

# US Sugar Land Purchase, River of Grass Project, SugarHill Sector Plan, Amendment 1

**Rivers Coalition**  
**September 24, 2014**

Mark Perry, Executive Director  
Florida Oceanographic Society



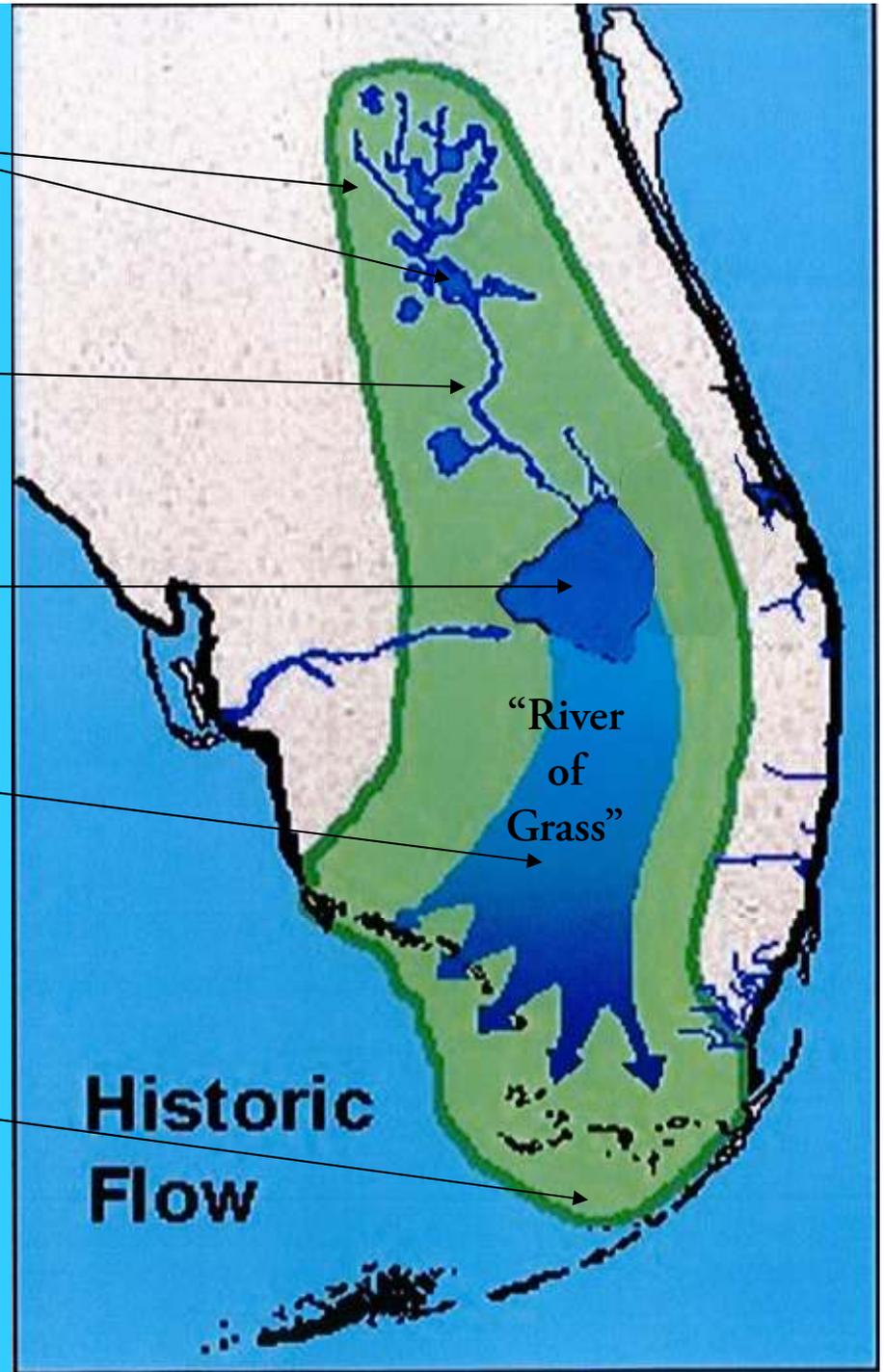
Upper Chain of Lakes flow south  
into Lake Kissimmee

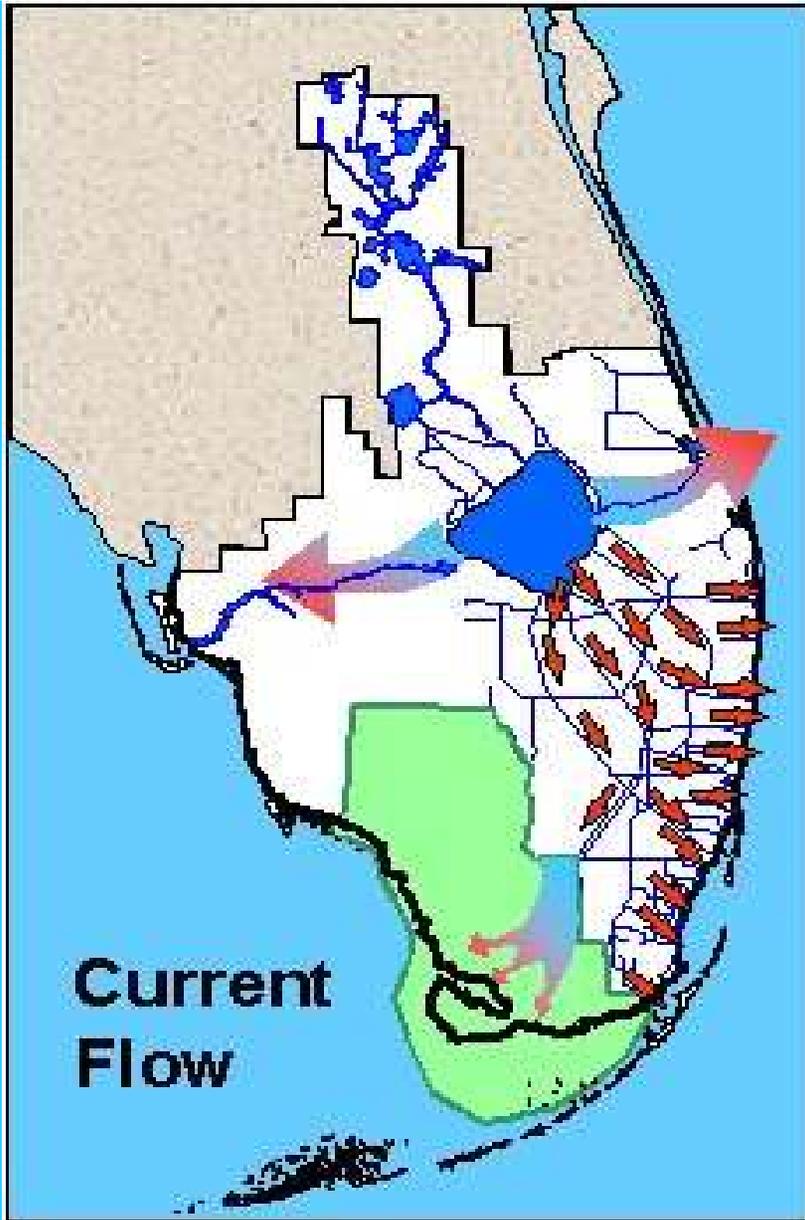
Lake Kissimmee flows south into the  
Kissimmee River – 105-mile Oxbow  
River with 2-mile-wide floodplain

Water takes 6-8 Months to reach  
Lake Okeechobee

Lake Okeechobee flows south through  
“River of Grass”, Everglades - 60-mile  
wide shallow (1 ft deep) river flowing at  
1 mile in 4 days.

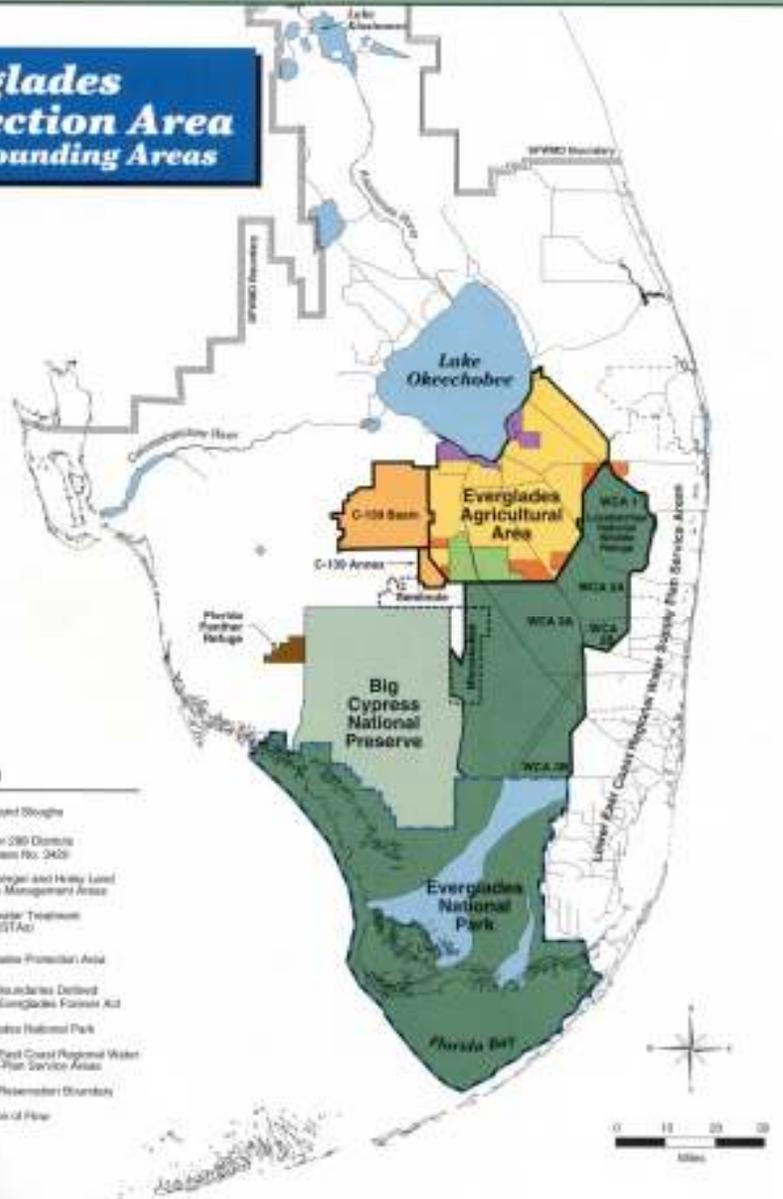
Water takes 16 Months to reach  
Florida Bay



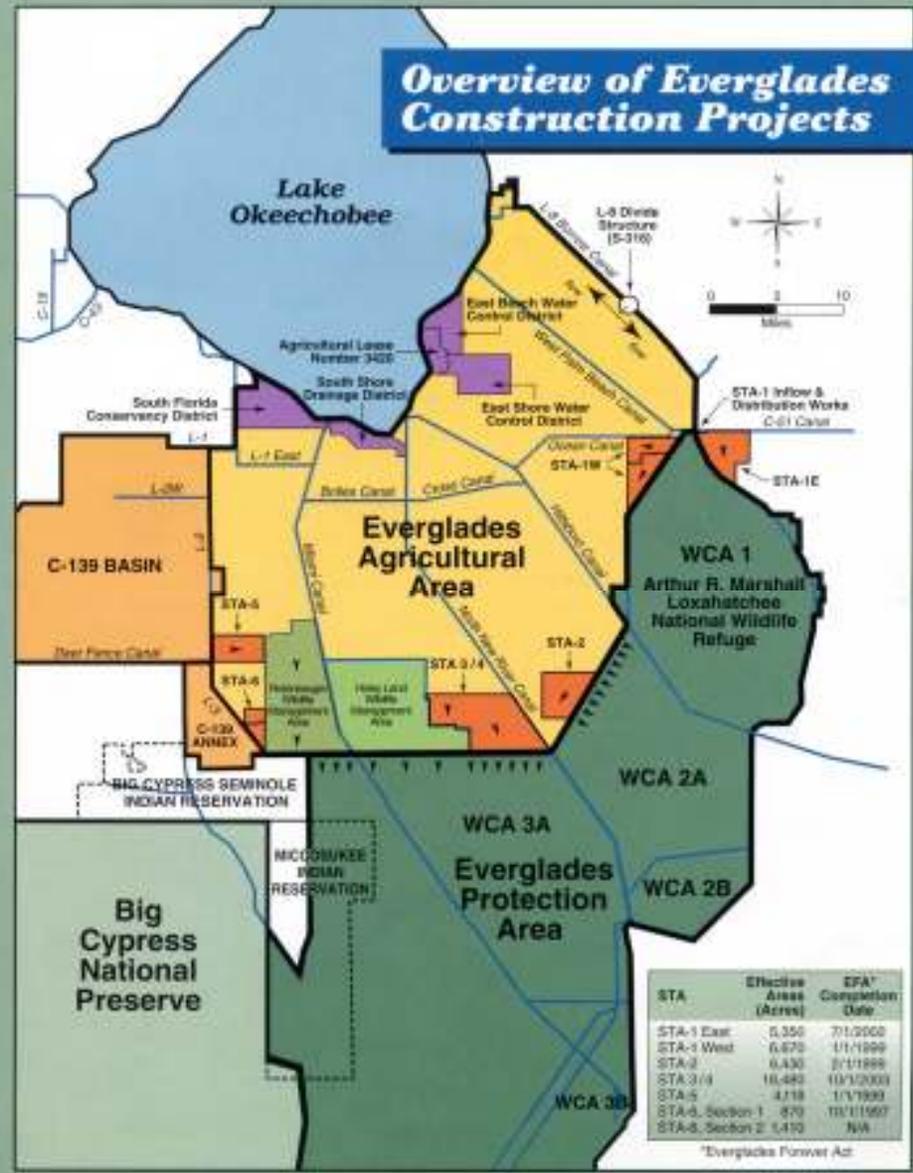


**1.7 Billion Gallons per Day of freshwater is wasted to the Atlantic Ocean and Gulf of Mexico! (\$5.9 million/day)**

## Everglades Protection Area & Surrounding Areas



## Overview of Everglades Construction Projects



1994 Everglades Forever Act – Projects \$ 1.2 Billion

*Rescuing an Endangered Ecosystem:  
The Plan to Restore America's  
Everglades*



*The Central and Southern Florida Project  
Comprehensive Review Study  
(The Restudy)*

**On December 11, 2000, the President signed the Water Resources Development Act (WRDA) of 2000, approving:**

**Comprehensive  
Everglades  
Restoration  
Plan**

**A series of environmental and other improvements over 30+ years with an estimated cost of \$7.8 billion (Now \$10-14 billion )**



# Current Everglades Restoration Projects

## Everglades Restoration Projects Non-CERP (Comprehensive Everglades Restoration Plan)

1. Kissimmee River
2. C-111 South Dade
3. C-51/STA-1E
4. Modified Water Deliveries
5. Herbert Hoover Dike Rehab
6. State Restoration Strategies – Water Quality (Florida)
7. Tamiami Trail - Next Steps Bridging (DOI, USACOE, Florida)

## 1st Generation CERP (Authorized WRDA 2007 – Under Construction)

1. Site 1 Impoundment
2. IRL-South (C-44 Project, C-23/C-24/C-25 Project)
3. Picayune Strand

## 2nd Generation CERP (Authorized -WRRDA 2014)

1. C-43 Reservoir
2. Broward County WPA
3. C-111 Spreader Canal
4. Biscayne Bay Coastal Wetlands

## 1. Central Everglades Planning Project (CEPP) – CERP (Waiting Authorization )

- Everglades Agriculture Storage Reservoir
- WCA 3 Decompartmentalization & Sheetflow Enhancement
- S-356 Pump Station Modifications
- L-31 Levee Seepage Management
- System-Wide Operational Changes
- Flow to Northwest & Central WCA 3A

# \$1.75 billion deal aims to protect Everglades

Florida would pay U.S. Sugar to go out of business and get firm's land.

