

**U.S. ARMY CORPS OF ENGINEERS (USACE)
JACKSONVILLE DISTRICT**

LEADING THE WAY IN AQUATIC ECOSYSTEM RESTORATION!

**Presented by: Howie Gonzales, Deputy for Programs and Project Management
U.S. Army Corps of Engineers, Jacksonville District
20 March 2024**



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**US Army Corps
of Engineers®**

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AGENDA



- **Ecosystems of National Significance and America's Everglades**
- **Background**
- **Everglades Restoration**
- **The Comprehensive Everglades Restoration Plan (CERP)**
- **The South Florida Ecosystem Restoration (SFER) Program**
- **Doing business with USACE**

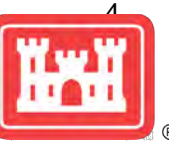


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ECOSYSTEMS OF NATIONAL SIGNIFICANCE





BACKGROUND

America's Everglades

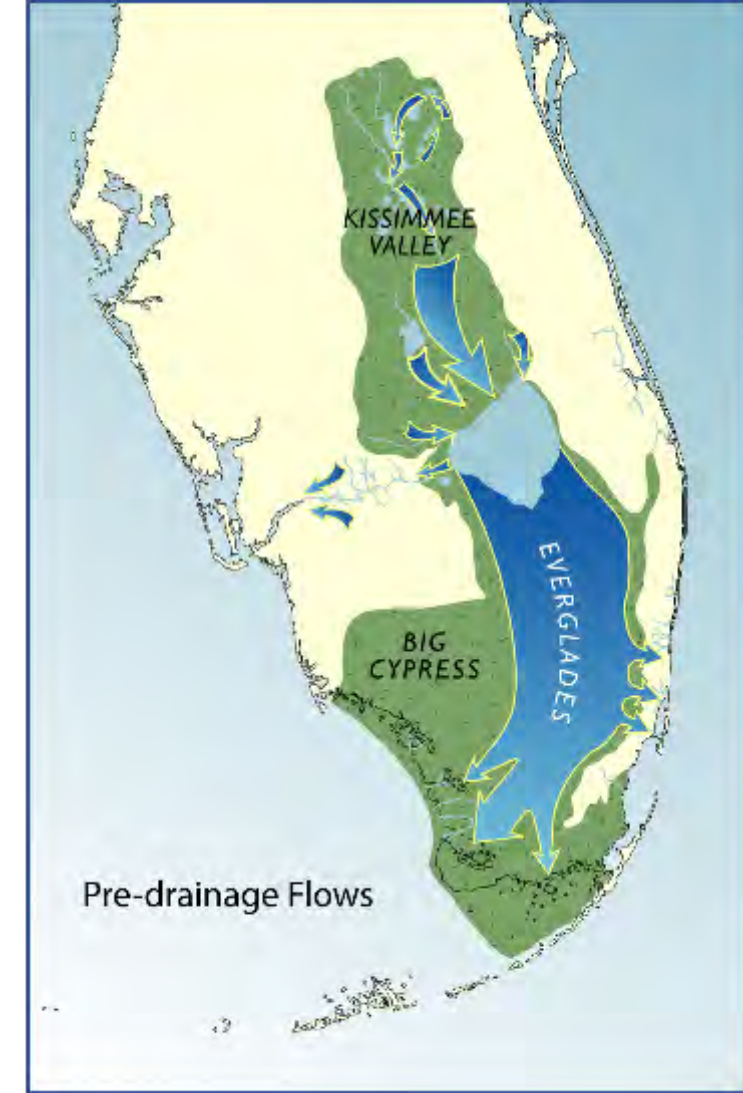
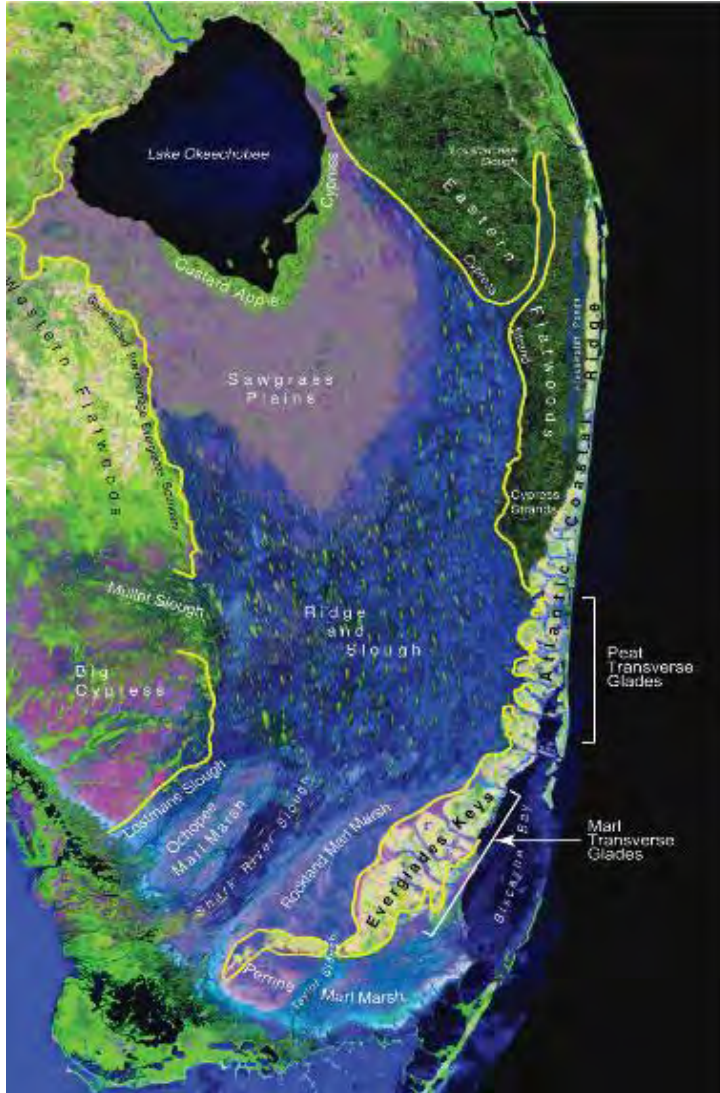
What Were the Everglades Originally Like?

BACKGROUND

THE HISTORIC EVERGLADES ECOSYSTEM

“River of Grass”

- Natural system composed of over 9 million acres of lakes, rivers and wetlands
- Water flowed from central Florida through Lake Okeechobee and south into Florida Bay
- Unique and diverse mosaic of habitat
- Over 60 inches of rain annually
- Very flat - slopes one inch per mile





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BACKGROUND

“There are no other Everglades in the world.”

Marjory Stoneman Douglas



The Everglades have been designated a World Heritage Site, an International Biosphere Reserve, and a Wetland of International Significance



