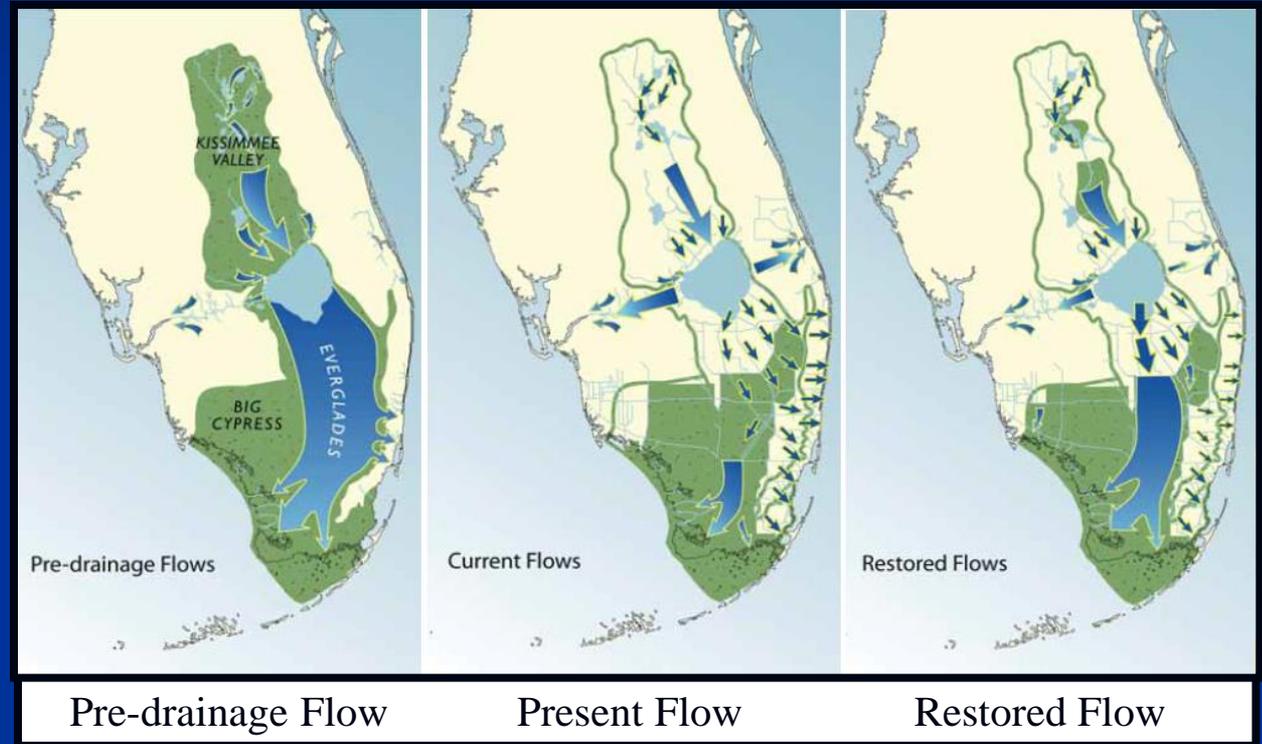


Everglades Restoration Definitions

- CERP
- CEPP
- C-44, C-43
- EAA
- IRL South
- Plan 6
- SLE
- STA
- Water Farming
- WCA
- WRDA

