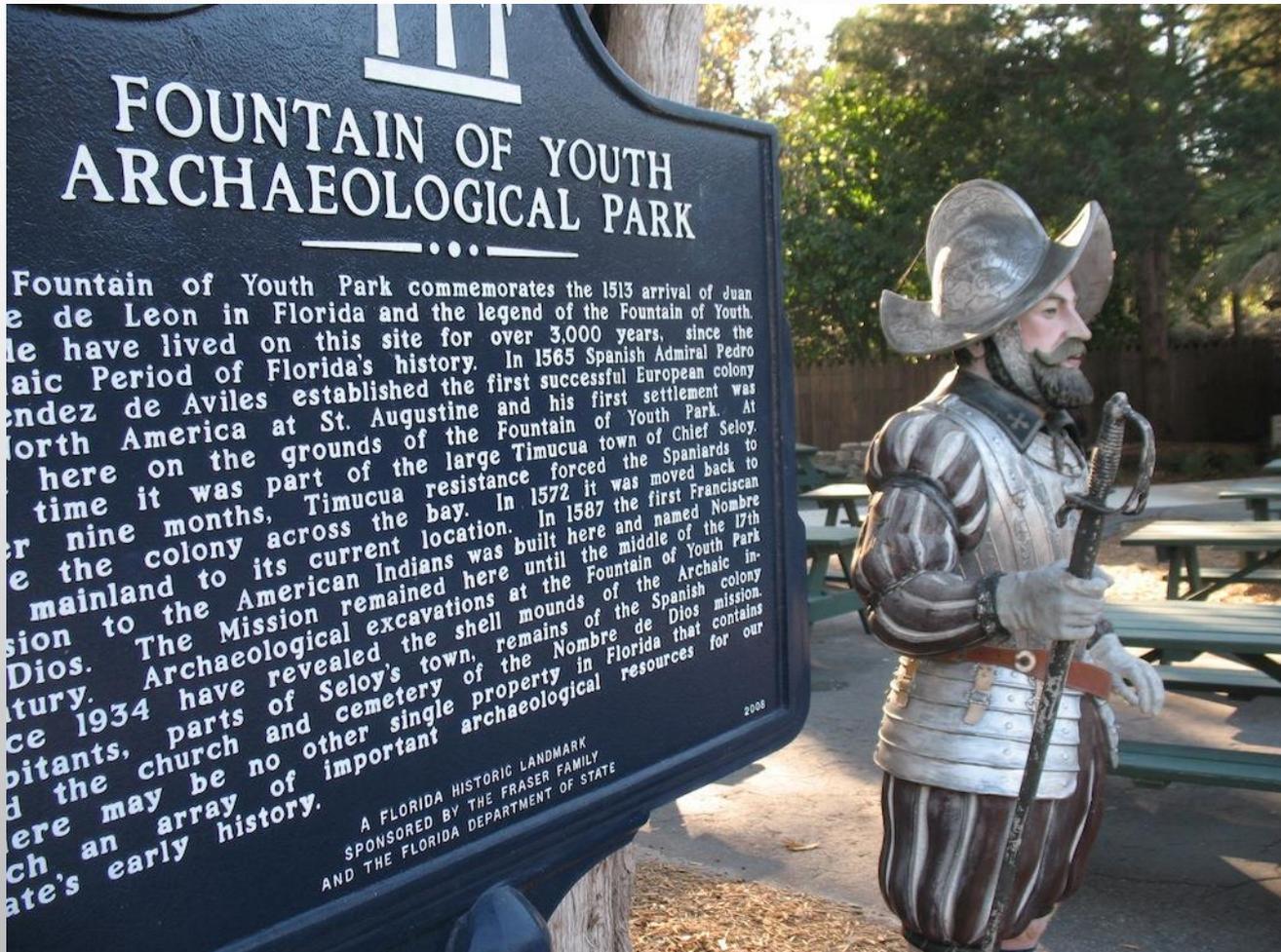


The background of the slide is a light gray gradient with several realistic water droplets of various sizes scattered across it. The droplets have highlights and shadows, giving them a three-dimensional appearance. The main title is centered in a large, bold, black sans-serif font.

# A BRIEF HISTORY OF FLORIDA WATER MANAGEMENT

“PONCE TO CERP”

**1800 – 2000**



A little bit  
earlier...  
Ponce de  
Leon

○ **1803** - Louisiana Purchase

**1821** – Spanish Deeds Florida to U.S. (\$5M)

**1845** - Statehood

**1851** – Florida Secures Everglades Agricultural Area (EAA)

**1855** – FL Legislation Creates TIIF



1877

# INTERNAL IMPROVEMENT FUND BANKRUPT

## Bankrupt? Broke?

## WHAT??? HOW??? HUH???

# STATE TIED UP IN DEBT & LEGAL BATTLES

- ✓ Marketing Problems
- ✓ Civil War Period
- ✓ Payment in Confederate Dollars
- ✓ Reality/Perception
- ✓ Poor Transportation



DESPERATE FOR TRANSPORTATION!!!

# How Did the State-TIIF Spell Relief?

## R-A-I-L-R-O-A-D-S



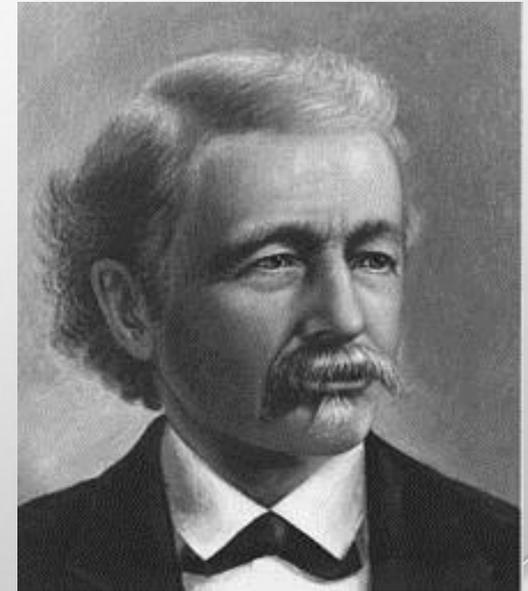


# THE BIG 3 - RAILROAD BARONS

William D. Chipley



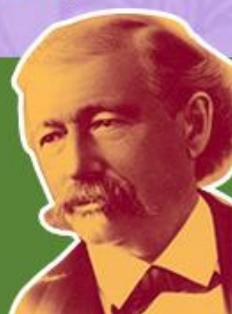
Henry B. Plant



Henry F. Flagler



"You've heard the legends; the truth is better"  
-Henry

A portrait of Henry Flagler, a man with a mustache, wearing a suit and tie. The portrait is set against a green background.

# Big Problem Still Loomed



# Deal #1 – January 1881

# Deal #2 – June 14, 1881

DISSTON PURCHASE, 4,000,000 ACRES.

— — — — —

## KISSIMMEE

LAND COMPANY.

— — — — —

200,000 ACRES BEST LAND IN FLORIDA.