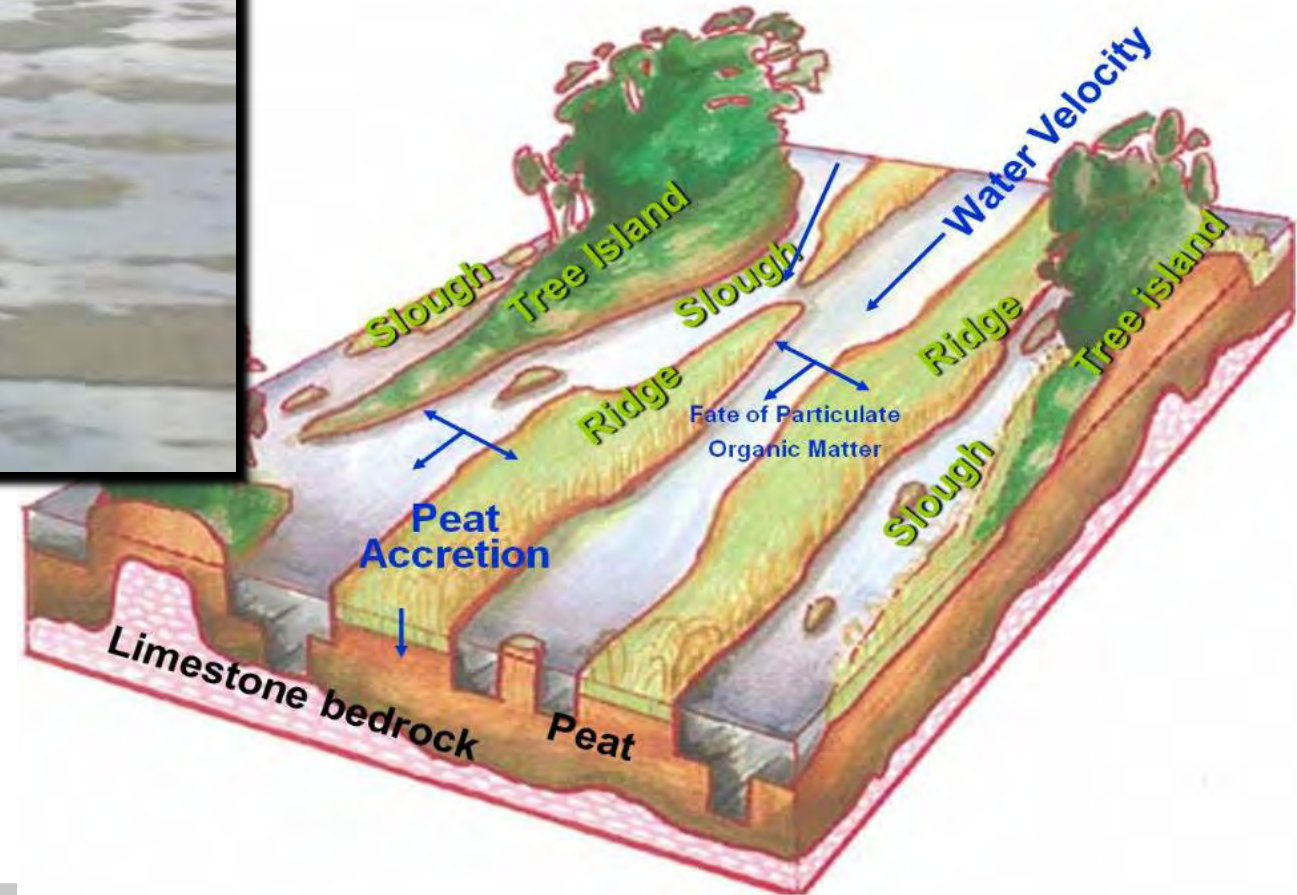
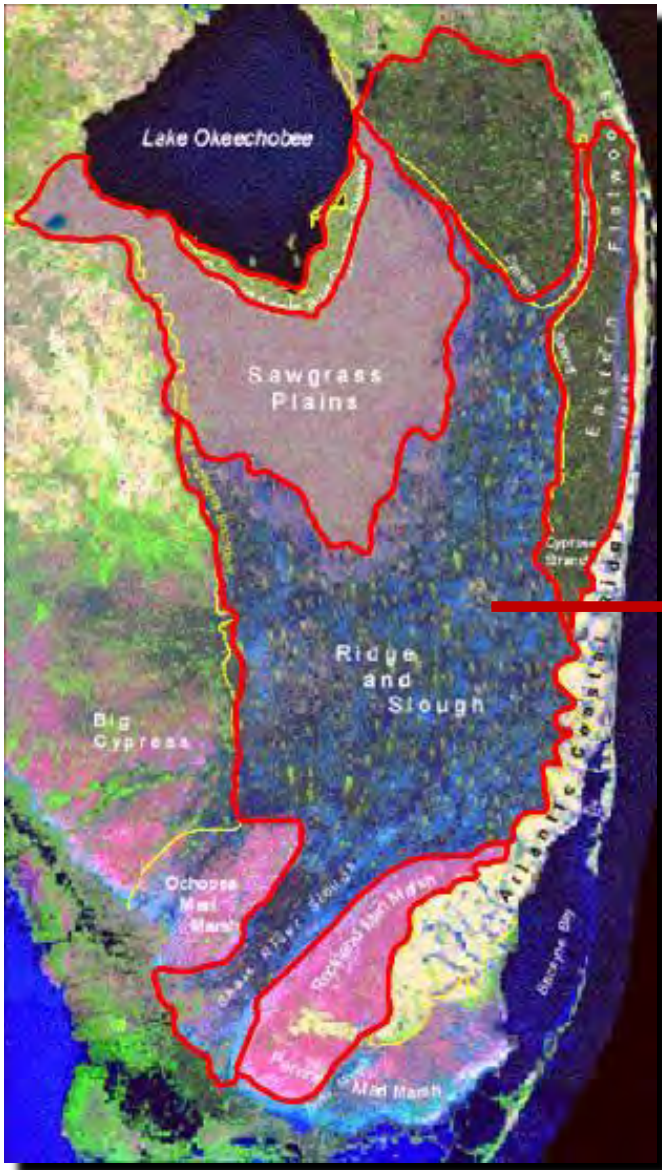
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BACKGROUND

UNIQUE RIDGE AND SLOUGH LANDSCAPE



7





BACKGROUND



What Happened to the Everglades?

BACKGROUND

Mid 1800s: Swampland “Reclaimed” for Agriculture



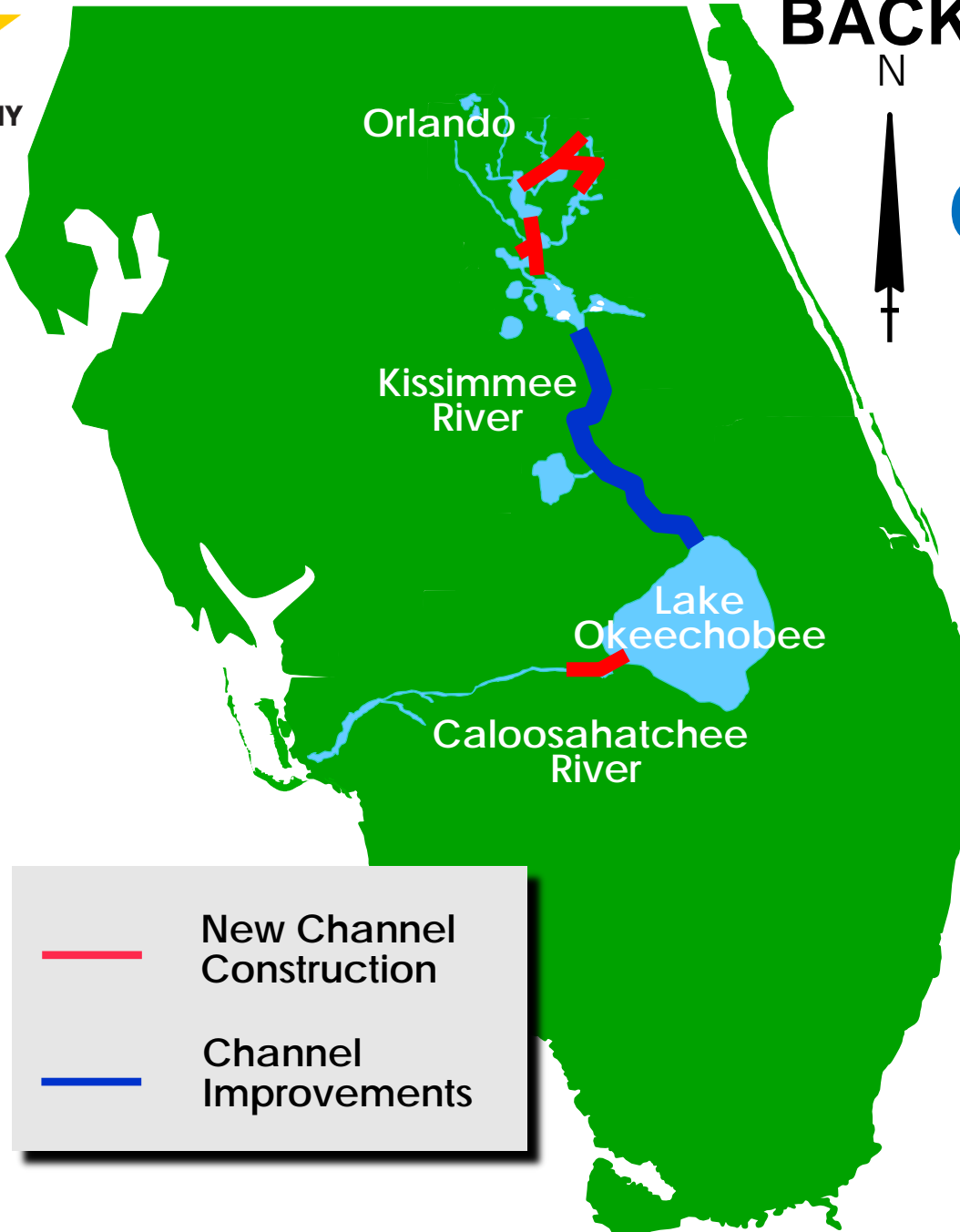


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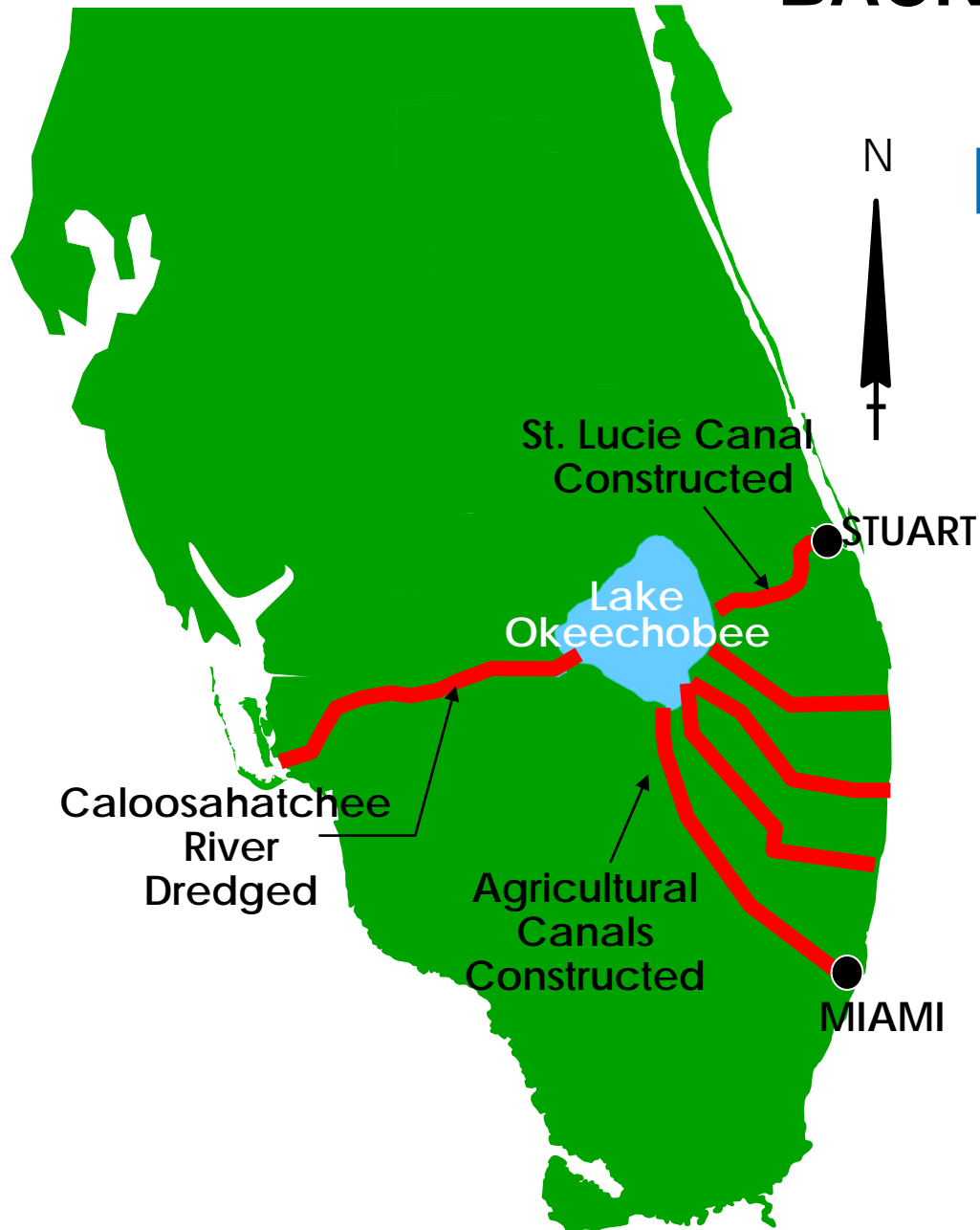
BACKGROUND

