

West Coast Projects

Governing Board Meeting – February 13, 2014

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Operations Engineering & Construction Division*

Nicodemus Slough

- Reduces excessive freshwater discharges to the Caloosahatchee River Estuary
 - Provides 34,000 ac-ft storage
- Nicodemus Construction:
 - Clearing completed and main canal excavation initiated
 - Pump manufacture underway
- C-5 Culvert:
 - Scheduled for replacement by USACE in 2015



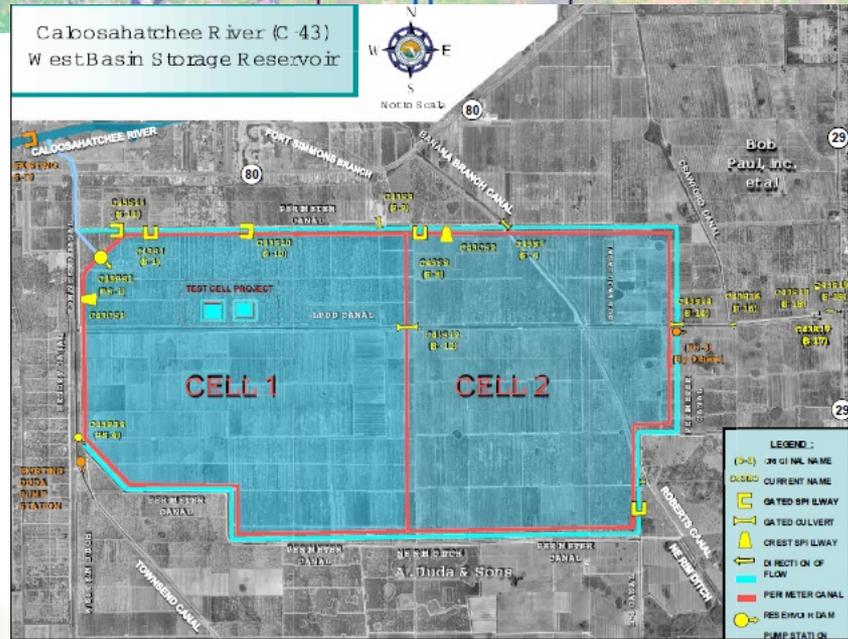
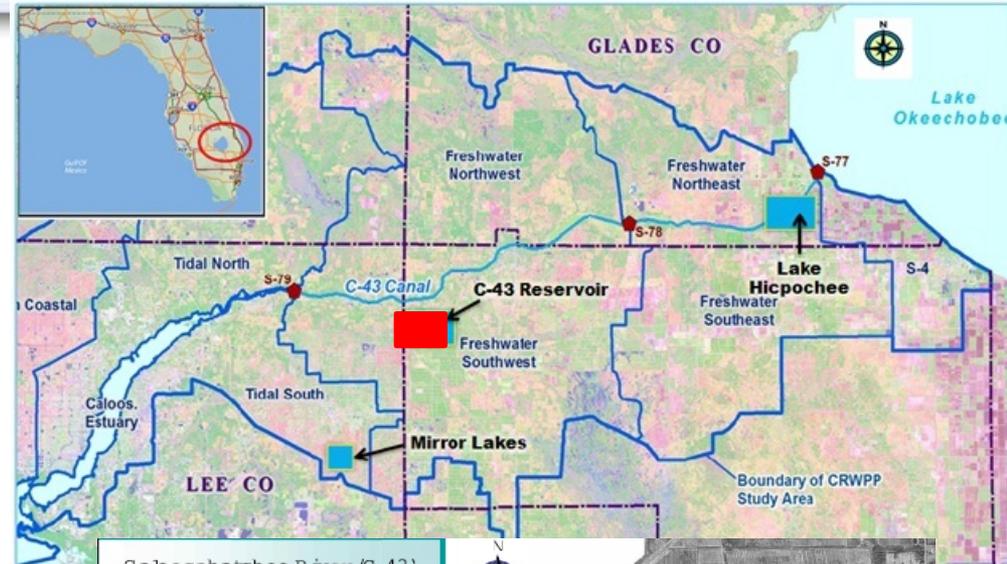
C-43 Reservoir