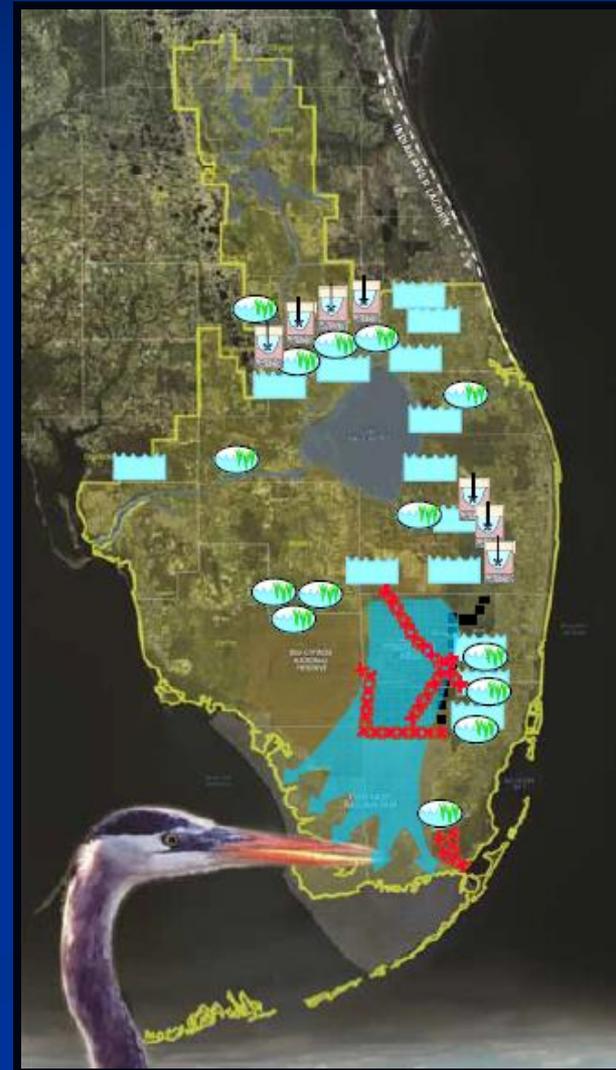


Source: The National Academies

CERP

Comprehensive Everglades Restoration Plan

- A partnership between the State of Florida and the federal government to complete dozens of projects over the next 30 years to restore the River of Grass.
- Funds provided by local governments (e.g., Martin County) help move projects forward.



Reservoir



STA

(Stormwater Treatment Area)



ASR Well

(Aquifer Storage & Recovery)



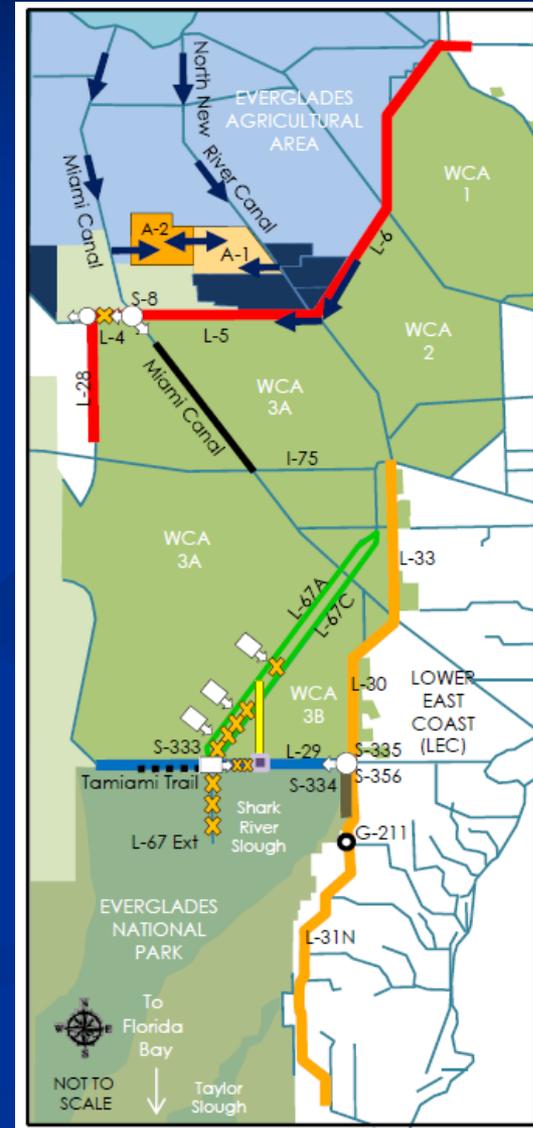
Remove flow barriers



CEPP

Central Everglades Planning Project

- A 10+ year project that would divert approximately 25% of Lake Okeechobee discharge water into a portion of western Broward County.
- Engineering & design is underway – the tentatively proposed plan is shown at right.
- Awaits state & federal funding
- Couldn't come on-line before 2024.



