



**South Florida
Ecosystem
Restoration
Update**



restoration
restoration

Task Force

September 2007

Accomplishments Last 90 Days

Program

- Held Public workshop on Integrated Schedule
- Released Revised Final Draft CERP GMs

HHD

- Toe-Ditch: Completed filling 3.4 miles along Reach 1
- Seepage Berm: Awarded contract and begin construction this week
- Cut-off Wall: Awarded Multiple Award Task Order Contract (MATOC) contract to 3 contractors, 1st Task Order awarded
- HQ risk assessment team began analysis for the Major Rehabilitation Report for Reaches 2 & 3 (MMR)

Accomplishments Last 90 Days (cont'd)

Projects

- Awarded C-111 contract 7 for detention areas; groundbreaking held; construction underway
- Site 1 Final PIR submitted to Congress
- Broward County WPA posted in Federal Register for State and Agency Review
- Completed final Project Implementation Report on C-43 western basin storage; approved by Civil Works Review Board; final EIS posted in Federal Register for State and Agency Review
- Released draft EIS LORRS and Water Control Plan, conducted public workshops
- Conducted public scoping meetings for Decomp Phase I
- Public meeting on Draft Supplemental EIS on Rock Mining in Lake Belt

Accomplishments Expected Next 90 Days

Program

- Initiate 60-day public comment period for GMs
- Continue development of the Integrated Schedule

HHD

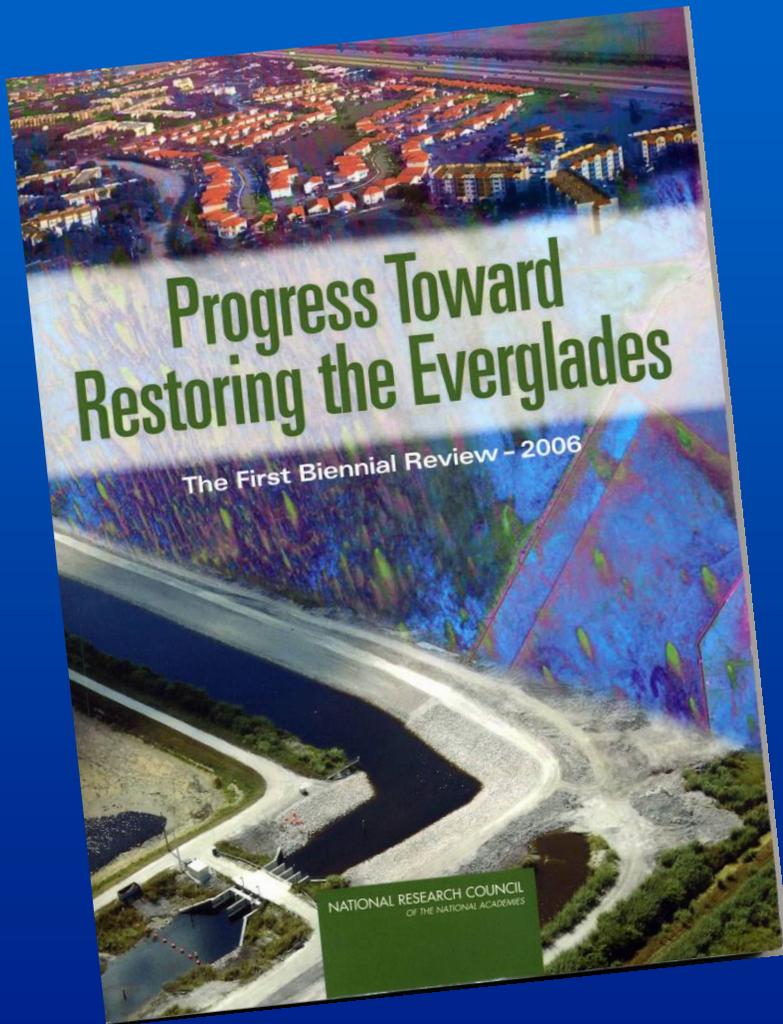
- Landside features: Conduct ITR for Reaches 1A & 1D
- Cut-off wall: Contractor to mobilize and initiate design of test mixes in Reach 1A
- Partnering meeting to discuss options and alternatives for Reaches 2 & 3 in the MMR