Hamilton Disston Construction: 1881-1894



BACKGROUND

Everglades Drainage District Works: 1905-1928



BACKGROUND

1928 Lake Okeechobee Flood

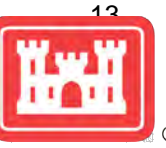


- Rain filled Lake Okeechobee to the brim
- Then a hurricane wind from the north began pushing lake water to the south
- The dikes crumbled, and water rushed onto the swampy farmland
- Homes and people were swept away
- Over 2,500 people perished

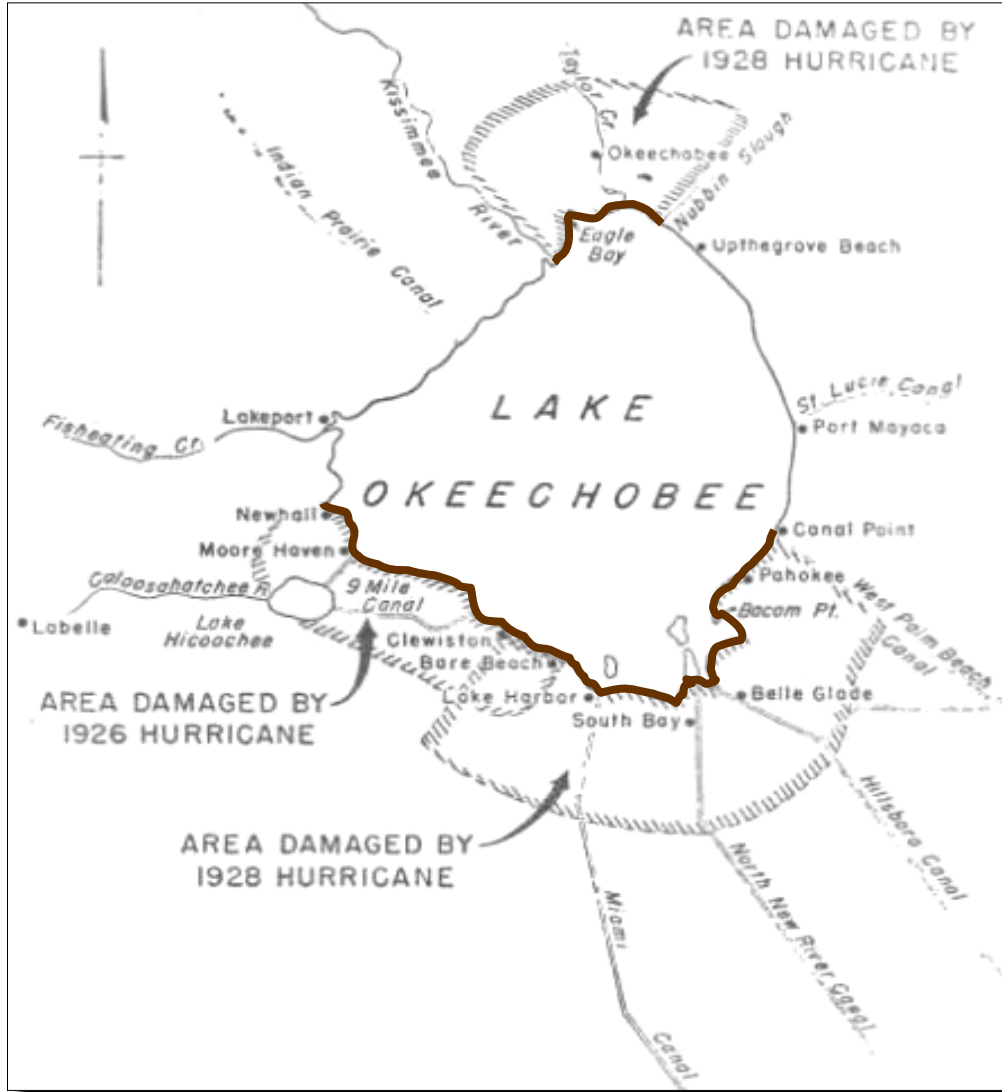


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BACKGROUND



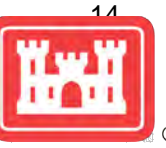
Congress Authorizes the Herbert Hoover Dike in 1930





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BACKGROUND

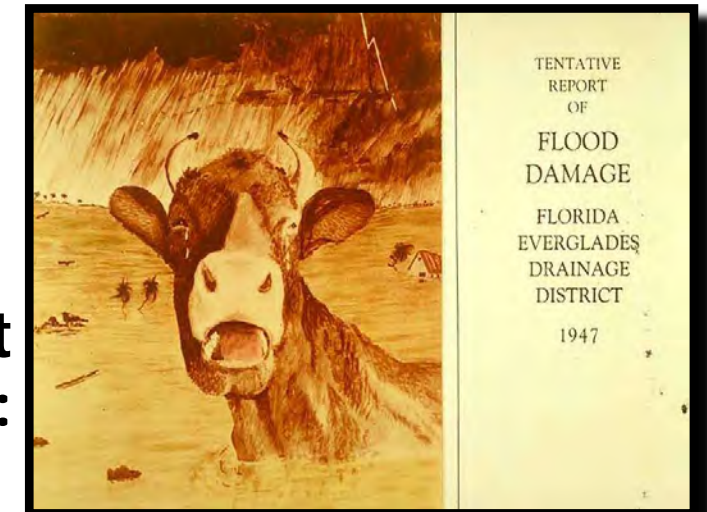


The 1947 Flood

- Fort Lauderdale is flooded after a hurricane hit in 1947
- Two hurricanes passed over Broward County that year
- Flooding occurred across the State



The government responded:



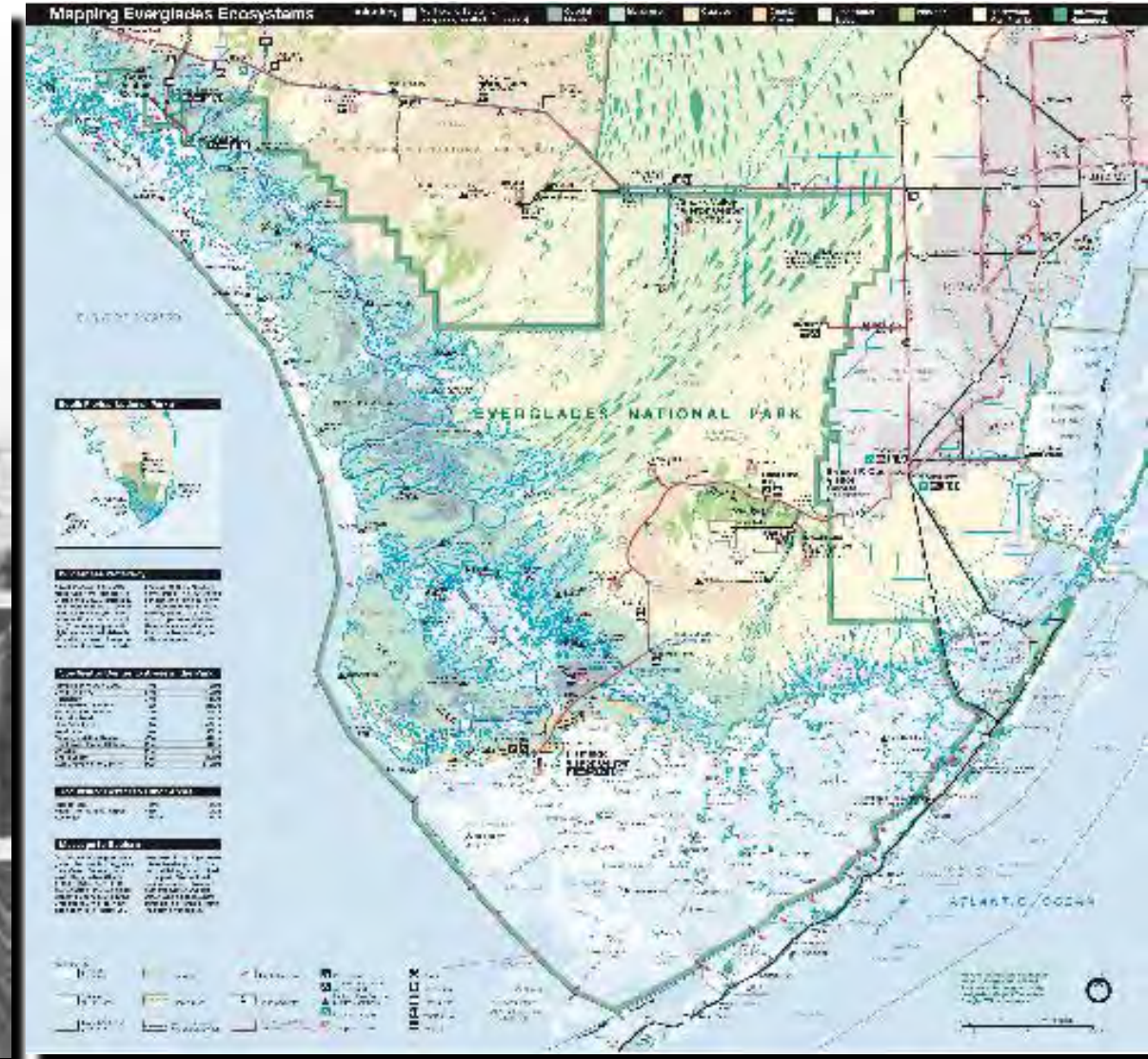


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Everglades National Park Established: 1947



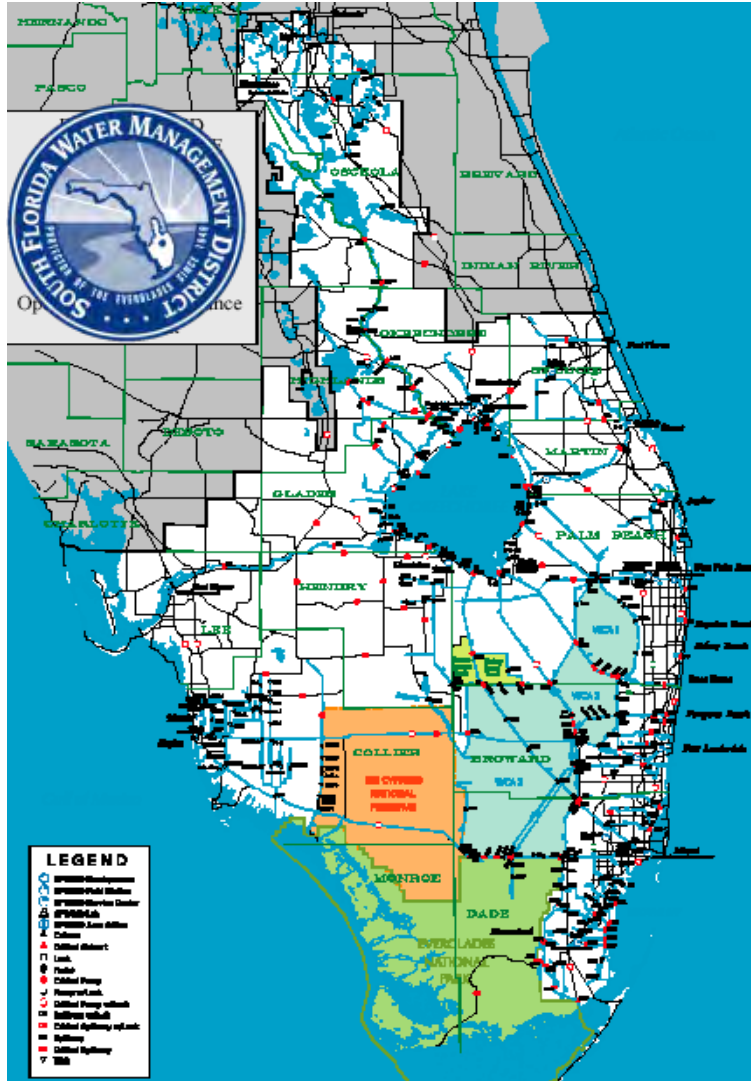


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BACKGROUND

The C&SF Project: 1948

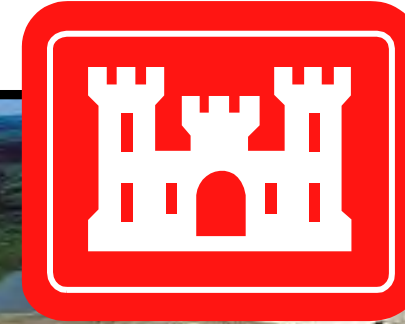
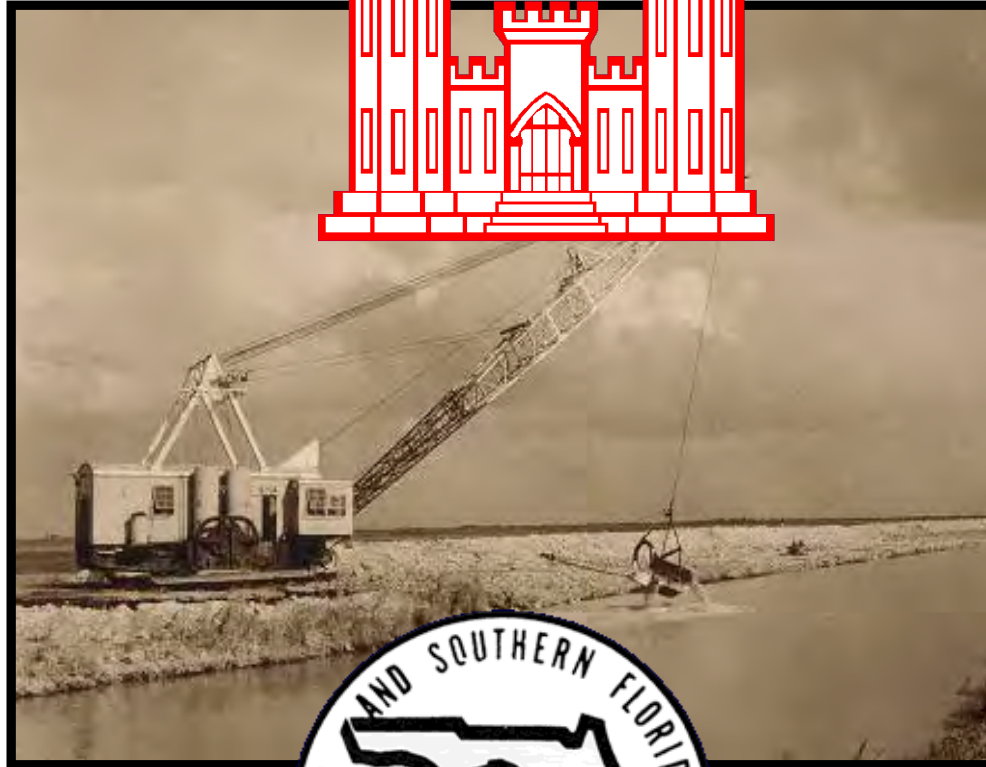
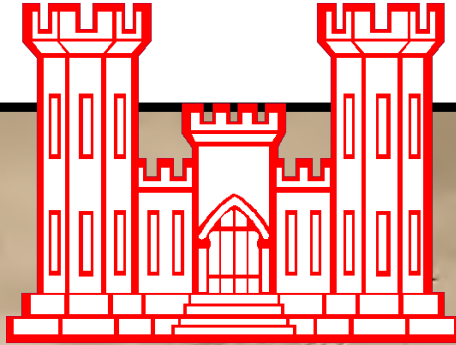


*One of the world's
largest and most
complex water
management systems!*

- The Central & Southern Florida (C&SF) Project was Authorized 1948
- Flood Control
- Water Supply
 - Agriculture
 - Urban
 - Everglades National Park
- Prevention of saltwater intrusion
- Navigation
- Protection of "fish and wildlife"

