

South Florida Ecosystem Restoration Task Force

Coordinating and Tracking Success

Restoring America's Everglades

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South Florida Ecosystem Restoration Task Force

(Name of Presenter)

**South Florida Ecosystem Restoration
Working Group**



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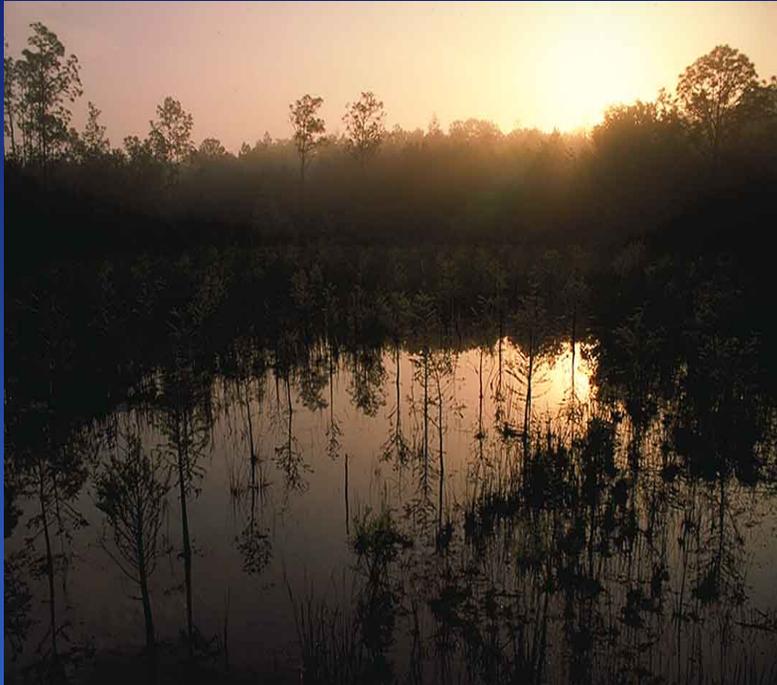
Topics

- **Background and Overview of Ecosystem**
- **Task Force – Local, State, Tribal, and Federal Partners in Restoration**
- **Strategic Plan – 3 Goals**
- **County Specific Information**