**BY MICHAEL WELLS**  
**WELLSVILLE, Pa.** — U.S. Sugar Corp., the nation's largest producer of cane sugar, would pay out of business in a \$1.75 billion deal to sell its nearly 300,000 acres of land in Florida to Everglades restoration, the company and its main partner said Tuesday.



U.S. Sugar CEO Robert Baker, left, talks with Florida Gov. Charlie Crist, and Florida Wildlife Management Director Chris Heath (center) at a news conference Tuesday.

Restoration can still require far additional steps to sign an agreement by September. That deal is in place, U.S. Sugar would be allowed to lease the 60,000 acres of land for use as a sugar cane field.

"The restoration of the Everglades is a long-term project, and I believe we will be the largest contributor to the restoration of the Everglades," Gov. Crist said. "The land would be used to produce a cane crop that is low in water use and high in sugar content, and it would be used for other purposes such as bioenergy production."

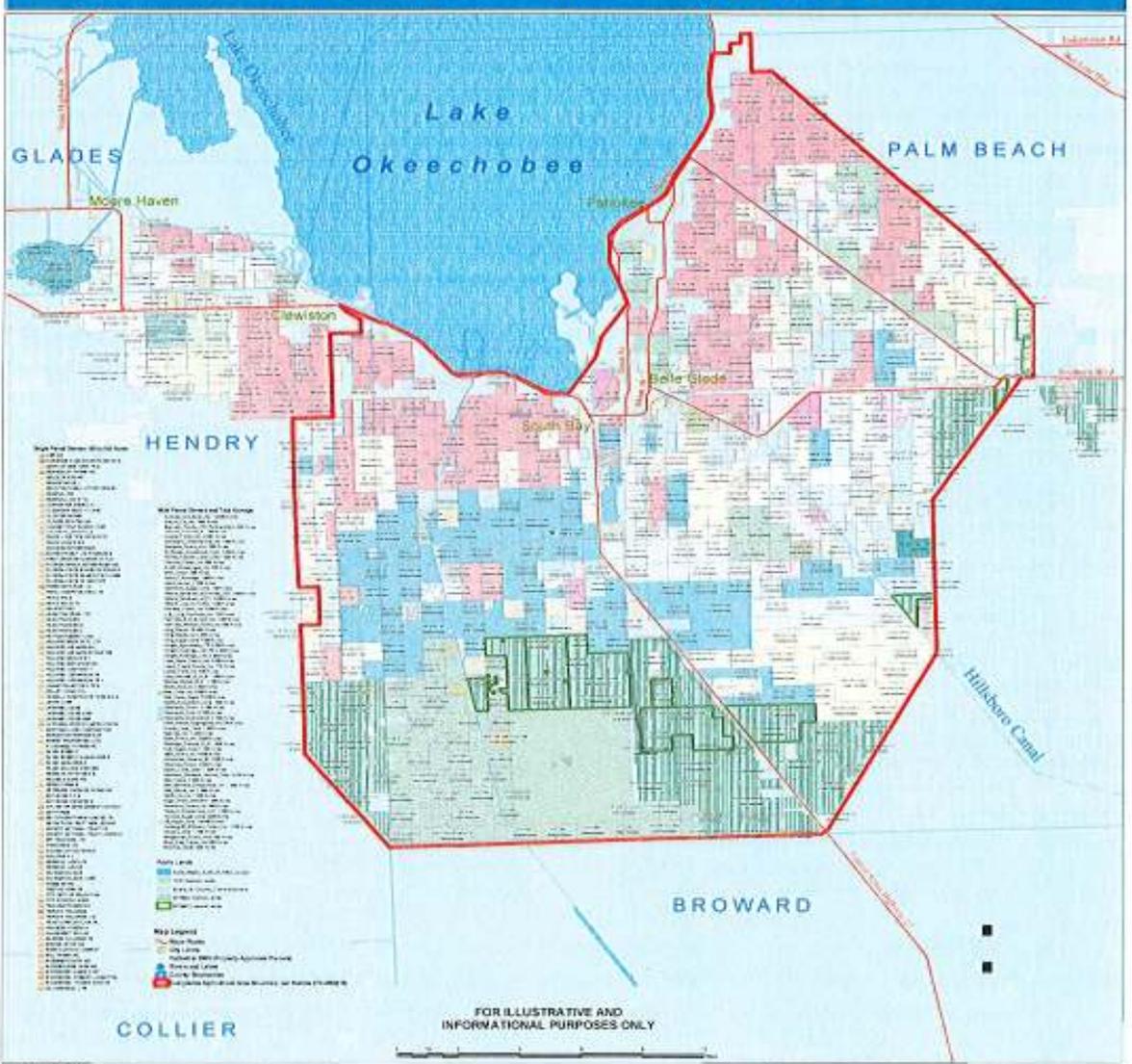


U.S. Sugar CEO Robert Baker called the deal "a landmark" but also said he was not sure the deal would be approved by the state's voters.

Gov. Crist said the deal is "a landmark" in the history of the Everglades, which he said is "the most important natural resource in Florida."

The nearly 300,000 acres of land that U.S. Sugar owns could be used to help restore a water control flow to the Everglades, which is threatened by agriculture and residential development.

## Aggregate Ownership Greater than 160 Acres Located Within the Everglades Agricultural Area Based on 2003 Department of Revenue County Tax Parcel Data



**FOR ILLUSTRATIVE AND INFORMATIONAL PURPOSES ONLY**

**DISCLAIMER:** The data shown here is for illustrative purposes only. It is not intended to be used for any other purpose. The data is based on 2003 Department of Revenue County Tax Parcel Data. The data is not intended to be used for any other purpose. The data is not intended to be used for any other purpose.

June 24, 2008

180,000 acres

US Sugar Corp. farmlands  
 (red color on map)



## Reviving the River of Grass



- Home
- About SFWMD
- Governing Board
- Regional Service Centers
- News, Events & Meetings
- Water Conservation
- Procurement & Contracts
- Career Opportunities
- Recreation
- Learning Center
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- Weather
- Water Conditions
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- Site Info

### DISTRICT ACQUIRES 26,800 ACRES TO REVIVE THE RIVER OF GRASS

#### Background

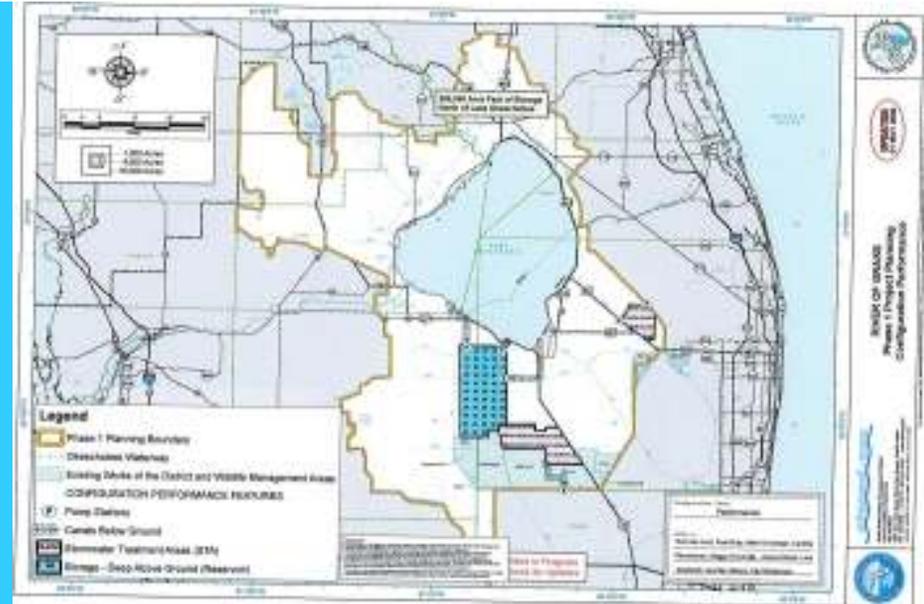
**June 2008:** Governor Charlie Crist announced that the South Florida Water Management District would begin negotiating an agreement to acquire as much as 187,000 acres of agricultural land owned by the United States Sugar Corporation for Everglades restoration. Acquiring the enormous expanse of real estate offers water managers the opportunity and flexibility to store and clean water on a scale never before contemplated to protect Florida's coastal estuaries and to better revive, restore and preserve the fabled River of Grass.

**December 2008:** Following extensive negotiations, due diligence and public deliberation, the South Florida Water Management District's Governing Board voted to accept the negotiated proposal to acquire more than 180,000 of agricultural land for \$1.24 billion, contingent upon financing and affordability.

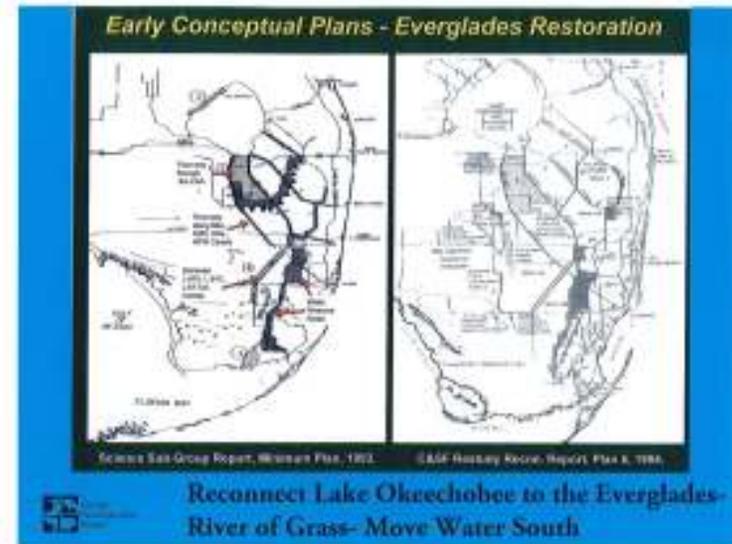
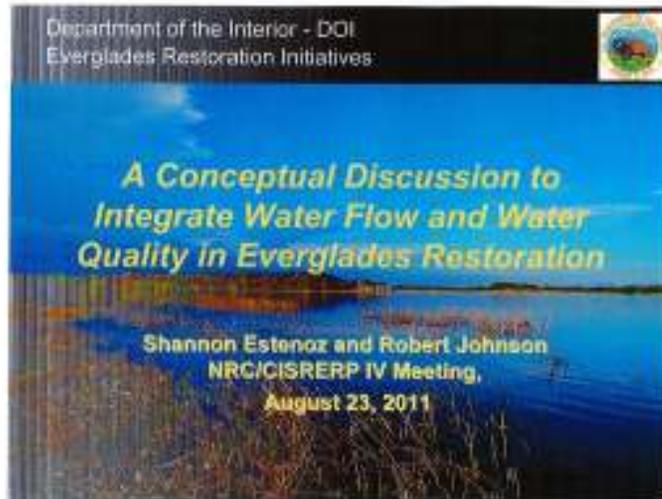
**May 2009:** After gathering key input from the public, legislators and South Florida's communities and recognizing the nation's current economic climate, the South Florida Water Management District and U.S. Sugar Corporation amended the agreement providing for an initial purchase of close to 73,000 acres for \$536 million, with options to purchase the remaining 107,000 acres during the next ten years when economic and financial conditions improve.

**August 2010:** In light of continued economic impacts, a decline in District revenues and the need to address recent federal court orders related to Everglades restoration, the Governing Board approved on August 12, 2010, a second amended and restated agreement for purchase and sale of land from the U.S. Sugar Corporation. Under the modified purchase, the District will utilize \$197 million in cash on-hand to take ownership of 26,800 acres of strategically located lands with high restoration potential while preserving the option to acquire 153,200 acres of additional lands, if future economic conditions allow.

