



North Palm Beach County – Part 1

Comprehensive Everglades Restoration Plan

Water Resources Advisory Commission
November 8, 2007

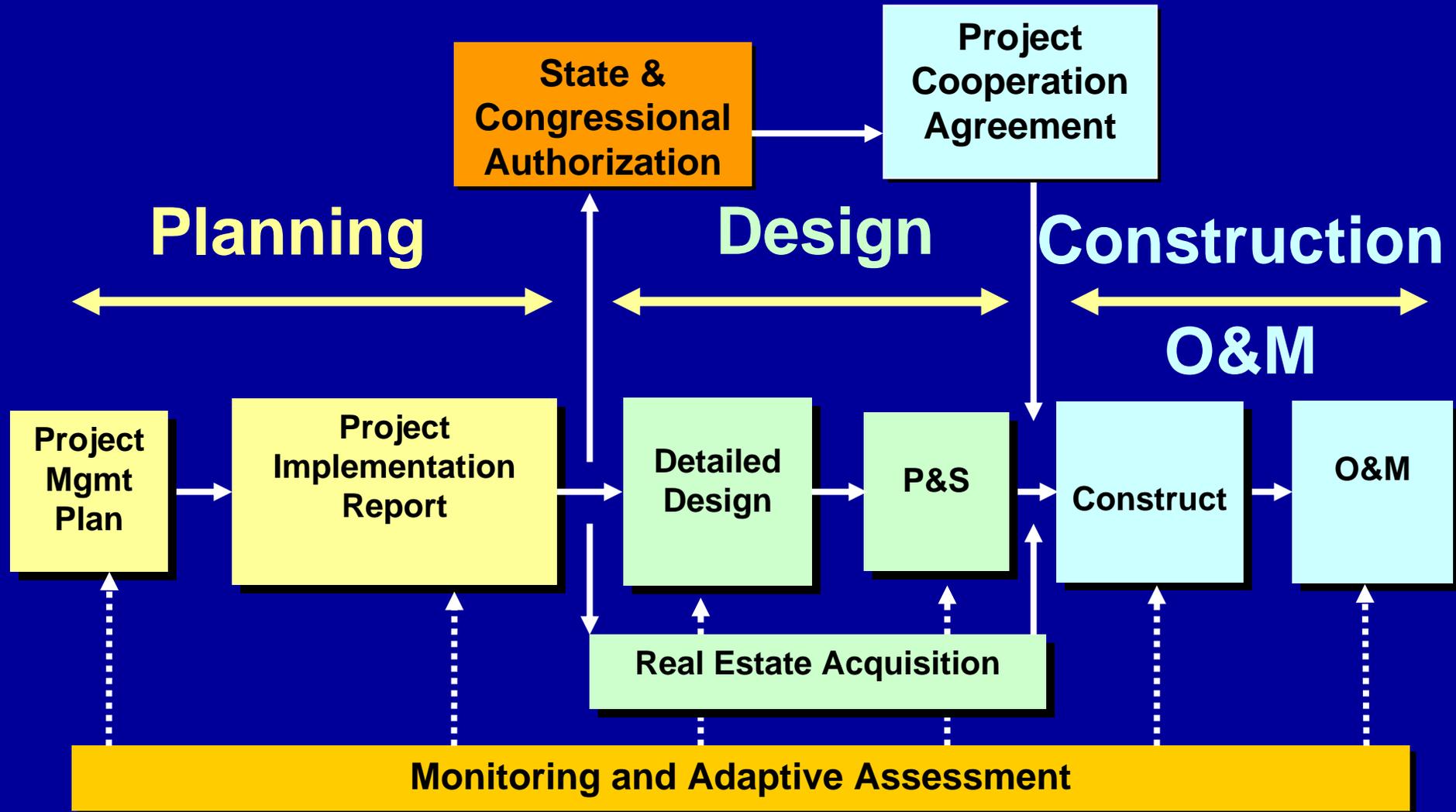