South Florida Ecosystem Restoration Task Force

Restoring America's Everglades

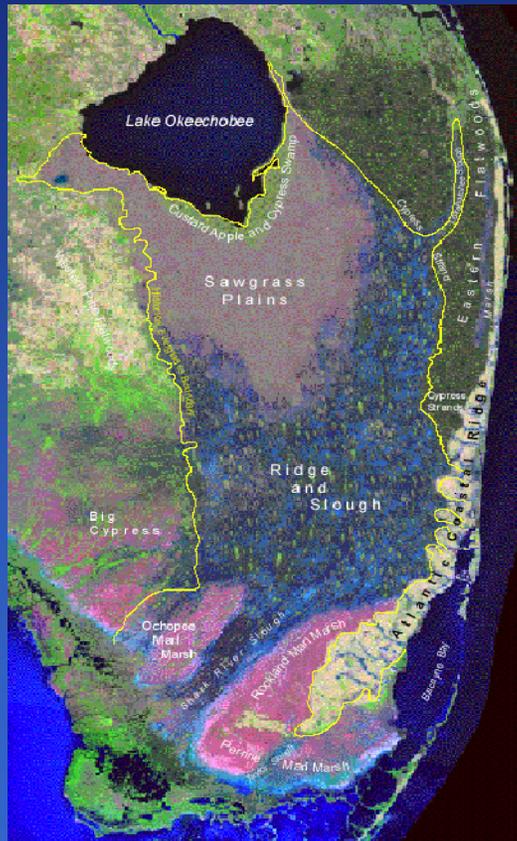


Background & Overview

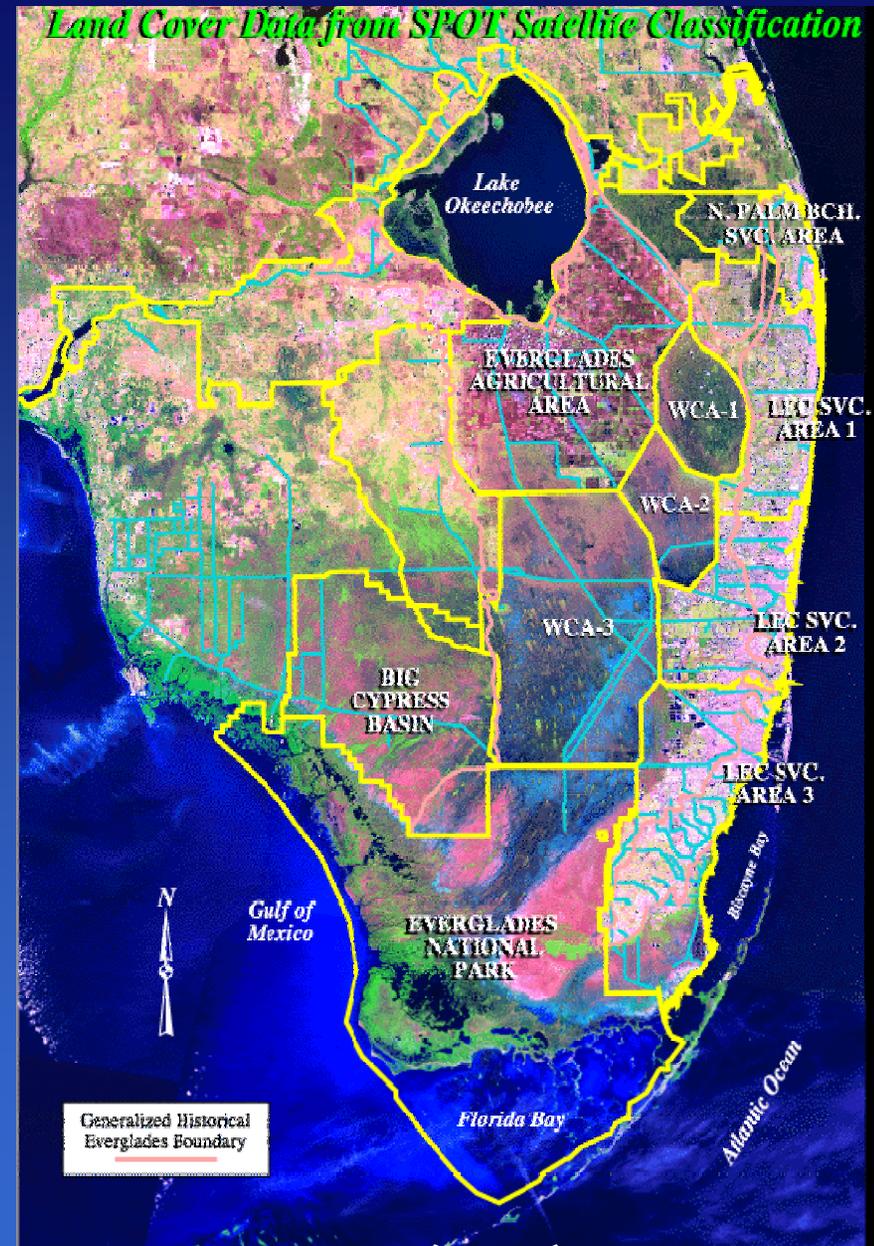


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From a free flowing watershed to a compartmentalized managed system

