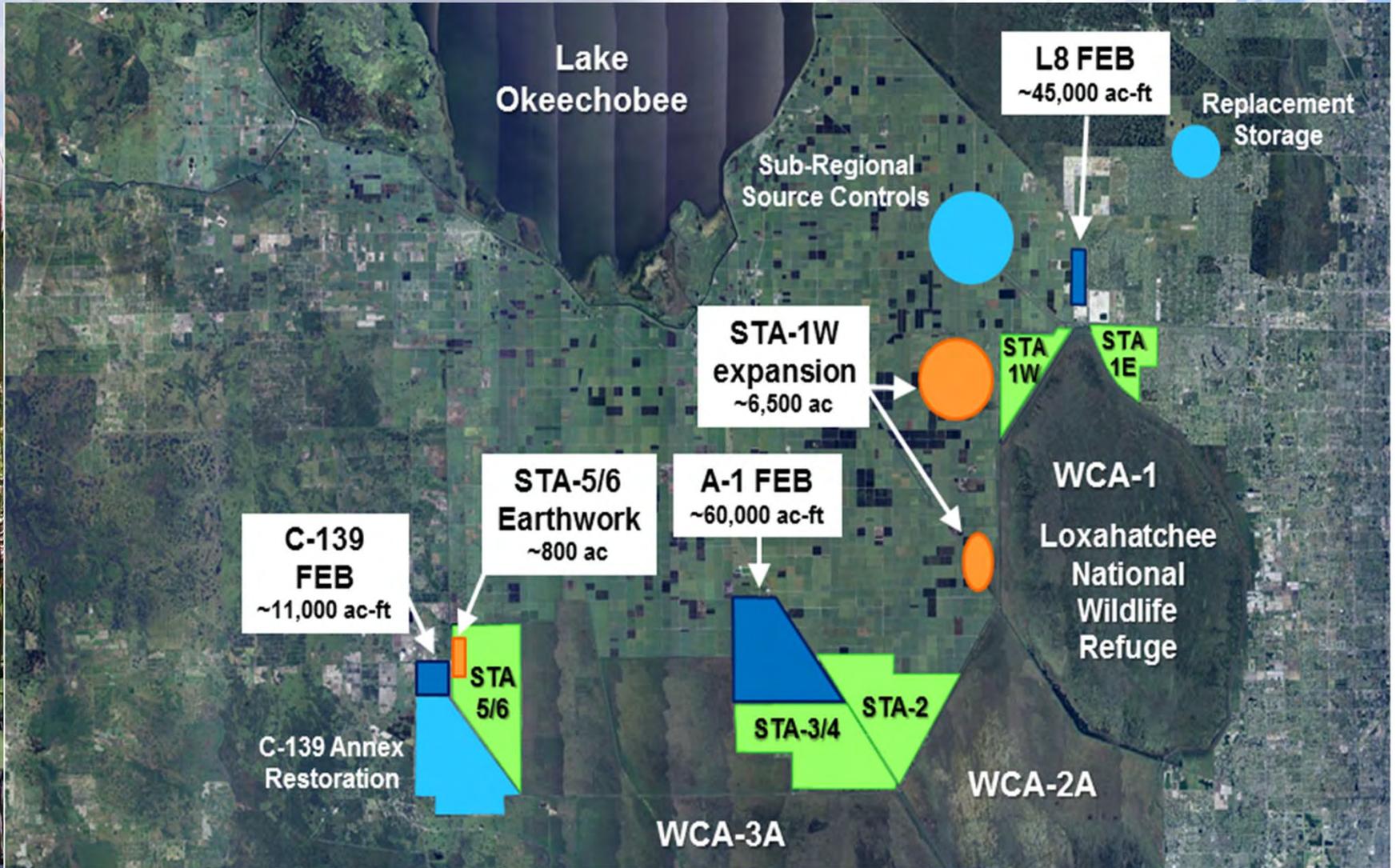
Restoration Strategies Update

South Florida Ecosystem Restoration Task Force Meeting

December 17, 2013

Temperince Morgan, Director
Office of Everglades Policy & Coordination
South Florida Water Management District

Restoration Strategies – Projects



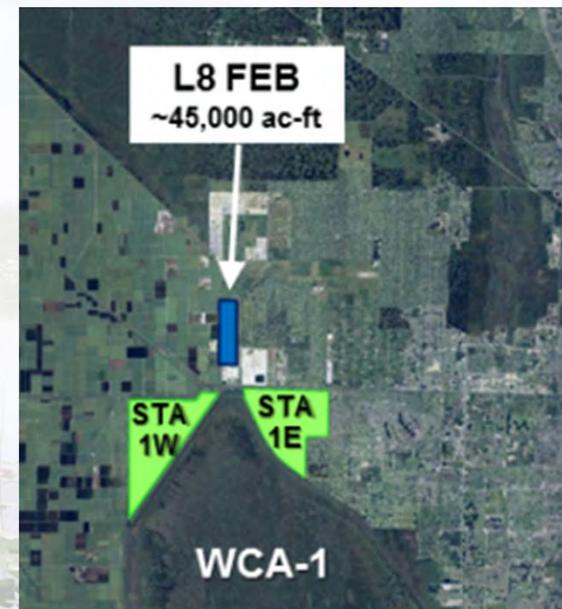
A-1 Flow Equalization Basin (FEB) Central Flowpath