- 3C Kissimmee
- 3E Lake Okechobee
- 3E Everglades
- 3C Coastal Areas



## River of Grass Project Planning- 2008-2010 – Stakeholder Meetings - 9 different Plans



## US Sugar Land Purchase

Purchased October 12, 2010

8,900 sugarcane acres-PB County

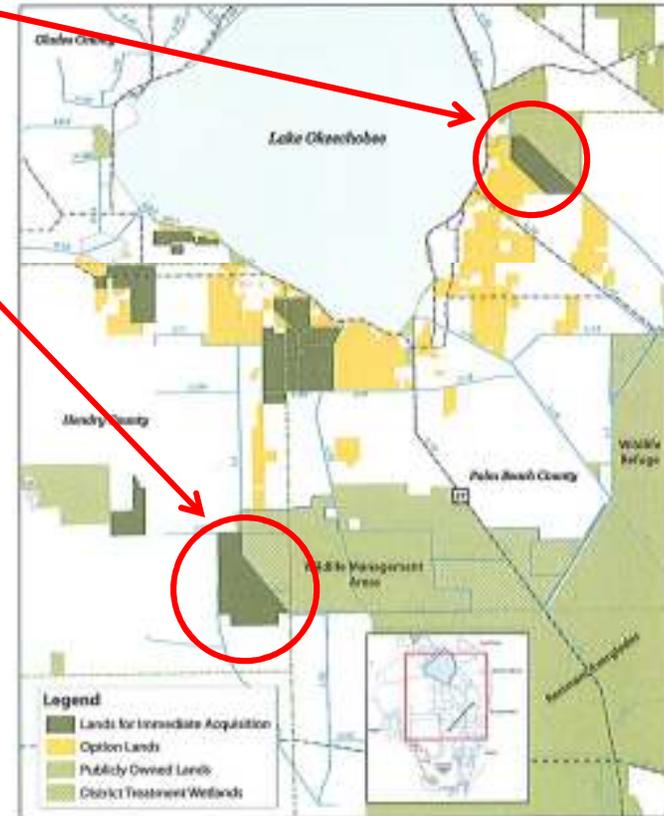
17,900 citrus acres-Hendry County

26,800 acres total

1-Exclusive 3-Year option to purchase 46,800 acres or the entire 153,200 acres at a fixed price-\$ 7,400 per acre (Expired: October 2013)

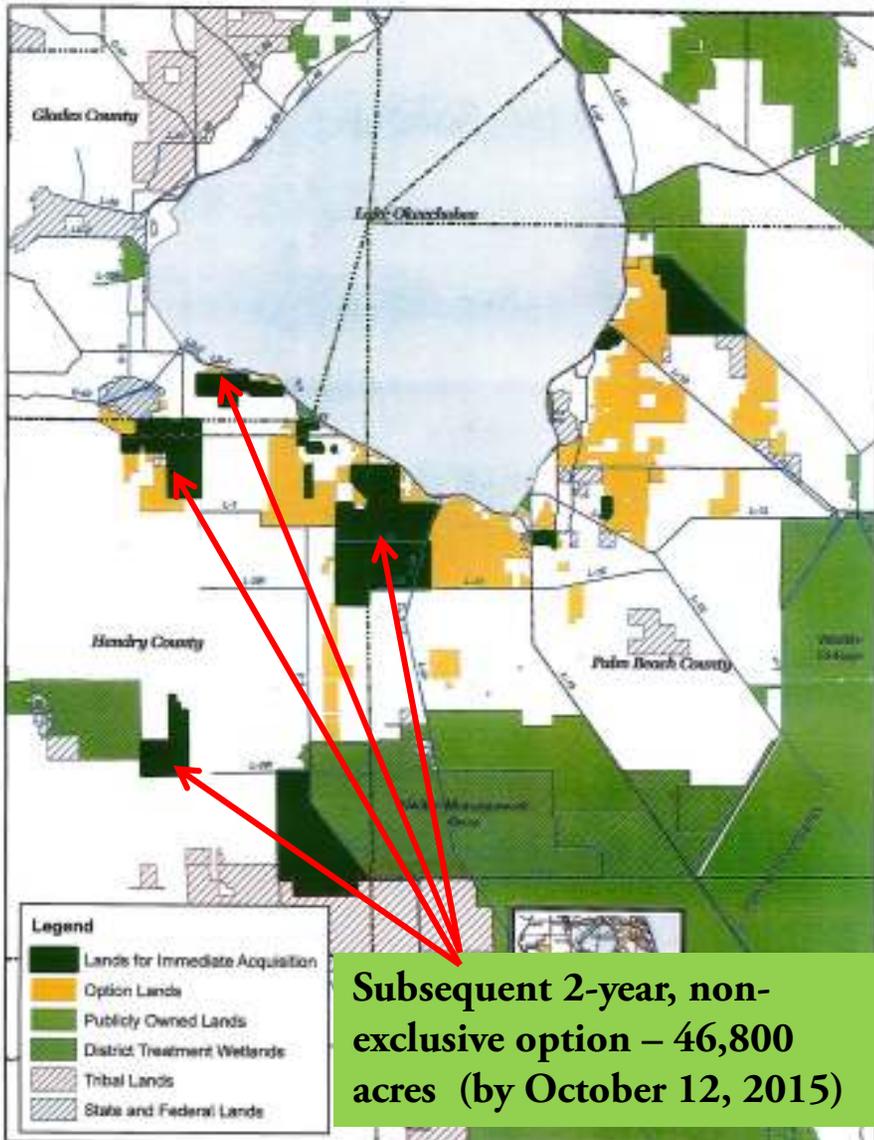
2- Non-exclusive subsequent 2-Year Option to purchase 46,800 acres at Fair Market Value (Expires: October 2015)

3 - Non-exclusive 7-Year Option to purchase remaining acres at Fair Market Value (Expires: October 2020)