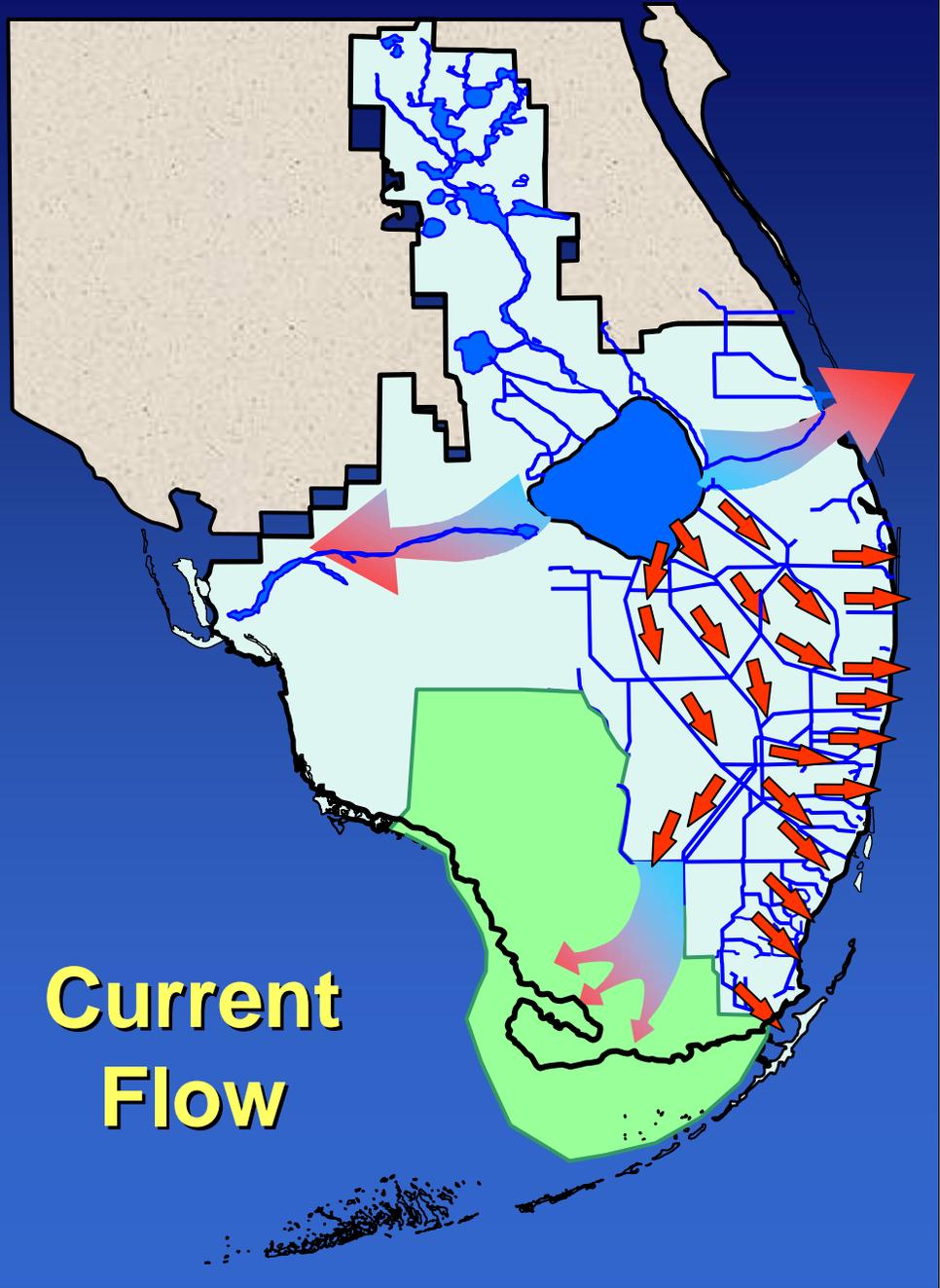