BACKGROUND

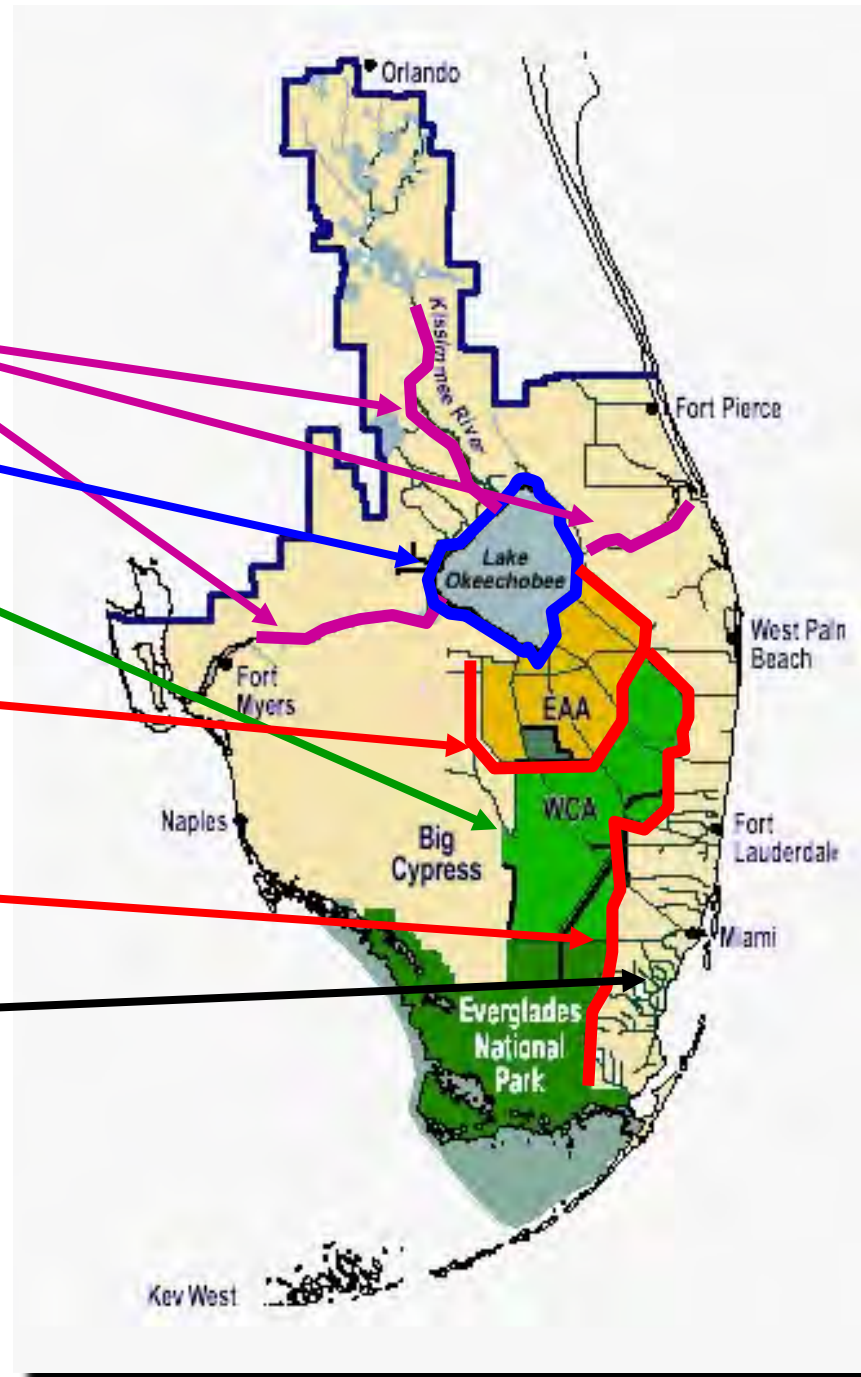
Partners for Over 70 Years





Features of the C&SF Project

- River Channelization
- Herbert Hoover Dike
- Water Conservation Areas
- Protective Levees
 - Everglades Agricultural Area
 - Lower East Coast
- Drainage Network
 - Salinity Structures



Current C&SF System

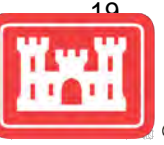
- 1,800 miles of canals and levees
- 160 major drainage basins
- Over 2,000 water control structures
- 200 major structures
- 36 pump stations



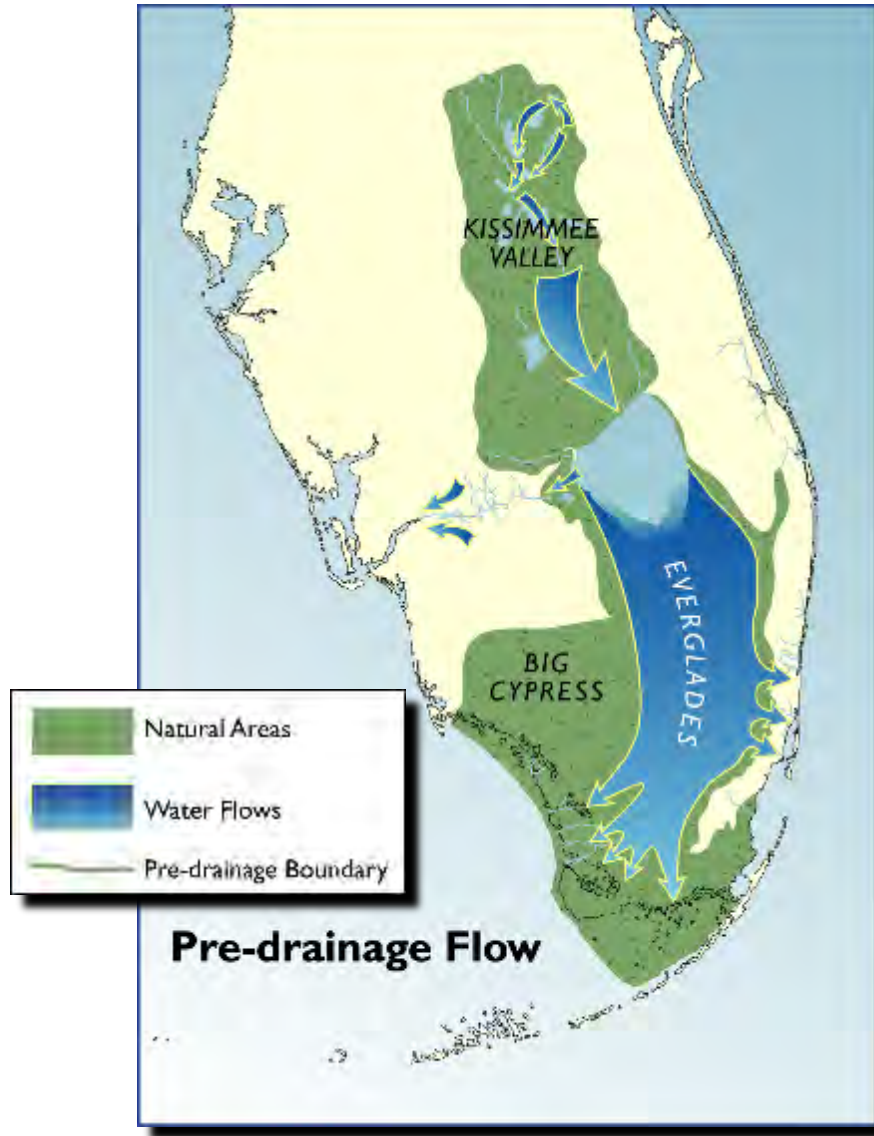


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Results in Historical Flows Significantly Altered



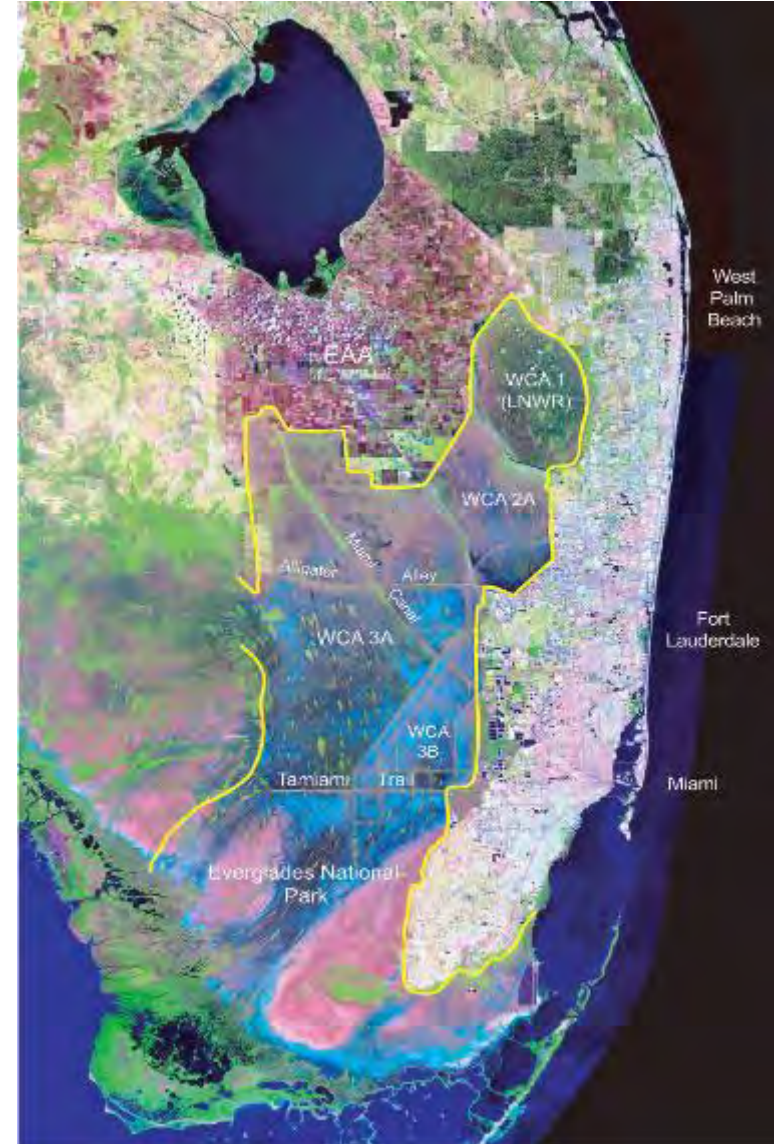
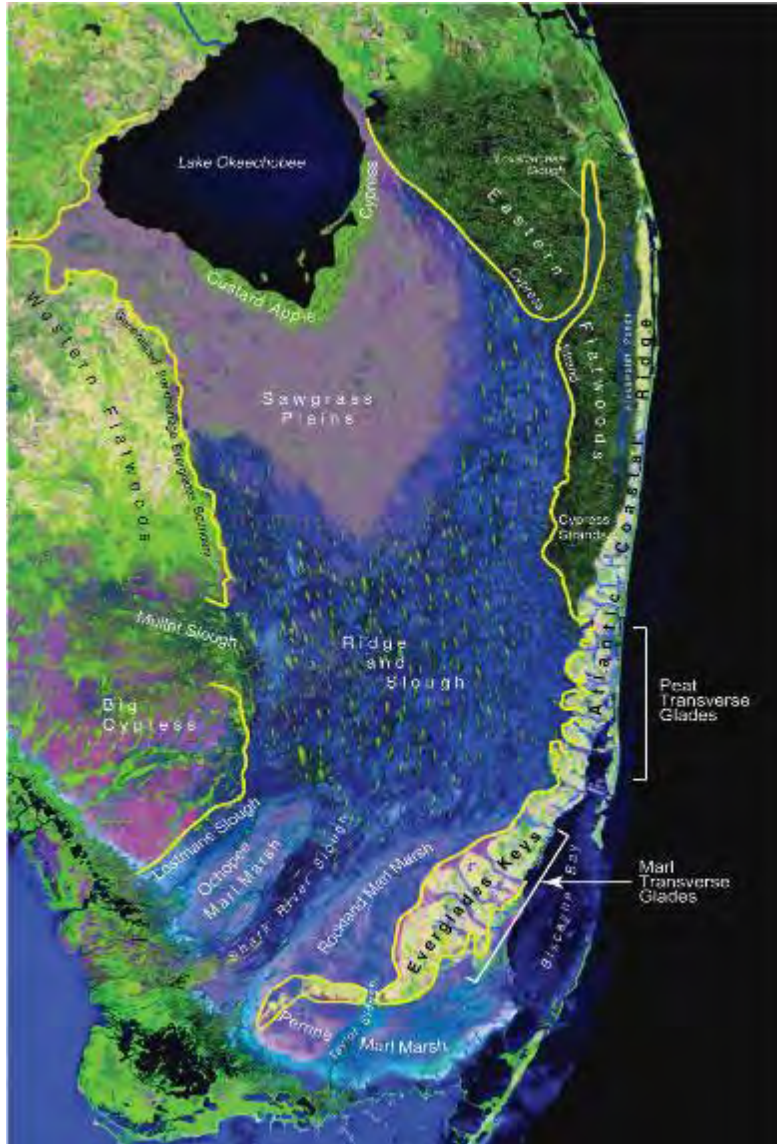