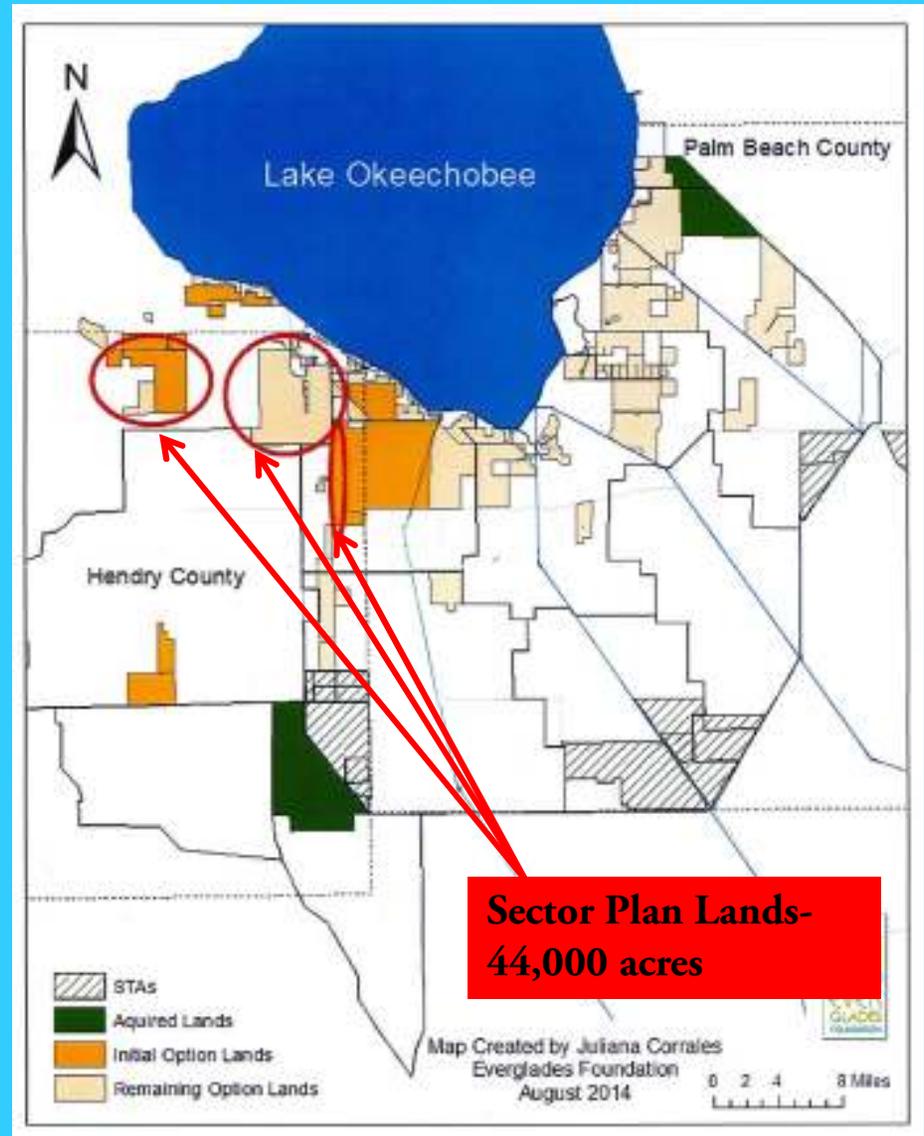


US Sugar Corp purchase reduced- 73,000 ac - \$530 M in April 2009

Then to 26,800 acres - \$197 M - October 2010 with 10-year Option



**Subsequent 2-year, non-exclusive option – 46,800 acres (by October 12, 2015)**

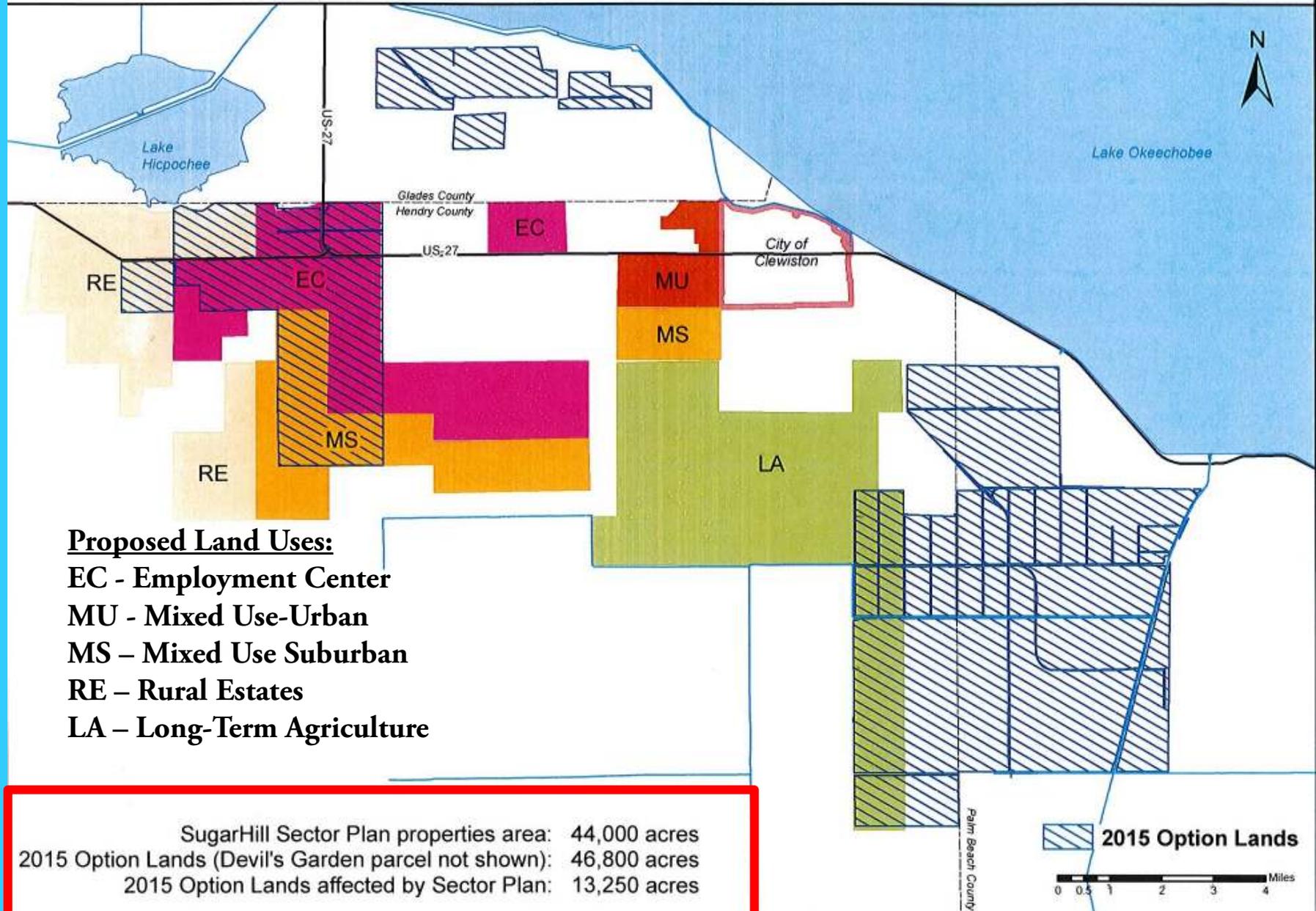


**Sector Plan Lands- 44,000 acres**

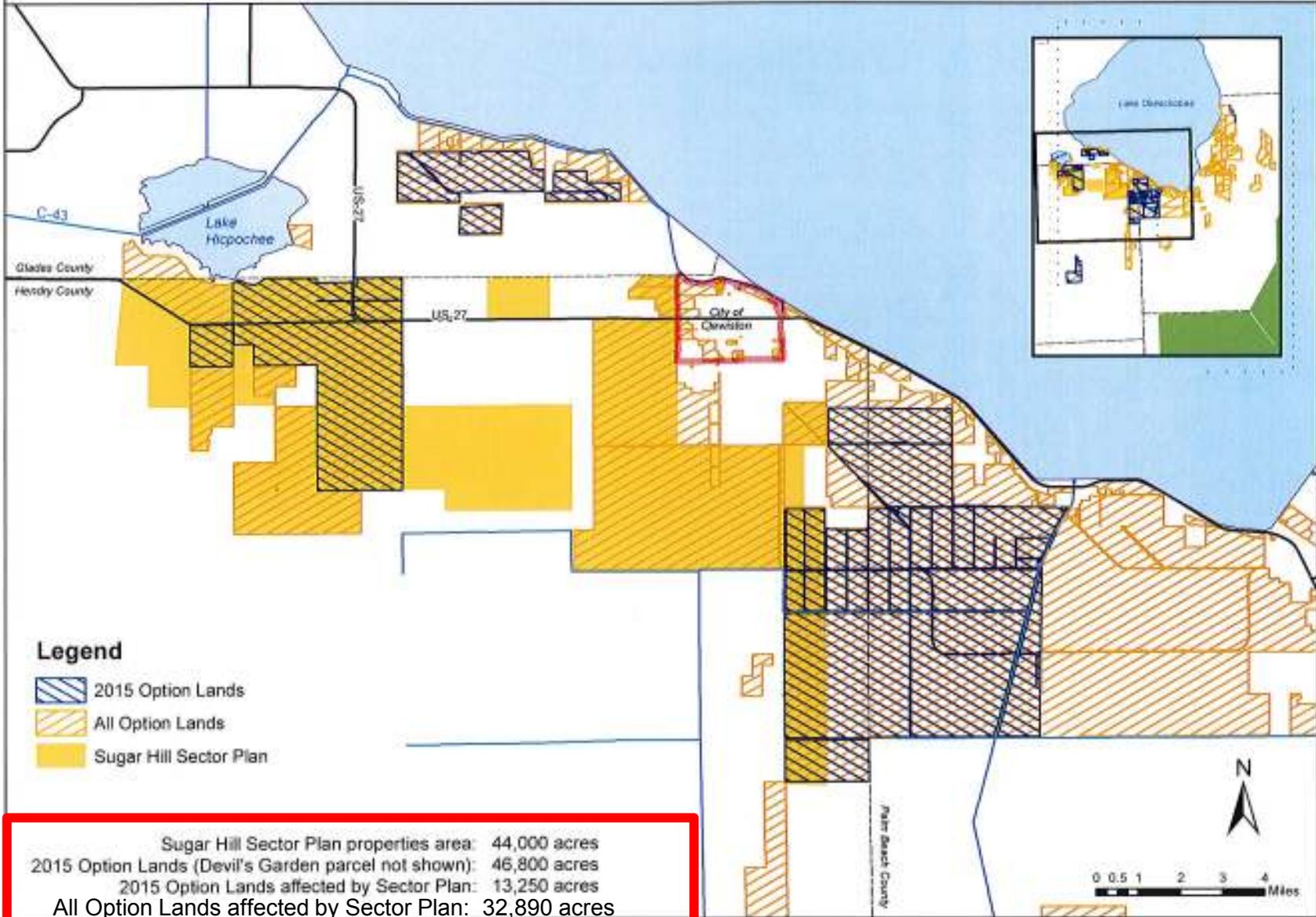


# SugarHill Sector Plan - Land Use changes in Hendry County

# SugarHill Sector Plan Land Use Change and 2015 Option Lands to Purchase



# Sugar Hill Sector Plan and Option Lands to Purchase



## US Sugar Land Purchase

Purchased October 12, 2010

8,900 sugarcane acres-PB County

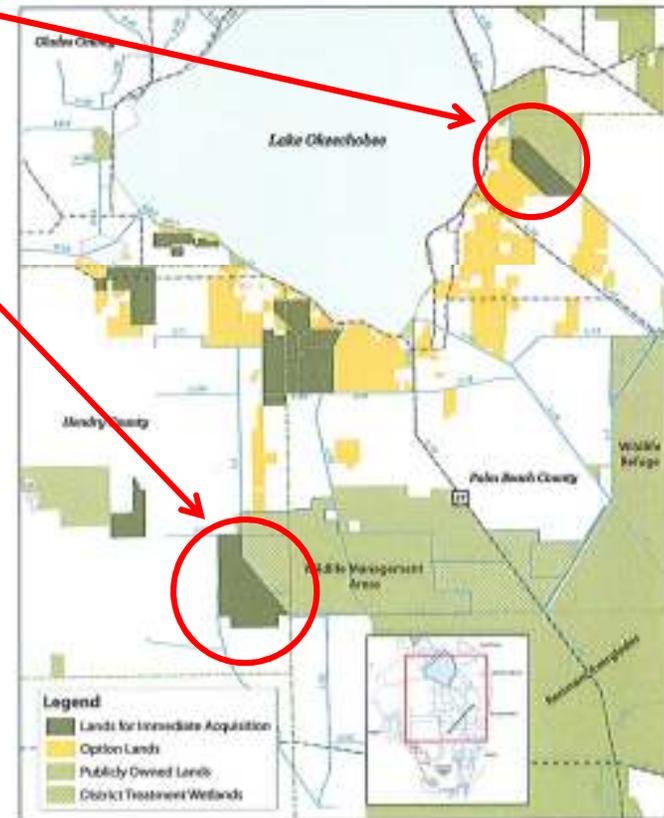
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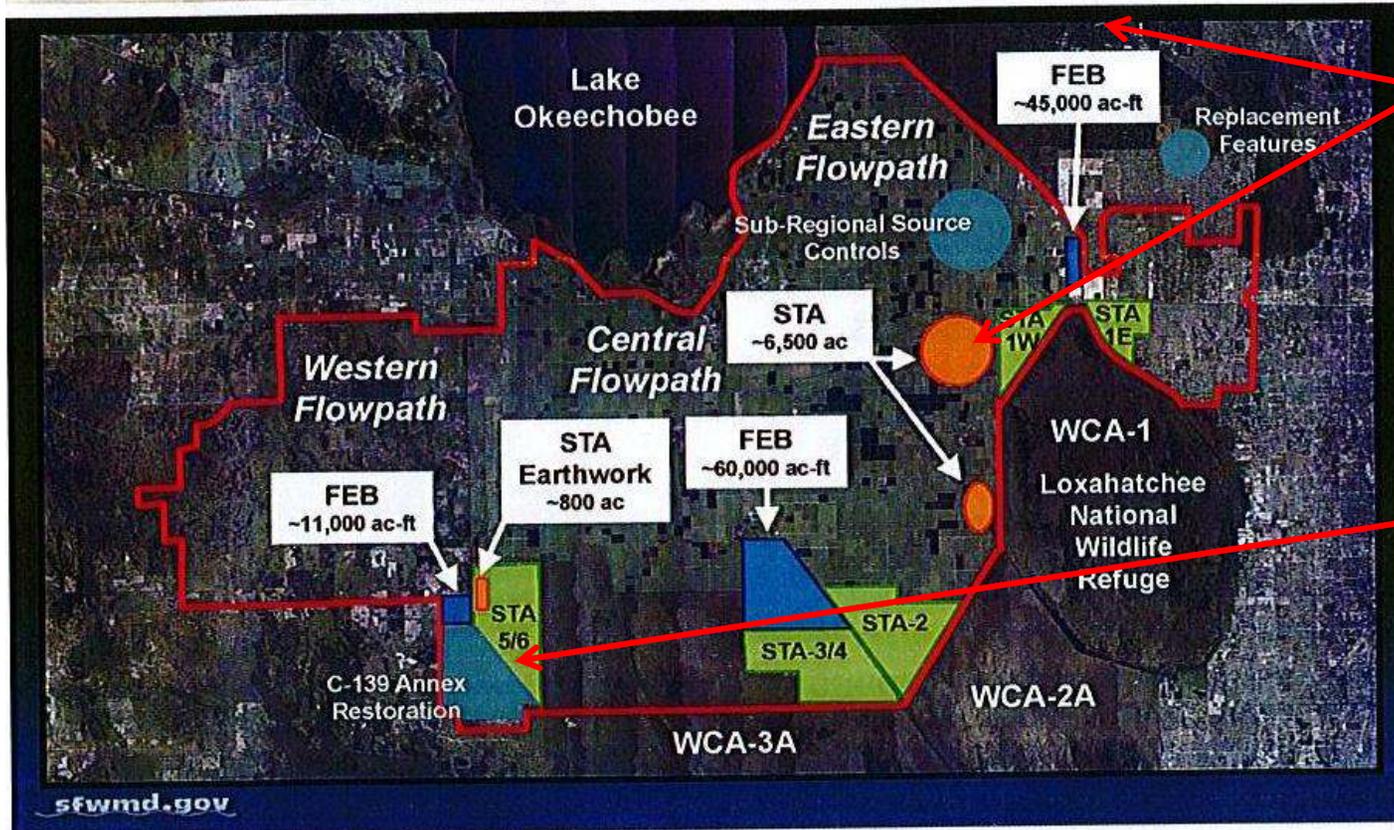
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US Sugar Corp purchase reduced- 73,000 ac - \$530 M in April 2009

Then to 26,800 acres - \$197 M - October 2010 with 10-year Option

## Restoration Strategies – Key Projects



### US Sugar Land Purchase

Initial 2010 Purchase – 8,900 acres used for exchange (plus \$6 M) for STA 1-W Expansion- 4,500 acres -10-10-13

Initial 2010 Purchase - 17,900 acres used as Flow Equalization Basin (FEB) and C-139 Annex Restoration (9-4-14)

“Restoration Strategies” – 2011 Court-Mandated Water Quality Treatment projects - \$ 880 Million – State of Florida – Governor Scott signed HB 7065- May 28, 2013 obligating \$32 Million per year for next 10 years !

# Comprehensive Everglades Restoration Plan (CERP)

68 Components

50/50 Cost Share-  
Federal/State

(State buys lands needed)



## Comprehensive Everglades Restoration Plan

April 1, 1993

United States Army Corp. of Engineers

TABLES 9-2 & 9-3 Condensed

ESTIMATED FINAL COST FOR CONSTRUCTION FEATURES INCLUDING O&M COST  
(\$1,000, October 1999 Price Levels)

CONSTRUCTION FEATURES	Construction*	Real Estate*	Total Initial Cost*	O&M	State Project	Fed. Project
<b>Mississippi River Region</b>						
North of Lake Okechobee Storage Reservoir	\$95,134	\$93,720	\$284,854	\$1,515,245		
Taylor Creek/Rubin Slough Storage and Treatment Area	\$74,320	\$29,700	\$154,020	\$2,164,114		CRITICAL RFA
Lake Okechobee Watershed Water Quality Treatment Facilities	\$47,800	\$14,448	\$62,248	\$2,630,000		
Lake Okechobee Tributary Sediment Dredging	\$3,850	\$600	\$4,450	\$0		
Lake Istokpoga Regulation Schedule	\$50	\$0	\$50	\$0		
Lake Okechobee Aquifer Storage and Recovery	\$1,108,797	\$7,515	\$1,116,312	\$25,000,000		
<b>Caloosahatchee River Region</b>						
C-43 Basin Storage Reservoir and Aquifer Storage and Recovery	\$313,574	\$132,621	\$446,195	\$5,707,589	ACCELER	
Caloosahatchee Backpumping with Stormwater Treatment	\$69,715	\$13,179	\$82,894	\$2,273,078		
<b>Upper East Coast</b>						
C-44 Basin Storage Reservoir	\$21,888	\$90,675	\$112,563	\$759,053	ACCELER	GEN1
C-25/C-24/C-25/Northfork and Southfork Storage Reservoirs	\$261,175	\$423,048	\$710,223	\$4,832,774		
<b>Everglades Agricultural Area</b>						
Everglades Agricultural Storage Reservoirs	\$250,112	\$90,536	\$340,648	\$14,458,409		CERP
<b>Big Cypress Region</b>						
Big Cypress/L-38 Interceptor Modifications	\$36,051	\$0,709	\$42,751	\$494,487		
Seminole Tribe Big Cypress Water Conservation Plan- (East & West)	\$60,553	\$5,735	\$75,288	\$775,000		
<b>Water Conservation Areas Region</b>						
Flow to Northwest and Central Water Conservation Area 3A	\$30,877	\$0	\$30,877	\$1,102,827		CERP CERP
WCA-3 Decomartmentalization and Sheetflow Enhancement	\$186,408	\$26,279	\$212,687	\$740,111		
Loxahatchee National Wildlife Refuge Internal Canal Structures	\$7,324	\$345	\$7,669	\$42,048		
Micoosuke Water Management Plan	\$22,741	\$1,718	\$24,459	\$540,000		
<b>Lower East Coast Region</b>						
Pan-Mar and J.W. Corbett Wildlife Management Area Hydroperiod Restoration	\$2,000	\$0,000	\$10,500	\$90,000		
Water Preserve Areas I L-8 Basin	\$263,541	\$21,641	\$415,182	\$2,273,823		
Arnie Basin B Discharge	\$11,800	\$9,500	\$20,300	\$594,000	ACCELER	
Lake Worth Lagoon Restoration	\$2,000	\$399	\$2,399	\$0		
Wetburg Farms Wetland Restoration	\$10,000	\$4,143	\$14,143	\$200,000		
Palm Beach County Wetlands Based Water Reclamation	\$4,800	\$0,800	\$5,600	\$2,500,000		
C-17 Backpumping and Treatment	\$9,824	\$10,367	\$20,191	\$702,498		
C-51 Backpumping and Treatment	\$19,166	\$13,479	\$32,645	\$1,089,662		
C-51 Regional Groundwater Aquifer Storage and Recovery	\$122,391	\$0,943	\$123,334	\$1,486,000		
Palm Beach City Agricultural Reserve Reservoir and ASR	\$66,442	\$57,887	\$124,329	\$1,016,500		
Protect and Enhance Existing Wetland Systems along						
Loxahatchee National Wildlife Refuge including the Shatzkoff Trail	\$5,800	\$48,972	\$52,772	\$90,000		
Site 1 Impoundment and Aquifer Storage and Recovery	\$116,792	\$23,587	\$140,379	\$2,052,808	ACCELER	GEN1
Broward County Secondary Canal System	\$10,978	\$1,500	\$12,478	\$418,517		
Western C-11 Diversion Impoundment and Canal and						
Water Conservation Areas 3A and 3B Levee Seepage Management	\$57,520	\$107,848	\$225,172	\$783,432	ACCELER	CRITICAL RFA
C-6 Stormwater Treatment Area/Impoundment	\$26,207	\$62,839	\$89,046	\$615,743	ACCELER	
North Lake Bell Storage Area	\$381,192	\$194,868	\$576,061	\$1,241,234		
Diverting Water Conservation Area 2 and 3 flows to Central Lake Bell Storage	\$66,336	\$13,321	\$79,657	\$146,635		
Central Lake Bell Storage Area	\$402,502	\$100,359	\$502,861	\$1,954,519		
Dade-Broward Levee/Pennasco Wetlands	\$10,103	\$8,678	\$18,781	\$195,871		
C-4 Control Structures	\$1,834	\$466	\$2,300	\$30,015		CRITICAL RFA
Sid Drive Recharge Area	\$52,459	\$71,825	\$124,284	\$1,470,889		
L-31N Levee Improvements for Seepage Management and S-356 Structures	\$88,514	\$84,704	\$173,218	\$4,647,234		CERP
West Miami-Dade County Rouse	\$435,998	\$3,540	\$439,538	\$36,500,000		
Sevyne Bay Coastal Wetlands	\$93,828	\$205,665	\$299,493	\$823,300	ACCELER	
South Miami-Dade County Rouse	\$299,790	\$3,304	\$303,094	\$47,812,000		
Restoration of Pineland & Hardwood Hammocks in C-111 Basin	\$500	\$0	\$500	\$0		
C-111N Spreader Canal	\$48,288	\$46,766	\$95,054	\$59,086	ACCELER	
<b>Southern Florida Region</b>						
Southern Golden Gates Hydrologic Restoration (Piscayune Strand)	\$15,580	\$0	\$15,580	\$80,000	ACCELER	GEN1 CRITICAL RFA
Southern CREW Project Addition	\$3,434	\$30,104	\$33,538	\$160,000		CRITICAL RFA
Lake Trafford Restoration	\$14,564	\$744	\$15,308	\$0		
Henderson Creek/Della Meade Restoration	\$3,776	\$1,029	\$4,805	\$41,000		
Lake Park Restoration	\$5,000	\$0	\$5,000	\$62,000		
<b>Florida Bay/Coastal</b>						
Florida Keys Total Restoration	\$1,200	\$51	\$1,251	\$0		
<b>System-wide</b>						
Metateuca Eradication Project and other Exotic Plants	\$5,772	\$0	\$5,772	\$0,000		
Additional Feasibility Studies	\$20,300	\$0	\$20,300	\$0,000		
System-wide Operational Changes-Everglades Rain-Driven Operations						CERP
<b>TOTAL</b>	<b>\$5,595,113</b>	<b>\$2,221,436</b>	<b>\$7,816,549</b>	<b>\$7,868,000</b>		

ACCELER: State funded project begun prior to federal funding assistance  
 CRITICAL RFA: USACE project created due to immediate environmental needs  
 GEN1: Active projects that have been authorized and funded  
 CERP: Projects that are still awaiting Congressional authorization  
 CERP: Central Everglades Planning Project



Lake Okeechobee ASR Project-  
200 wells @ 5 MGD- Proposed  
CERP Project

1548 cfs

Current Average Annual  
Discharge Volumes  
Current Maximum Flood  
Discharge Rates

