

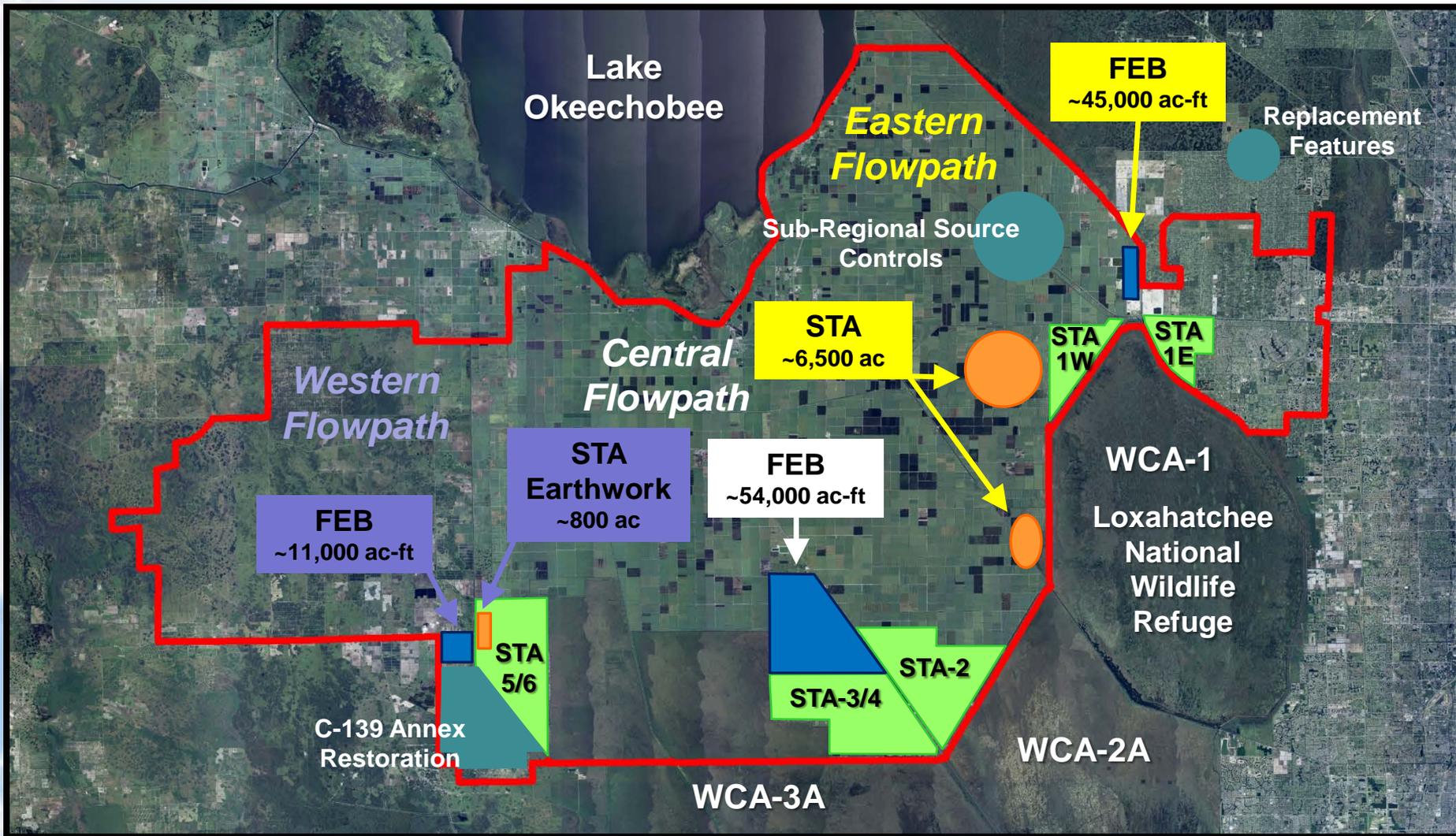
A white egret is captured in mid-flight, its wings fully extended, against a background of lush green vegetation. The bird's long neck is curved forward, and its yellow beak is pointed. The overall scene is bright and natural.

