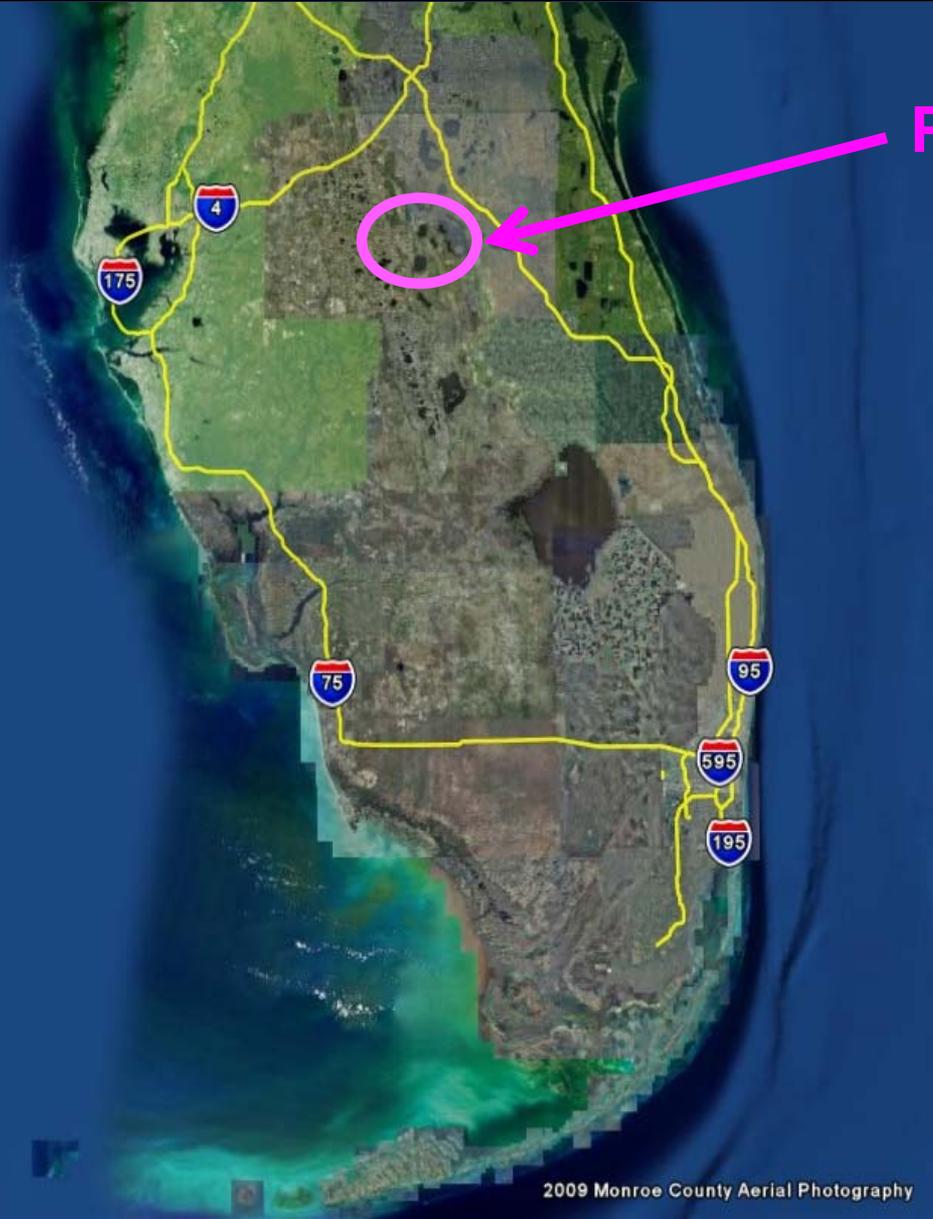


Rolling Meadows Wetland Restoration *December 14, 2009*

WRAC Recreation Issues Workshop

*Maura Merkal, Lead Project Manager
Project Coordination Division*





Project Location

2009 Monroe County Aerial Photography





Lake Hatchineha

C-37

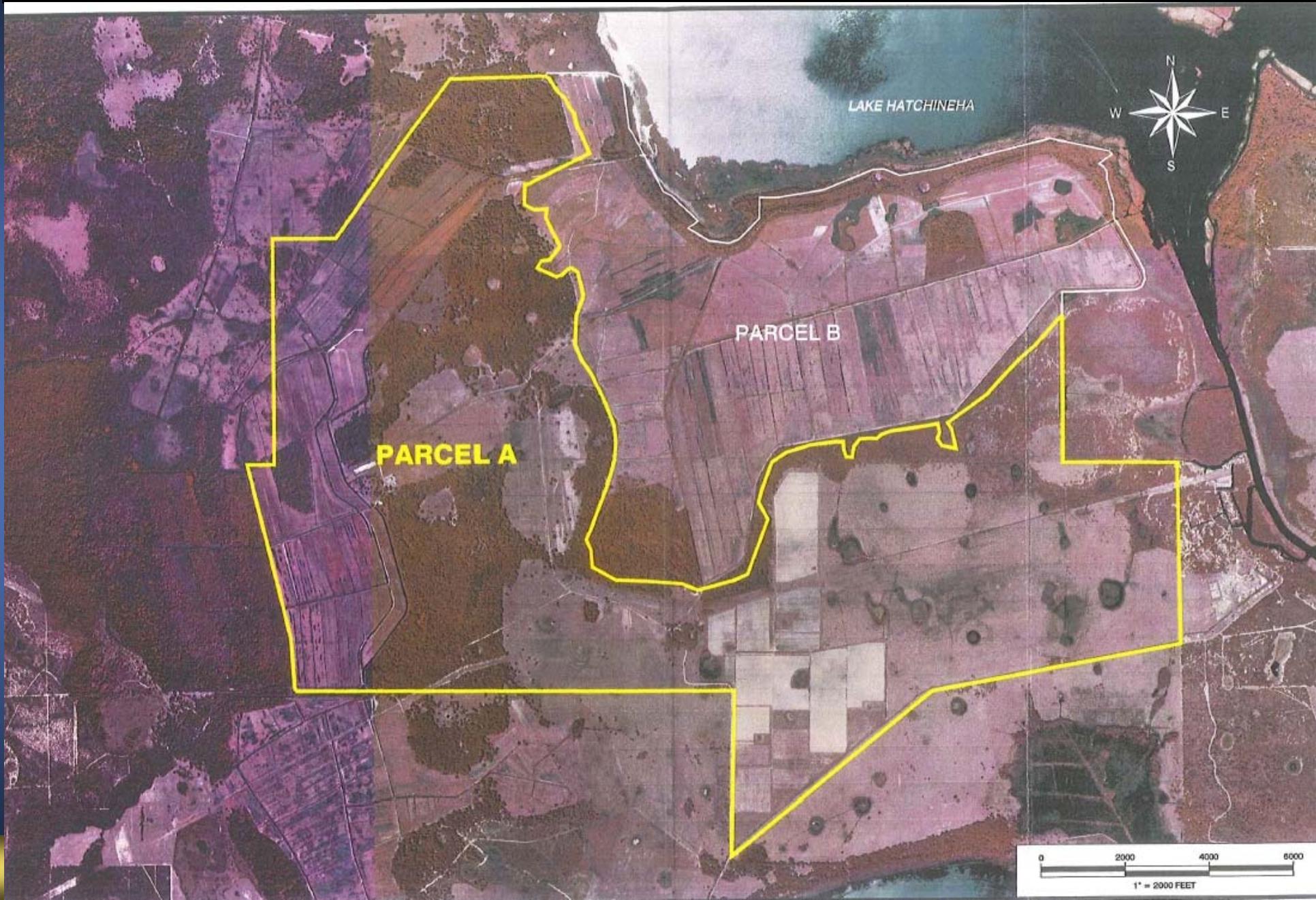
18121-001

SOUTH FLORIDA WATER MANAGEMENT DISTRICT



Allen David Broussard Cattfish Creek Preserve State Park

SOUTH FLORIDA WATER MANAGEMENT DISTRICT



Background

- Purchased in 2002 for Kissimmee River Headwaters Revitalization
- Joint with State of Florida - 5788 acres
 - South Florida Water Management District (SFWMD) management - 1972 acres
 - Florida Department of Environmental Protection (DEP) management - 3816 acres
- Used for the following agricultural purposes:
 - Vegetables/sod/pasture
 - Ditched/drained/bermed/dewatered



Restoration Plan

- Restore hydrology of property as close to historic as possible in accordance with acquisition objectives and subject to legal constraints



Interagency Coordination

- Florida Department of Environmental Protection (FDEP)
 - State Parks
 - Regulatory
- US Army Corps of Engineers (USACE)
 - Regulatory
 - Kissimmee River Restoration
- Florida Fish and Wildlife Conservation Commission (FFWCC)
- US Fish and Wildlife Service (USFWS)



Existing Information

- Topography
- Soils
- Historic water levels in Lake Hatchineha
- Existing Lake Hatchineha regulation schedule
- Future regulation schedule
- Historic Catfish creek aerials
- Catfish Creek flow
- Existing infrastructure assessment
- Contamination assessments
- Legal constraints



SOUTH FLORIDA WATER MANAGEMENT DISTRICT