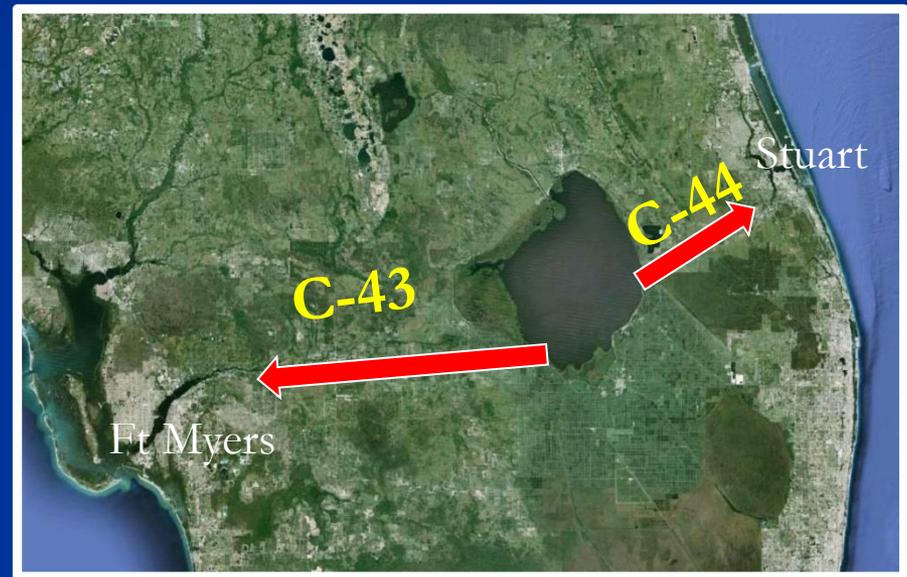
C-44, C-43

➤ C-44 (aka) St. Lucie Canal

The existing man-made canal that allows Lake Okeechobee water to be discharged east into the St. Lucie Estuary.

➤ C-43

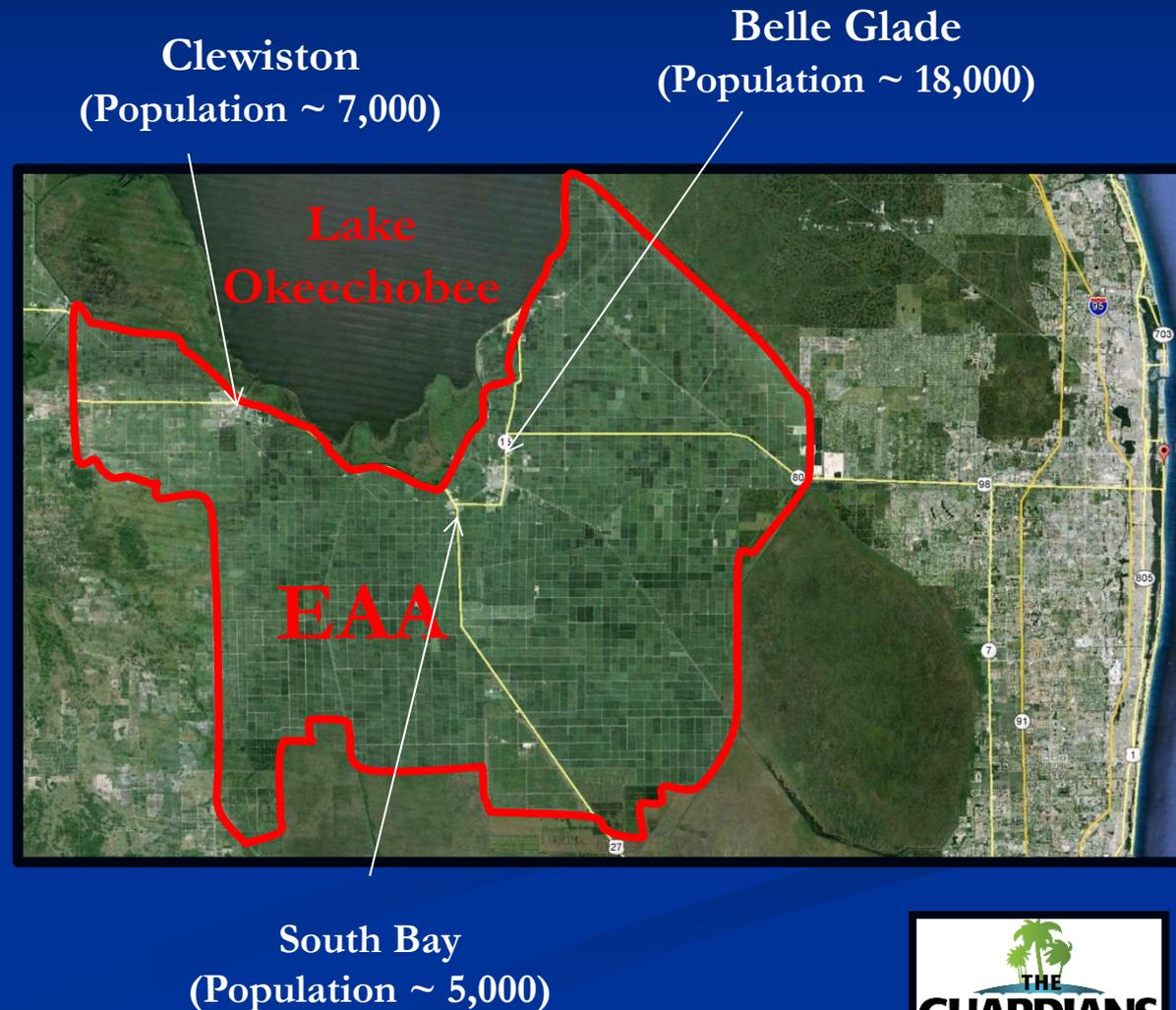
The existing man-made canal that allows Lake Okeechobee water to be discharged west into the Caloosahatchee River toward Ft. Myers.