— — — — —

KISSIMMEE CITY

TOWN LOTS FOR SALE.

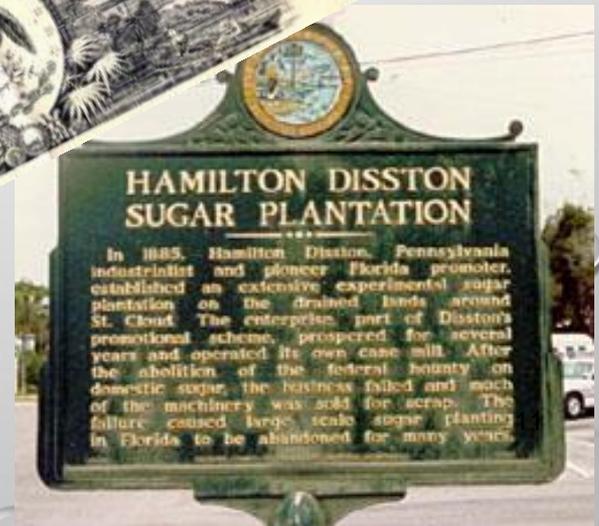
— — — — —

ADDRESS—

W. T. FORBES, Manager,  
Jacksonville, Fla.,

— — — — —

WM. CANNON, Agent, Kissimmee, Fla.



## 1881 – 1899

- ✓ Florida's First Large Scale Land Boom
- ✓ Numerous Cities Developed
- ✓ Railroad Miles Quadrupled
- ✓ Taxable Property Doubled
- ✓ Tourism Exploded
- ✓ Florida's Agricultural Reputation

# Disston – Sugar Industry

Had Problems with...

- ✓ Effective Drainage
- ✓ Haphazard Project Planning
- ✓ His Visions/Ego
- ✓ Overpayment by State
- ✓ Debt

# Politics of Note

**1881-1899**

Governor Bloxham (**1881-1885**) &  
(**1897-1901**)

Governor Perry (**1885-1889**)

Governor Fleming (**1889-1893**)

Governor Mitchell (**1893-1897**)

**1901-1905** – Drainage by Counties Act  
Land Reclamation

**1903** – Everglades Title

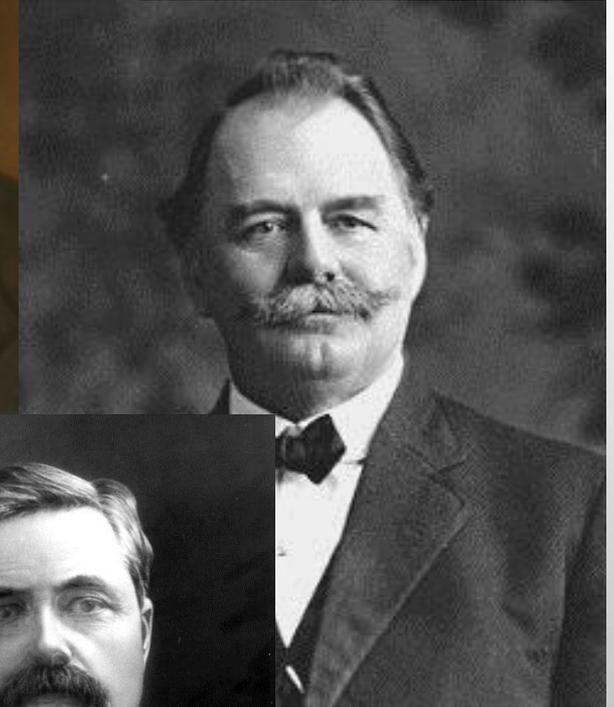
State believed – Obligation for the  
Lands was to Drain Wetlands for  
Cultivation & Settlement

# BIG "3" - of Government

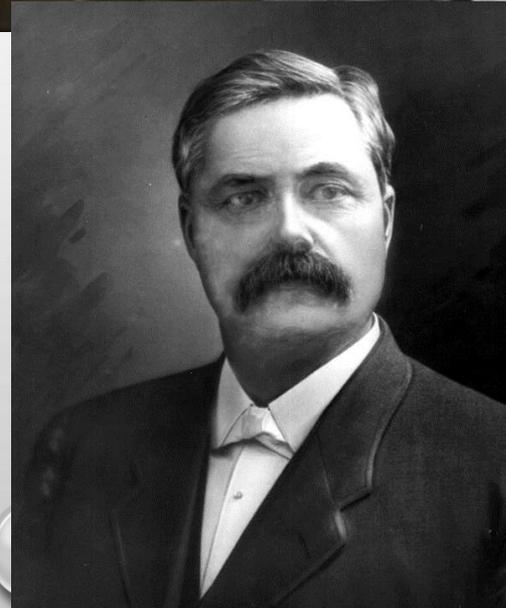
William D. Bloxham



William Sherman  
Jennings - Governor



Napoleon B. Broward  
- Governor



# BROWARD ERA

- ✓ Brought Government & Public Agencies into Water & Land Mgt.
- ✓ Believed Railroad Industry too Dominant
- ✓ Created Board of Drainage Commissioners to Oversee State-wide Land Development & Water Management (1905)

**May 1907**

**EVERGLADES DRAINAGE DISTRICT**

- ✓ Responsible only for the Everglades
- ✓ Levy Tax – 5 cents/acre/year
- ✓ Authorized to Issue Bonds

**4,300,000 Acres**

**60 miles wide X 150 miles long**

**Swamp + Prairie + Timberland**

# Other Broward Impacts

- ✓ Primary Election Law
- ✓ Insanity Grounds for Divorce
- ✓ Federal \$\$\$ from Teddy Roosevelt
- ✓ Lays Groundwork for Drainage Districts
- ✓ Vision of State-Wide Water & Land Mgt.
- ✓ Florida Everglades Engineering Commission