Accomplishments Expected Next 90 Days (cont'd)

Projects

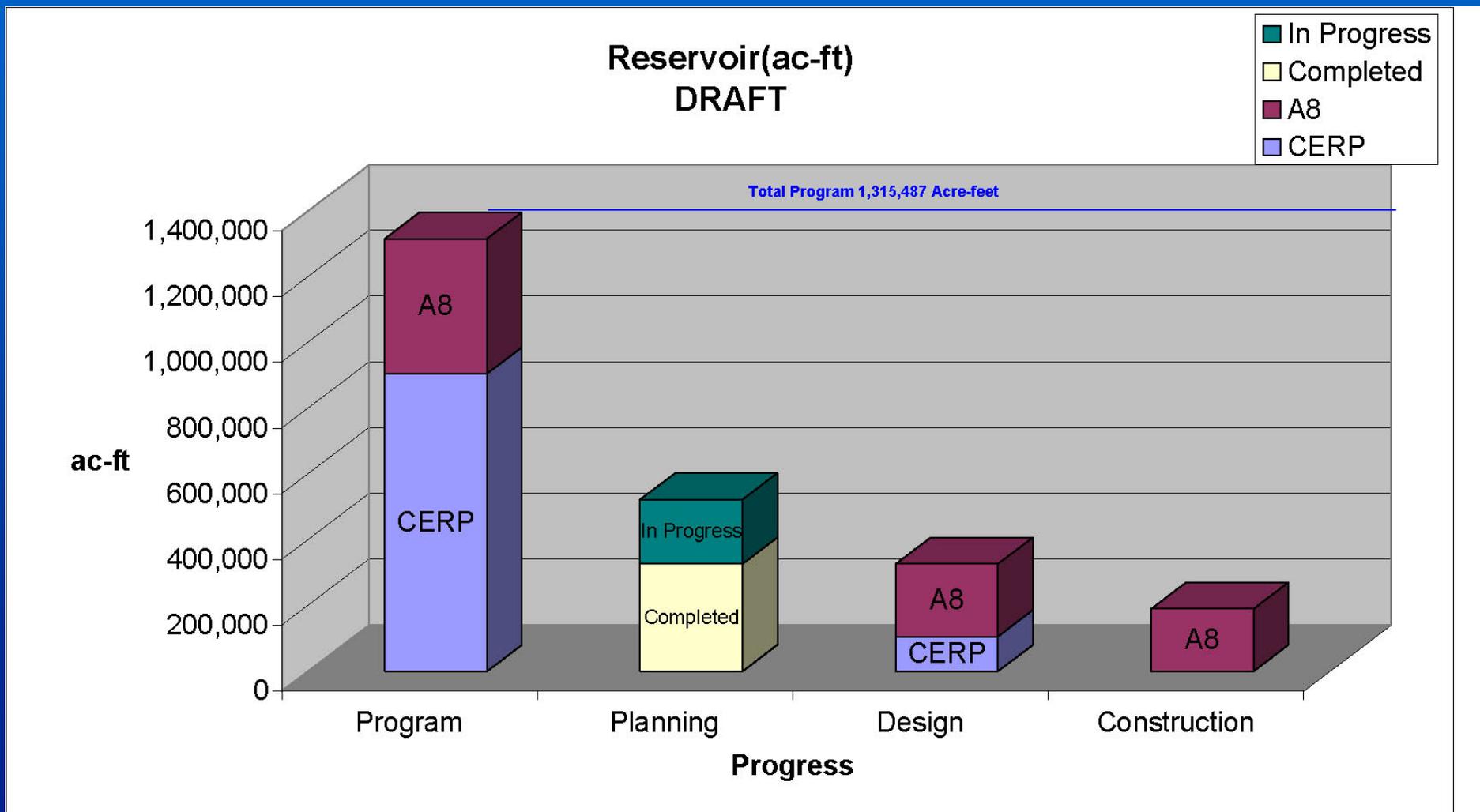
- Release final EIS on LORSS
- Chief of Engineers Report on Broward County WPA
- Chief of Engineers Report on C-43 western basin storage
- Complete L-30 Draft PPDR
- Develop Tentatively Selected Plan for Tamiami Trail (Mod Waters)
- Hold AFB meeting for Biscayne Bay Coastal Wetlands
- Physically complete 8.5 square mile construction
- Physically complete Kissimmee River CNT 6A1A in the Istokpoga Basin
- Complete Installation and Testing at the Kissimmee site for the Lake Okeechobee ASR pilot project