S-308  
7300 cfs

St Lucie Estuary  
20 %

Lake  
Okeechobee  
2.21 M AF per Year

C-10 A  
900 cfs

442 K AF per Year

S-77  
9300 cfs

S-352  
900 cfs

To the Everglades  
13 %

Caloosahatchee Estuary  
44 %

S-351  
1500 cfs

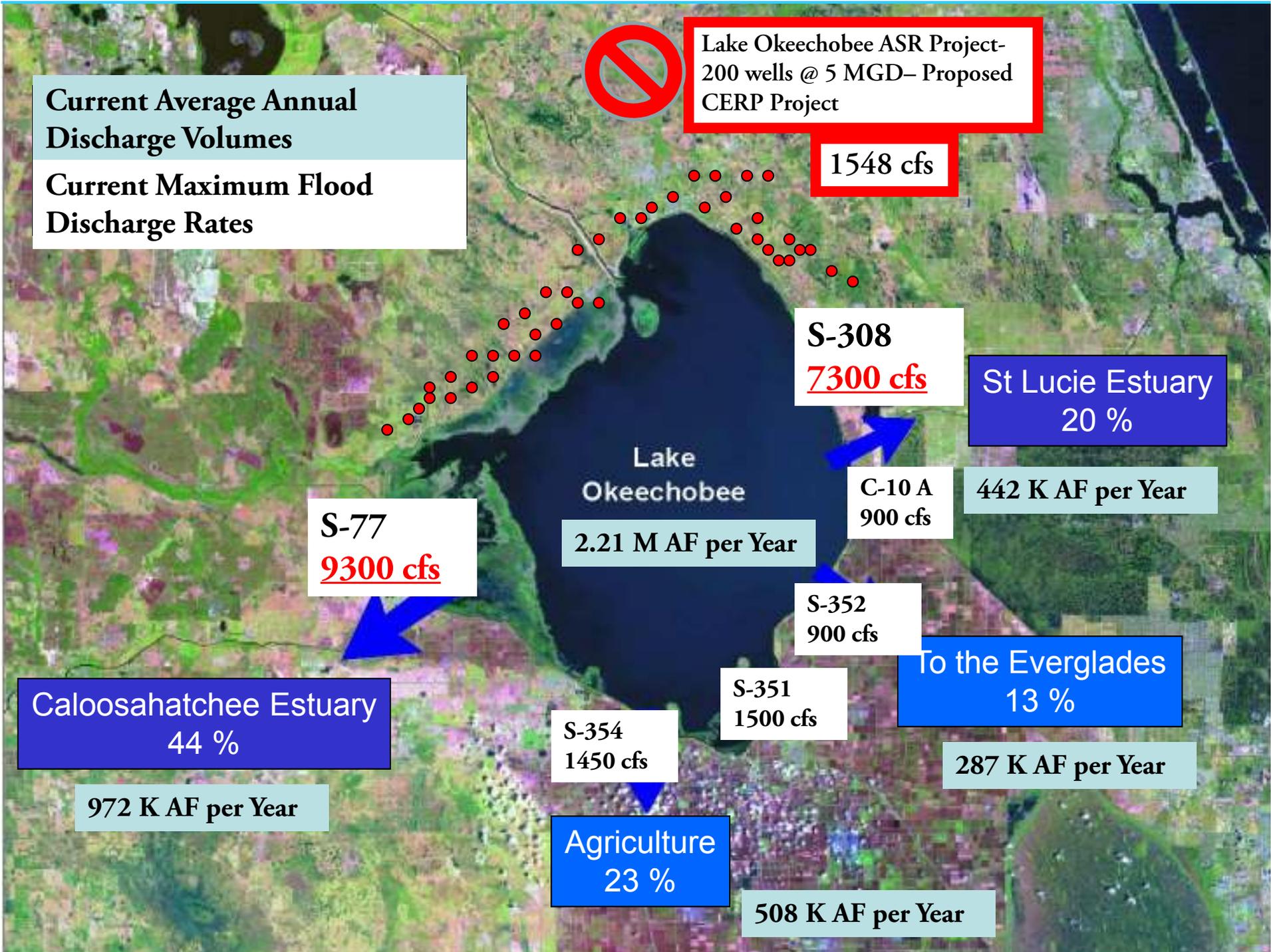
287 K AF per Year

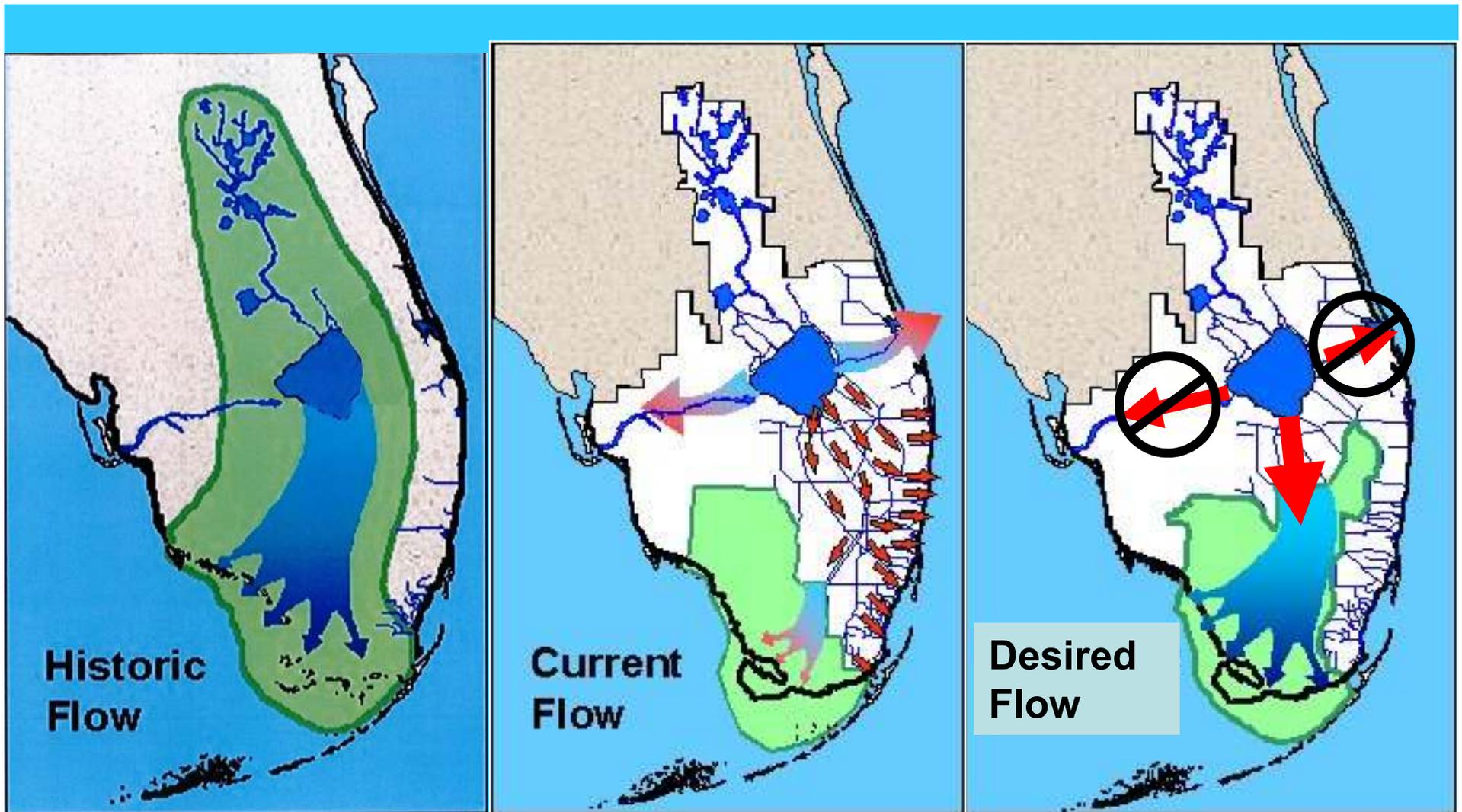
972 K AF per Year

S-354  
1450 cfs

Agriculture  
23 %

508 K AF per Year

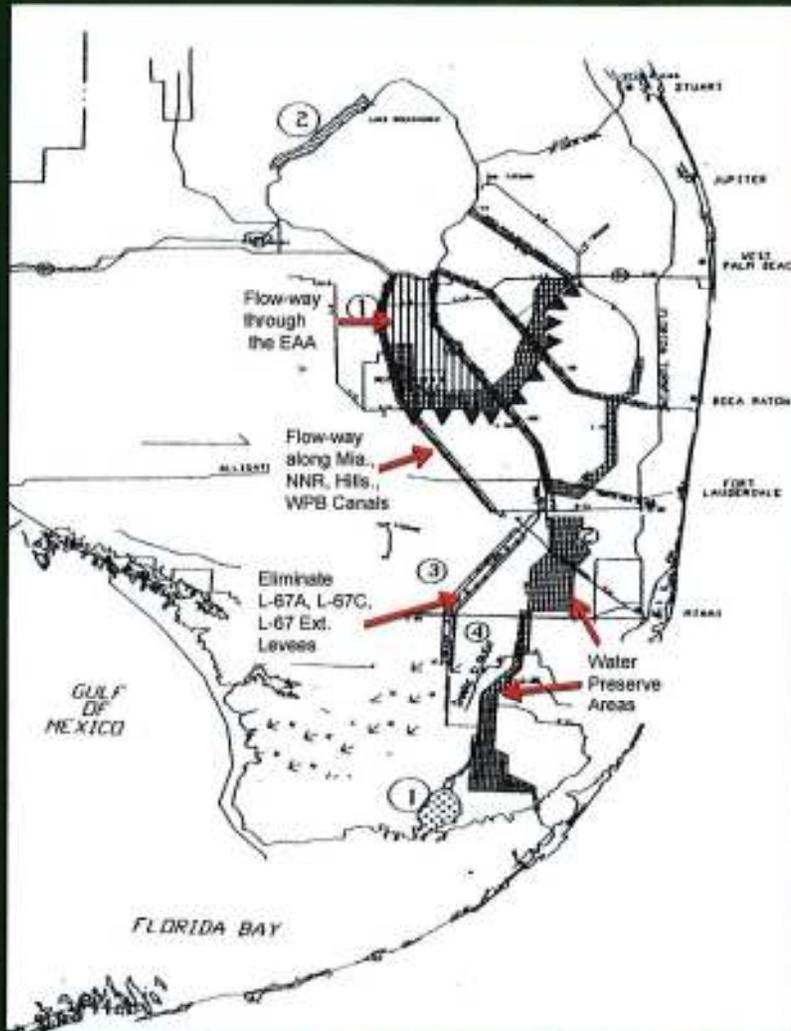




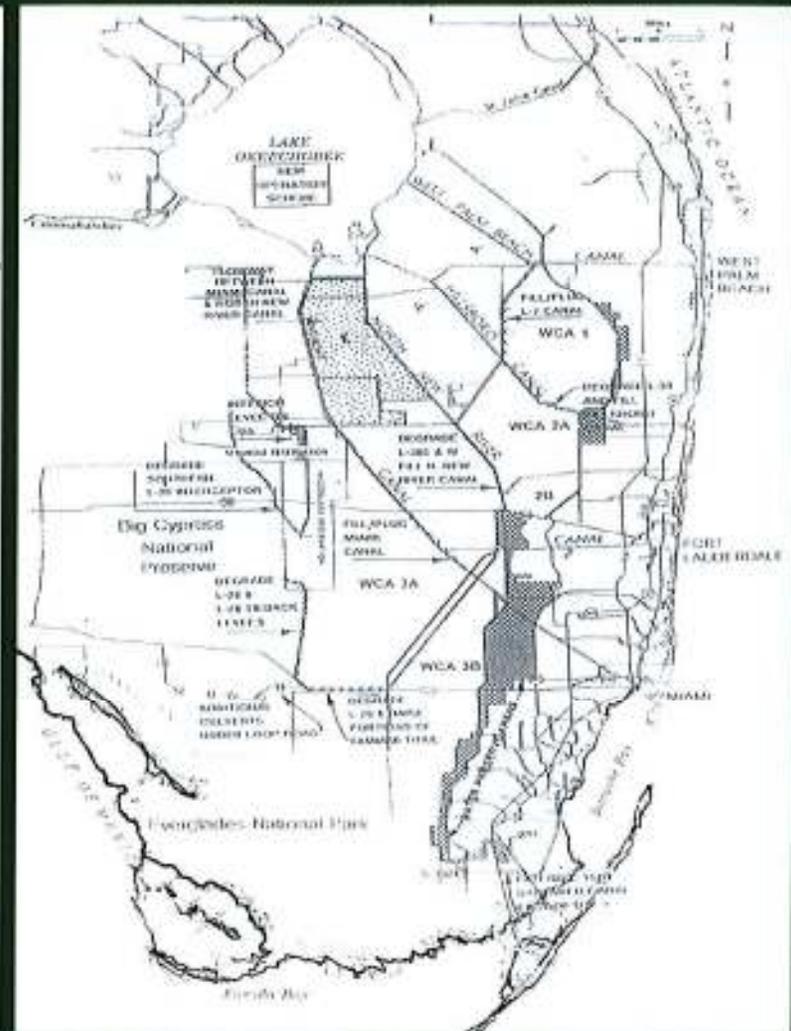
## Historic, Current & Desired Flows

Stop destructive discharges to the Northern Estuaries and Move Water South to Restore the River of Grass- A project needs the capacity for enough annual Storage, Treatment, Conveyance

## Early Conceptual Plans - Everglades Restoration



Science Sub-Group Report, Minimum Plan, 1993.