# Broward & Richard Bolles

**DRAIN EVERGLADES  
SAY LEGISLATORS**

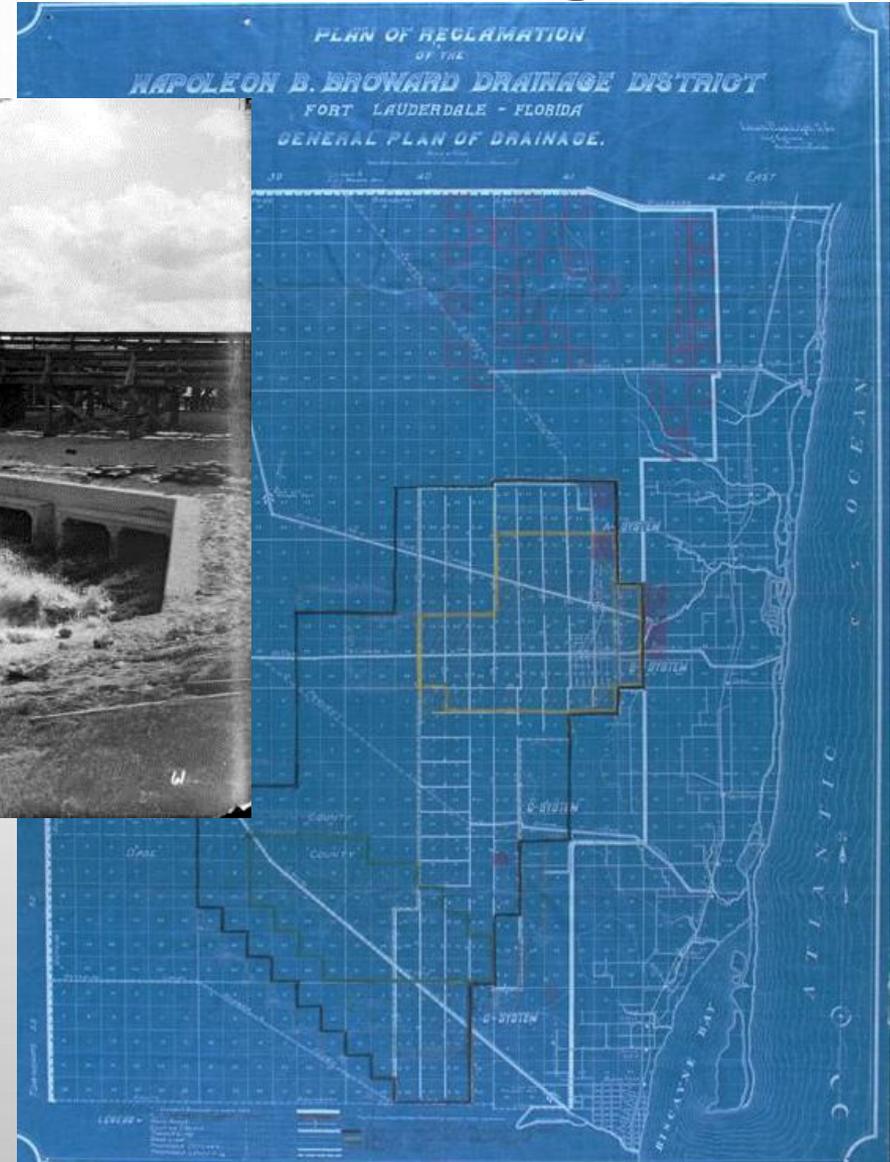
**All Agree Great Area Must  
Be Reclaimed 1917**



**THEY CAME TO BOOST, BUT WENT AWAY  
TO KNOCK WHEN THEY FOUND THE  
GLADES NOT DRAINED AS PROMISED**



# Broward & James O. Wright

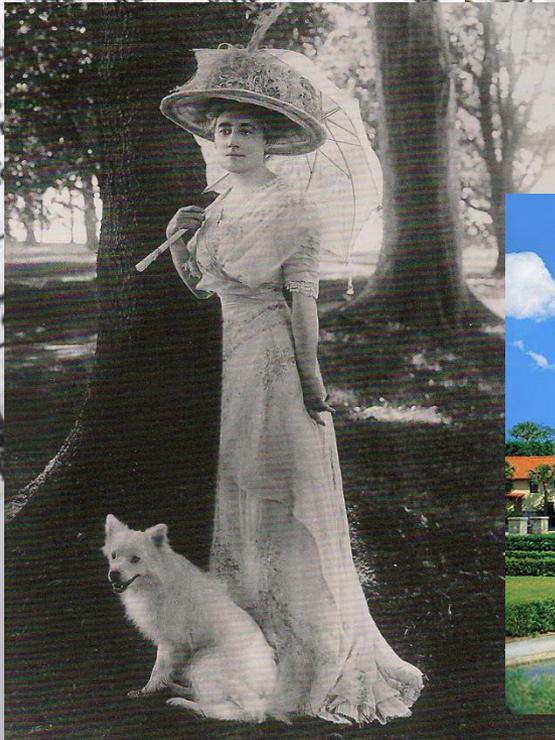


# Broward & William Jennings



# Broward & Henry Flagler

THE  
**DOCTRINE**  
AND DISCIPLINE  
OF  
**DIVORCE:**  
RESTORED TO THE GOOD  
OF BOTH SEXES,  
From the bondage of Canon Law,  
and other *Wakes*, to Christian freedom,  
Rule of Charity.  
Wherein  
Seaf  
For



# EVERGLADES DRAINAGE DISTRICT

## 1928 – Constructed Major Canals

- ✓ West Palm Beach
- ✓ Hillsboro
- ✓ North New River
- ✓ Miami
- ✓ St. Lucie

**\$18 M**

## 1931 – 440 Miles of Canals

- ✓ Bolles
- ✓ Cross
- ✓ 47 Miles of Levees
- ✓ Sixteen Locks & Dams

# EVENTS OF NOTE

## **1913** General Drainage Act (Chapter 298)

### Revenues:

- ✓ Bond Sales
- ✓ Special Tax Levy

### Primary Purpose:

- ✓ Flood Control
- ✓ Transportation

# EVENTS OF NOTE

## 1929 Okeechobee Flood Control District

Responsible for:

- ✓ Works & Improvements
  - Caloosahatchee River
  - Lake Okeechobee
  - Everglades

Necessary for:

- ✓ Flood Control
- ✓ Navigation

**1931**

**INTERNAL IMPROVEMENT FUND  
BANKRUPT – AGAIN!**



# 1928 Lake O Hurricane



# Lake O Navigation Project





# 1947 – Bob is Born



**1947** - Floods



**1948** – Congress Approves 1948 Flood Control Act

Focus: Flood Control/Water Supply



# C&SF Components

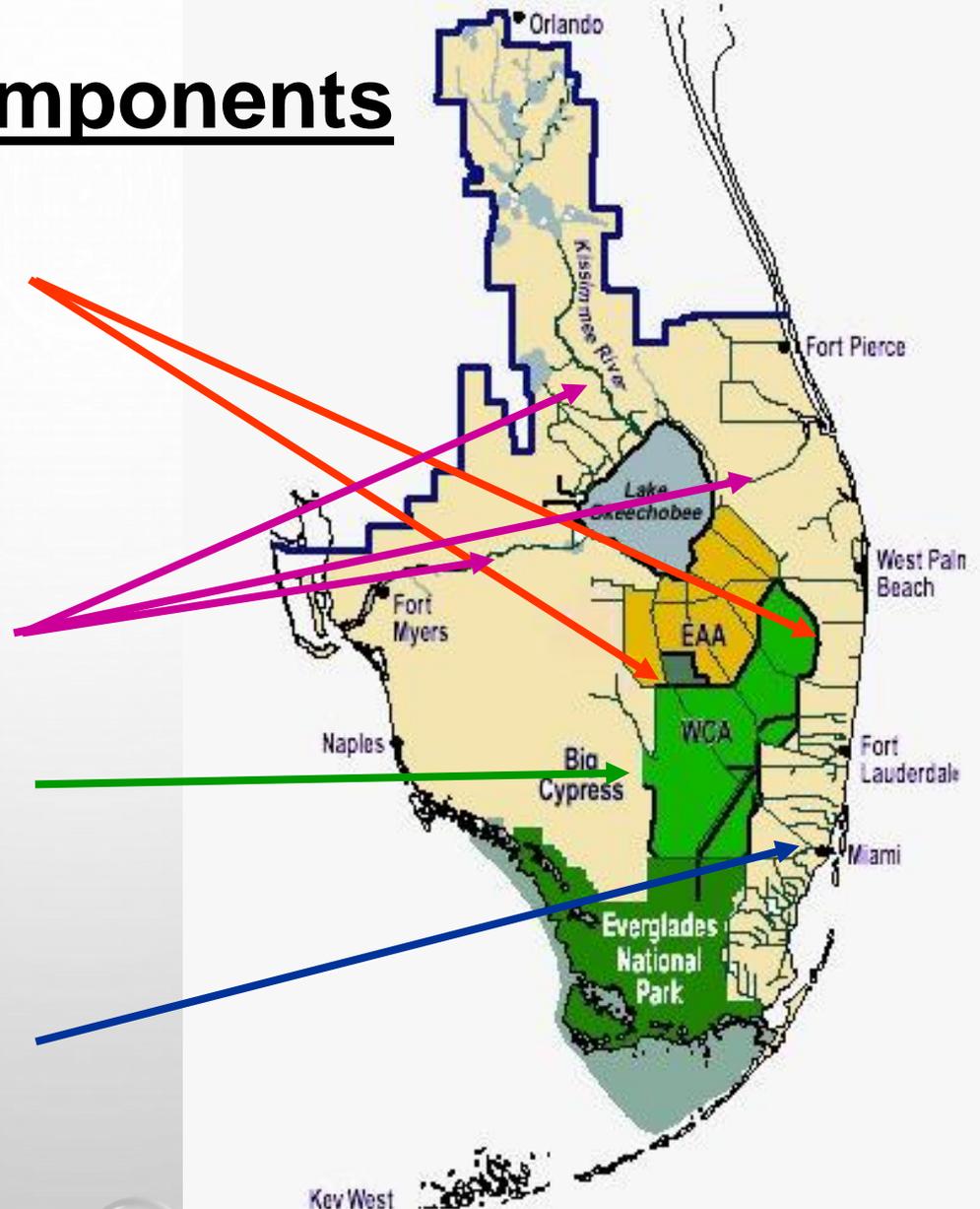
## ✓ Protective Levees

- Lower East Coast
- Everglades Agricultural Area

## ✓ River Channelization

## ✓ Water Conservation Areas

- ## ✓ Drainage Network
- Salinity Structures



**1949** – Central & South Florida Flood Control District Legislatively Created

Goal to Provide Works for:

- ✓ Flood Protection
- ✓ Water Conservation
- ✓ Water Supply

# 1950's

## 1954 Flood Control Act



Spessard Holland

# Project Construction

**1949-1954**

5-Canals

5-Pump Stations

2-Spillways

4-Levees

East Coast Structures

**1954-1959**

EAA Levees & Canals

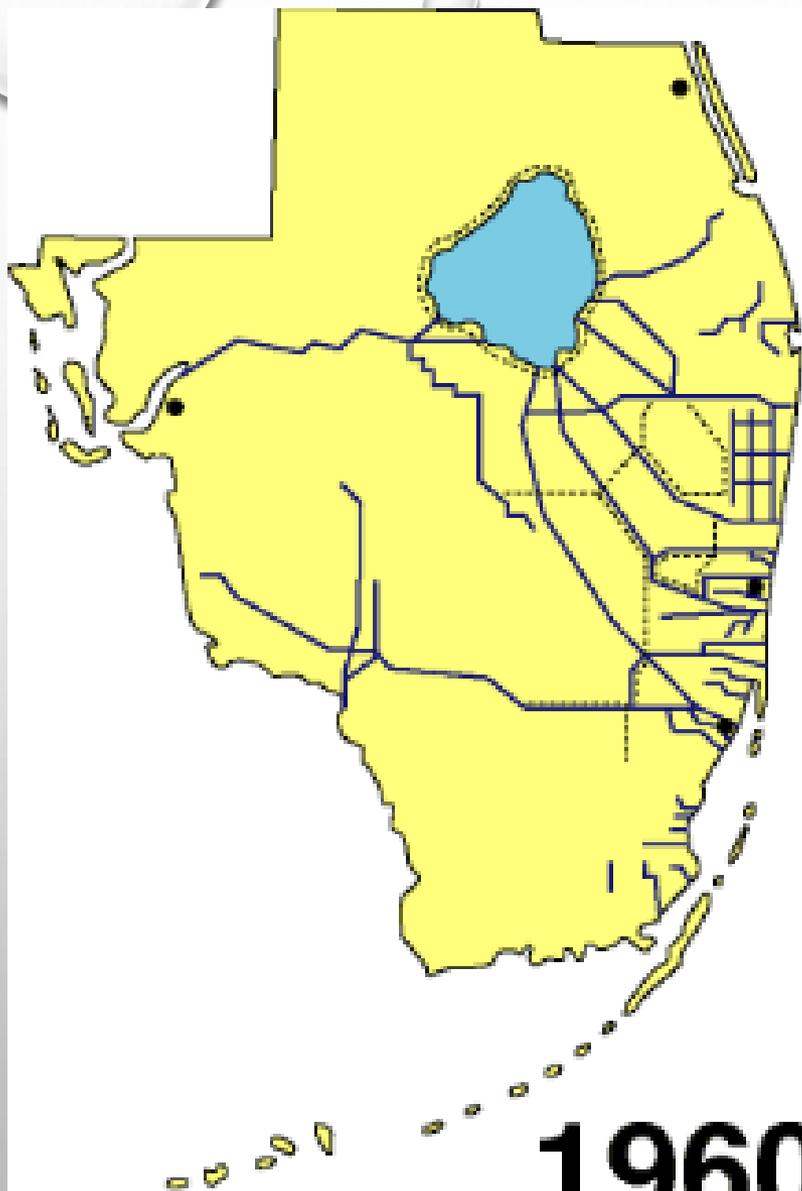
C-17 Palm Beach County

C-18 Palm Beach County

Lake "O" Structures

**1960**

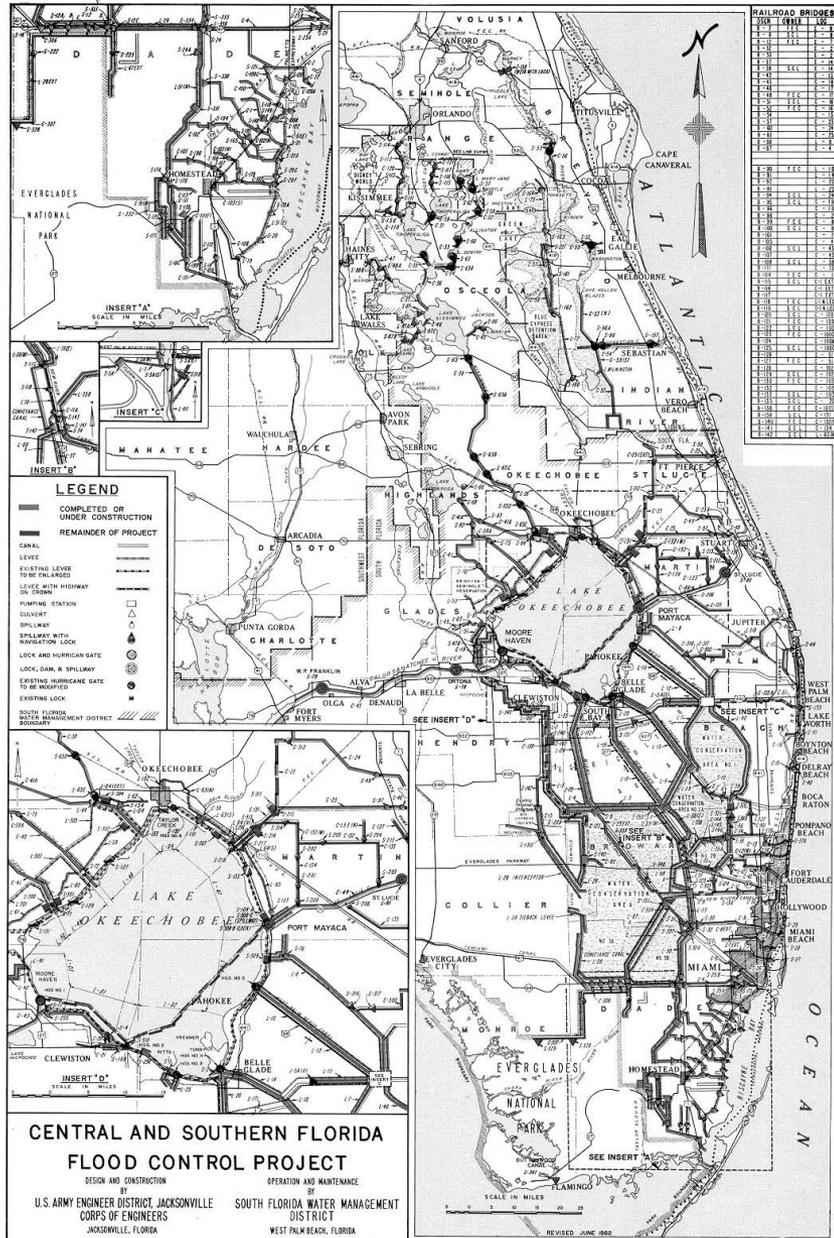
**15% of Project  
Complete**



# Project Construction 1960's

Water Conservation Areas  
 Lake "O" Dike Extended  
 Pump Stations Completed  
 Caloosahatchee Enlarged  
 Kissimmee Canal  
 Chain of Lakes Channels Cut  
 Spillways  
 Navigation Locks  
 Dams

By 1969 – 50% Complete



# Notable Events

## 1960's

TS Brenda & Hurricane Donna (**1960**)

Drought Years(**1961-1965**)

Herbert Hoover Dike Dedication(**1961**)

Kissimmee River (C-38) Work Begins  
(**1962**)

Flood Control Act of **1968**

# CONTROVERSIES

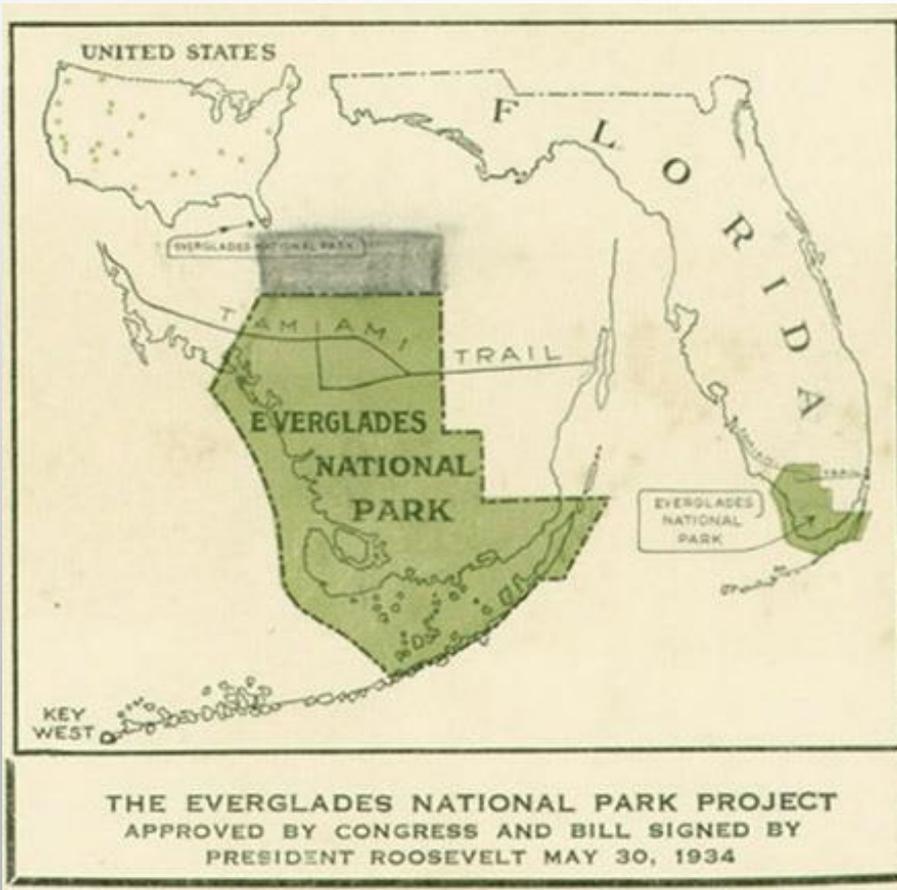
## 1960's

- ✓ St. Lucie Canal Discharges
- ✓ ENP Water Supply Guarantee
- ✓ Drowning Deer/Wildlife Impacts
- ✓ Drought/Floods – Natural & Man-made
- ✓ Ag getting Special Treatment
- ✓ Oil Exploration in WCA's
- ✓ Alligator Alley
- ✓ Rock Mining
- ✓ Development
- ✓ Lake "O" Water Quality
- ✓ Salt Water Intrusion

# Notable Events

1970

- ✓ EPA Formed
- ✓ 1<sup>st</sup> Everglades Conference
- ✓ Congress Mandates ENP Water Delivery Schedules



# Notable Events

1971

✓ Kissimmee C-38  
Canal Completed

✓ Cloud Seeding in  
FCD



Channelized Kissimmee River:

- Controlled flooding well
- Drained 60% of wetlands
- Disturbed hydrologic cycle
- Lowered plant diversity
- Lowered fish and waterfowl diversity

# Notable Events

**1972**

## Governor's Conference on Water Management

- ✓ Water Supply linked to Growth Mgt.
- ✓ Reversing Water Quality Losses
- ✓ Land Use Recommendations
- ✓ Comprehensive Planning
- ✓ Ground Water Protection
- ✓ Geographical Considerations