- Stores water in wet times & provides water in dry times

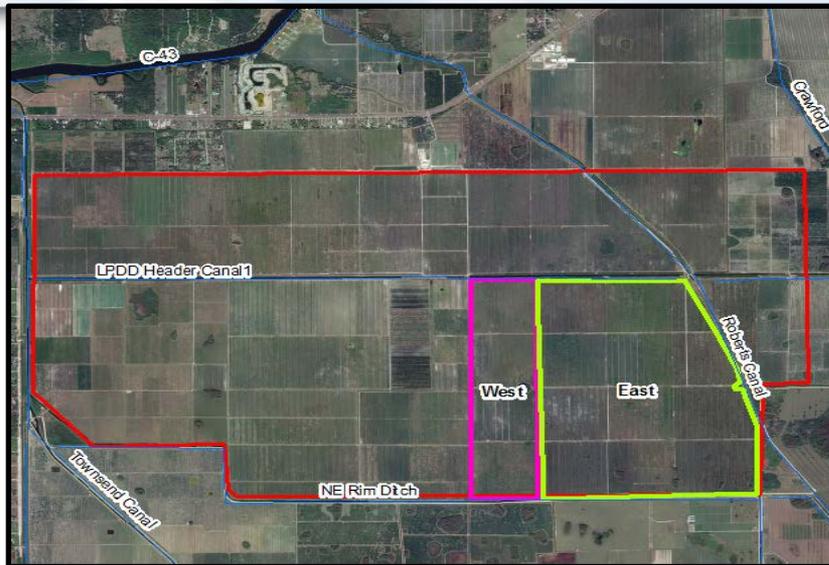
- 170,000 ac-ft of storage
- Land acquired & design complete
- Awaiting Congressional Authorization

- Temporary Storage

- Storage on 3,200 acres; two feet deep
- Operational in late July, 2013



C-43 Water Farming Pilot



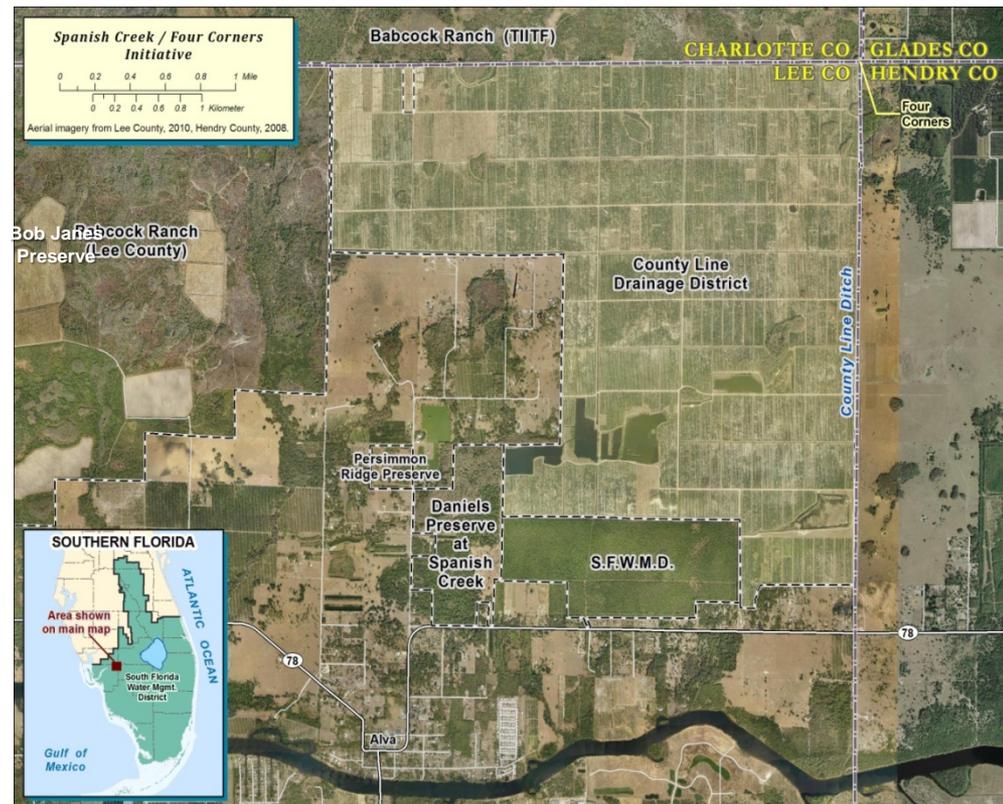
- Cooperative Agreement - Gulf Citrus Growers Association
 - Conceptual Design - October 2013
 - East Cell
 - 1,800 acres
 - Capacity - 3,600 ac-ft
 - West Cell
 - 620 acres
 - Capacity - 1,240 ac-ft