# C-139 Annex Restoration Project

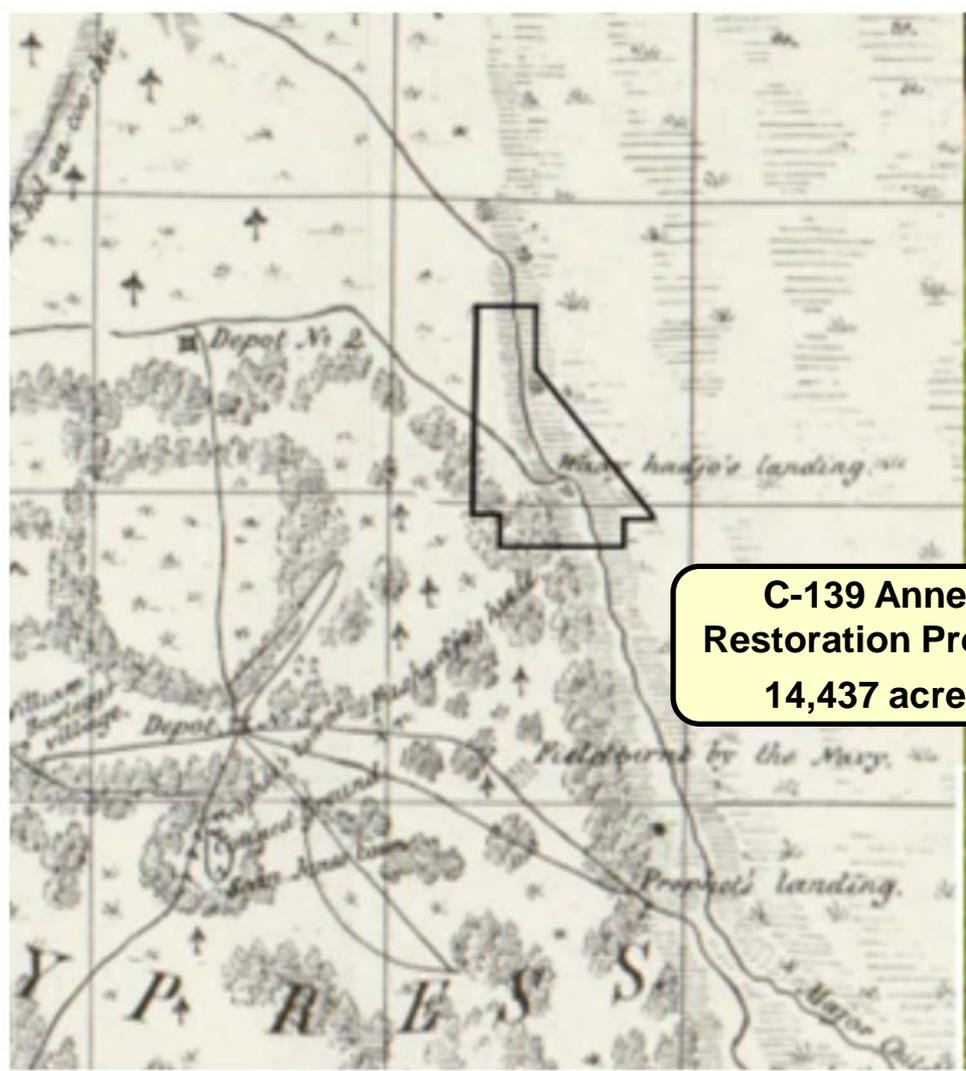
**Project Overview  
Long Term Plan Communications Meeting  
February 26, 2014**