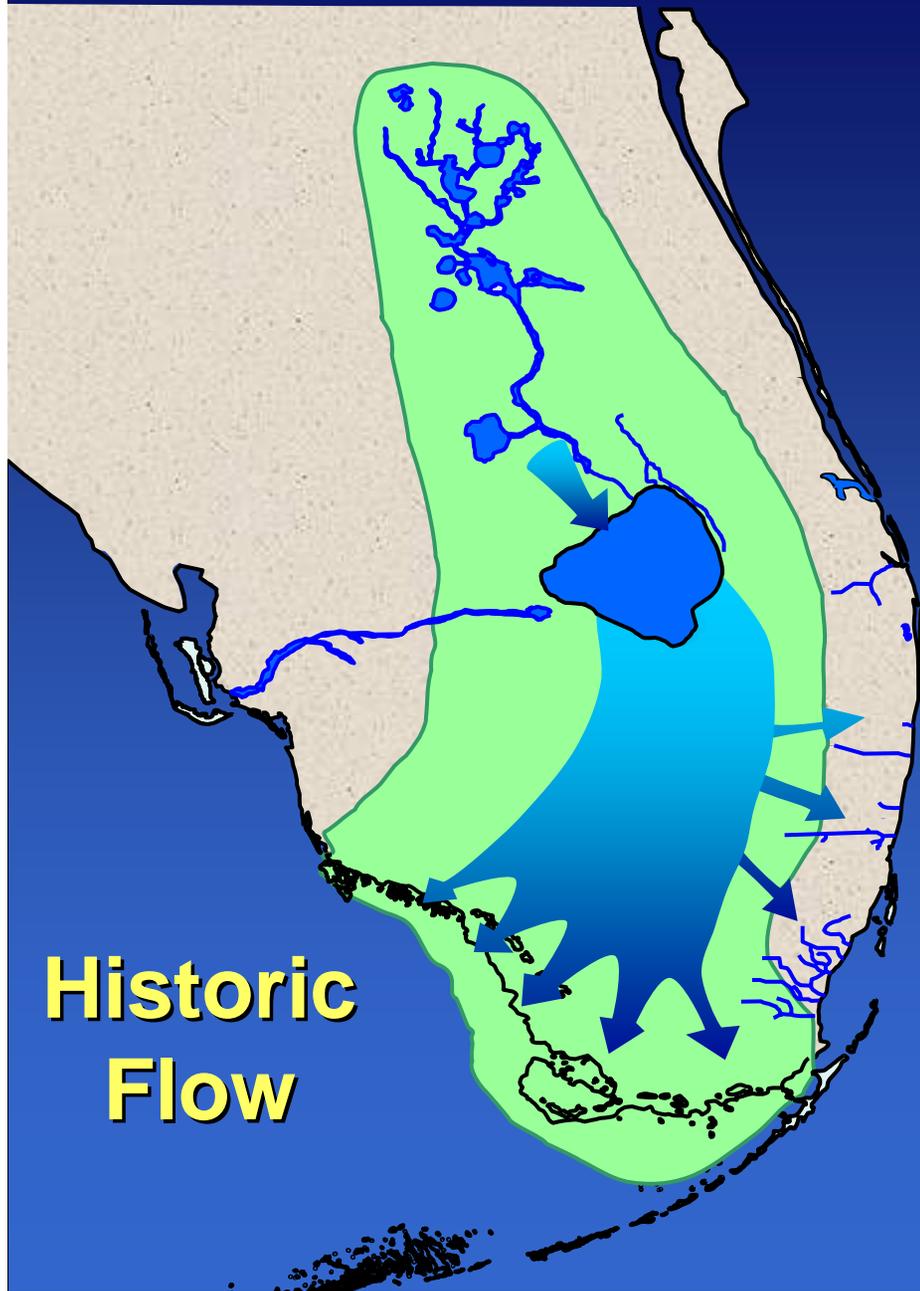