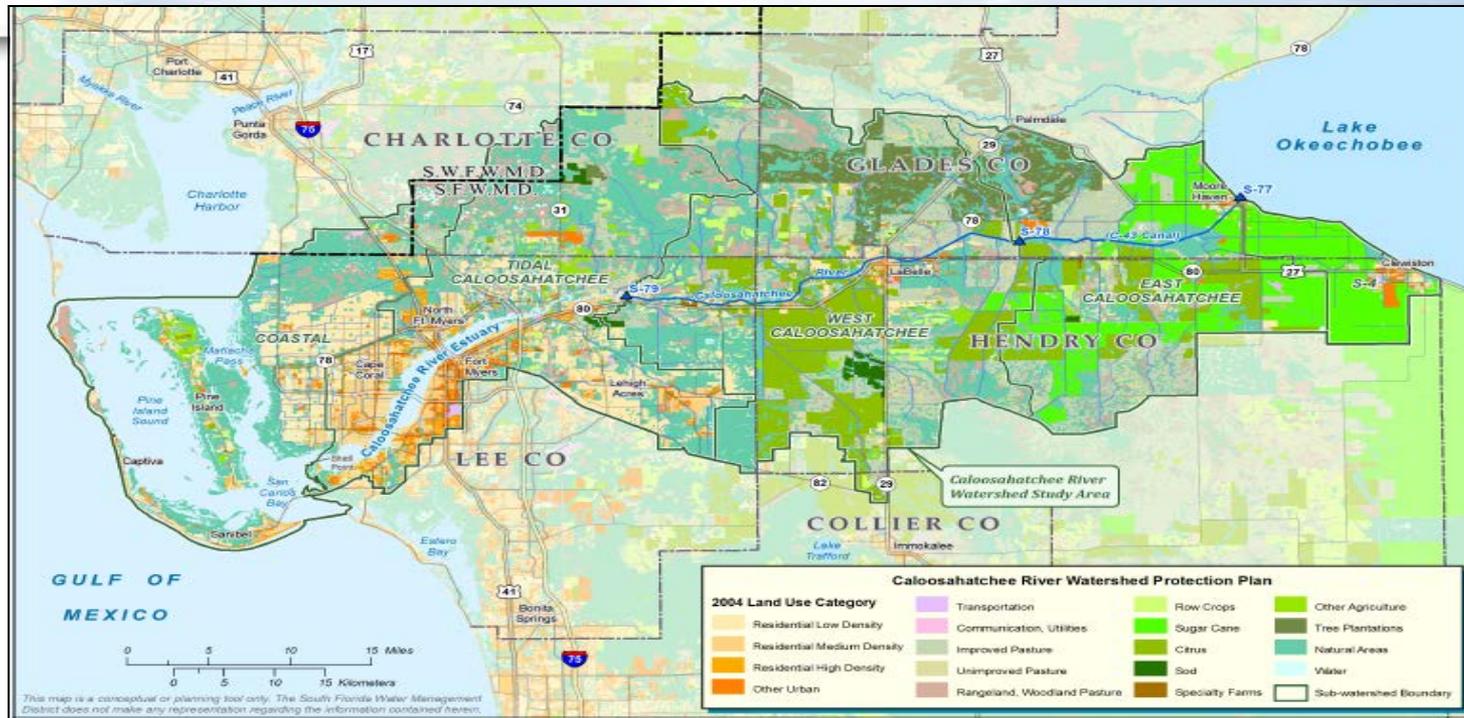
Four Corners

- **Hendry County**
 - Provides water storage and treatment improvements
 - Design and permitting of flowway to be complete May 2014