Critical Components of Restoration (per NAS)

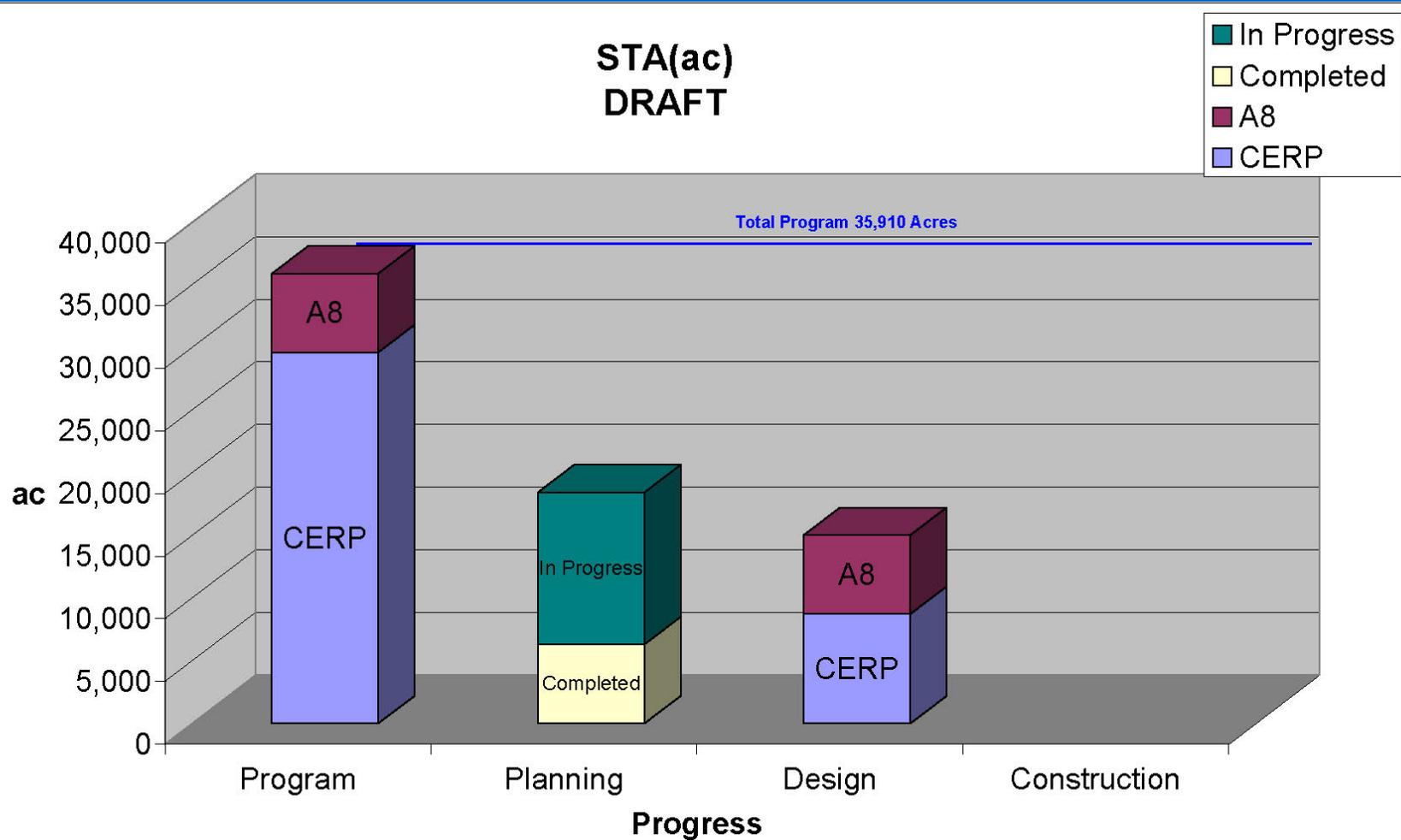


- Sufficient water storage capacity combined with operations
- Deliver and distribute the water to the natural system in a way resembling historical flow patterns
- Barriers to eastward seepage of water
- Methods for securing water quality conditions compatible with restoration
- Retention, improvement, and expansion of full range of habitats