**Terrie Bates, Director  
Water Resources Division**

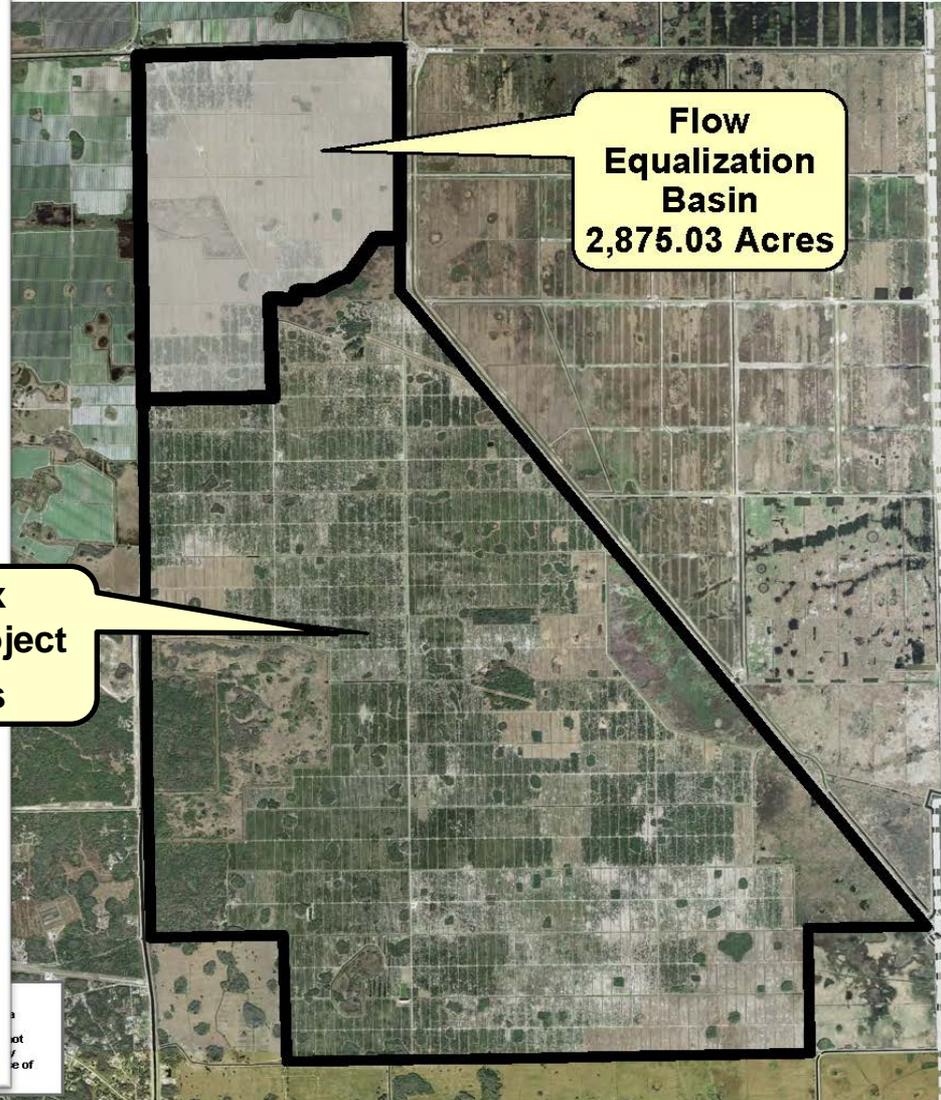
# Restoration Strategies



# C-139 Annex Restoration Project



**C-139 Annex  
Restoration Project  
14,437 acres**



**Flow  
Equalization  
Basin  
2,875.03 Acres**

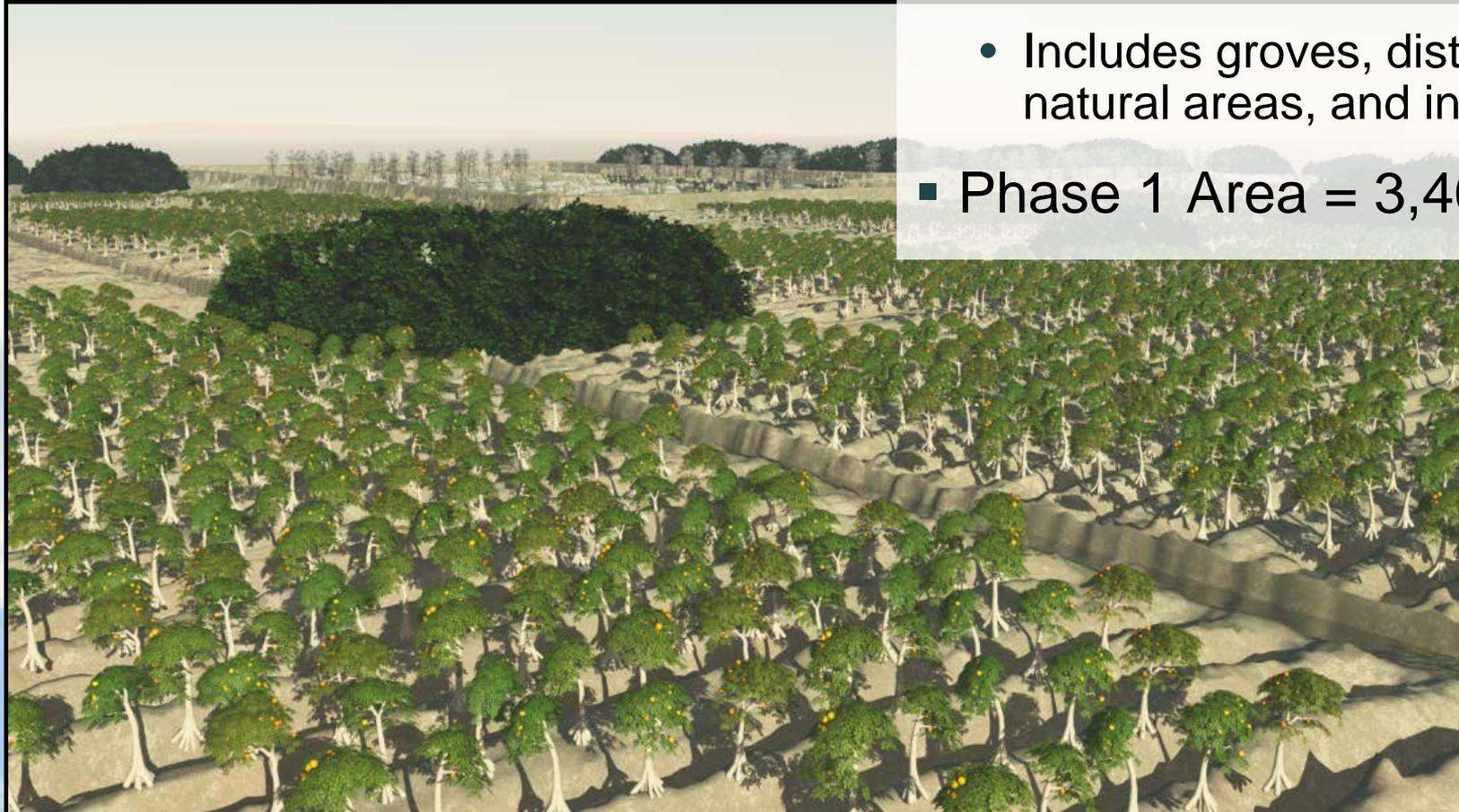
## C-139 Annex Restoration Project Goals

- Restore historic Everglades hydrologic conditions to +14,000 acres of former citrus grove
- Contribute to the improvement of water quality in the Everglades
- Restore historic wetlands and upland habitat
- Expand habitat area for listed plant and animal species
- Promote the restoration of a self-sustaining ecosystem
- Maintain the current level of flood protection for surrounding properties



# Project Summary – Restoration Plan

- Total Area = 14,437 acres
  - Includes groves, disturbed natural areas, and infrastructure
- Phase 1 Area = 3,400 acres



# Project Summary – Restoration Components

- Remove buildings, tanks, solid waste & abandon wells
- Clear citrus trees & level planting beds