sfwmd.gov

Agenda

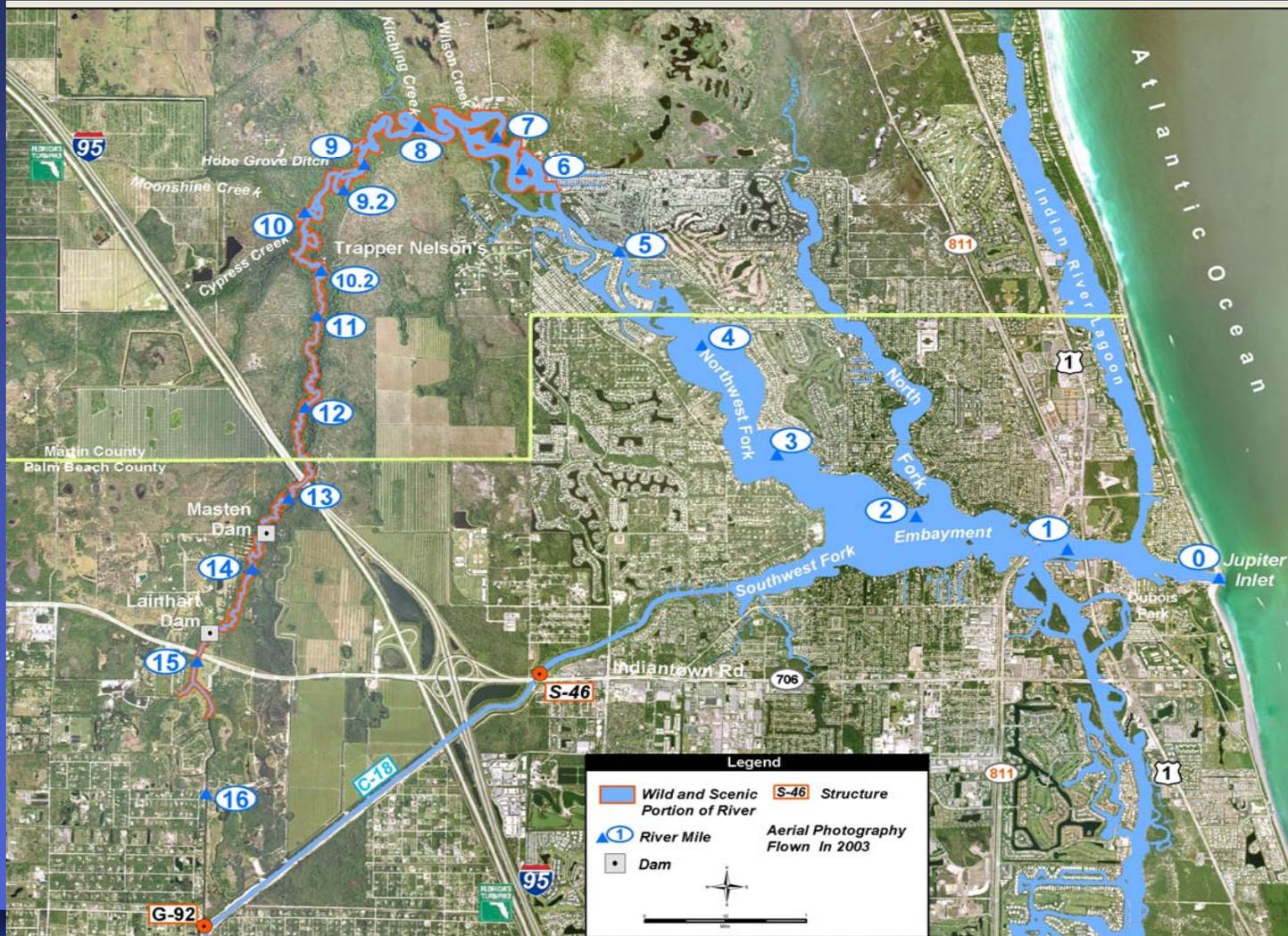
- Project Summary/Background
- Status of L-8 Reservoir
- Status of Proposed Flow-ways
- Summary
- Questions?