Program Implementation Metrics: Water Storage



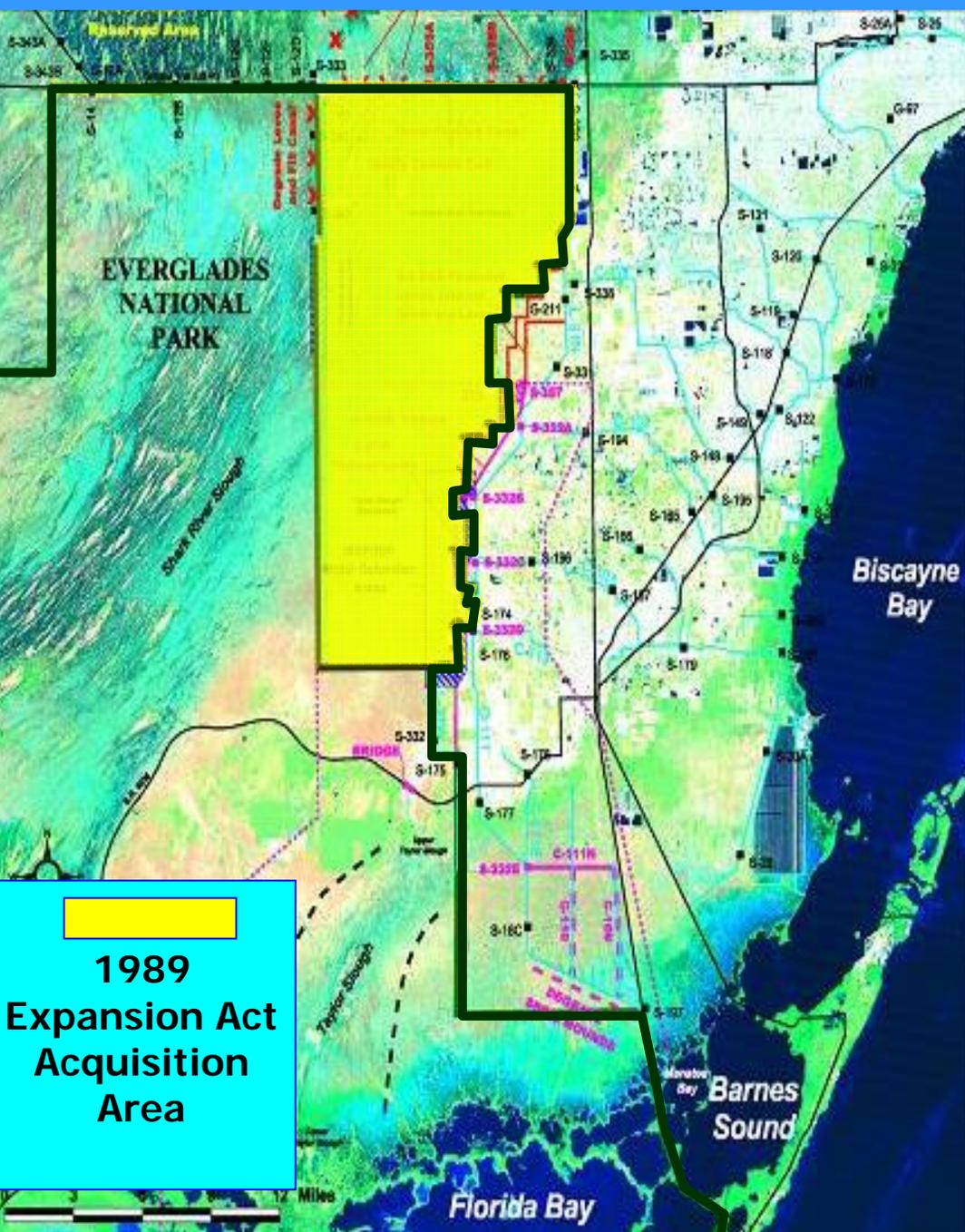
Program Implementation Metrics: Water Quality



Modified Water Deliveries Authorization

The Everglades National Park Protection and Expansion Act of 1989....