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BACKGROUND



Results in Historical Flows Significantly Altered





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BACKGROUND

An Ecosystem in Trouble



- Disruption in quantity, timing, and distribution of water in South Florida ecosystem
- Degradation of water quality
- Peat soils in the Everglades have oxidized and caused subsidence
- Loss of ridge and slough
- Exotic and invasive plants and animals have altered the ecosystem
- Declining estuary health
- 50 percent reduction in spatial extent of natural system
- Massive reductions in wading bird populations
- 68 Federally-listed threatened and endangered species
- Repetitive water shortages and salt water intrusion

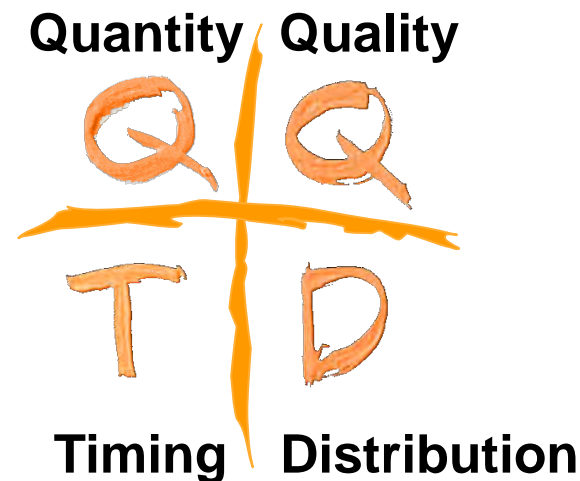


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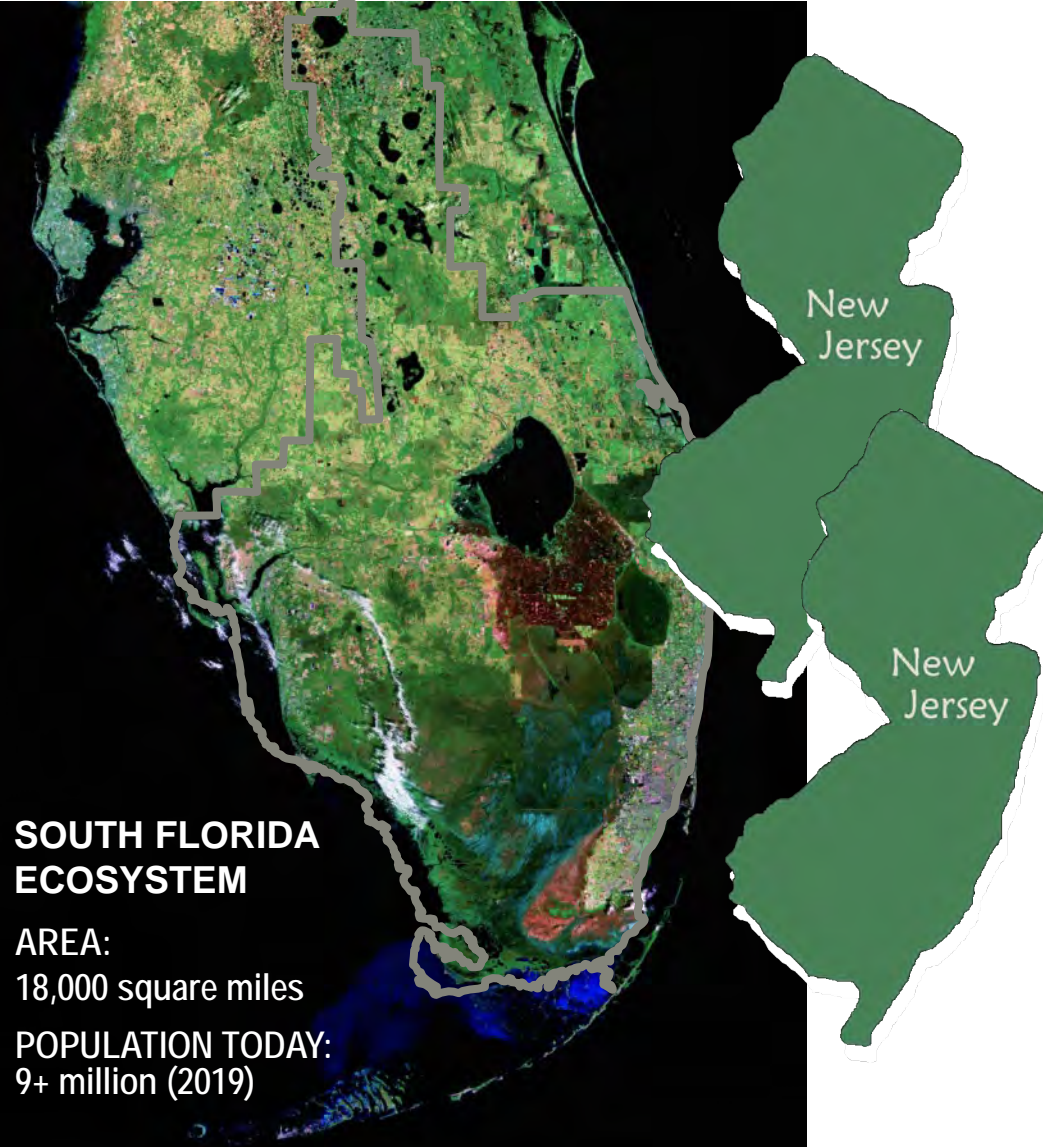


Everglades Restoration

- Planning in an area twice the size of New Jersey
- Intense stakeholder interest
- Competing interests
- Complexity of problems
- Conflicting agency responsibilities



**Getting The
Water Right!**



C&SF Project Review Study (The Restudy)

- **Need for comprehensive solution recognized**
- **Study authorized by Congress in WRDA-92 and initiated in June 1993 (Recon Report)**
- **Purpose - modify C&SF Project to:**
 - Restore South Florida ecosystem
 - Enhance water supplies
 - Maintain flood protection
- **Additional authorization/requirements in WRDA-96**
 - Task Force
 - Comprehensive Plan with consideration of Governor's Commission Conceptual Plan



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Comprehensive Everglades Restoration Plan (CERP)

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



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

July 1999

On December 11, 2000, the President signed the Water Resources Development Act of 2000 approving:

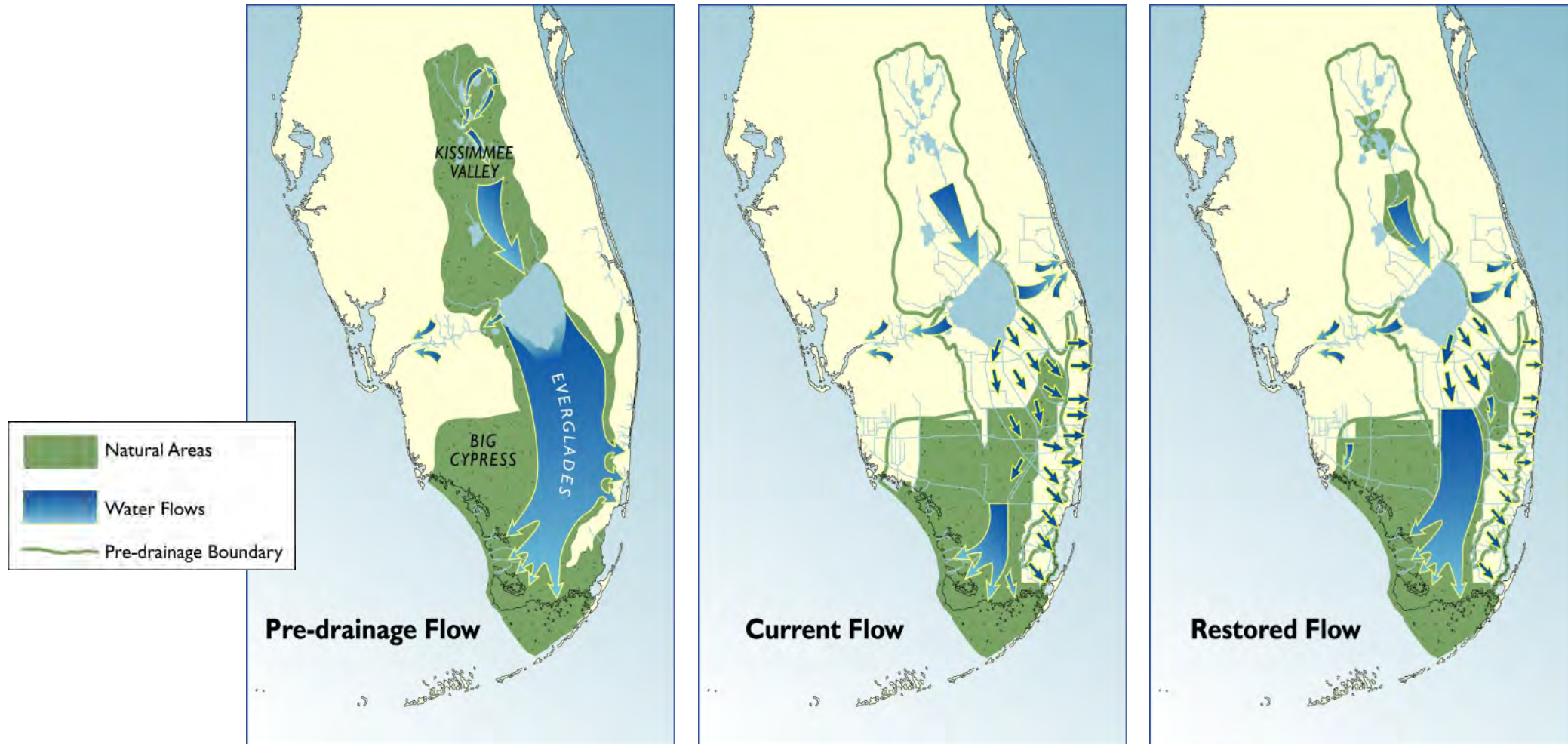
Comprehensive Everglades Restoration Plan (CERP)



A program providing for the restoration, preservation, and protection of the south Florida ecosystem while providing for other water-related needs of the region.

BACKGROUND

Comprehensive Everglades Restoration Plan (CERP)





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BACKGROUND

South Florida Ecosystem Restoration (SFER) Program



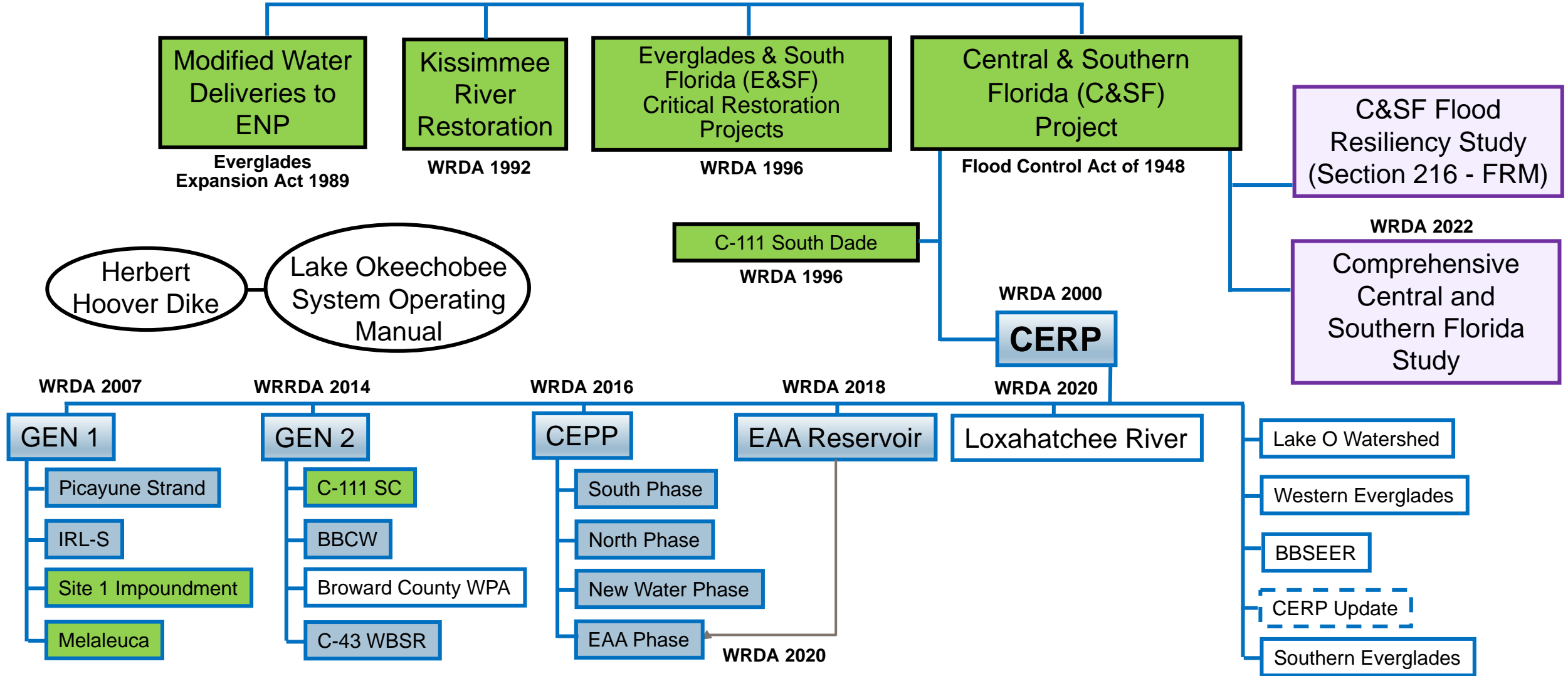
- Improve the health of 2.4 million acres of south Florida ecosystem, including Lake Okeechobee
- Large-scale watershed (18K square miles)
- Federal lands of national importance
 - Everglades and Dry Tortugas National Park
 - Biscayne Bay National Park
 - Arthur R. Marshall Loxahatchee National Wildlife Refuge
 - Big Cypress National Preserve
- Flood risk management and water supply for 9 million residents
- 70 Federally-listed threatened and endangered species
- Robust agricultural, recreational, and tourism industries



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SFER PROGRAM STRUCTURE



3/22/2024



SFER PROGRAM IMPLEMENTATION

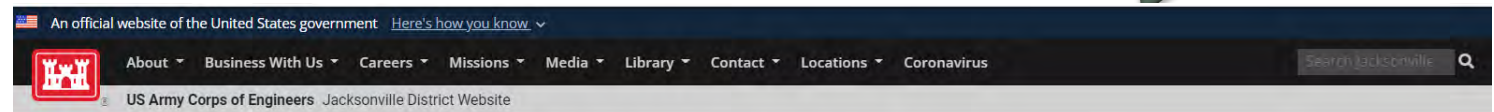
Integrated Delivery Schedule (IDS)



- A “road map” that guides projects and maximizes the benefits of all Comprehensive Everglades Restoration Plan (CERP) efforts
- Communication tool across the program and with public
- Developed and reviewed each year through an extensive public process with participation of the South Florida Ecosystem Restoration Task Force and its Working Group
- Projects and planning timelines organized so that the beginning of one element coincides with progress or completion of others

www.saj.usace.army.mil/IDS/

Or Google
“CERP IDS”



[Home](#) / [Missions](#) / [Environmental](#) / [Ecosystem Restoration](#) / [Integrated Delivery Schedule](#)

Welcome to the Integrated Delivery Schedule (IDS)



The **2022 Integrated Delivery Schedule (IDS)** is available! The IDS provides the roadmap for sequencing of planning, design, construction and operations of both federal and state projects related to Everglades restoration.