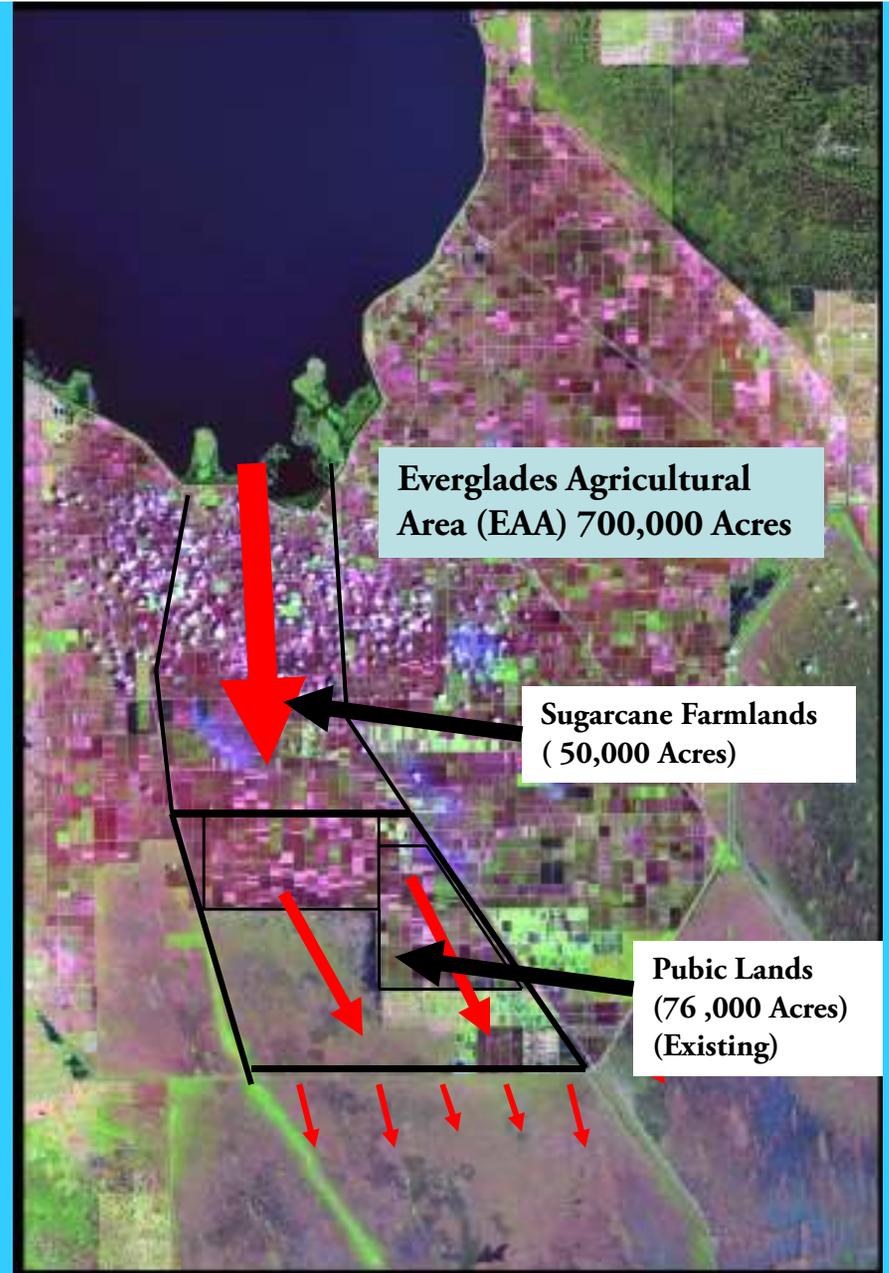


C&SF Restudy Recon. Report, Plan 6, 1994.

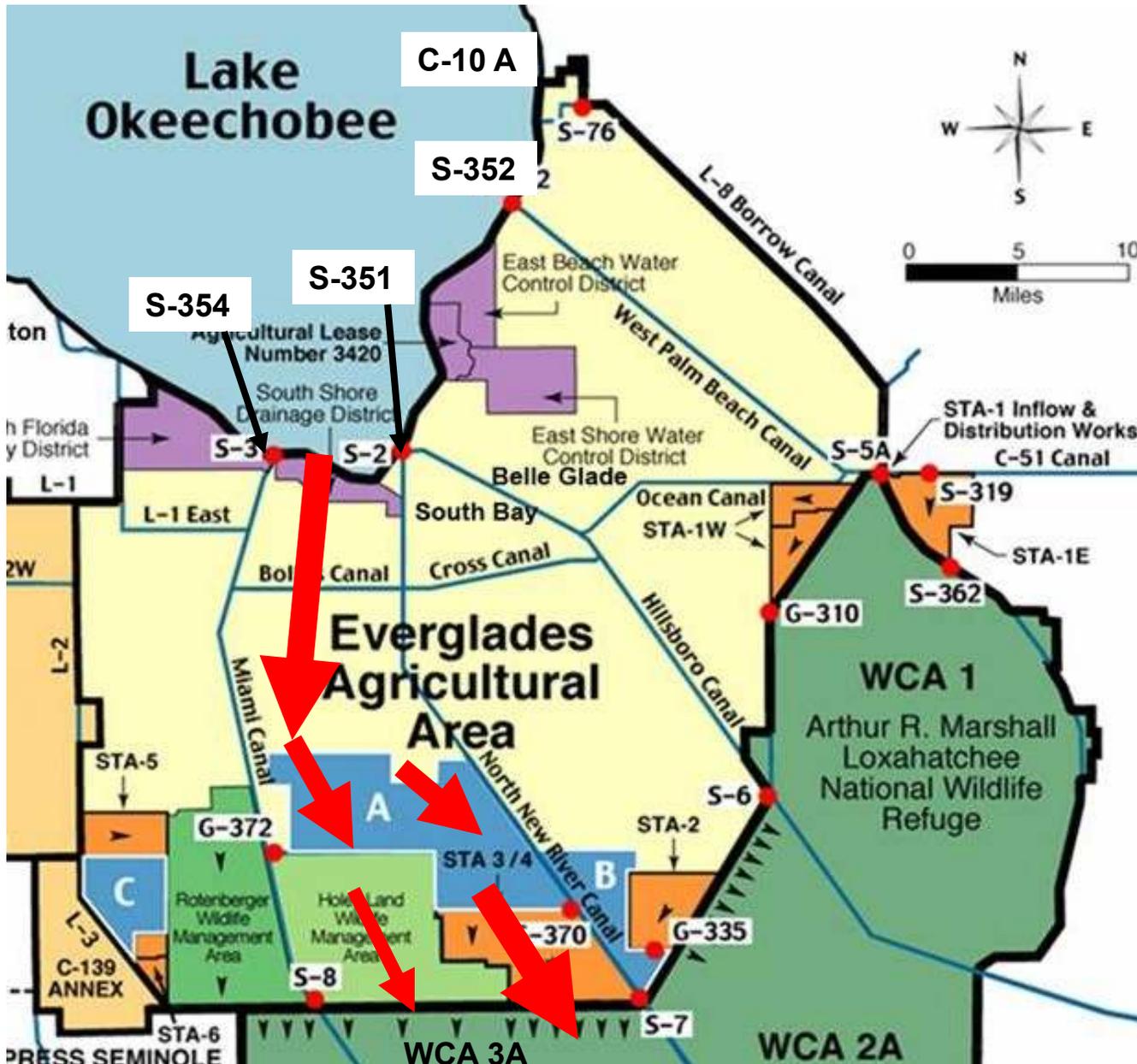


Florida  
Oceanographic  
Society

**Plan 6 – 1993, 1994 - Reconnect Lake Okeechobee to the Everglades- River of Grass- Move Water South**



**Stop destructive discharges to the Northern Estuaries and Restore the River of Grass  
Move Water South- Storage, Treatment, Conveyance**



1. Becomes THE primary outflow for water from Lake Okeechobee
2. Stops destructive discharge releases from Lake Okeechobee to the Northern Estuaries
3. Replaces the Lake Okeechobee ASR Project of CERP with a project of greater flow & capacity
4. Restores water flows south from the Lake to the Everglades
5. Provides for healthy water levels in Lake Okeechobee
6. Maintains Water Quantity, Quality, Timing and Distribution for Everglades Restoration

**Stop destructive discharges to the Northern Estuaries and Restore the River of Grass  
Move Water South- Storage, Treatment, Conveyance**

## The Florida Water and Land Conservation Amendment

Water and Land Conservation - Dedicates funds to acquire and restore Florida conservation and recreation lands

### SUMMARY:

Funds the Land Acquisition Trust Fund to acquire, restore, improve, and manage conservation lands including wetlands and forests; fish and wildlife habitat; lands protecting water resources and drinking water sources, including the Everglades, and the water quality of rivers, lakes, and streams; beaches and shores; outdoor recreational lands; working farms and ranches; and historic or geologic sites, by dedicating 33 percent of net revenues from the existing excise tax on documents for 20 years.

### FULL TEXT:

BE IT ENACTED BY THE PEOPLE OF FLORIDA THAT:

Article X, Section 28, Florida Constitution, is created to read:

SECTION 28. Land Acquisition Trust Fund.--

a) Effective on July 1 of the year following passage of this amendment by the voters, and for a period of 20 years after that effective date, the Land Acquisition Trust Fund shall receive no less than 33 percent of net revenues derived from the existing excise tax on documents, as defined in the statutes in effect on January 1, 2012, as amended from time to time, or any successor or replacement tax, after the Department of Revenue first deducts a service charge to pay the costs of the collection and enforcement of the excise tax on documents.

b) Funds in the Land Acquisition Trust Fund shall be expended only for the following purposes:

1. As provided by law, to finance or refinance: the acquisition and improvement of land, water areas, and related property interests, including conservation easements, and resources for conservation lands including wetlands, forests, and fish and wildlife habitat; wildlife management areas; lands that protect water resources and drinking water sources, including lands protecting the water quality and quantity of rivers, lakes, streams, springsheds, and lands providing recharge for groundwater and aquifer systems; lands in the Everglades Agricultural Area and the Everglades Protection Area, as defined in Article II, Section 7(b); beaches and shores; outdoor recreation lands, including recreational trails, parks, and urban open space; rural landscapes; working farms and ranches; historic or geologic sites; together with management, restoration of natural systems, and the enhancement of public access or recreational enjoyment of conservation lands.
2. To pay the debt service on bonds issued pursuant to Article VII, Section 11(e).

c) The moneys deposited into the Land Acquisition Trust Fund, as defined by the statutes in effect on January 1, 2012, shall not be or become commingled with the General Revenue Fund of the state.

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Conservation Efforts

**Take Action!**  
Help protect our environment.

Learn more about Amendment 1 - The Campaign to Protect Florida's Most Cherished Waters and Natural Areas. [Click here.](#)

Proposed Development in the EAA - Stop US Sugar's sprawling city in the Everglades. [Learn more](#)

Our Florida Reefs is a community planning process for southeast Florida's coral reefs. Hosted by the Southeast Florida Coral Reef Initiative (SEFCRI), this planning process brings together the community of local residents, scientists, business owners, visitors, and the

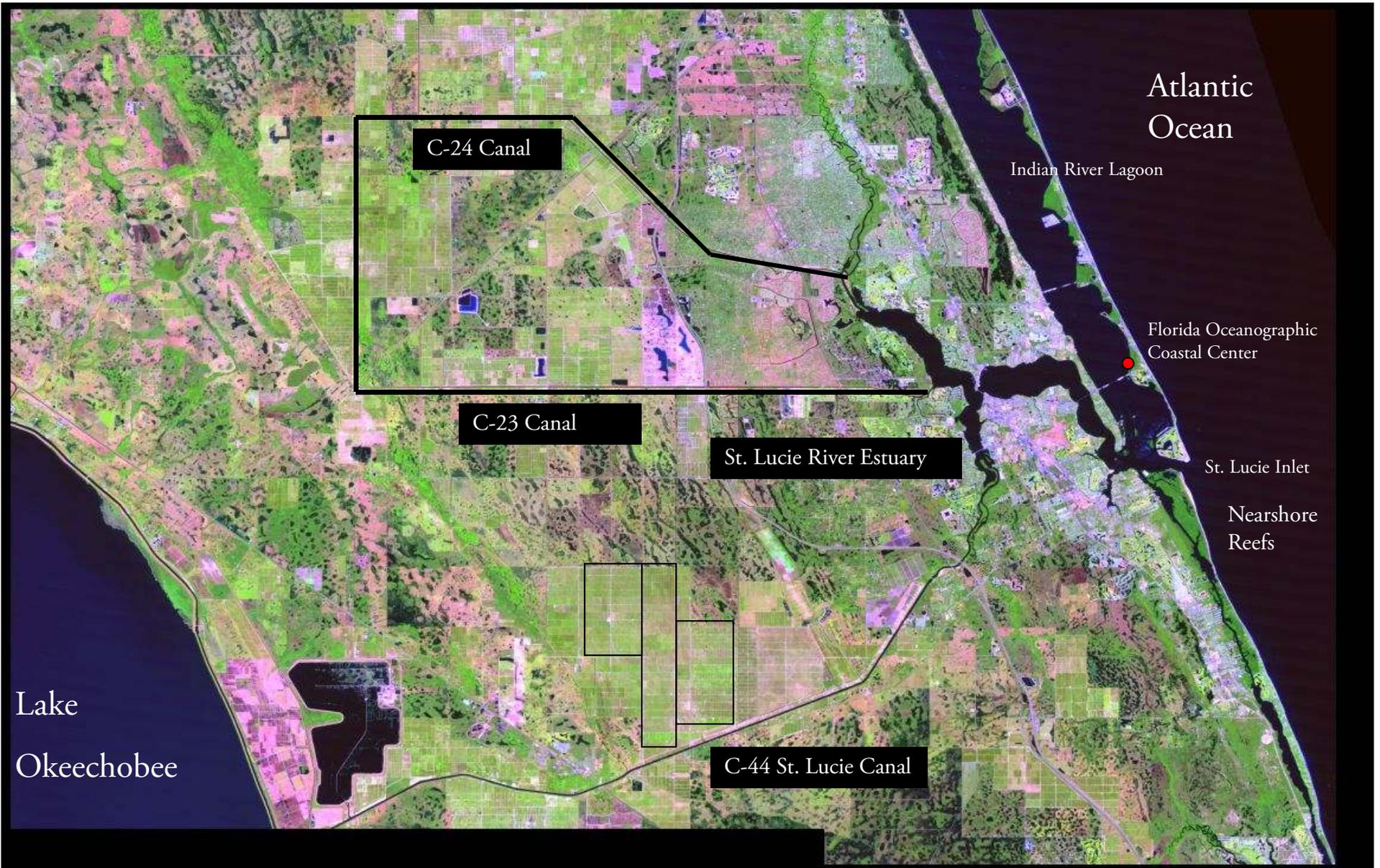
ANNOUNCEMENTS

**Celebrate National Estuaries Month: Ais on the Lagoon Community Paddle, Sept. 28**  
Florida Oceanographic Society will celebrate National Estuaries Month by hosting the Ais on the Lagoon Community Paddle, at 8 a.m. on Sunday, Sept. 28. Estuary enthusiasts are invited to paddle across the Indian River Lagoon to this free educational event at the Florida Oceanographic Coastal Center.

**Coastal Center closed Sept. 22-24**  
The Florida Oceanographic Coastal Center, located at 890 N.E. Ocean Blvd. in Stuart on Hutchinson Island, will be closed Monday, Sept. 22 through Wednesday, Sept. 24 for annual maintenance.