- Authorized the acquisition of 109,000 acres
- Authorized modifications “to improve water deliveries into the park and shall, to the extent practicable, take steps to restore the natural hydrologic conditions in the Park”



Modified Water Deliveries Feature Status

Conveyance Features

- **S-355A & S-355B (L-29):** Complete
- **S-333 Mods:** Construction underway
- **L-67 Extension:** 4 of 9 miles complete
- **Tamiami Trail:** Design & RE underway
- **L-67A: S-349s & S-345s:** EDR
- **L-67C: Gaps:** EDR
- **L-29: Weirs:** EDR

Seepage Features

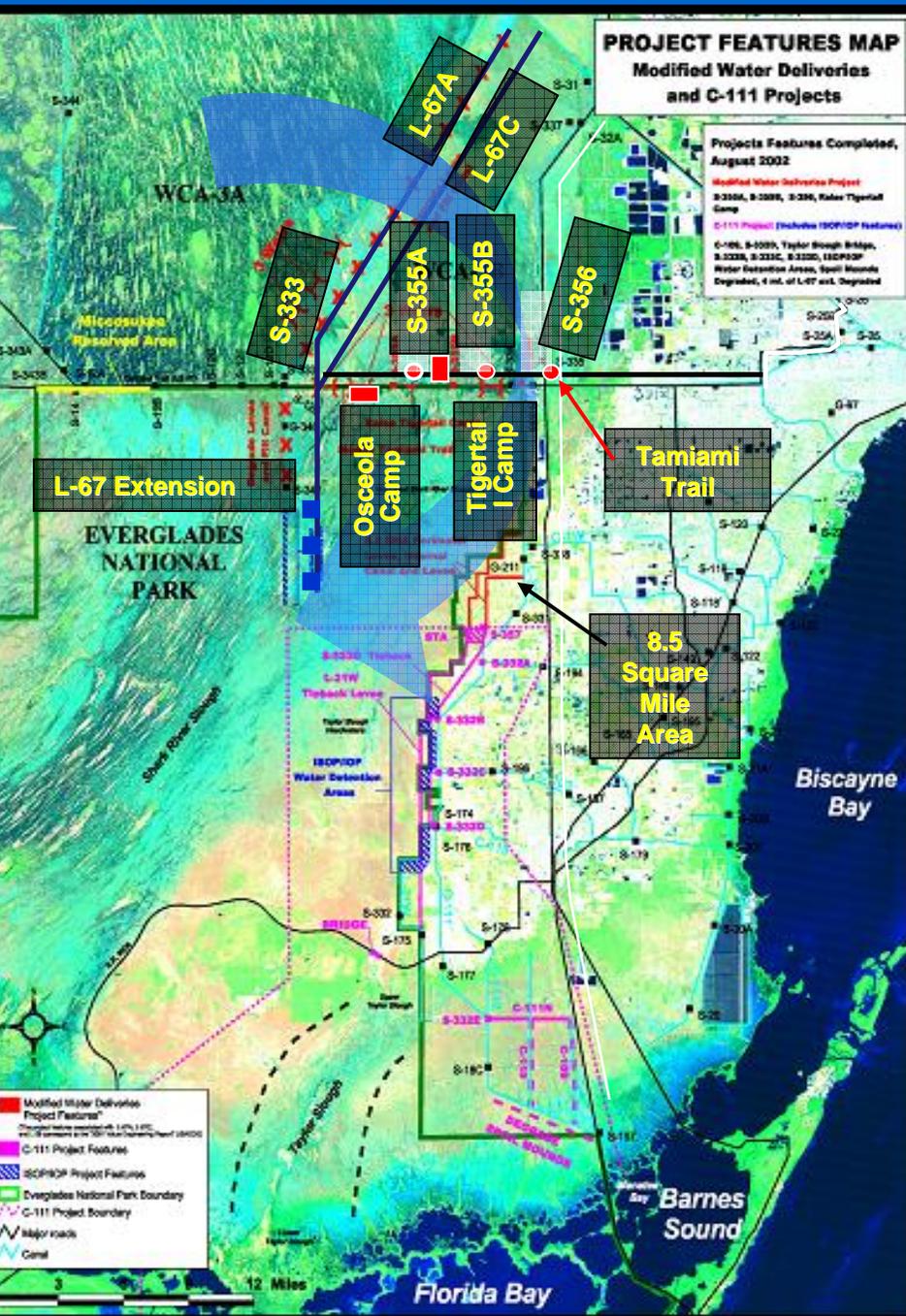
- **S-356 (L-31N):** Complete (Temp)