LAKE HATCHINEHA

CTU - 3B-82

CTU - 4B-18

CTU - 3B-81

CTU - 3B-11

CTU - 4B-19

CTU - 3B-80

CTU - 3B-12

CTU - 4B-20

CTU - 3B-79

CTU - 4B-21

CTU - 3B-13

CTU - 4B-22

CTU - 3B-78

CTU - 3B-14

CTU - 3B-77

SOUTH FLORIDA WATER MANAGEMENT DISTRICT









Lake Hatchineha



Phase I:

Berm degradation location options



7366 ft

2008 Polk County Aerial Photography

Streaming 100%

© 2007 Google™

Eye all 25486

Pointer 27°59'36.68" N 81°25'32.00" W

Collier Farm

Camp Mack

Bruce Hester
Howard Lee

Park

Phase I :

Berm degradation location options



Pointer 27°59'36.68" N 81°25'32.00" W
7366 ft

2008 Polk County Aerial Photography
Streaming 100%

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Eye alt 25486 ft



Apparent
historic
Catfish
Creek

Diverted creek channel

Bruce Hester
Howard Lee
Sheridan
Park

Collier Farm

Camp Mack

7366 ft

2008 Polk County Aerial Photography

Streaming 100%

© 2007 Google™

Pointer 27°59'36.68" N 81°25'32.00" W

Eye alt 25486

Phase II

Apparent
historic
Catfish
Creek

Diverted creek channel



7366 ft

Pointer 27°59'36.68" N 81°25'32.00" W

2008 Polk County Aerial Photography

Streaming 100%

Collier Farm
Camp Mack

© 2007 Google

Eye all

Restoration Plan

Phase I

- Parcel B - first priority
- Reconnect to Lake Hatchineha
 - Expand lake littoral zone and habitat
 - Increase water volume to flow to Kissimmee River

Phase II

- Parcel A – second priority
- Restore Catfish Creek alignment & flow swath



Next Steps

- FY10 Alternative Selection
 - Modeling
- FY11 Detail Design & Permitting
- FY12 & FY13 Phased Construction



Funding

- Wetland mitigation escrow
- \$5,787,956.27 for restoration



Questions