- **Lee County**
 - Bob Janes Preserve (300 ac-ft) to be complete February 2014
 - Daniels Preserve Water Quality Construction scheduled to start March 2014



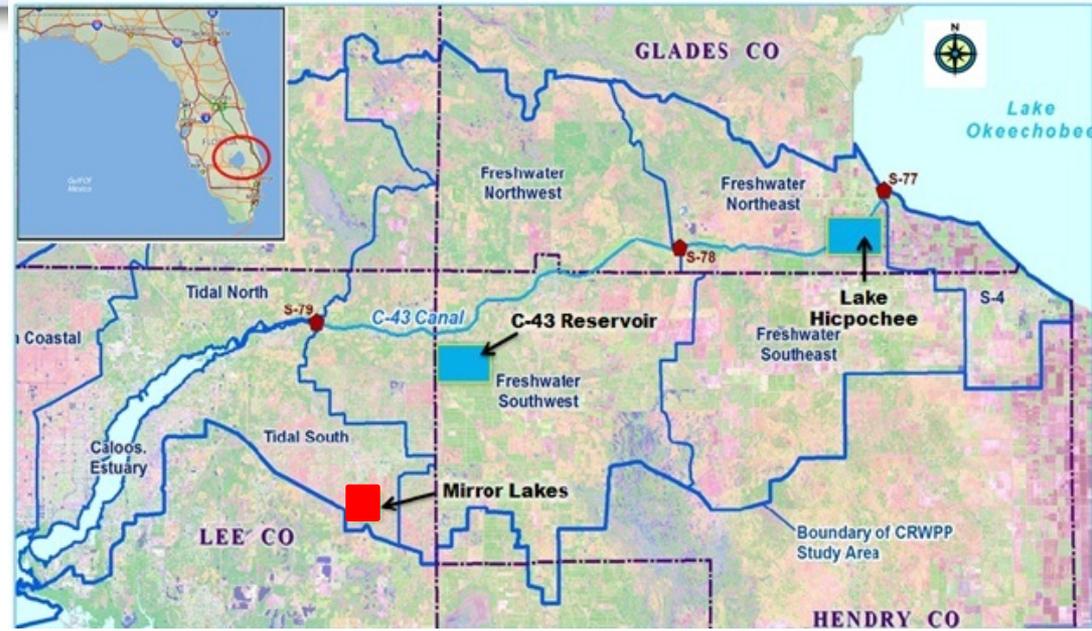
Watershed Restoration



- Changes in land use have expanded the watershed over time
- Northern and southern watershed projects:
 - Restore historic flow
 - Reestablish connectivity of the watershed
 - Reduce burden on the estuary during high flow events

Lehigh Headwaters - Mirror Lakes/ Halfway Pond

- Phase 1: Rehydrate Mirror Lakes Preserve
 - 1,000 ac-ft of storage
 - Completed October 2012
- Phase 2: Restore flow south of SR-82
 - 500 ac-ft of storage
- Phase 3: Convey flow to Estero watershed
 - 2,000 ac-ft of storage