Mitigation Features

- **8.5 Square Mile Area:** Construction
- **Tigertail Camp:** Complete
- **Osceola Camp:** DOI Negotiations

Other Project Activities

- **CSOP:** On Hold



Tamiami Trail Modifications

Prior Studies

1992 General Design Memorandum

- Contained recommendations for all of the Modified Water Deliveries project features
- Assumed existing culverts under Tamiami Trail sufficient for the increased flow under the road
- Subsequent hydrologic analyses revealed that the high water levels in the L-29 canal would affect the road base and overtop low areas



Tamiami Trail 2003 GRR

Target Flows

2003 GRR established MWD flows of 4,000 cfs, as outlined in the 1992 GDM. It was determined that if Tamiami Trail was not modified the roadway would overtop and damage to the sub-grade would occur.

4,000 cfs was determined by the following estimates:

- S-333 1350 cfs
- S-355 A 1000 cfs
- S-355 B 1000 cfs
- S-356 500 cfs



Tamiami Trail Modifications

2005 Revised General Reevaluation Report

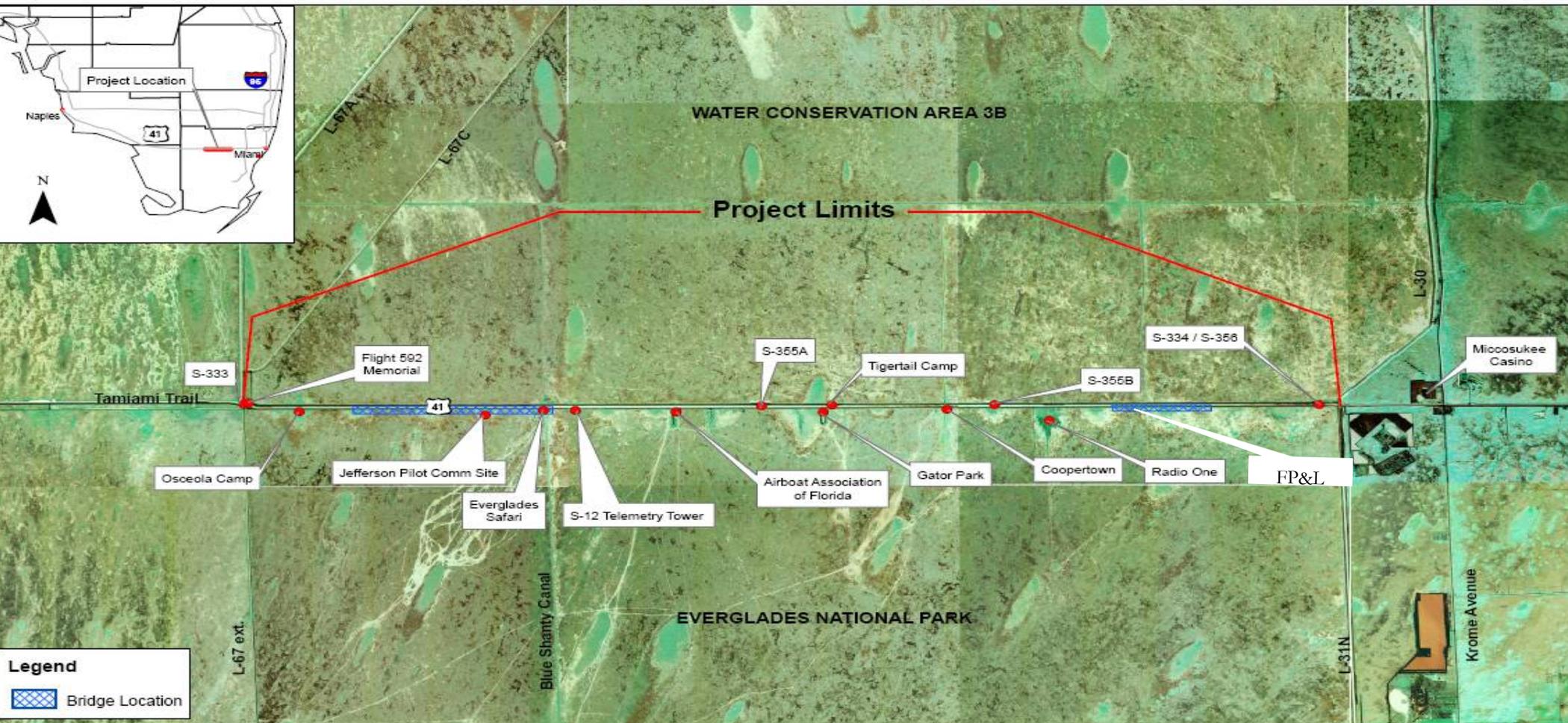
Selected Plan:

- A 2-mile bridge on the west and a 1-mile bridge on the east
- Raise the remainder of the road about 2 feet
- Bridge and road meet FDOT standards
- Stormwater treatment for bridge to meet FDEP requirements
- Access ramps provided as needed



Tamiami Trail Approved Plan

2-mile Bridge West and 1-mile Bridge East



ALTERNATIVE 14

Two-Mile Bridge West and One Mile Bridge East (Recommended Plan)
 Revised General Re-evaluation Report / Supplemental Environmental Impact Statement, Tamiami Trail
 Modified Water Deliveries to Everglades National Park, Florida

Quadrangle Coopertown NW/NE (1999)



Figure: 10
 Date: August 2005
 Scale: 1 inch equals 1 mile
 Source: GEC
 Map Author: G. Sigrest

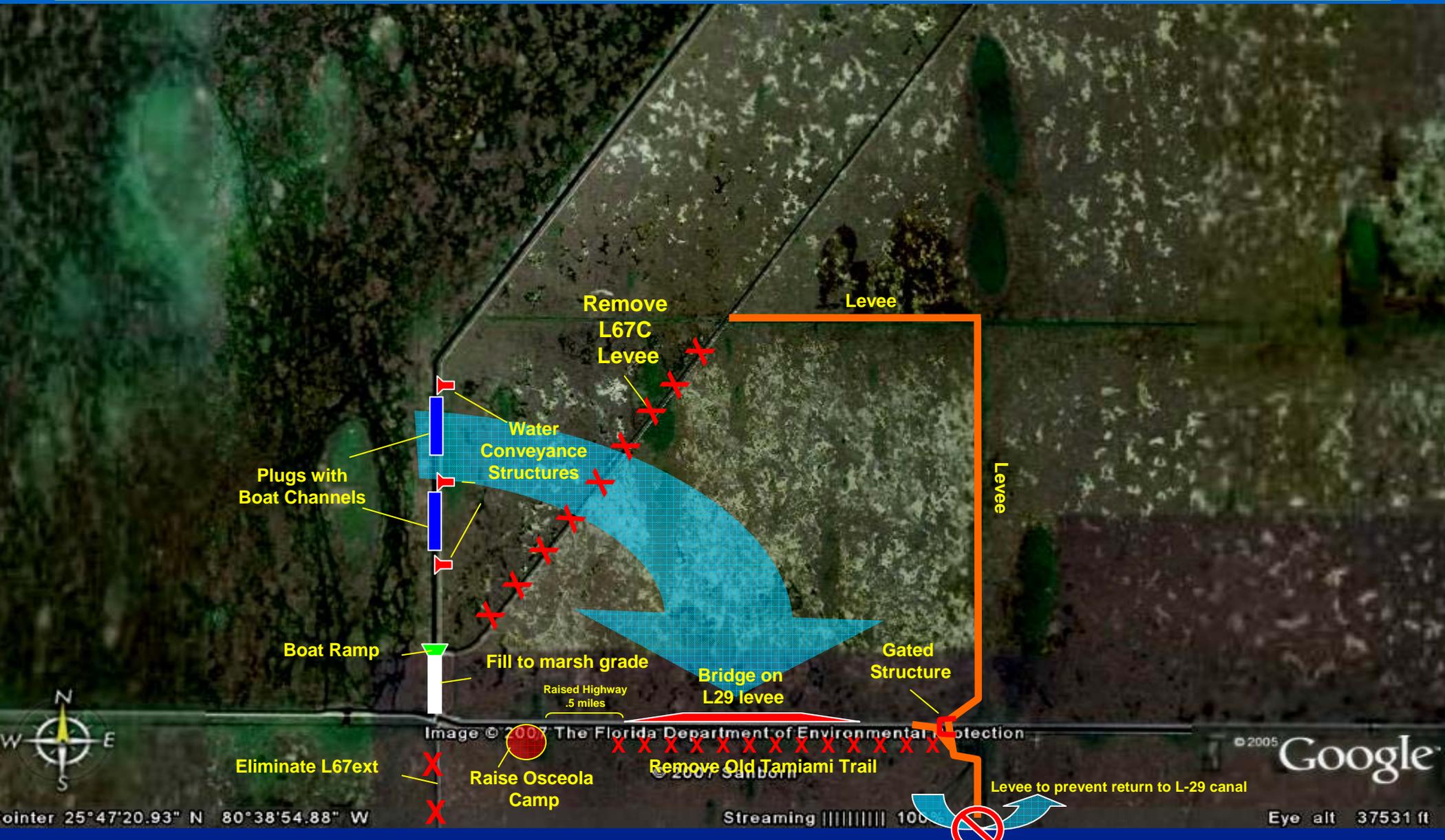
Tamiami Trail Modifications

Limited Revaluation Report (LRR)

Guidance on the LRR:

- Update Costs and Benefits for the nine action alternatives from the RGRR.
- Evaluate northern alignment and box culverts.
- Recommend the most cost effective alternative as the recommended plan for implementation.
- Reassess previously identified action alternatives with bridge spans that impact airboat properties for possible realignment

ENP Alternative



Tamiami Trail Alternative Matrix for LRR

Alt	ALTERNATIVES	L-29 DESIGN STAGE (FEET)	FLOWS (CFS)	BENEFITS	FUTURE COMPA- TABILITY	COST	RISK	REAL ESTATE IMPACT	NEPA / Report	CONSTRUCTION		ISSUES/NOTES