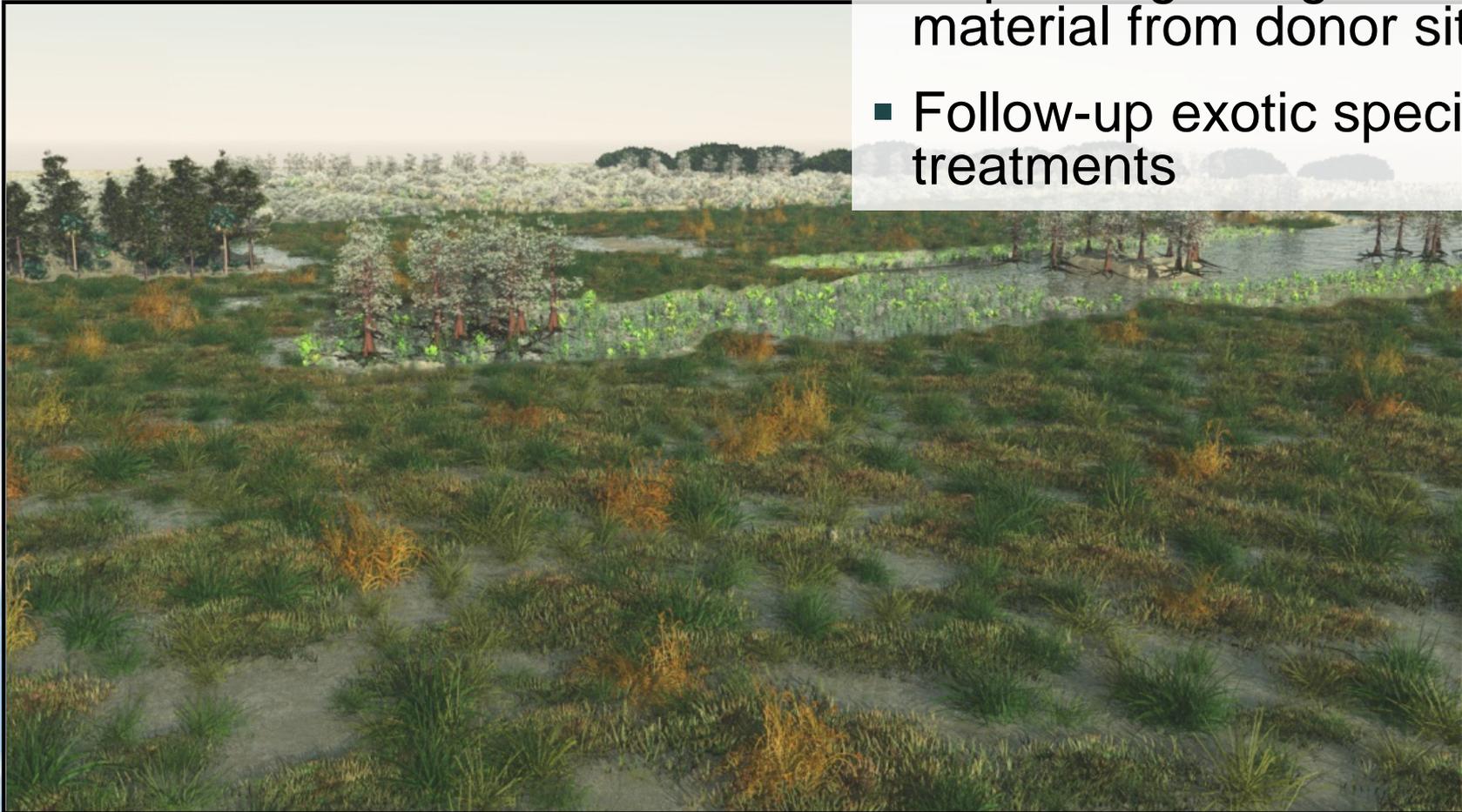
# Project Summary – Restoration Components



- Remove exotic & nuisance vegetation
- Microtopography earthwork interconnecting wetlands
- Backfill canals & degrade roads & levees to restore sheetflow