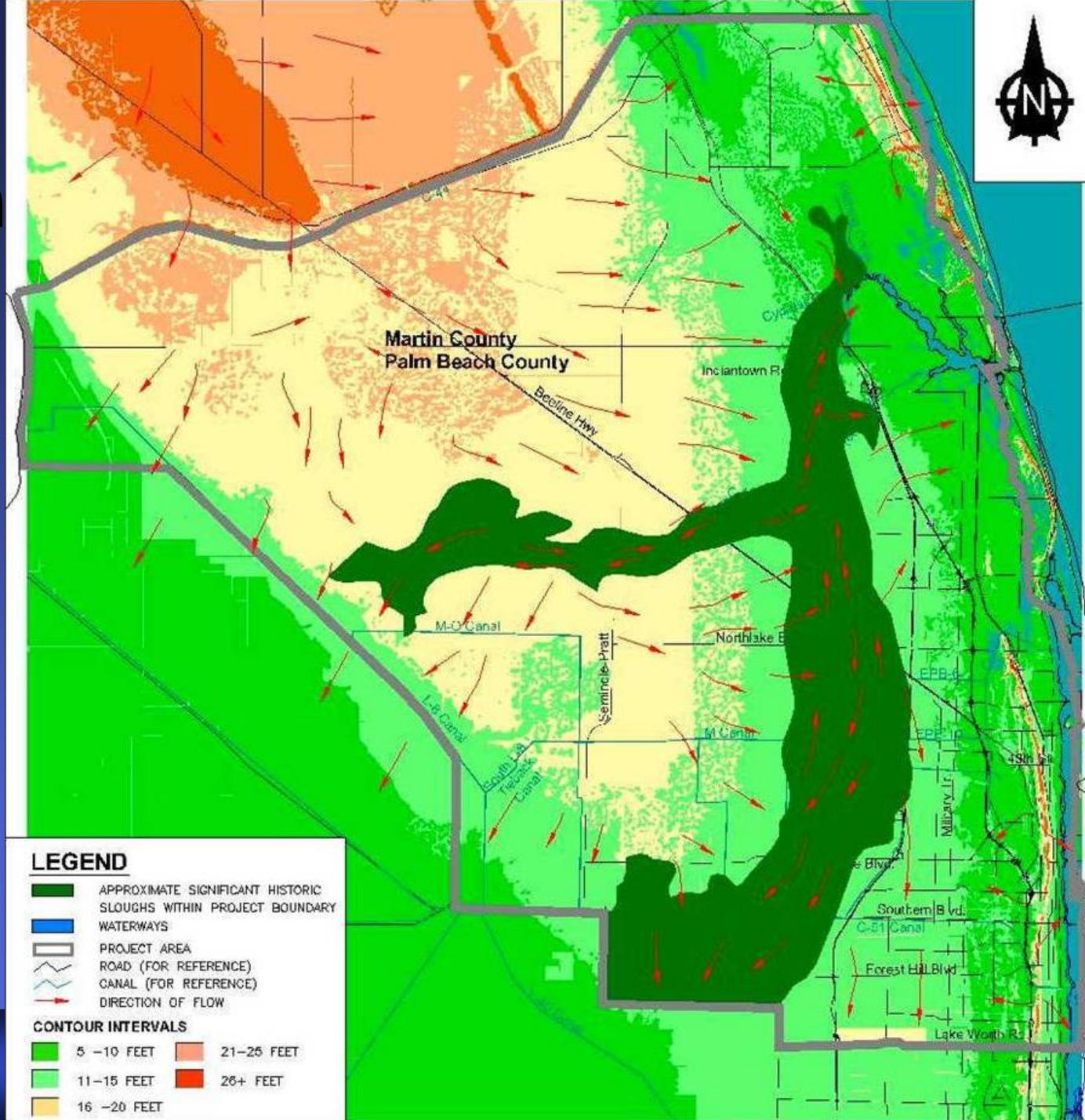
Project Development Process



Restoration Target for Northwest Fork of the Loxahatchee River



Historic Condition



Existing Conditions

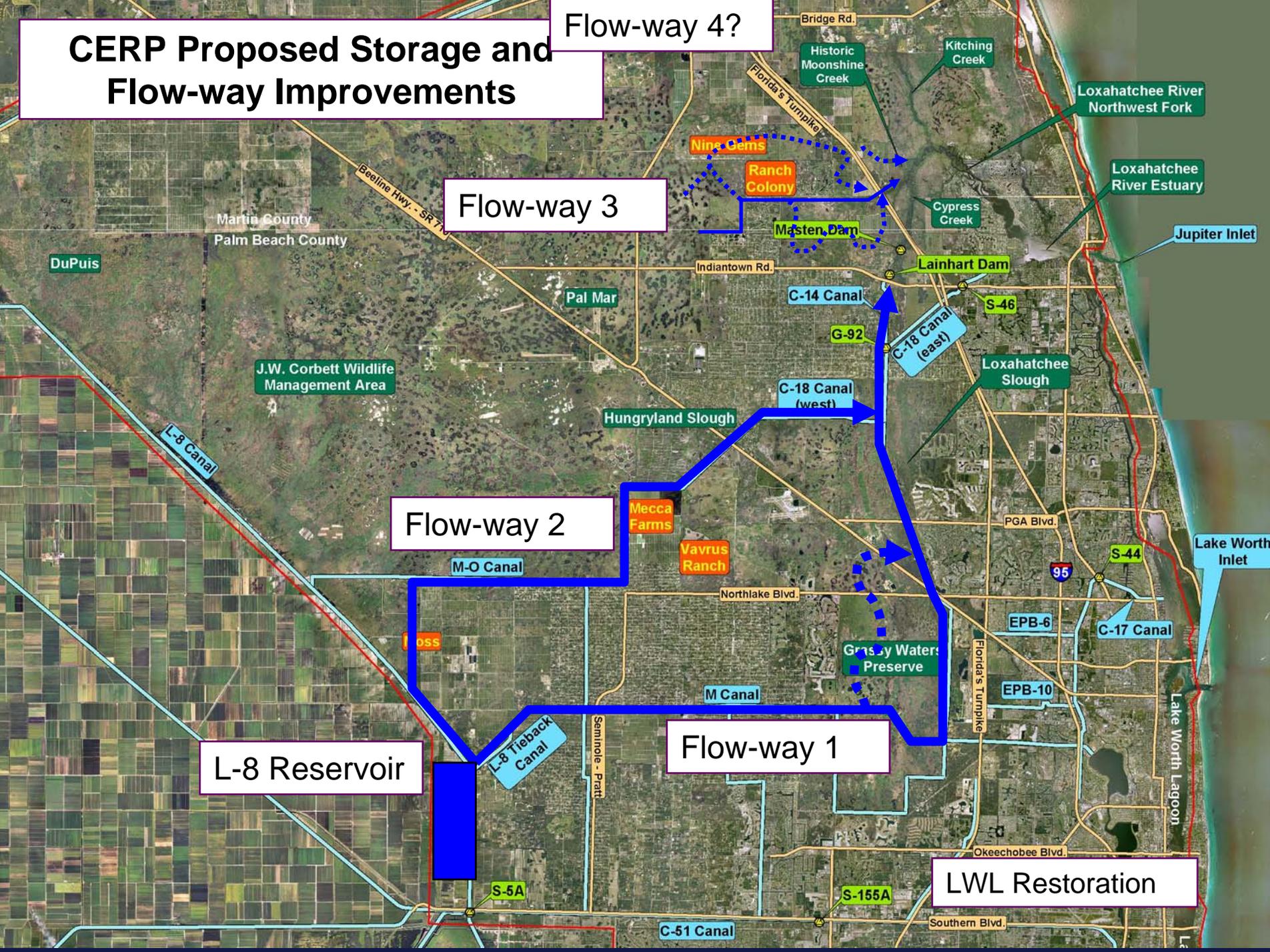
Dry Season: high demand for water from Lake

Limited Connections and Storage to capture and move water to meet needs

Wet Season: high discharge to tide



CERP Proposed Storage and Flow-way Improvements



Flow-way 4?