										Start	Finish	
1	No roadway improvements											
1.1	no action	7.5							-			
2	Limited roadway improvements*											
2.1	raise low points	7.5 - 8.0							3 rd SEIS			
2.2	<i>Limited roadway improvements with increased opening</i>											
2.2.1	raise low points, add 1- mile bridge	7.5 - 8.0							3 rd SEIS			
2.2.2	raise low points, add 2 mile + 1 mile bridge	7.5 - 8.0							3 rd SEIS			
3	Major roadway improvements* ~70% or more											
3.1	raise road	8.0 - 9.0							3 rd SEIS			
3.2	<i>major roadway improvements with increased opening size</i>											
3.2.1	raise road, add culverts/con-span	8.0 - 9.0							EA/LRR/ 3 rd SEIS			
3.2.2a	raise road, add 1-mile eastern bridge	8.0 - 9.0							3 rd SEIS			
3.2.2b	raise road, add 1-mile western bridge	8.0 - 9.0							3 rd SEIS			
3.2.3	raise road, add 2 mile + 1 mile bridge	8.0 - 9.0							3 rd SEIS			
3.2.4	raise road, add 2 mile + 1 mile bridge	8.0 - 9.75				316	115	44.3	3 rd SEIS	2008	2013	Approved Plan (Alt 14 from RGRR) unconstrained
4	Roadway realignment											
4.1	Northern Alignment of Alt 14	8.0 - 9.0							EIS/GRR			Requires New EIS
4.2	Northern Alignment with 1 mile bridge	8.0 - 9.0							EIS/GRR			
4.3	Northern Alignment with 1 mile bridge and relocation of L-67 levy	8.0 - 9.0							EIS/GRR			

All alternatives include lessons learned from the spreader swale pilot.

Questions?