07/31/2013

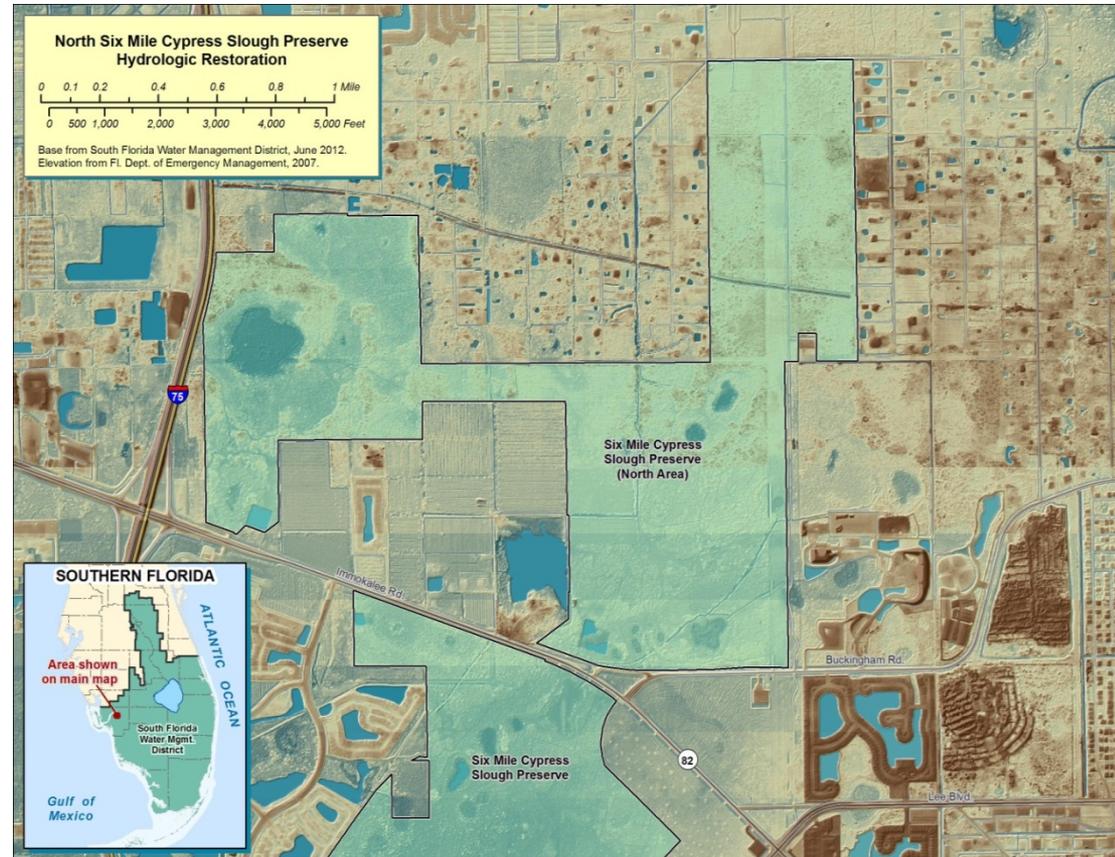
Lehigh Headwaters - Southwest Weirs

- Reduces Total Nitrogen and Total Phosphorus discharges to the Caloosahatchee River
 - 1,000 ac-ft of storage
- 123 acres of habitat will be restored and conserved
- Permits acquired; construction will begin October 2014



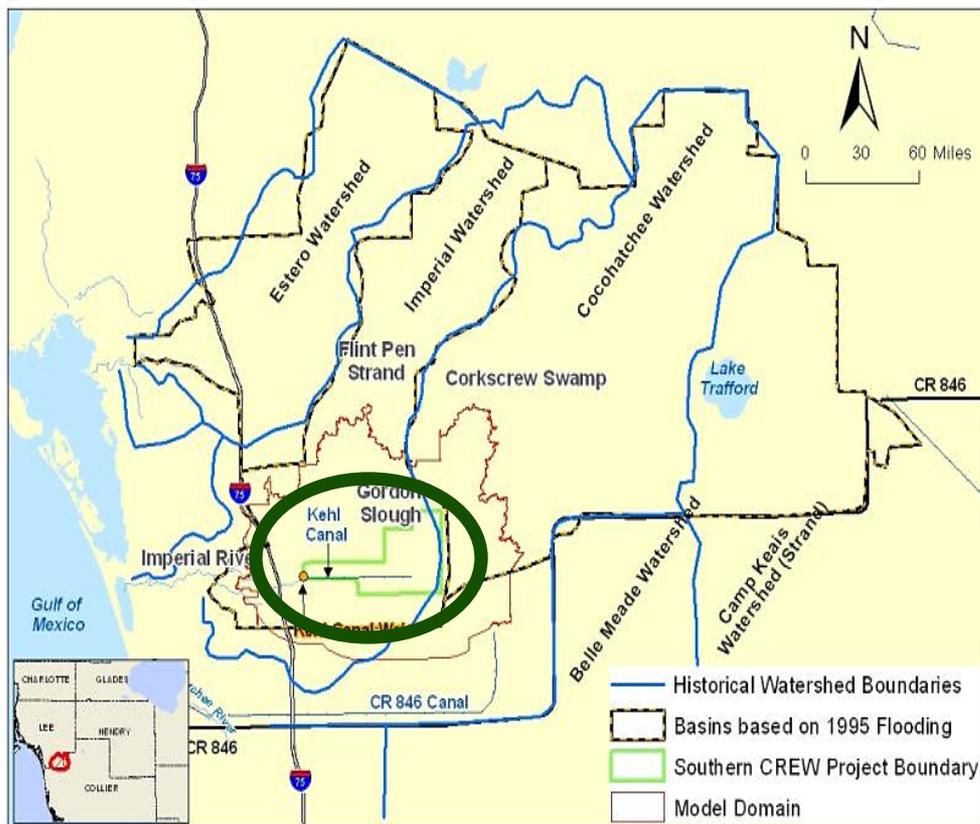
North Six-Mile Cypress Preserve Headwaters Storage Project