- **Purpose** – Attenuate peak storm water flows to improve STA treatment performance
- **Status:**
 - Design complete July 2013
 - Construction has initiated
 - Ahead of consent order milestone schedule
- **Look ahead:**
 - Completion of construction July 2016



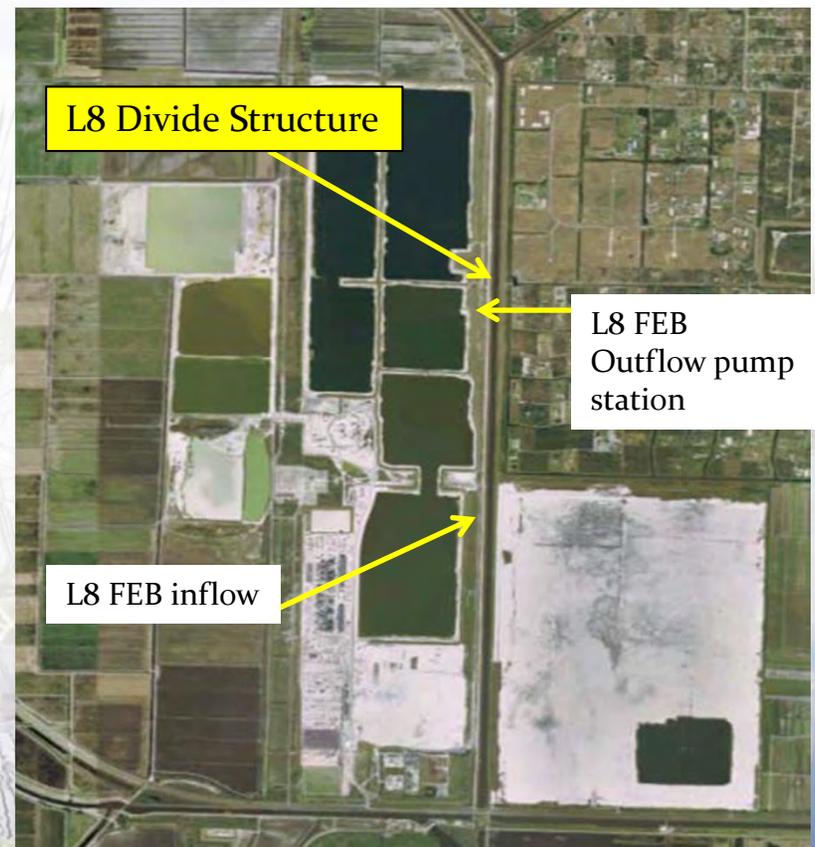
L-8 Flow Equalization Basin (FEB) Eastern Flowpath

- **Purpose** - Attenuate peak storm water flows to improve STA treatment performance
- **Status:**
 - Pump station and inflow work designs are complete
 - Reservoir and the pump station construction underway
 - Ahead of consent order milestone schedule
- **Look Ahead:**
 - Completion of Construction December 2016



L-8 Divide Structure Eastern Flowpath

- **Purpose** – Conveyance feature to assist L8 FEB
- **Status:**
 - In design phase
 - Undergoing concurrent Federal 408 review
 - Ahead of consent order milestone schedule
- **Look Ahead:**
 - Design complete September 2014
 - Construction complete September 2018



S-5AS Conveyance Structure Eastern Flowpath

- **Purpose** – Conveyance feature to assist sending water to the L8 FEB
- **Status:**
 - In design phase
 - Ahead of consent order milestone schedule
- **Look Ahead:**
 - Complete design September 2014
 - Complete construction September 2016



S-375 Structure Expansion Eastern Flowpath

- **Purpose** – Increase conveyance to accommodate increased flows
- **Status:**
 - In Design phase
 - Ahead of consent order milestone schedule
- **Look Ahead:**
 - Complete design July 2015
 - Complete construction December 2018



Stormwater Treatment Area 1W Expansion Eastern Flowpath

- **Purpose** – Expand the existing STA-1W to increase treatment capacity
- **Status:**
 - Conceptual design is underway
 - Non-binding letter of intent approved to pursue a final land exchange contract
- **Look Ahead:**
 - Anticipate final land contract approval in early 2014
 - Continue with detailed design



Sub-Regional Source Controls

- Three areas identified in the Eastern flowpath for sub-regional source controls
- Project funding begins in fiscal year 2015
- Early start on two projects:
 - Lease restrictions
 - Cooperative agreement in June 2013 with a local water control district for a demonstration project
- Conceptual project planning is underway

Science Plan

- Developed collaboratively and in consultation with State and Federal parties
- Final plan published in June 2013
- Project funding spans 10 years from Fiscal year 2013 - 2022
- Initial eight studies underway focused on improving STA treatment performance

Science Plan Projects

- 1) PSTA Technology Performance, Design, and Operational Factors (STA-3/4 PSTA)
- 2) Operational Guidance for FEBs and STAs and a Regional Operation Plan
- 4) STA Water Budget Improvements
- 5) Phosphorus Sources, Forms, Flux, and Transformation Processes in STAs
- 6) Influence of Canal Sediment on STA Inflow and Outflow Phosphorus Concentrations
- 7) Impacts of Deep Water Inundation Pulses on Cattail Sustainability
- 8) Sampling Methodologies for Total Phosphorus
- 9) Soil Management/Amendments to Control P Flux



Questions?

www.sfwmd.gov/restorationstrategies