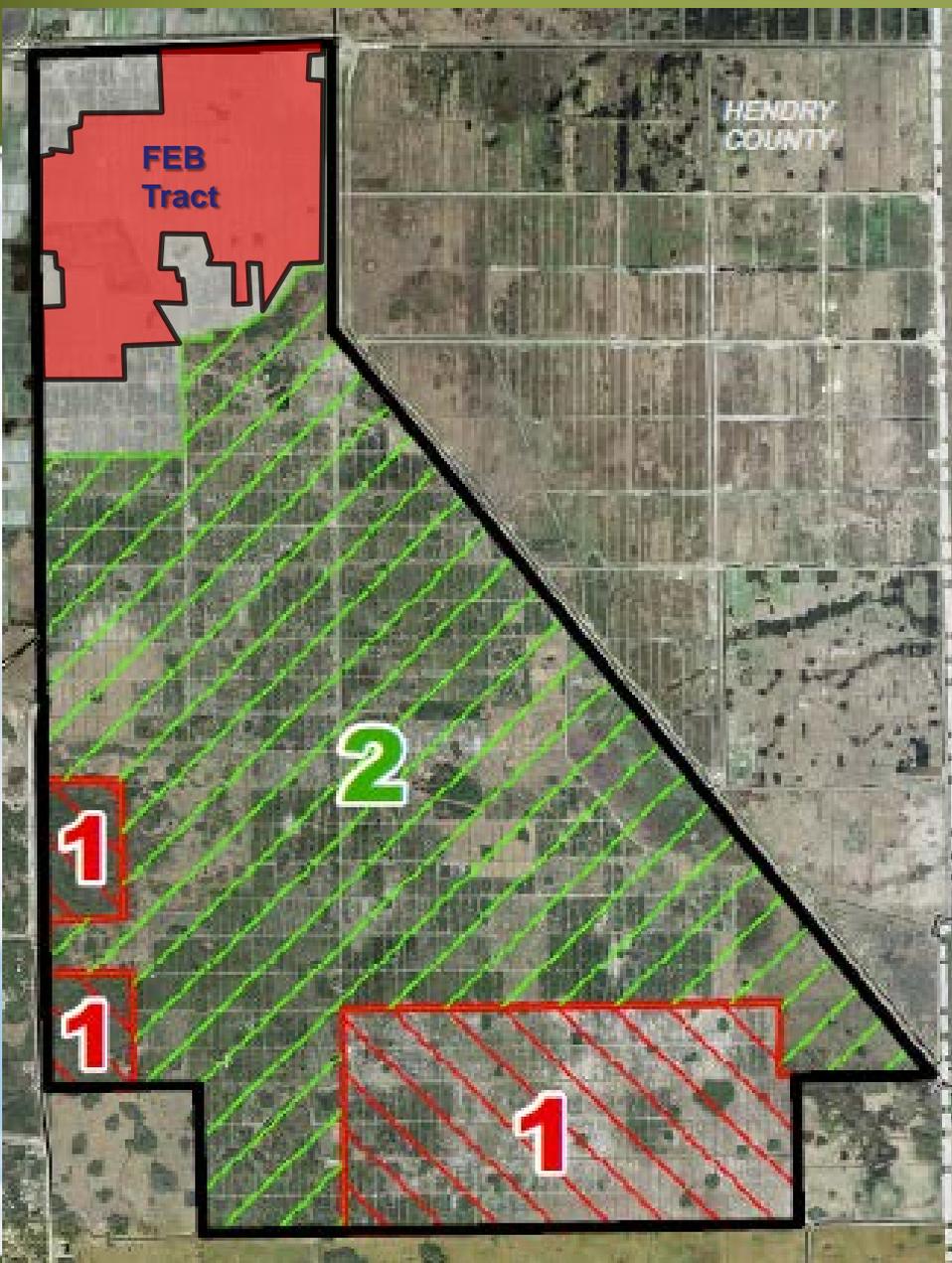
# Project Summary – Restoration Components

- Replanting using harvested material from donor site
- Follow-up exotic species treatments



# Phased Lease Termination

- 2014 - Take down 3,400 acres Phase 1 tracts and ~1,995 acres in the Flow Equalization Basin (FEB) tract
- 2018 – Take down remaining 10,700 acres for Phase 2 and ~1,000 acres of FEB



# Restoration Progress - Detailed Site Assessment

- Site survey
- Geotechnical borings & evaluation
- Groundwater monitoring well installation
- Environmental assessment
- Collaboration with Seminole Tribe of Florida