Estimated Pre-drainage System Landscape (circa 1850)



Current System (1995) Landscape

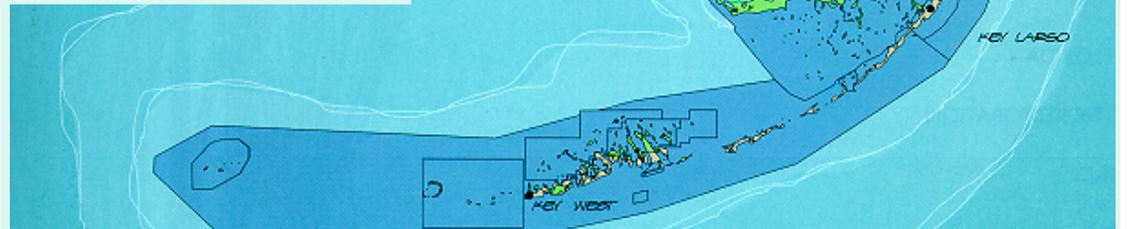
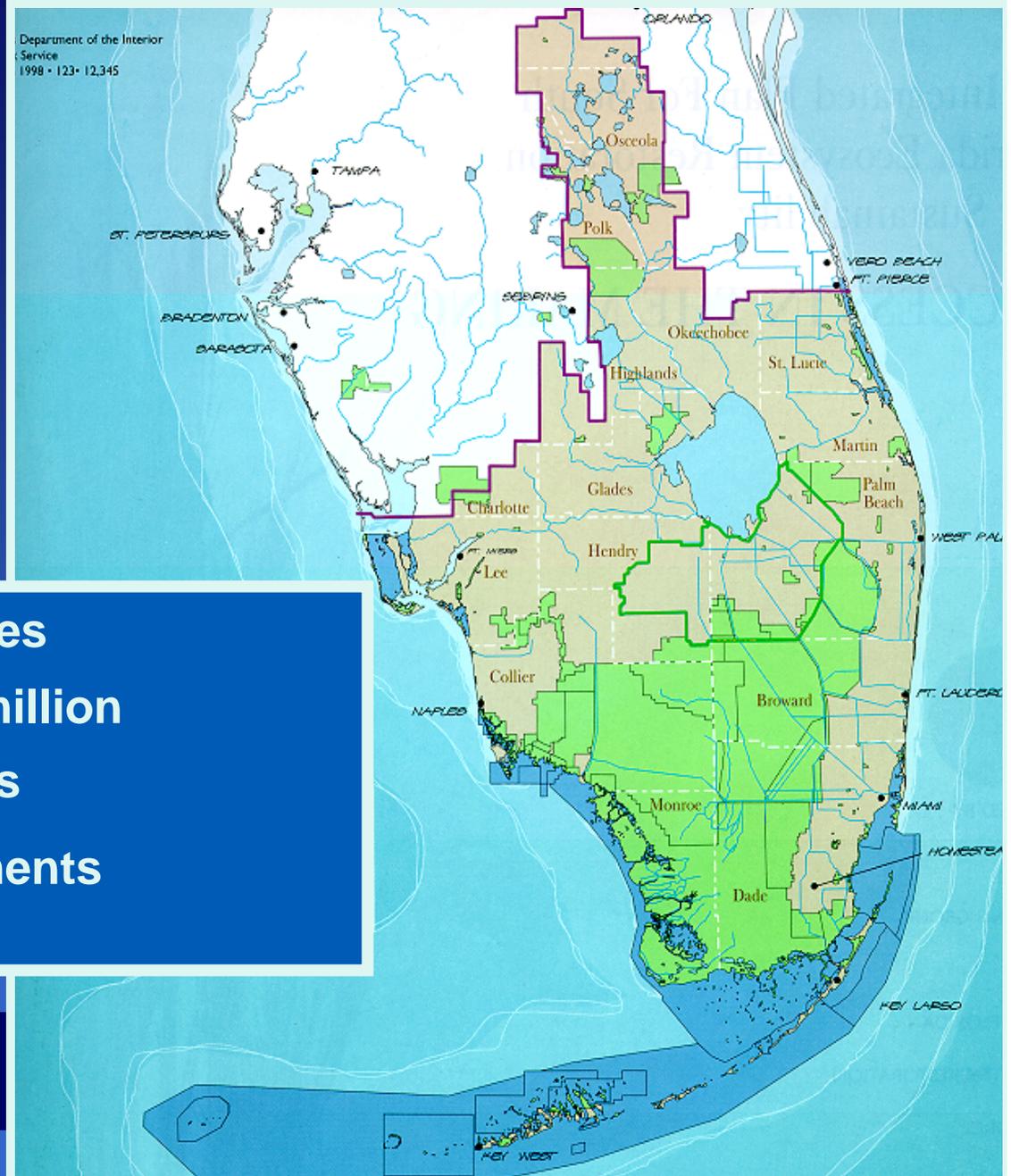
Impacts of a changed system: natural to managed



South Florida Ecosystem Restoration Task Force

South Florida Ecosystem

- Area - 18,000 square miles
- Population today ~ 6+ million
- All or part of 16 counties
- 139 municipal governments



South Florida Ecosystem Restoration Task Force

South Florida Ecosystem Restoration Task Force & Working Group



WRDA 1996

Partners in Everglades Restoration



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The Task Force

WRDA 1996 Created the Task Force

Duties:

- Intergovernmental coordination
- Cooperative & integrated planning and science
- Conflict resolution
- Reporting restoration progress