- Key Project in the Six Mile Cypress Watershed Initiative
- Multiple agencies and partnerships
- Provides 1,400 acre-feet of storage
- Restores historic sheetflow south
- Permits are being finalized
- Construction to be complete June 2014

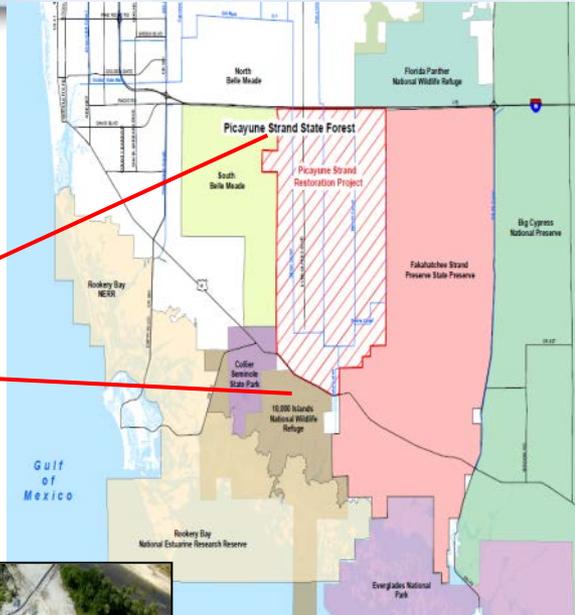


Southern Crew Wetland Restoration Project

- Restores the hydrology and ecology of 4,150 acres
 - Creates wetlands from uplands - 256 acres
 - Improves hydrology - 1,520 acres
- Design complete; Permitting initiated

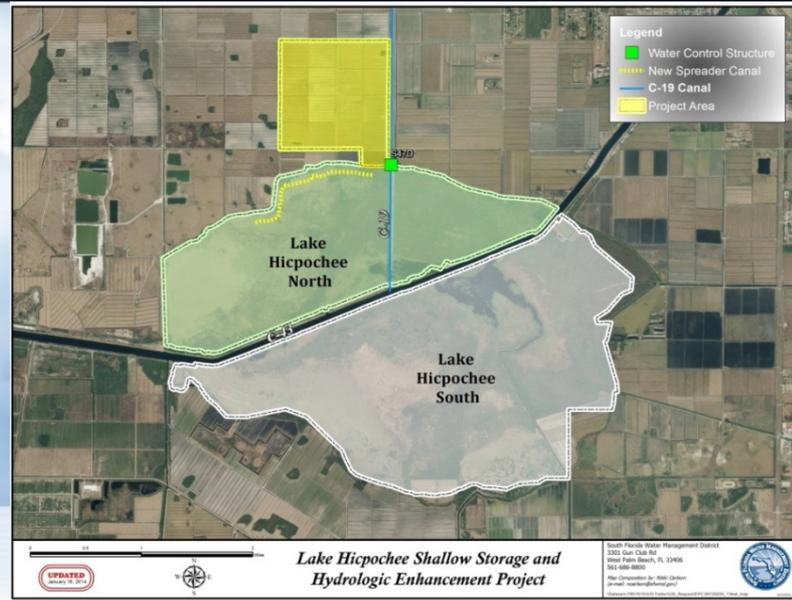


Picayune Strand Restoration



- Restores and enhances 72,000 acres of wetlands and improves the water quality of coastal estuaries
- Phase IV road removal and canal plugs pending spending authorization
- Pump stations under construction
 - Manatee Mitigation Feature in design





Discussion