EAA

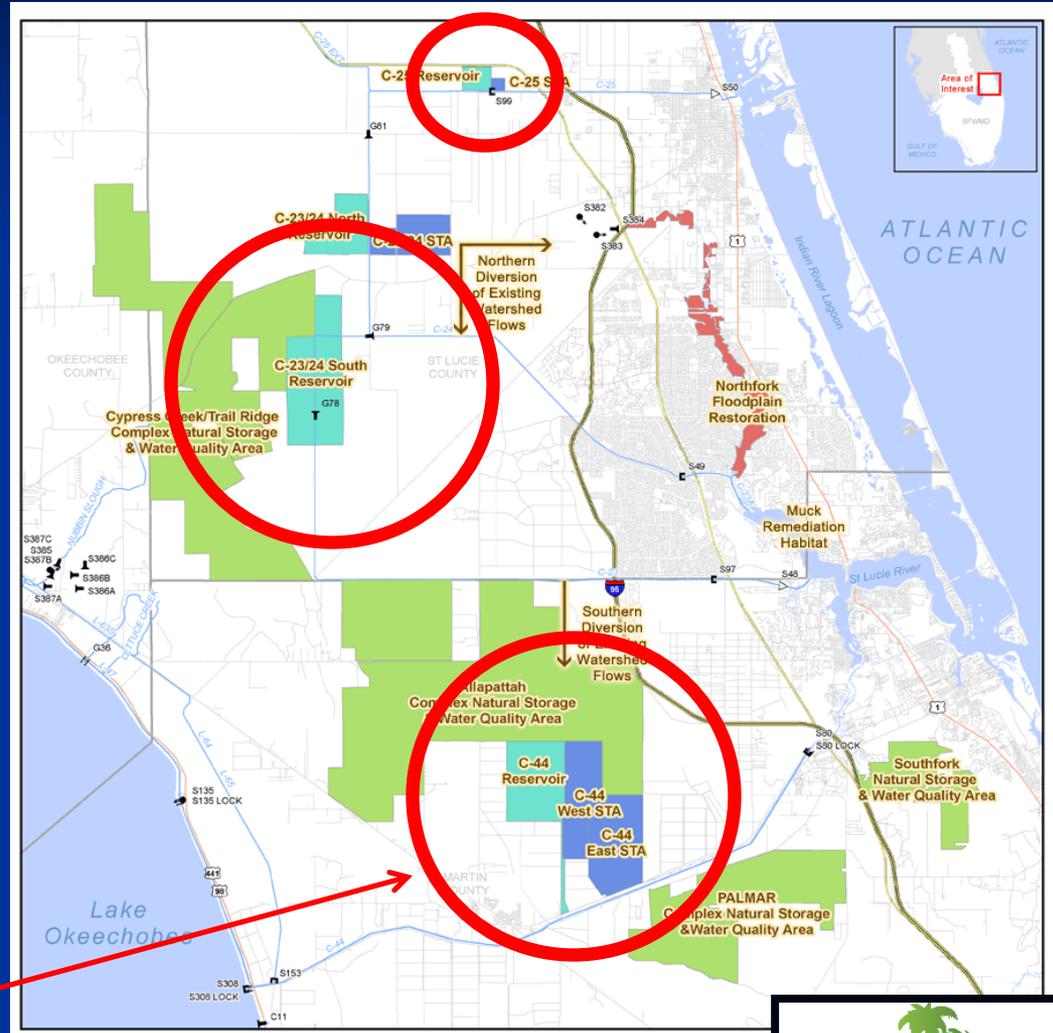
Everglades Agricultural Area

- Approximately 550,000 acres of fertile, former Everglades habitat south of Lake Okeechobee; mostly in use for agriculture
- Water levels are managed to maximize agricultural production; discharging excess rain during the summer months and using Lake O waters for irrigation during the dry season.