Members:

- 2 local governments,
- 7 state agencies,
- 2 Indian Tribes,
- 7 federal agencies



The Task Force Established a Florida-based Working Group and Science Coordination Group to:

- Coordinate research
- Provide assistance and support for restoration activities
- Facilitate and coordinate multi-agency reporting efforts including but not limited to:
 - biennial report on progress, and
 - strategic plan for restoration
- Provide a regular forum for coordination and information sharing



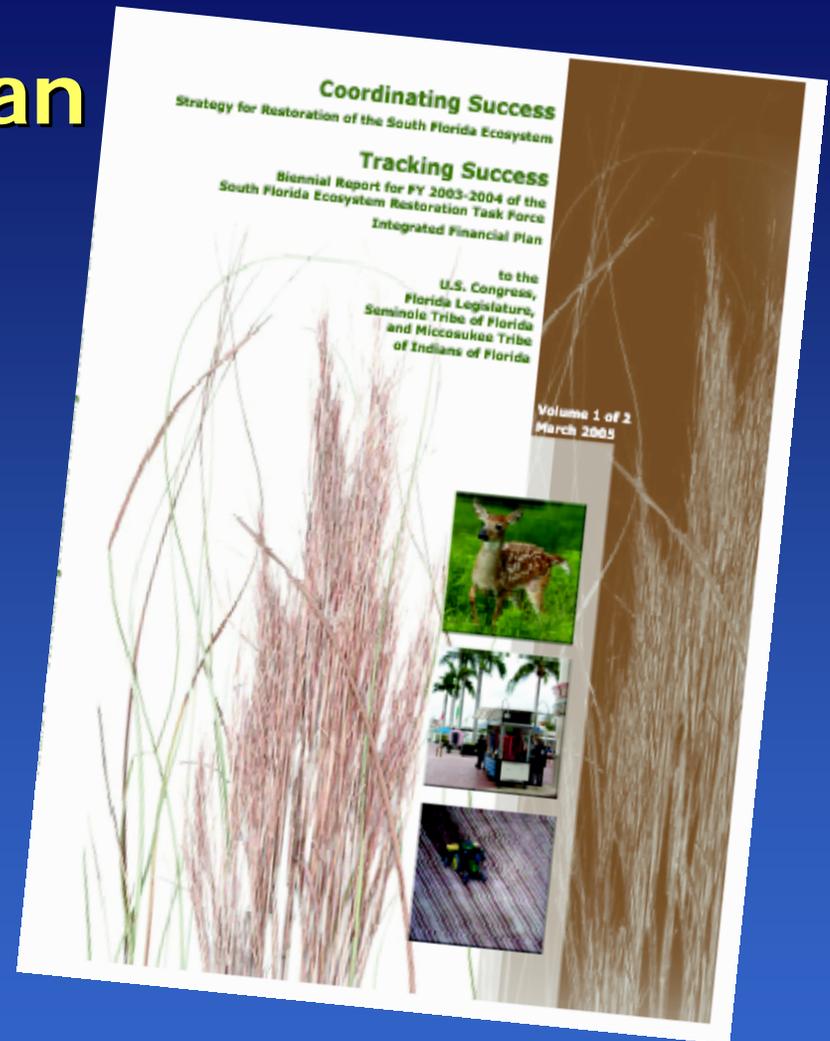
Task Force Strategic Plan for Restoration

3 Broad Restoration Goals

Goal 1 *Get the Water Right*

Goal 2 *Restore, Preserve, and
Protect Natural Habitats and
Species*

Goal 3 *Foster Compatibility of
the Built and Natural
System*



Goal 1

Getting the Water Right...