**The Water Resource Act**

**The Comprehensive Planning Act**

**The Environmental Land & Water Mgt. Act**

# Notable Events

**1973-1976**

**1973** - WMD Governing Boards

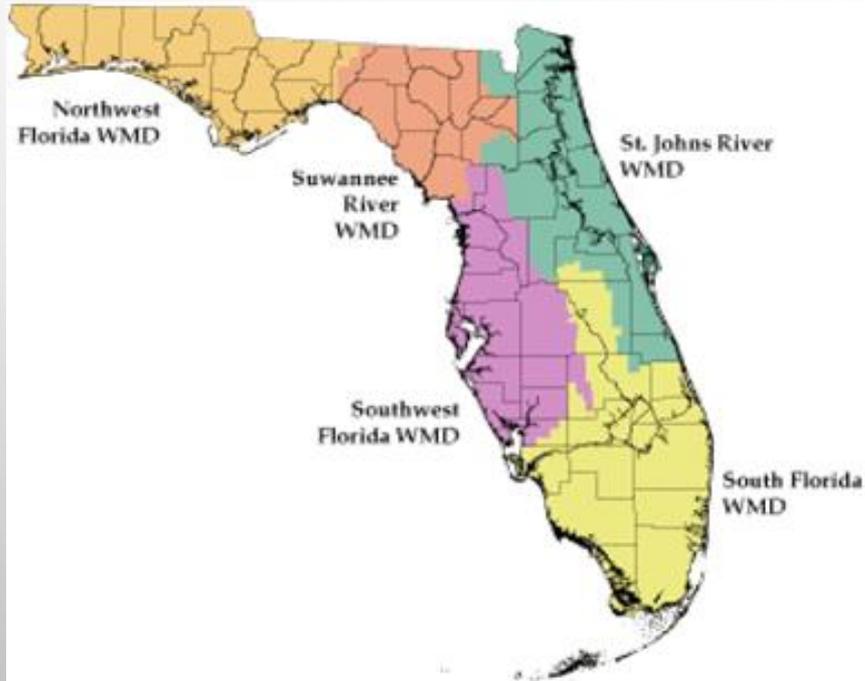
**1974** - Permitting Requirements Adopted

**1975** - State Environmental Reorganization Act  
Delegates Authority to WMDs (Ch. 373)

**CREATES FDEP & SFWMD**

# Notable Events

1977-1979



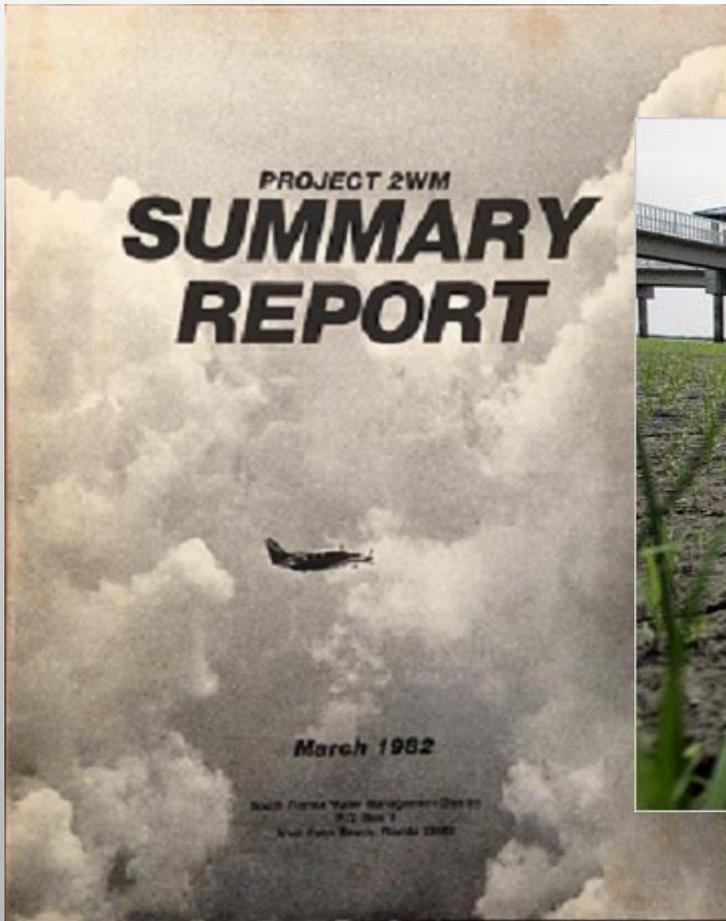
## Boundaries Change

SFWMD: Lost Upper St. Johns  
Gains 1000 SQ. Miles

Now 17,400 SQ Miles

**1980's**

**Drought/Flood Cycle at Historic Wose**  
Cloud Seeding-Weather Modification  
Project – 2 WM-81



# 1980's

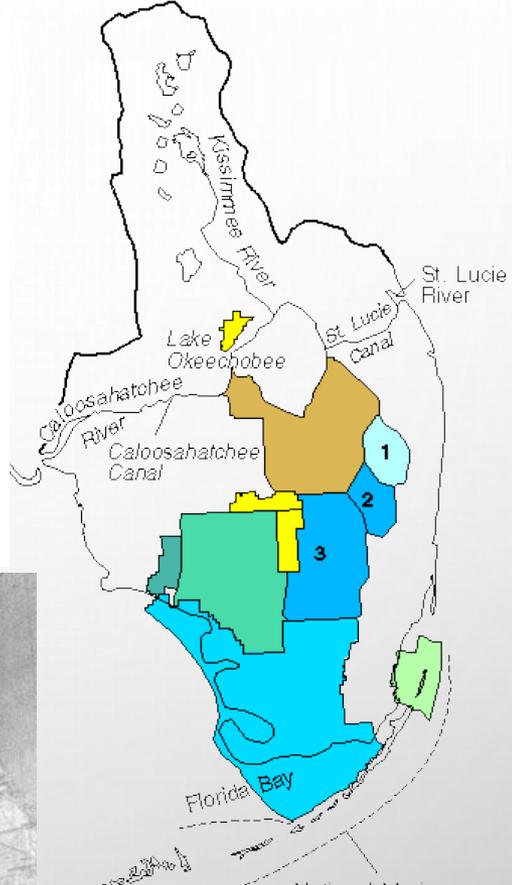
## INDIAN RIVER LAGOON PROGRAM



FLORIDA COMMUNITIES TRUST



Location of Study Area



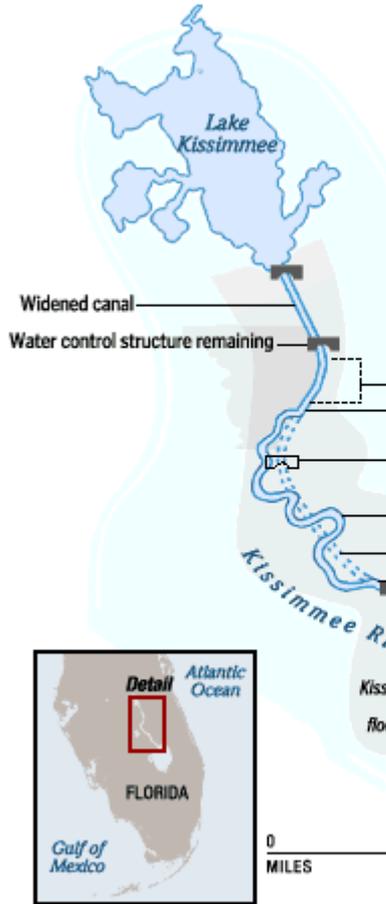
### EXPLANATION

- Everglades Agricultural Area
- Big Cypress National Preserve
- Fakahatchee Strand State Preserve
- Biscayne National Park
- Everglades National Park
- Water Conservation Areas (WCA 2 and 3)
- Loxahatchee National Wildlife Refuge (WCA 1)
- Native American Lands