IRL (Indian River Lagoon) South

- CERP includes several projects that will have direct positive effects on the southern portions of the Indian River Lagoon.
- Localized surface runoff will be directed into reservoirs and stormwater treatment areas before being discharged into the IRL.

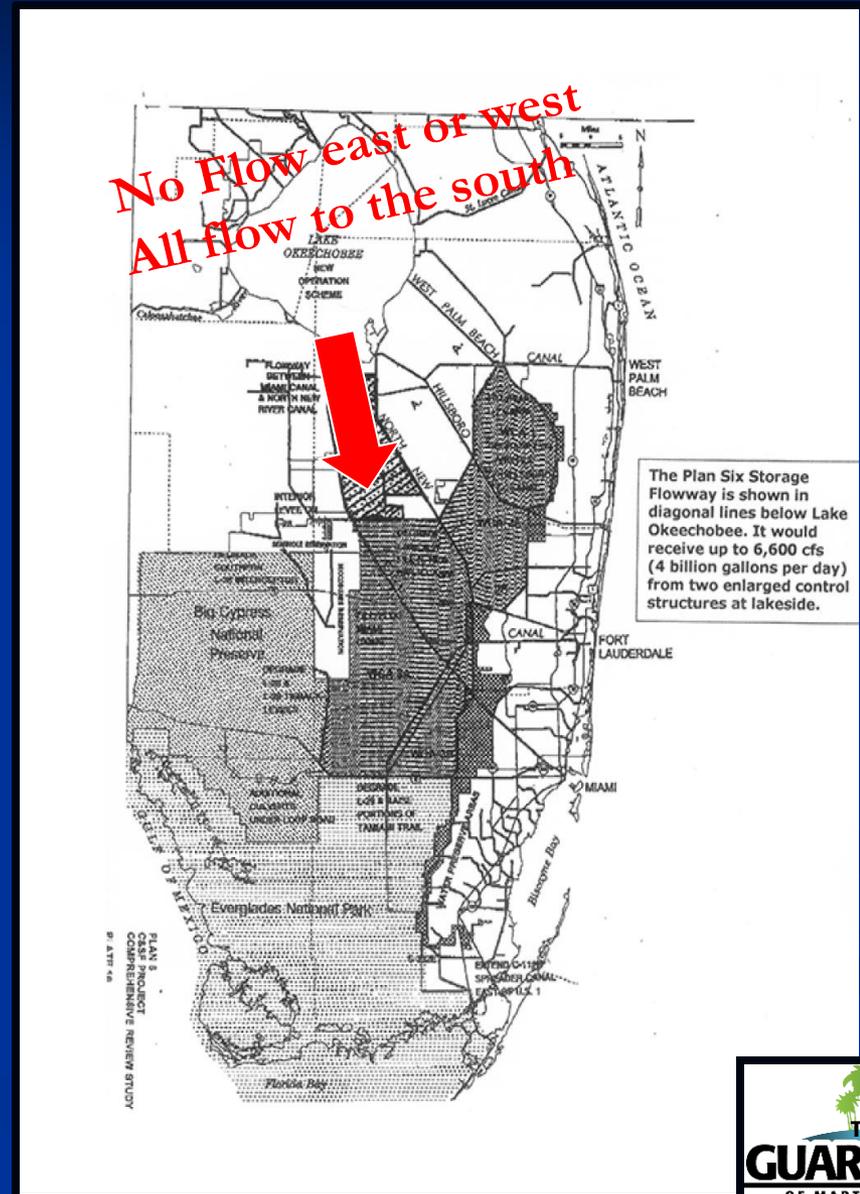


The C-44 Reservoir project has been started, but needs funding for completion.



Plan 6

- An aggressive initiative that eliminates all discharges into the estuaries by moving excess Lake Okeechobee water south to the Everglades through a wide, shallow, flow-way through tens of thousands of acres of existing agricultural areas.