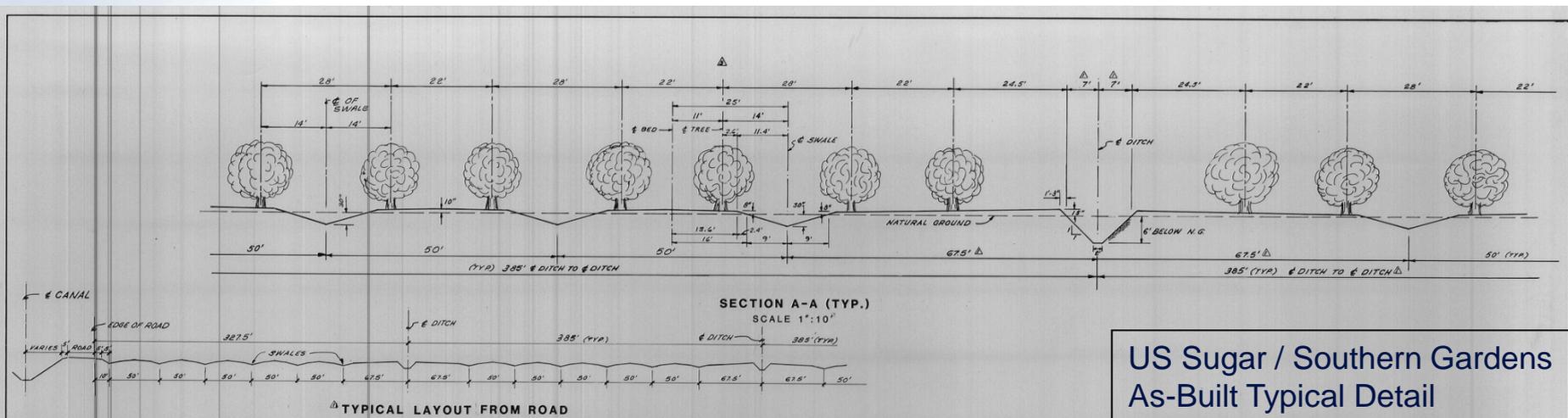
# Restoration Progress - Donor Site

- Establishment of a 20-acre Donor Crop / Nursery site underway in the future FEB
- Donor crop will be expanded in future years to 300-acres
- Vegetation established in this expanding crop will propagate Phase 1 beginning 2015



# Restoration Progress – Design

- Comprehensive design efforts will begin February 2014
- Design will be completed by in-house staff with 30%, 90% and Final submittal milestones
- Permit applications will begin after completion of 30% design package
- Site clearing for each phase will commence upon release of the respective area



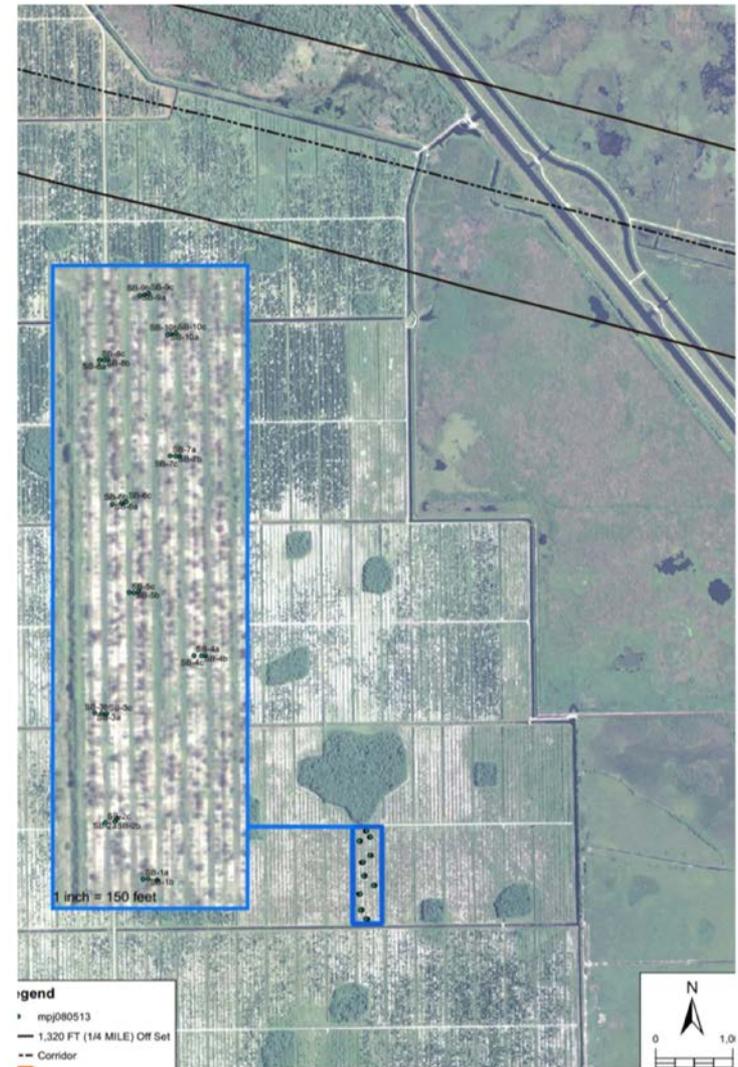
# Restoration Progress - Testing & Remediation