Integrated Delivery Schedule

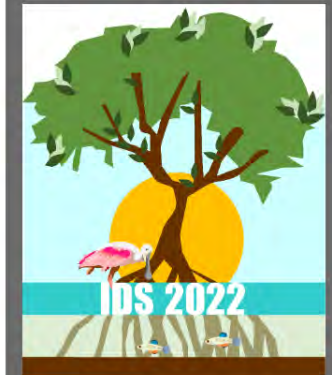


The Integrated Delivery Schedule (IDS) is a forward-looking snapshot of upcoming design and construction schedules and programmatic costs at a “top” line level for the South Florida Ecosystem Restoration (SFER) Program. It includes Modified Water Deliveries to Everglades National Park, Critical Projects, Kissimmee River Restoration, non-Comprehensive Everglades Restoration Plan (CERP) Central and Southern Flood (C&SF), and CERP projects. The Comprehensive Everglades Restoration Plan (CERP) focuses on the “getting the water right.” CERP—the largest aquatic ecosystem restoration effort in the nation, spanning over 18,000 square miles—is designed to improve the health of more than 2.4 million acres.

The IDS reflects the sequencing strategy for planning, design, and construction and does not include costs for completed work or land acquisition. The IDS does not require an agency action and is not a decision document. It is a tool that provides information to decision-makers—a living document that is updated as needed to reflect progress and/or program changes. The IDS synchronizes program and project priorities with the State of Florida and achieves the CERP restoration objectives at the earliest practicable time, consistent with annual funding updates and the interdependencies between project components. All Everglades restoration-related projects upon which the CERP is dependent—such as the Herbert Hoover Dike, the Modified Water Deliveries to Everglades National Park, Tamiami Trail Next Steps bridging, and the Restoration Strategies projects—are reflected in the IDS schedule, but are not included in the funding scenario. These projects are funded through other program authorities or by other entities. Restoration projects by others are also not included but are considered during planning.

The South Florida Ecosystem Restoration Task Force Working Group sponsored a series of public

Request a viewable and printable
(11 x 17) PDF version of the
**Integrated Delivery Schedule
(IDS)**



Request a viewable and printable (11 x 17)
PDF of the final 2022 IDS

View the Final 2022 IDS
The Integrated Delivery Schedule (IDS)
provides the roadmap for sequencing,



SFER PROGRAM FUNDING



Fiscal Year 2024 (FY24) Budget Overview



NON-CERP PROJECTS

- 1) Seminole Big Cypress
- 2) West Palm Beach Canal Stormwater Treatment Areas (STAs)
- 3) Modified Water Deliveries (MWD) to Everglades National Park (ENP)
- 4) C-111 South Dade
- 5) Kissimmee River Restoration (KRR) Project
- 6) Herbert Hoover Dike (HHD)

CERP PROJECTS

- 7) Site 1 Impoundment
- 8) Picayune Strand Restoration Project (PSRP)
- 9) Indian River Lagoon – South C-44 Reservoir and STA
- 10) C-111 Spreader Canal Western Project
- 11) Biscayne Bay Coastal Wetlands (BBCW) – Phase 1
- 12) Caloosahatchee River C-43 Reservoir
- 13) Broward County Water Preserve Areas (BCWPA)
- 14) Melaleuca Eradication
- 15) Central Everglades Planning Project (CEPP)
- 16) Loxahatchee River Watershed Restoration Project (LRWRP)
- 17) Lake Okeechobee Watershed Restoration Project
- 18) Biscayne Bay and Southeastern Everglades (BBSEER)

	INVESTIGATIONS	CONSTRUCTION	OPERATIONS & MAINTENANCE	
South Florida Ecosystem Restoration (Annual)	\$0	\$415M*	\$12.897M	FY24 President's Budget
South Florida Ecosystem Restoration (Supplemental)	\$0	\$1.097B	\$0	Bipartisan Infrastructure Law (2022)
FY24 J Sheet, Total Estimated SFER Programmed Construction Cost \$ 23,617,006,000				
Central and Southern Florida Resiliency Study (Section 216)	\$425*	\$0	\$0	FY24 President's Budget
Comprehensive Central and Southern Florida Resilience Study (WRDA22)	\$0	\$0	\$0	New authority in WRDA22



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SFER PROGRAM



Accomplishments Since 2000

Planning:

- Creation of governance structure, including the South Florida Ecosystem Restoration Task Force
- Established Science program through RECOVER; and system-wide monitoring program through the Adaptive Assessment & Monitoring
- Authorization of 15+ project study reports in WRDAs
- Multiple ongoing studies for remaining CERP components
- Created IDS to guide SFER/CERP implementation

Design & Construction:

- Executed CERP Master Agreement and CERP Design Agreements
- Executed 10+ Project Partnership Agreements for project construction
- Ongoing construction of 10+ SFER/CERP projects
- Construction completion of multiple SFER/CERP components
- Work closely with South Florida Water Management District to construct projects together

Operations & Maintenance (O&M):

- Multiple project components completed and transferred to O&M
- Cost shared 50% Federal / 50% non-Federal
- SFWMD operates and maintains
- System Operating Manuals and Project Operating Manuals guide project operations
- Adaptive Management takes place during operations and adjustments are made, as required



DOING BUSINESS WITH THE CORPS OF ENGINEERS

1. Know the mission and area of responsibility of USACE Districts.
2. Follow the funding.
3. Websites/social media – get smart on: www.SAM.gov, FPDS-NG, District websites, USASpending.gov
4. Take advantage of industry days, site visits, and pre-proposals (free marketing).
5. Build relationships. Focus on relationships with the right people.
6. Familiarize yourself with DoD contracting regulations and procedures.
7. Consider Subcontracting opportunities.



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JACKSONVILLE DISTRICT SMALL BUSINESS WEBSITE





Jacksonville District Small Business Office



The Jacksonville Small Business Office develops small businesses and maximizes their opportunities to participate in Corps procurements, ensuring a broad base of capable suppliers to support the Corps' mission and strengthen the nation's economic development. The Small Business Program seeks Women Owned, 8(a), Historically Underutilized Business Zone Empowerment (HubZone) and Service-Disabled Veteran-Owned businesses, as well as Historical Black Colleges and Universities, and Minority Institutions that are interested in doing business with the federal government.

Contact Us

Deputy, Small Business Programs
Kimberly S. Daniel-Ray

Small Business Office Phone:
904-577-3079

Small Business Email Address
SAJ-SB@usace.army.mil

Business With Us Links

- SAD Small Business Website
- USACE Small Business Website
- Doing Business with USACE Districts
- Contracting in Puerto Rico
- What Small Businesses Need to Know
- Contract Security Requirements
- Small Business Basics
- Subcontracting Resources
- USACE Customer Outreach/Events
- Federal Business Opportunities
- Other Service Contracts
- Small Business Office

Hurricane Response Opportunities

[Hurricane Relief contractors contact information](#)

Contractors Seeking Work

- The U.S. Army Corps of Engineers, Jacksonville District, is working with the full range of federal, state and local partners in response to Hurricane Fiona and the restoration work that will be required in its aftermath.
- Businesses and individual contractors interested in doing business with the U.S. Army Corps of Engineers should take the first step of registering with the System for Award Management (SAM)



Forecast



Click photo or link to view upcoming Forecast.

Program Overview



Click to view Program Overview

Upcoming Events



Click to view Small Business Upcoming Events

Contract Awards-Subcontracting Opportunities



Top 10 NAICS Codes Awarded Contracts in FY22

Rank	NAICS	FY22 - NAICS Description	Actions	Dollars	% Dollars
1	237990	OTHER HEAVY AND CIVIL ENGINEERING CONSTRUCTION	369	\$427,809,710	53.24%
2	236220	COMMERCIAL AND INSTITUTIONAL BUILDING CONSTRUCTION	15	\$312,580,468	39.90%
3	562910	REMEDIATION SERVICES	31	\$10,862,604	1.36%
4	541330	ENGINEERING SERVICES	171	\$9,954,980	1.24%
5	236115	NEW SINGLE-FAMILY HOUSING CONSTRUCTION (EXCEPT FOR SALE BUILDERS)	5	\$7,777,200	0.97%
6	541990	ALL OTHER PROFESSIONAL, SCIENTIFIC, AND TECHNICAL SERVICES	13	\$7,772,076	0.97%
7	562111	SOLID WASTE COLLECTION	2	\$5,602,191	0.70%
8	561210	FACILITIES SUPPORT SERVICES	20	\$4,978,695	0.62%
9	541620	ENVIRONMENTAL CONSULTING SERVICES	49	\$4,964,764	0.62%
10	541370	SURVEYING AND MAPPING (EXCEPT GEOPHYSICAL) SERVICES	154	\$4,482,895	0.56%

Search our Website to see:

- ☐ Forecast
- ☐ Program Overview
- ☐ Upcoming Events
- ☐ Contracts Awards-Subcontracting Opportunities
- ☐ Additional Resources

Website Link:

<https://www.saj.usace.army.mil/SmallBusiness/>





JACKSONVILLE DISTRICT OFFICE OF SMALL BUSINESS PROGRAMS



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FOR MORE INFORMATION

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<http://www.saj.usace.army.mil/>

Deputy, Office of Small Business Programs

(904) 232-1150

On Facebook www.facebook.com/JacksonvilleDistrict

On YouTube! www.youtube.com/JaxStrong

On Twitter www.twitter.com/JaxStrong

On Flickr www.flickr.com/photos/jaxstrong

Useful Restoration Sites:

www.evergladesrestoration.gov

www.sfwmd.gov



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WE ARE HIRING!

Join the Jacksonville District Team



Seeking to fill multiple positions:

Biologist, Physical Scientist, Program Analyst, Engineers, Geologist, Chemist, Landscape Architect and many more.

Scan the QR Code



Or visit

www.saj.usace.army.mil/NowHiring

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**Presented by: Howie Gonzales, Deputy for Programs and Project Management
U.S. Army Corps of Engineers, Jacksonville District
20 March 2024**



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