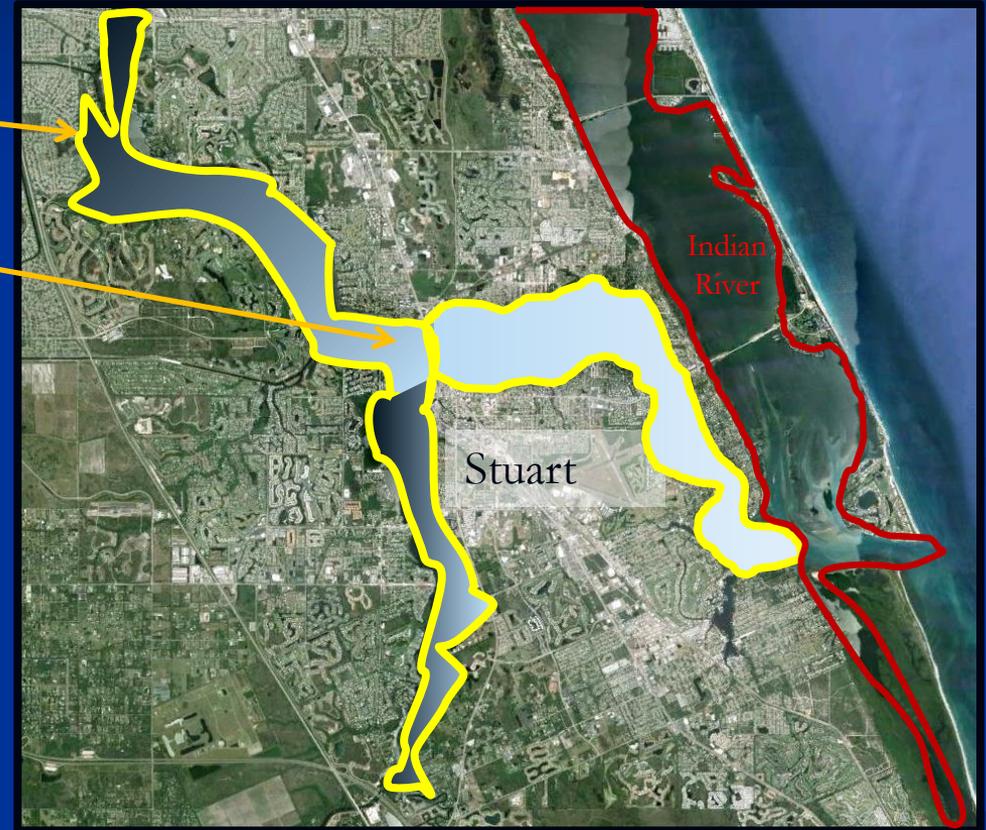


SLE

St. Lucie Estuary

The North Fork and the South Fork meet near the Roosevelt Bridge and flow east into the Indian River Lagoon.

Thriving estuaries are biologically productive areas that require a mixture of fresh water and salt water



When the salinity plunges for extended periods as a result of large & extended inputs of fresh water, oysters & other marine life dies.

STA

Stormwater Treatment Area

- Large constructed wetlands that collect surface run-off and allow plants to uptake excess nutrients before the water is discharged into natural areas.
- The plants are intermittently harvested to remove the nutrients that they have absorbed.



Example - STA 1 East

Water Farming

- Government-subsidized payments to owners of large tracts of agricultural land to compensate them for storing more water on their property than they would prefer.



Water farming is gaining in popularity in the Kissimmee River watershed, to prevent excess rainy-season water from entering Lake Okeechobee.

WCA

Water Conservation Areas

- Large tracts of publicly-owned lands that store surface water and recharge groundwater for urban, agricultural, industrial and environmental uses.
- (WCA 1 is also referred to as Loxahatchee National Wildlife Refuge)



Map Source: S. Fla Water Management District



WRDA

Water Resources Development Act

- Federal legislation that authorizes the Corps of Engineers to expend resources on water-related projects.
- Was last approved by Congress in 2007.
- Is presently being considered for approval in late 2013; funding for Everglades-related projects (including the Central Everglades Planning Project) is questionable.

113TH CONGRESS
1ST SESSION

S. 601

AN ACT

To provide for the conservation and development of water and related resources, to authorize the Secretary of the Army to construct various projects for improvements to rivers and harbors of the United States, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

1 SECTION 1. SHORT TITLE; TABLE OF CONTENTS.

2 (a) SHORT TITLE.—This Act may be cited as the
3 “Water Resources Development Act of 2013”.

4 (b) TABLE OF CONTENTS.—The table of contents of
5 this Act is as follows:

Sec. 1. Short title; table of contents.
Sec. 2. Definition of Secretary.

TITLE I—WATER RESOURCE PROJECTS

Sec. 1001. Purposes.
Sec. 1002. Project authorizations.
Sec. 1003. Project review.
Sec. 1004. Future project authorizations.

TITLE II—WATER RESOURCES POLICY REFORMS