**Four local treasures partner to offer discount for visitors**  
Four local organizations are teaming up this summer to offer

- 1 - Learn More about Amendment 1- Vote November 4<sup>th</sup> – Election Day**
- 2 - Comments on SugarHill Sector Plan due by October 3<sup>rd</sup> – Send Letter to Governor Scott, copy to Florida Department of Economic Opportunity**
- 3 - Support US Sugar Land Purchase & New River of Grass Project to Stop Lake Discharges to Estuaries and Move Water South to the Everglades.**



Lake  
Okeechobee

Atlantic  
Ocean

Indian River Lagoon

Florida Oceanographic  
Coastal Center

St. Lucie Inlet

Nearshore  
Reefs

C-24 Canal

C-23 Canal

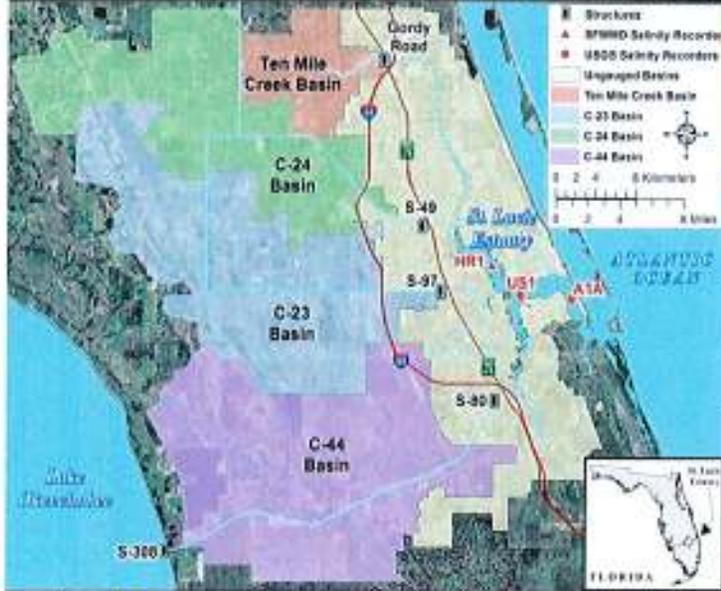
St. Lucie River Estuary

C-44 St. Lucie Canal

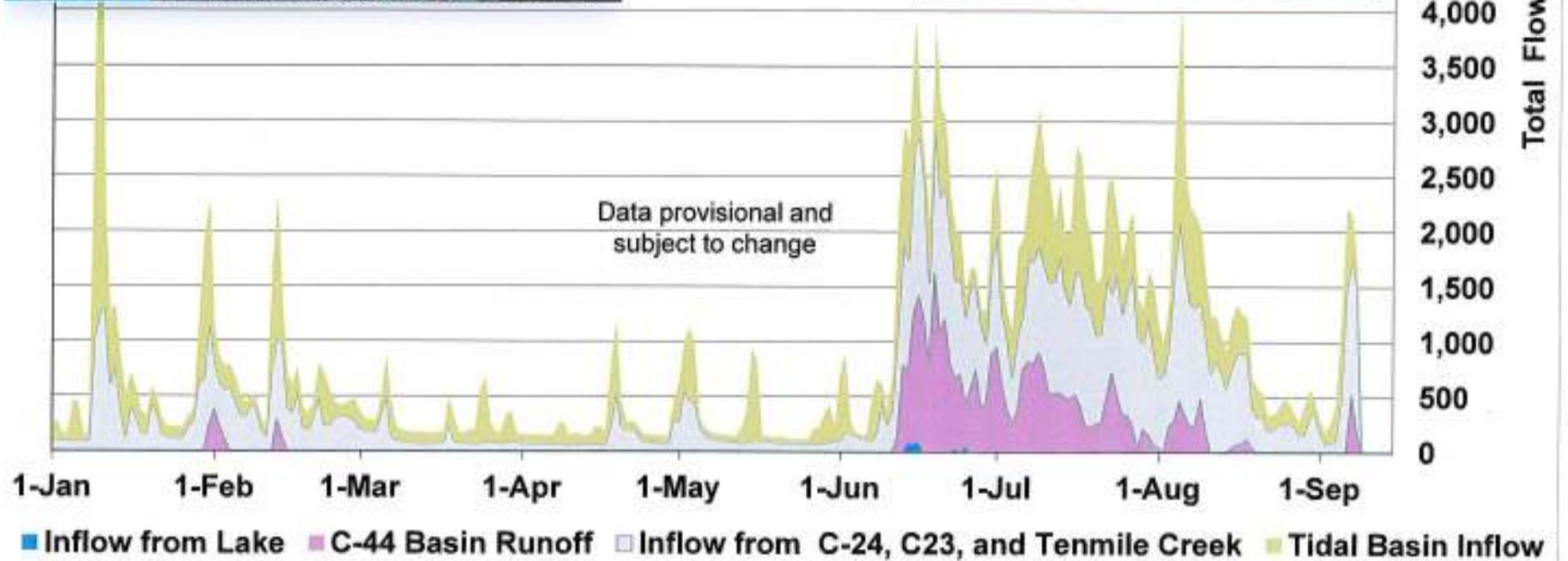


**St. Lucie River Estuary and Indian River Lagoon  
Update – September 24, 2014**

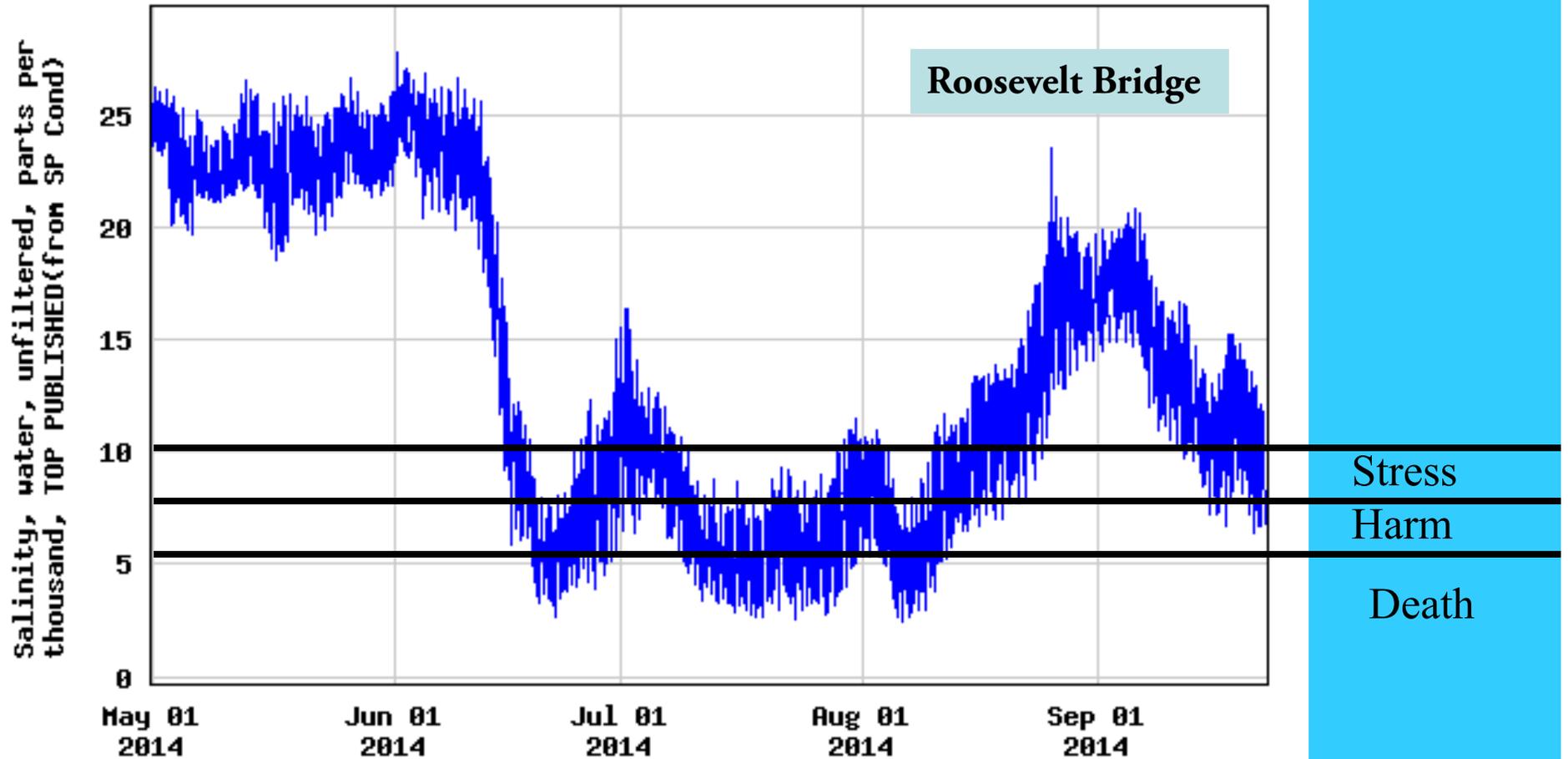
# St. Lucie Estuary



Weekly Average Inflow Sept. 2, 2014 - Sept. 8, 2014	
Inflow from Lake	0 cfs
C-44 Basin Inflow	100 cfs
Tenmile Creek	193 cfs
C-23	188 cfs
C-24	303 cfs
<b>Tidal Basin Inflow</b>	<b>376 cfs</b>
<b>Total</b>	<b>1160 cfs</b>



USGS 02277100 ST LUCIE RIVER AT SPEEDY POINT, STUART FL



---- Provisional Data Subject to Revision ----

## Salinity Tolerance for Oysters



Death

7 Days For Spat & Juveniles

14 – 28 Days For Adults

# St. Lucie River Estuary Water Quality Outlook

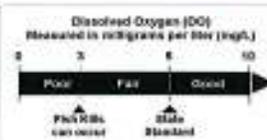
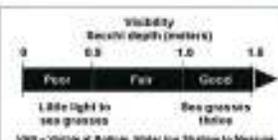
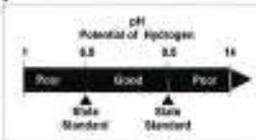
This information is provided by the Florida Oceanographic Society with support of the Marine Resources Council. It is collected by the Citizen Volunteer Water Quality Monitoring Network. For complete data go to our website at: <http://www.floridaocean.org>  
For sample results related to bacteria levels go to: [www.martincountyhealth.com](http://www.martincountyhealth.com) and click on the Environmental Health link.

Posted:

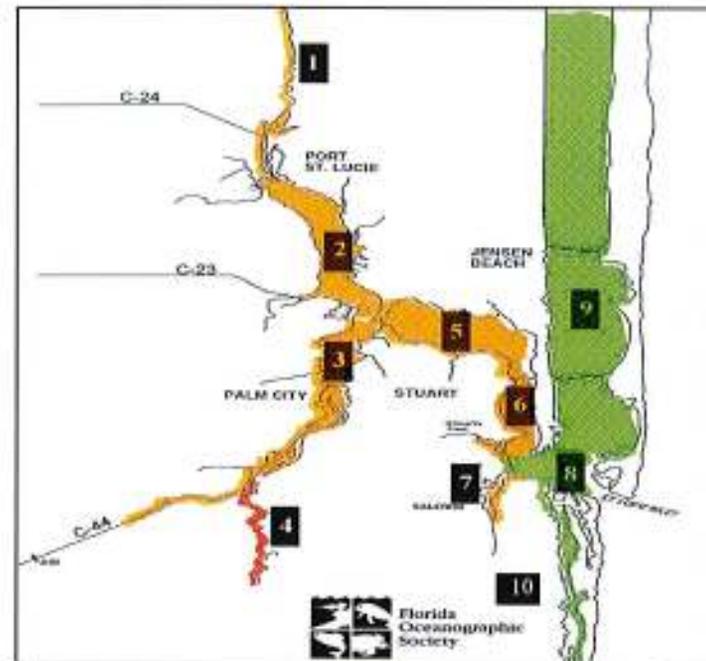
09/18/14

Overall Grade:	<b>72.3%</b>	<b>C-</b>	<b>SATISFACTORY</b>
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Zone/ Location	Water Temp. Deg. F	pH	Visibility (Secchi) Meters	Salinity ppt	Dissolved Oxygen mg/L	Location Score	Grade
1. Winding North Fork	82	7.6	0.60	0.0	4.6	61%	D
2. North Fork	83	7.7	0.83	4.8	4.5	61%	D
3. South Fork	84	7.6	0.68	5.3	4.0	61%	D
4. Winding South Fork	79	7.3	0.70	0.0	3.0	56%	F
5. Wide Middle River	84	8.2	0.98	14.0	6.1	66%	D
6. Narrow Middle River	83	8.1	0.90	17.5	5.7	66%	D
7. Manatee Pocket	90	7.7	0.85	18.5	4.8	61%	D
8. Inlet Area	85	8.2	1.35	33.5	5.3	97%	A
9. Indian River Lagoon	83	8.4	VAB	33.0	5.1	97%	A
10. Intracoastal Waterway South	89	7.9	1.30	31.7	5.3	97%	A



Comment: The data above may indicate areas of concern in the St. Lucie Estuary. Citizens should call the Florida Department of Environmental Protection (DEP) at 877-7662 or the South Florida Water Management District (SFWMD) 223-2500 to ask about the quality of a specific area and report observations of pollution.



Grading				
A	B	C	D	F
90-100	80-89	70-79	60-69	0-59
IDEAL	GOOD	SATISFACTORY	POOR	DESTRUCTIVE

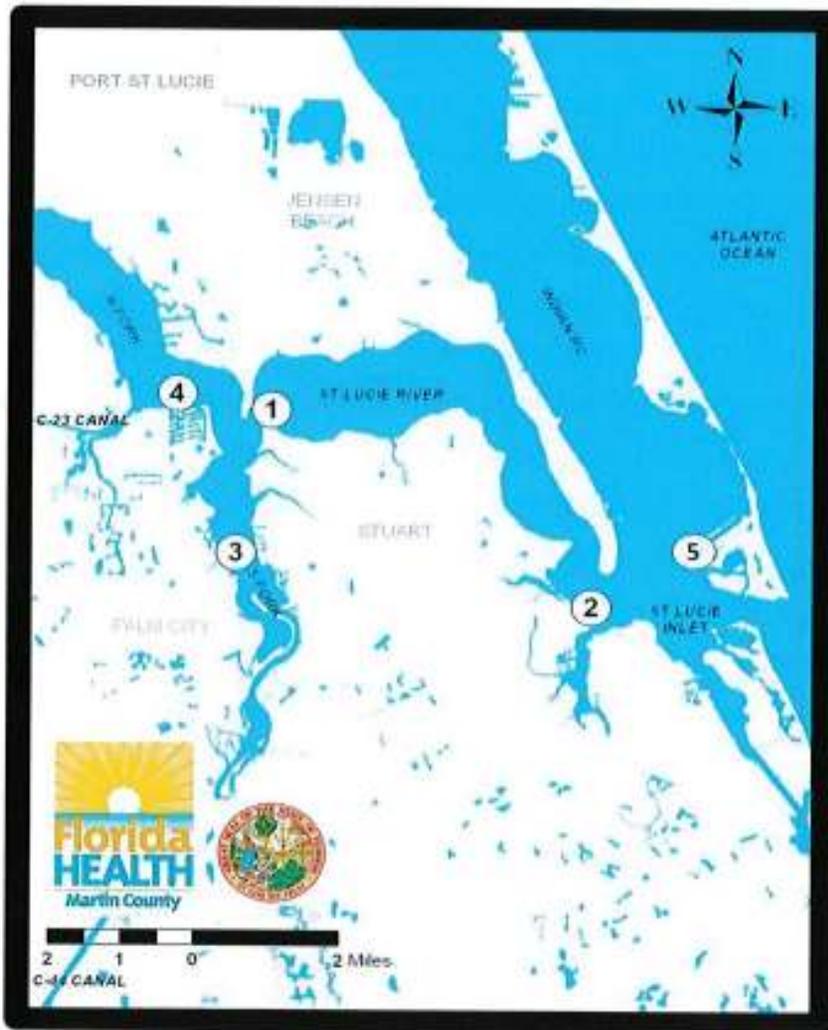
Salinity (Parts per Thousand)				
Zones	Description	Good	Fair	Poor
1 & 4	Winding North & South Forks	2 to 8	1 to 2 or 8 to 15	< 1 or > 15
2 & 3	Inner St. Lucie Estuary (North & South Fork)	15 to 25	10 to 15 or > 25	< 10
5	Wide Middle St. Lucie River	> 20	15 to 20	< 15
6	Narrow Middle St. Lucie River	> 25	20 to 25	< 20
7	Manatee Pocket	> 27.5	20 to 27.5	< 20
8, 9 & 10	Inlet, Indian River Lagoon, & Intracoastal Waterway South	>30	25 to 30	< 25



Health Warnings posted in the St. Lucie River Estuary – 2004, 2005, 2006, 2010, 2012 and 2013

# St Lucie River Water Sampling Report

## Florida Department of Health - Martin County



9/18/2014 Update: Samples were collected on Monday, September 15, 2014 and on Wednesday, September 17, 2014. Sample results were in the acceptable range. The advisory to avoid contact with the water in the area of Leighton Park Bridge is still in effect. The advisory will remain in effect until results are consistently in the acceptable range. Samples will be collected again on Monday, September 22, 2014.