Flow-way 3

Flow-way 2

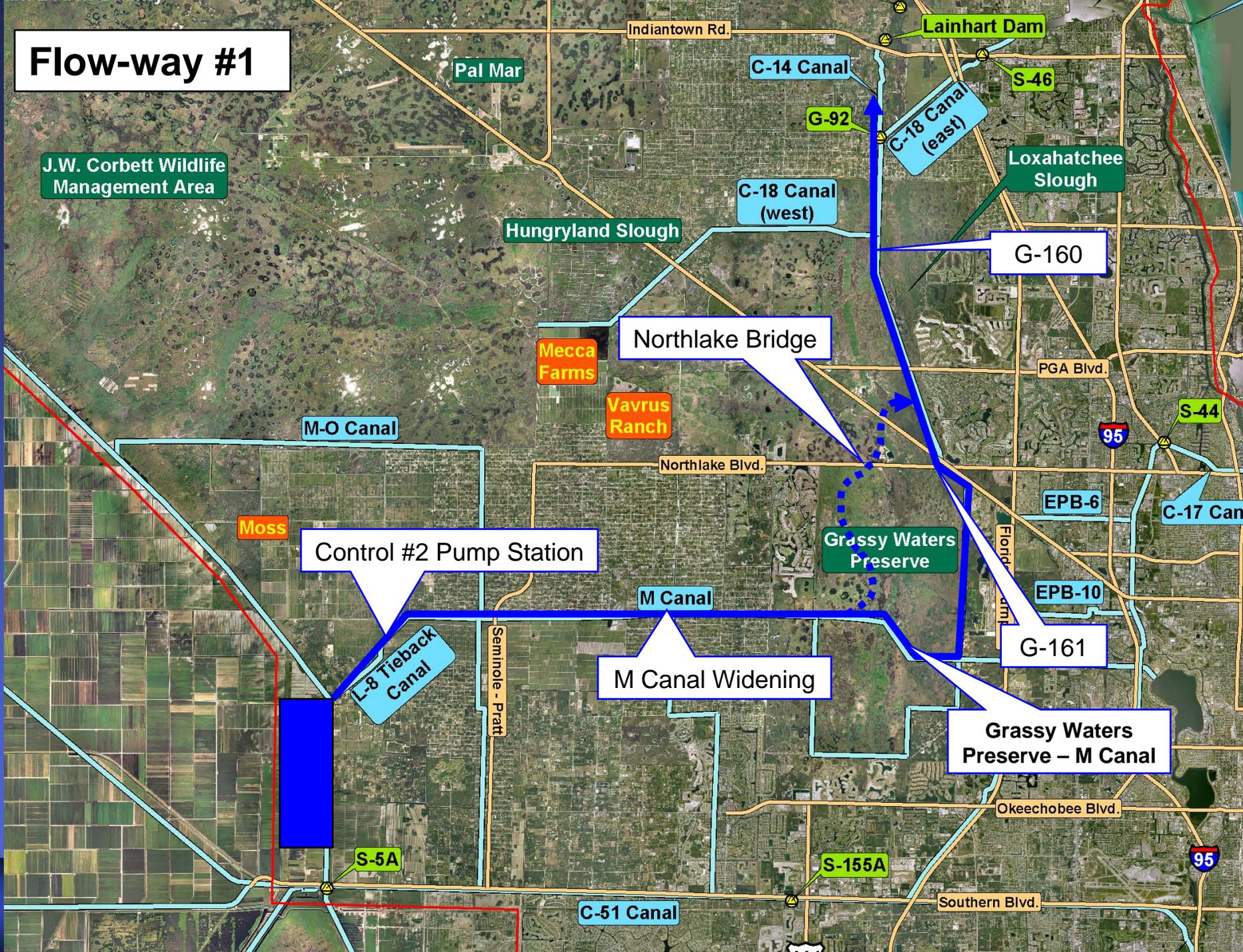
Flow-way 1

L-8 Reservoir

LWL Restoration

CERP Proposed Storage and Flow-way Improvements

Flow-way #1



Palm Beach Aggregates Mining Site

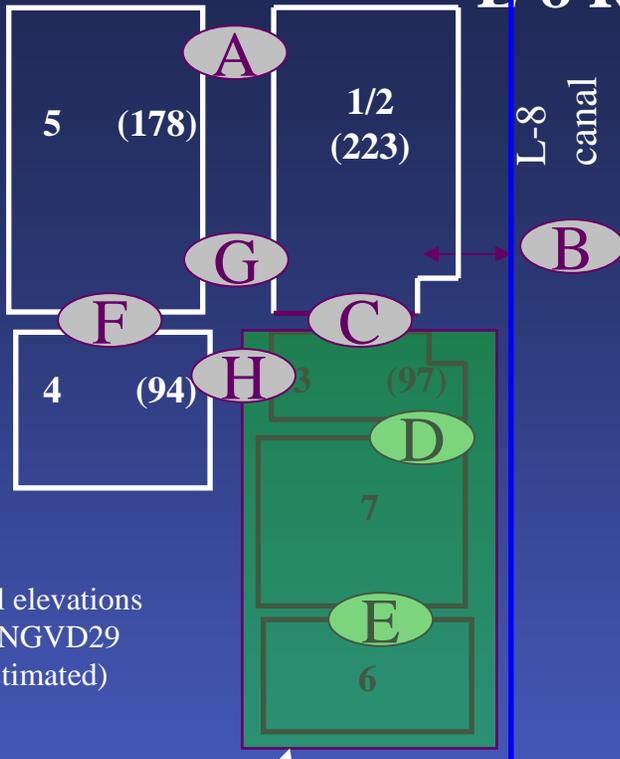
January 2002



L-8 Reservoir – August 2007



L-8 Reservoir Schematic



All elevations
in NGVD29
(estimated)