# 1990's

## Restoring the Kissimmee River

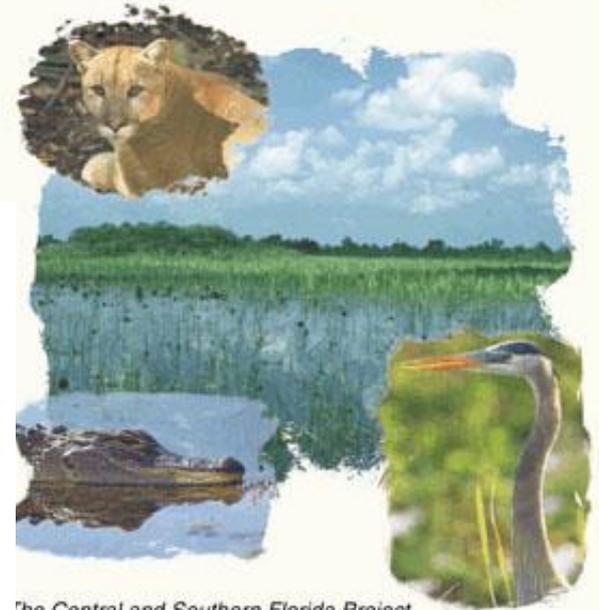


In 1971, the Army Corps of Engineers finished transforming the wild, meandering, 103-mile Kissimmee River into the placid, straight, 56-mile C-38 Canal. Now the Corps and the South Florida Water Management District are backfilling 22 miles of the canal—and blowing up two of its control structures—to restore 43 miles of the river. The \$518 million project is supposed to be a model for Everglades restoration, but it is a much

**Florida Forever**  
Protecting our Future

SOURCE: South Florida Water Management District

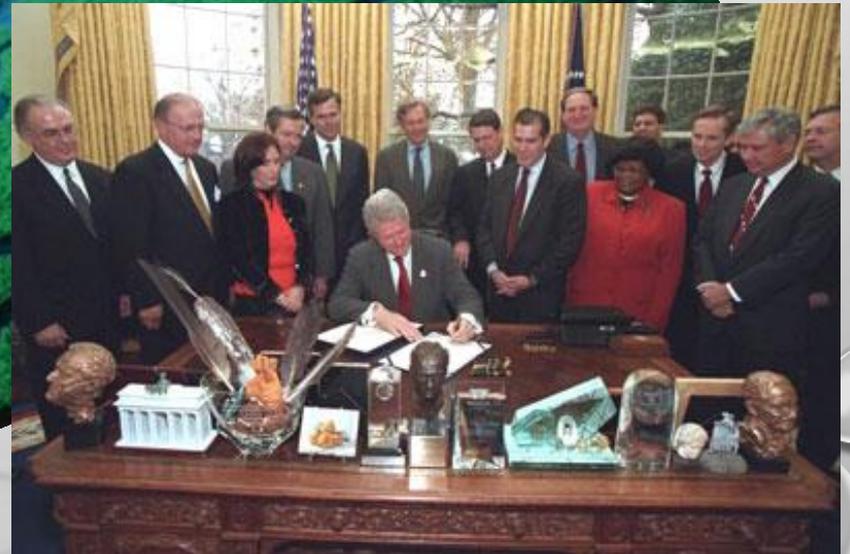
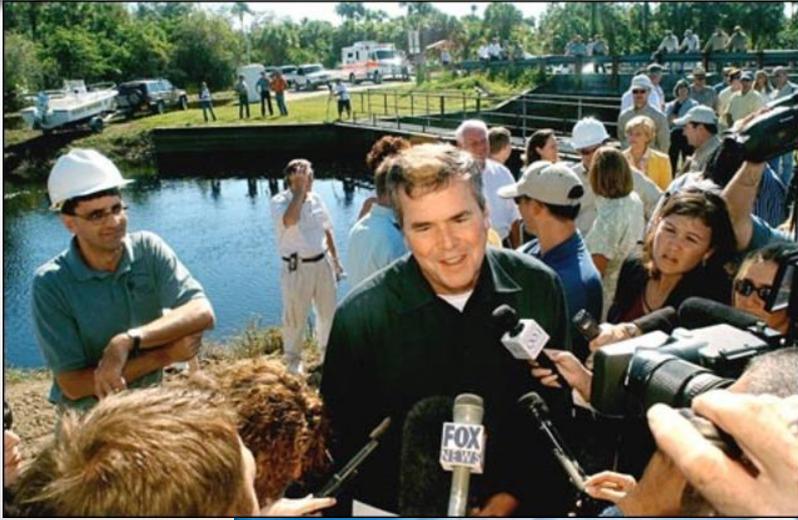
## Rescuing an Endangered Ecosystem: The Plan to Restore America's Everglades