- FPL corridor assessment report (completed 5/16/13). No environmental issues documented within the onsite transmission corridor
- Vertical delineation of copper completed. Copper impacts are limited to 0-12 inches
- Copper pilot study to assess remediation options is underway
- Corrective action associated with Tractor Shed No. 2 underway
- 8 Point source locations onsite
- 1 Point source is located within Phase I



# Restoration Progress - Copper Remediation

- Copper Remediation Pilot Study underway
- Site clearing of vegetation, herbicide application and burning
- Removal of tree roots
- Disking 6" of surface soils
- Removal/scraping of surface soil
- Cap impacted soil within swale
- Site leveling/disking
- Remediation confirmation sampling



# Restoration Progress - Facilities

- Existing houses on-site will be minimally reconditioned
- Houses will be used as Field Offices for Land and Construction Management activities
- Post project completion, these houses can be used for continued Land Management activities and potential FWC Officer housing



# Restoration Project Funding

Land Acquisition - \$114 Million\*

Restoration & Land Mgmt - \$36 Million

- Restoration anticipated to result in +/- 10,000 mitigation credits (*subject to ACOE & DEP permit determinations*)
- Lake Belt Mitigation Committee has conceptually approved \$81 million over 20 years to fund restoration project and +/- 4,000 mitigation credits (full cost accounting)
- Restoration costs “front-loaded”; land cost reimbursement in out-years
- Remainder mitigation for District works



(\* 14,437 acres & associated costs)

# Restoration Project Schedule

C-139 Annex Restoration Project

| Task Name   | Duration  | Start        | Finish       | 2013 |    | 2014 |    | 2015 |    | 2016 |    | 2017 |    | 2018 |    | 2019 |    | 2020 |    | 2021 |
|---|-----------|--------------|--------------|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|
|   |           |              |              | H1   | H2 | H1   |
| REVISED FEASIBILITY STUDY REPORT                                  | 78 days   | Fri 8/17/12  | Tue 12/4/12  |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |
| PROJECT DEFINITION REPORT & SAP PS PROJECT CREATION               | 45 days   | Thu 12/6/12  | Wed 2/6/13   |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |
| SITE INVESTIGATIONS & ANALYSIS                                    | 1715 days | Thu 2/7/13   | Wed 9/4/19   |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |
| PRELIMINARY (30%) DESIGN  | 157 days  | Fri 11/1/13  | Mon 6/9/14   |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |
| FINAL (90%) DESIGN  | 175 days  | Tue 6/10/14  | Mon 2/9/15   |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |
| CORRECTED FINAL (100%) DESIGN                                     | 20 days   | Tue 2/10/15  | Mon 3/5/15   |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |
| LAND MANAGEMENT PRIOR TO PHASE I CONSTRUCTION                     | 565 days  | Wed 5/1/13   | Tue 6/30/15  |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |
| PHASE I - PROCUREMENT & CONSTRUCTION                              | 476 days  | Tue 2/24/15  | Tue 12/20/16 |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |
| FPL Transmission Line Pad / Pole Modifications                    | 365 days  | Wed 12/21/16 | Tue 5/15/18  |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |
| PHASE II LEASE ENDS   | 1 day     | Mon 7/2/18   | Mon 7/2/18   |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |
| LAND MGMT. WORK BEGINNING IMMEDIATELY AFTER END OF PHASE II LEASE | 220 days  | Tue 7/3/18   | Mon 5/6/19   |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |
| PHASE II - PROCUREMENT & CONSTRUCTION                             | 601 days  | Mon 12/3/18  | Mon 3/22/21  |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |
| LAND MGMT. & MONITORING AFTER CONSTRUCTION                        | 3103 days | Mon 1/3/11   | Wed 11/23/22 |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |    |      |

# Restoration Project to be known as the Sam Jones / Abiaki Prairie

## Seminole Tribe of Florida asked to name the project

- Sam Jones / Abiaki was a medicine man and powerful spiritual leader of the Seminole Tribe
- He was a major force of resistance against the U.S. during the Seminole wars of the 1800's; answering no flag of truce, no offer of compromise, no demand of surrender
- When fighting concluded, he was the only major Seminole leader to remain in Florida
- His final camp was in Big Cypress Swamp, not far from the Tribe's Big Cypress Reservation today



# C-139 Annex Restoration Project



Questions?