- ***Get the Hydrology Right***
 - Provide 1.3 million acre-feet of surface water storage by 2036
 - Develop ASR systems capable of storing 1.6 billion gallons per day by 2028
- ***Get the Water Quality Right***
 - Construct 69,000 acres of stormwater treatment areas by 2035
 - Modify 335 miles of impediments to flow by 2019



Goal 2

Restore Preserve, and Protect Natural Habitats and Species

Restore, preserve, and protect natural habitats

- Complete acquisition of 5.8 million acres of land identified for habitat protection by 2015
- Protect 20% of coral reefs by 2010
- Improve habitat quality for 2.4 million acres of natural areas in South Florida
- ***Control Invasive Exotic Plants***



Goal 3

Foster Compatibility of the Built and Natural Systems

- *Use and manage land in a manner compatible with ecosystem restoration*
- *Maintain or improve flood protection in a manner compatible with ecosystem restoration*
- *Provide sufficient water resources for built and natural systems*



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(county specific information example)

Miami-Dade County



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Restoration Projects in Miami-Dade

(A few examples not a complete list)

- C-111 Spreader Canal
- Modified Water Deliveries to ENP
- Biscayne Bay Coastal Wetlands (CERP)
- Decompartmentalization of Water Conservation Area 3 (Decomp) (CERP)