Date	Roosevelt Bridge (1)	Sandspit Park (2)	Leighton Park (3)	E of Bessey Creek (4)	Stuart Sandbar (5)
9/17/2014	98	Not Sampled	Not sampled	Not sampled	Not sampled
9/15/2014	107	41	99	Not sampled	11
9/10/2014	Not sampled	Not Sampled	119	Not sampled	Not sampled
9/8/2014	56	29	116	Not sampled	22
9/2/2014	60	19	66	Not sampled	6
8/27/2014	Not sampled	Not Sampled	Not sampled	Not sampled	38
8/25/2014	28	31	82	Not sampled	298
8/18/2014	30	7	75	Not sampled	6
8/11/2014	40	4	60	Not sampled	29
8/4/2014	90	9	80	Not sampled	14
7/28/2014	20	9	60	Not sampled	31
7/21/2014	270	27	390	Not sampled	4
7/14/2014	220	42	490	Not sampled	7
7/7/2014	300	50	290	Not sampled	15
6/30/2014	210	26	410	Not sampled	9
6/23/2014	122	14	730	Not sampled	7
6/16/2014	516	3	550	Not sampled	3
6/9/2014	16	0	37	Not sampled	0
6/2/2014	6	4	22	Not sampled	8
5/27/2014	82	35	266	Not sampled	21
5/19/2014	216	35	256	Not sampled	11
5/13/2014	52	8	34	Not sampled	5
5/5/2014	112	61	124	Not sampled	5
4/28/2014	52	2	76	Not sampled	2
4/21/2014	58	7	94	Not sampled	30
4/14/2014	88	9	116	Not sampled	12
4/7/2014	46	12	32	Not sampled	1
3/31/2014	86	11	180	Not sampled	17
3/26/2014	Not sampled	Not Sampled	240	Not sampled	Not sampled
3/24/2014	103	21	214	Not sampled	6
3/17/2014	2	2	12	Not sampled	0
3/10/2014	31	1	20	Not sampled	5
3/3/2014	4	0	44	Not sampled	2
2/24/2014	15	5	50	Not sampled	2
2/17/2014	25	1	34	Not sampled	3
2/10/2014	15	10	28	Not sampled	11
2/3/2014	39	11	70	Not sampled	0
1/27/2014	20	5	62	Not sampled	3
1/21/2014	45	9	61	Not sampled	0
1/13/2014	58	28	75	Not sampled	39
1/6/2014	47	17	56	Not sampled	5
12/30/2013	16	15	8	Not sampled	20
12/23/2013	19	7	21	Not sampled	0
12/17/2013	14	2	10	Not sampled	32
12/9/2013	18	4	44	Not sampled	6
12/4/2013	Not sampled	Not Sampled	Not sampled	Not sampled	10
12/2/2013	40	26	190	Not sampled	210

**ST. LUCIE WATERSHED ASSESSMENT**

**VOLUME B: BASIN PRIORITIES**

Prepared for:

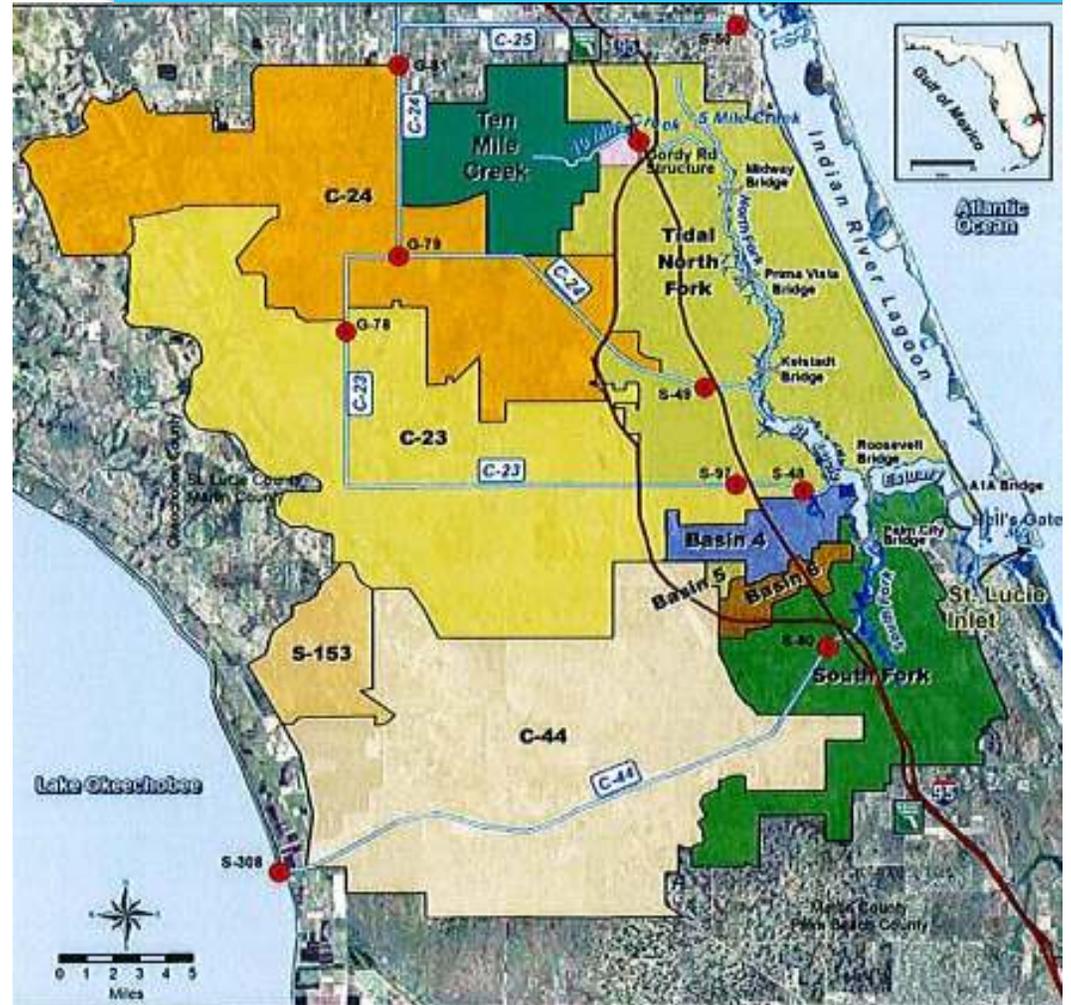
South Florida Water Management District  
P.O. Box 24680  
3301 Gun Club Road  
West Palm Beach, Florida 33416-4680

Prepared by:

Anthony Janicki, David Wade, J. Raymond Pribble, Pam Latham  
PBS&J  
5300 West Cypress Street  
Suite 300  
Tampa, Florida 33607-1712

**FINAL REPORT**

**February, 1999**



**St. Lucie River Watershed**

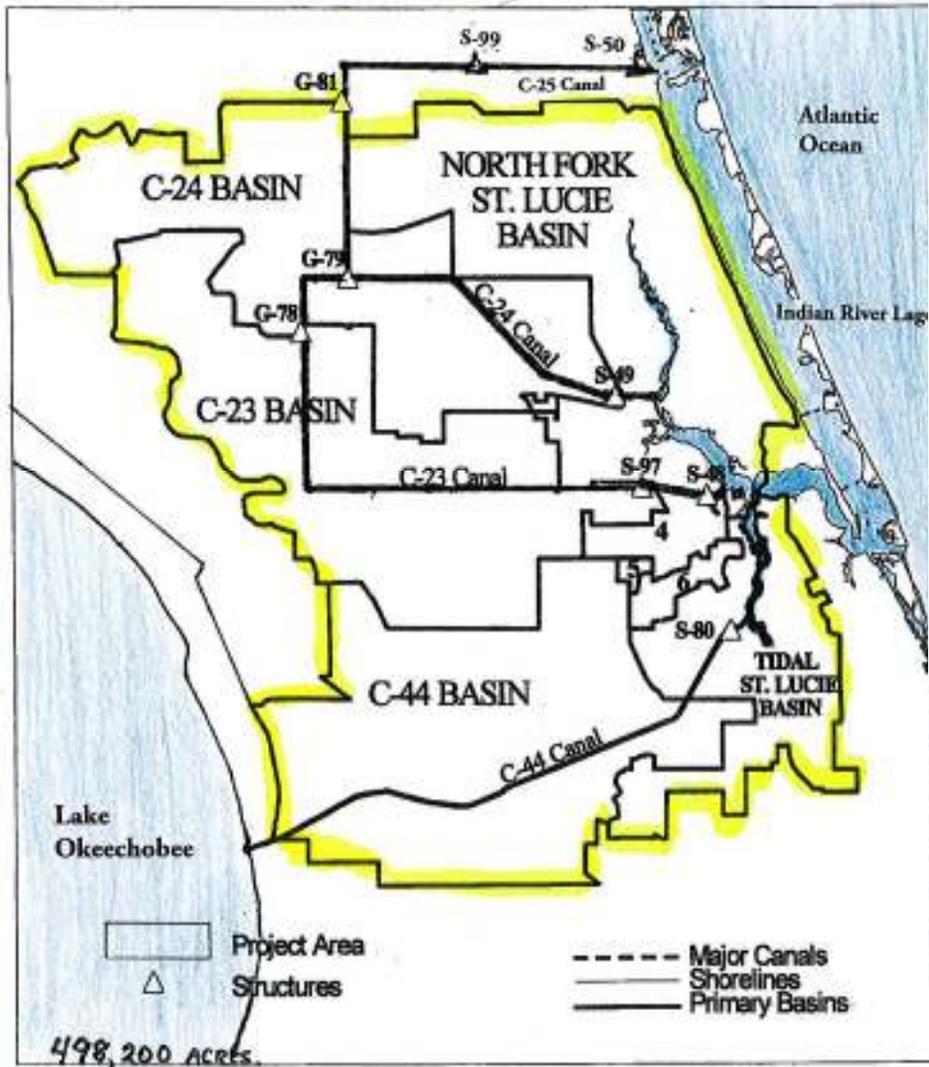
**514,646 Acres**

**Watershed Assessment - February 1999**



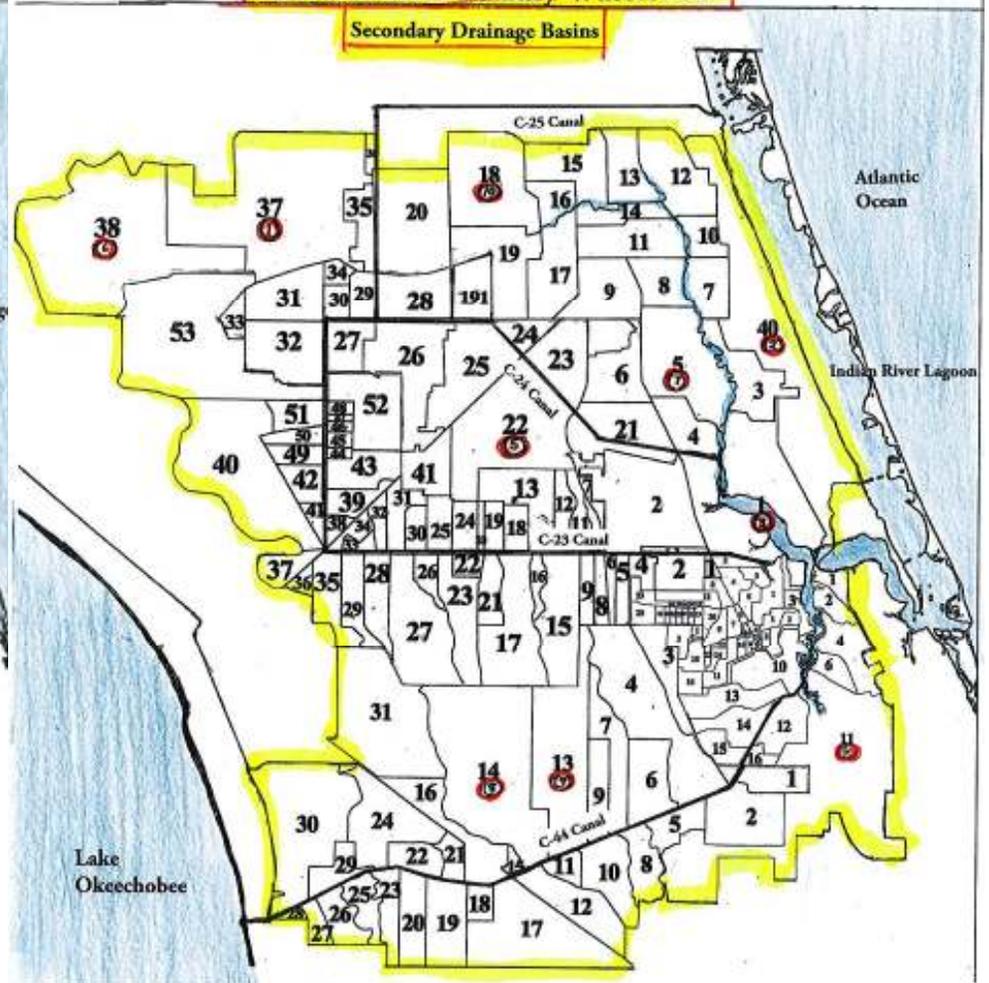
# St. Lucie River Estuary Watershed

## Primary Drainage Basins



# St. Lucie River Estuary Watershed

## Secondary Drainage Basins



8 Basins – 186 Secondary Basins

# St. Lucie River Estuary Watershed



Florida  
Oceanographic  
Society

# What Does Our Future Look Like?