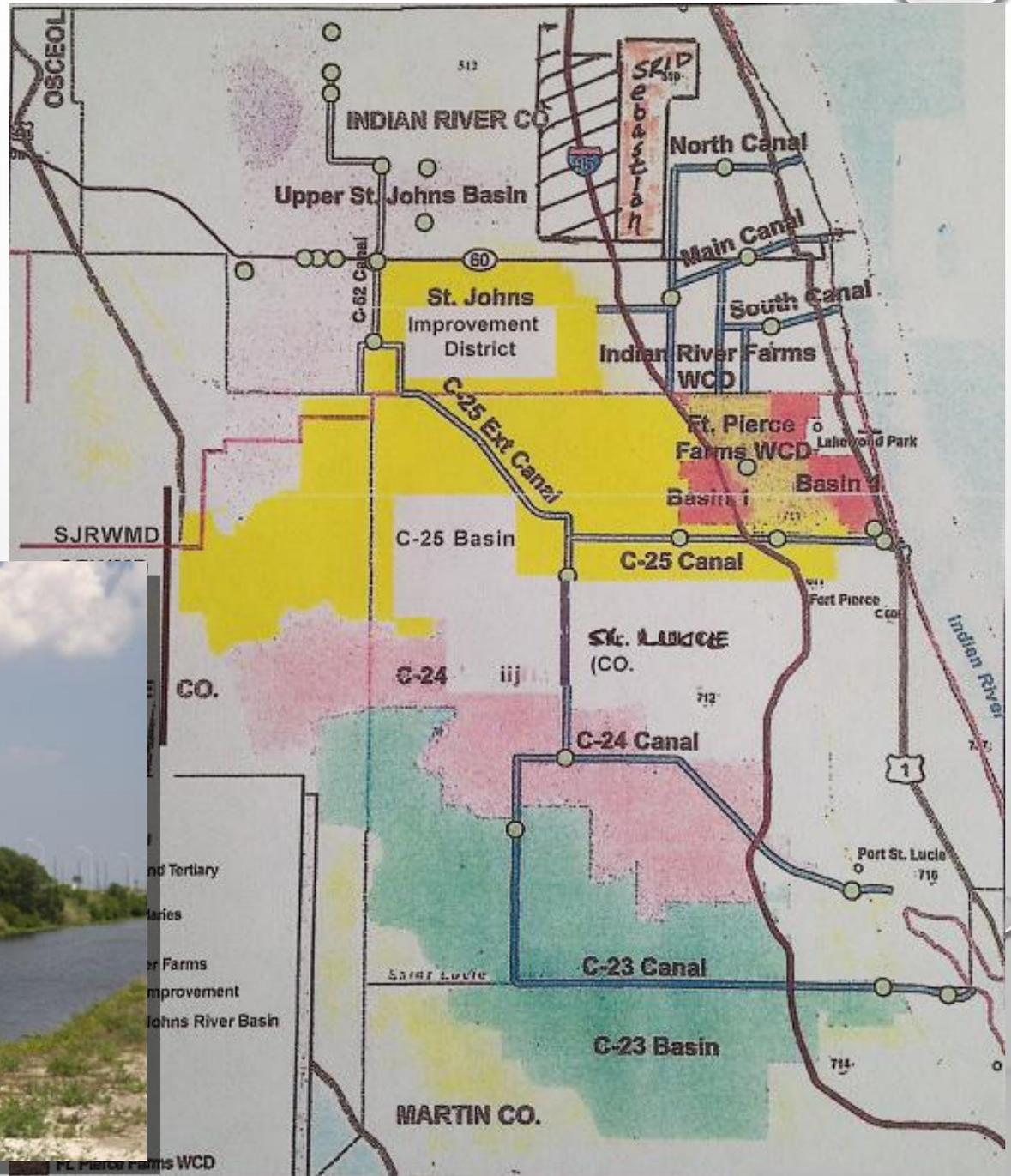
The Central and Southern Florida Project  
Comprehensive Review Study  
The Restudy)

July 1999

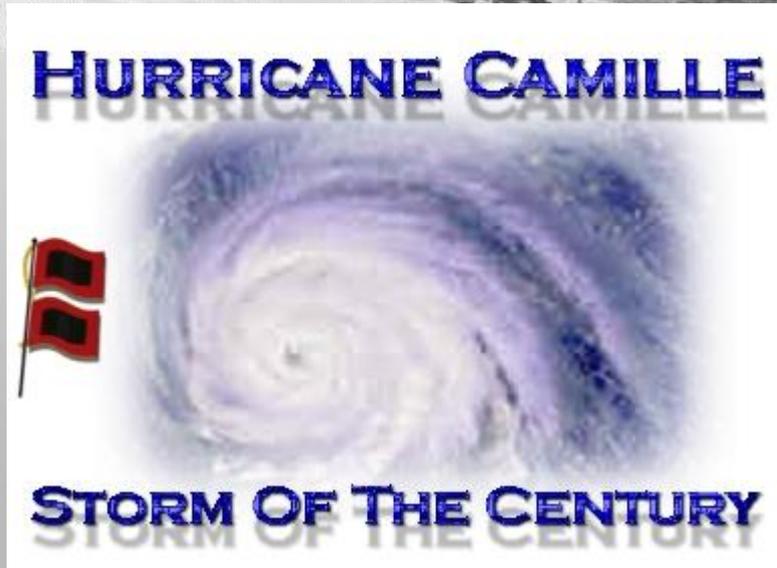
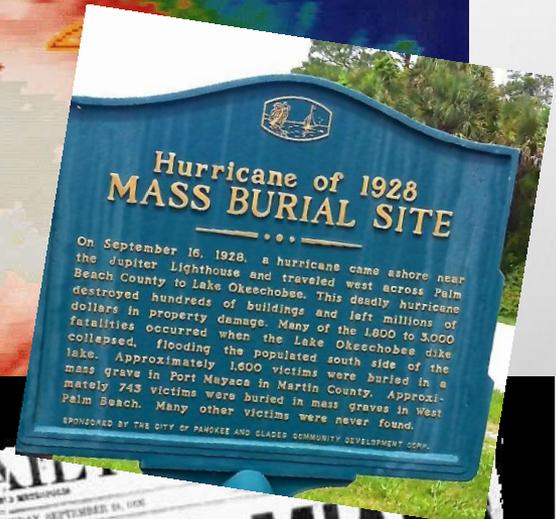
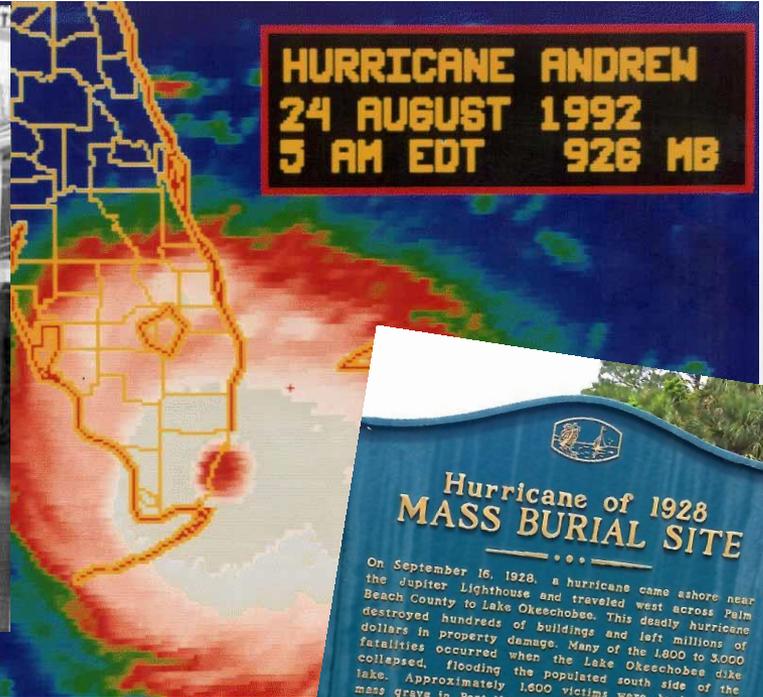
# 1990's



# Local Matters of Interest



# Hurricanes/Storms Pre 2000



# Questions?