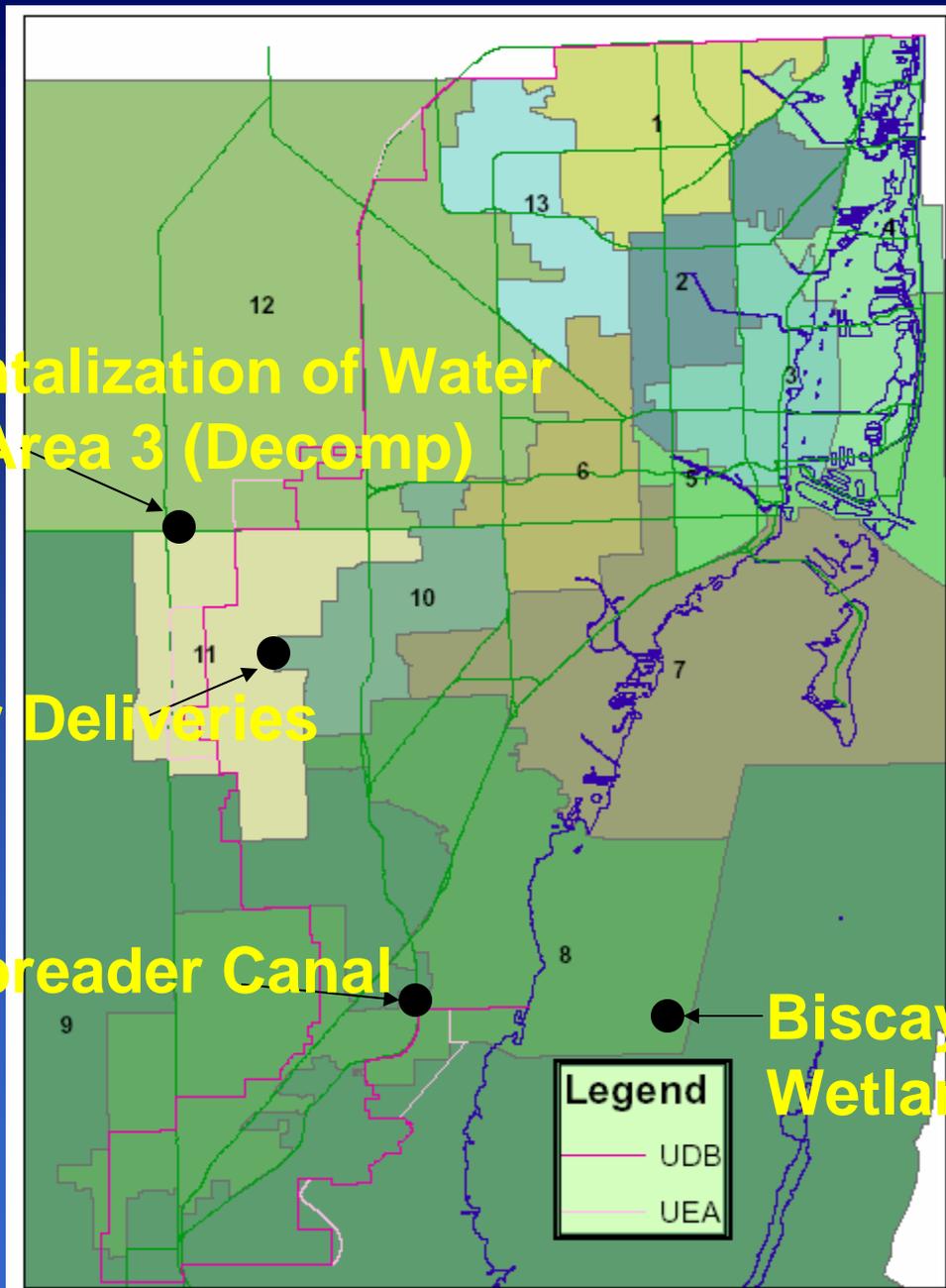


Decomartmentalization of Water Conservation Area 3 (Decomp)

Modified Water Deliveries

C-111 Spreader Canal

Biscayne Coastal Wetlands



Miami Dade County

C-111 Spreader Canal

Purpose

- Re-hydrate the Model Lands
- Establish sheet flow and hydrologic patterns that will sustain ecosystems in the Southern Glades and Model Lands
- Provide more natural sheet flow to Florida Bay
- Maintain some level of flood protection for agricultural and urban areas in the project area



C-111 Spreader Canal

Features:

Current plan will alter the 1994 design for the C-111 project by adding the following:

- Constructing a 3,200 acre STA
- Enlarging pump station S-332E from 50 cfs to 500 cfs
- Extending the spreader canal about 2 miles under US 1 and Card Sound Road to Model Lands
- Installing culverts under US1 and Card Sound Road.
- The project will also fill in the southern reach of the C-111 canal below C-111 Spreader Canal to S-197, remove S-18C and S-197 and backfill C-110.



C-111 Spreader Canal

Status:

To date three interim pump stations and one permanent pump station have been completed, along with construction of three detention areas, replacement of the Taylor Slough Bridge, and removal of Spoil Mounds along lower C-111. Modifications to the C-111.

A PIR is currently being developed.



Modified Water Deliveries

Purpose:

Project will enable water deliveries for the restoration of more natural hydrologic conditions in ENP.



Modified Water Deliveries

Features:

- Mitigation features: Osceola Camp, Tigertail Camp, 8.5 SMA
- Seepage control features: L-31 N(S-356)
- Conveyance features: Tamiami Trail, L-67 extension, L-67 A and C, L-29 (S-355 A and B)



Modified Water Deliveries

Status:

- Constructed S-355 A and S-355 B in L-29
- Raised Tigertail Camp
- Degraded lower 4 miles of the L-67 Extension Canal and Levee
- Constructed Interim S-356 Pump Station for seepage control
- Contract awarded in Sept 05 for construction of Alt 6D for the 8.5 SMA
- Final RGRR/SEIS for Tamiami Trail Modifications



CERP Projects

- Biscayne Bay Coastal Wetlands
- Decompartmentalization of Water Conservation Area 3 (Decomp)



Biscayne Bay Coastal Wetlands

Purpose:

Project will expand and restore the wetlands adjacent to Biscayne Bay and help restore the ecological health of Biscayne National Park.

Features:

This project has five sub-components located in southeast Miami-Dade County. The five sub-components are:

1) Deering Estate Flow way, 2) Cutler Wetlands, 3) L-31 East Flow way, 4) North Canal Flow way and 5) Barnes Sound Wetlands.



Biscayne Bay Coastal Wetlands

Status:

- The PIR is underway. An alternative plan is being analyzed by USACE.
- The TSP is expected in Spring 2006.
- SFWMD through Acceler8 is advancing the design and construction of Phase 1.



Decomartmentalization of Water Conservation Area 3 (Decomp)

Purpose:

This project will restore sheet flow and re-establish the ecological and hydrological connections between WCA 3A and WCA 3B, Everglades National Park, and Big Cypress National Preserve.



Decomartmentalization of Water Conservation Area 3 (Decomp)

Features:

The project includes raising and bridging portions of the Tamiami Trail and filling in portions of the Miami Canal within WCA-3. Due to the dependencies of project components, this project will be implemented with the Water Preserve Areas Project, which will create a bypass for water supply deliveries to the Miami Canal using the North New River Canal.



To learn more:

www.sfrestore.org

www.evergladesplan.org

www.evergladesnow.org