Off-Line

No connection to
cells 1245

Connection	Type	Invert
A	open cut	-40.5'
B	Outflow: 75 cfs Pump (intake @ ~10.75')	-4.0 feet (off elev.)
C	Inflow: 2 x 72" Culverts	~+6.0
C	no connection	N/A
D	pump/pipe as needed	N/A
E	pump/pipe as needed	N/A
F	open cut	-40.5'
G	no connection	N/A
H	no connection	N/A



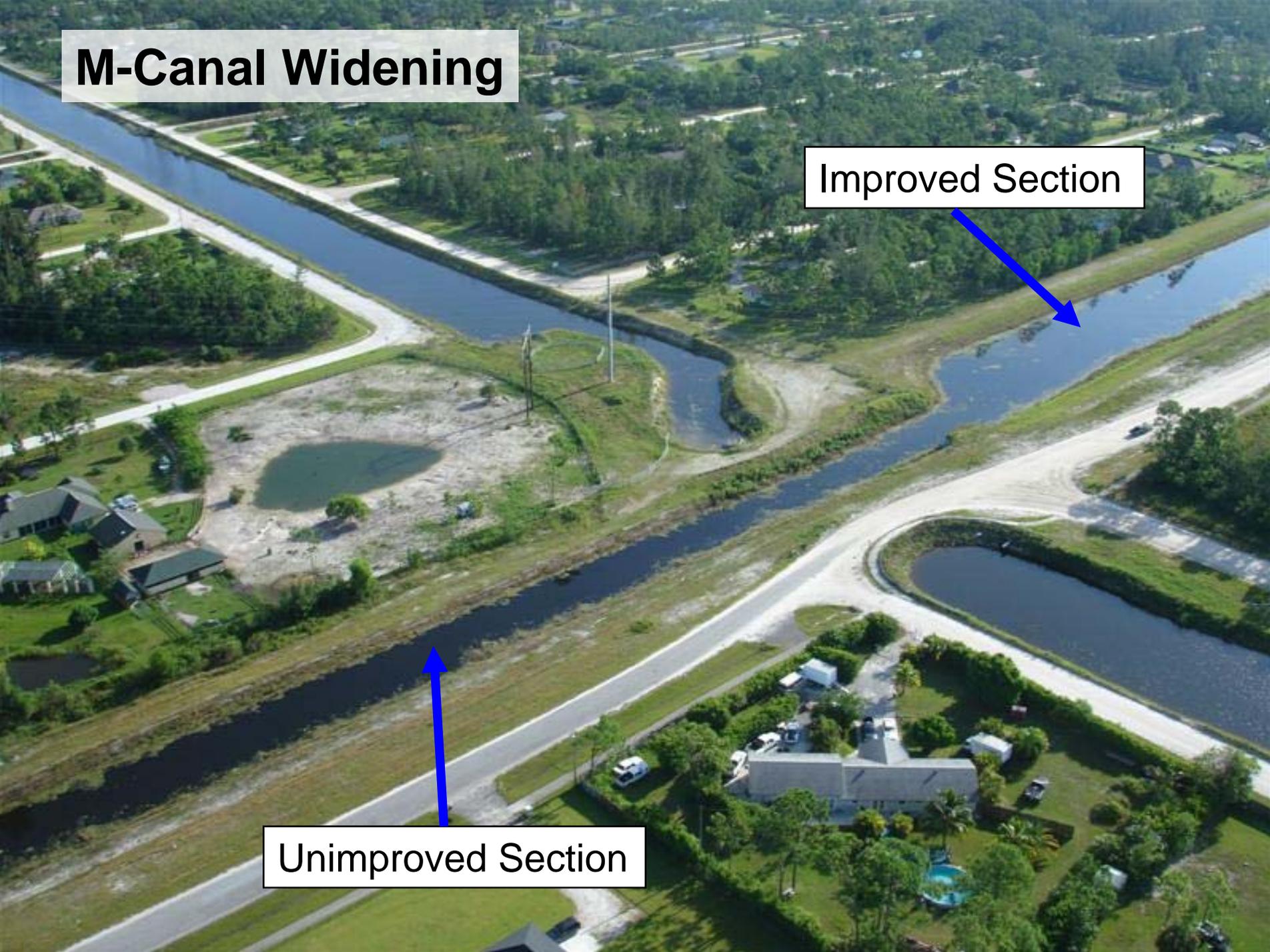
Control #2 Pump Station



M-Canal Widening

Improved Section

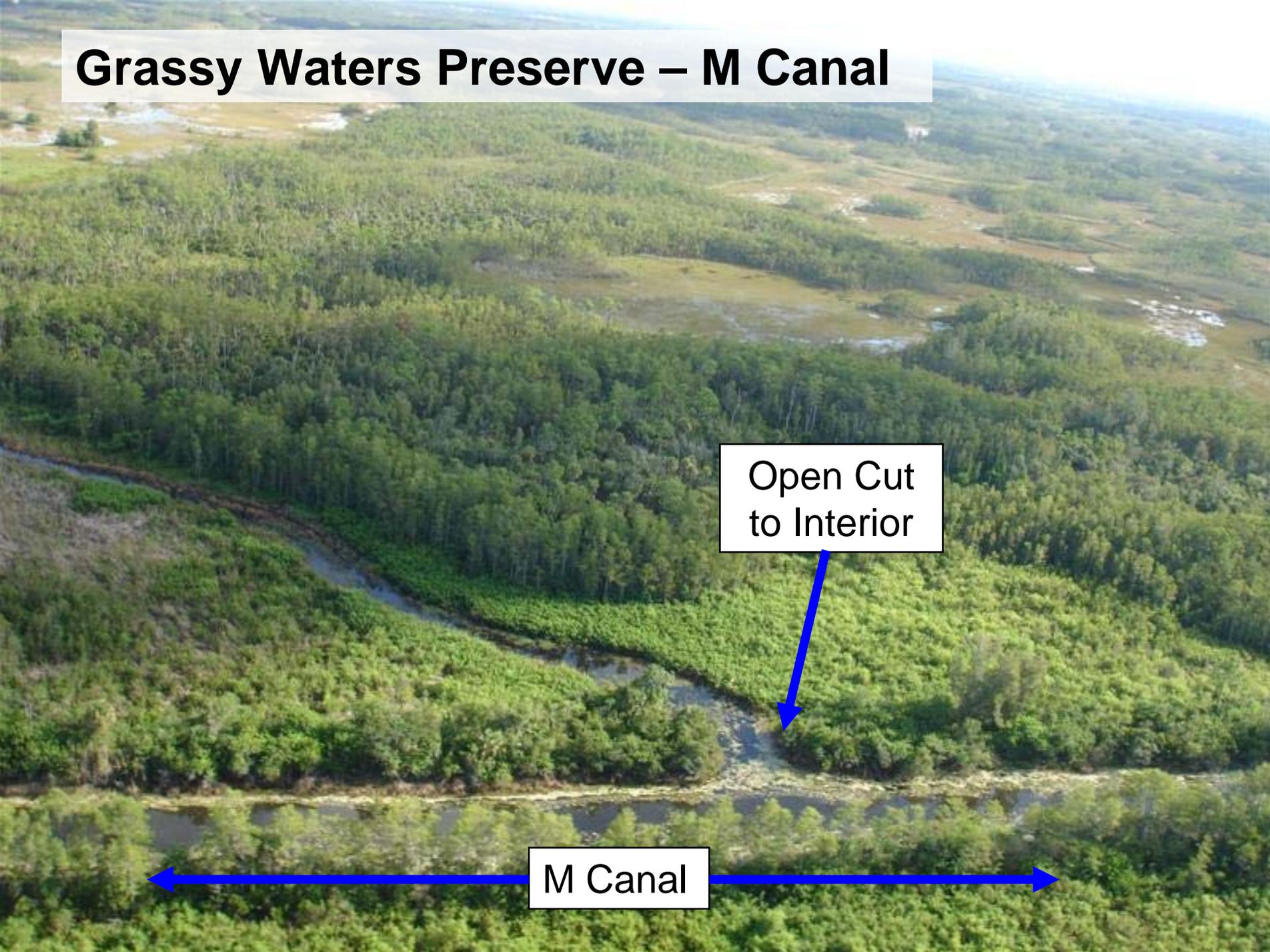
Unimproved Section



Grassy Waters Preserve – M Canal

Open Cut
to Interior

M Canal



G-161 Northlake Boulevard Structure



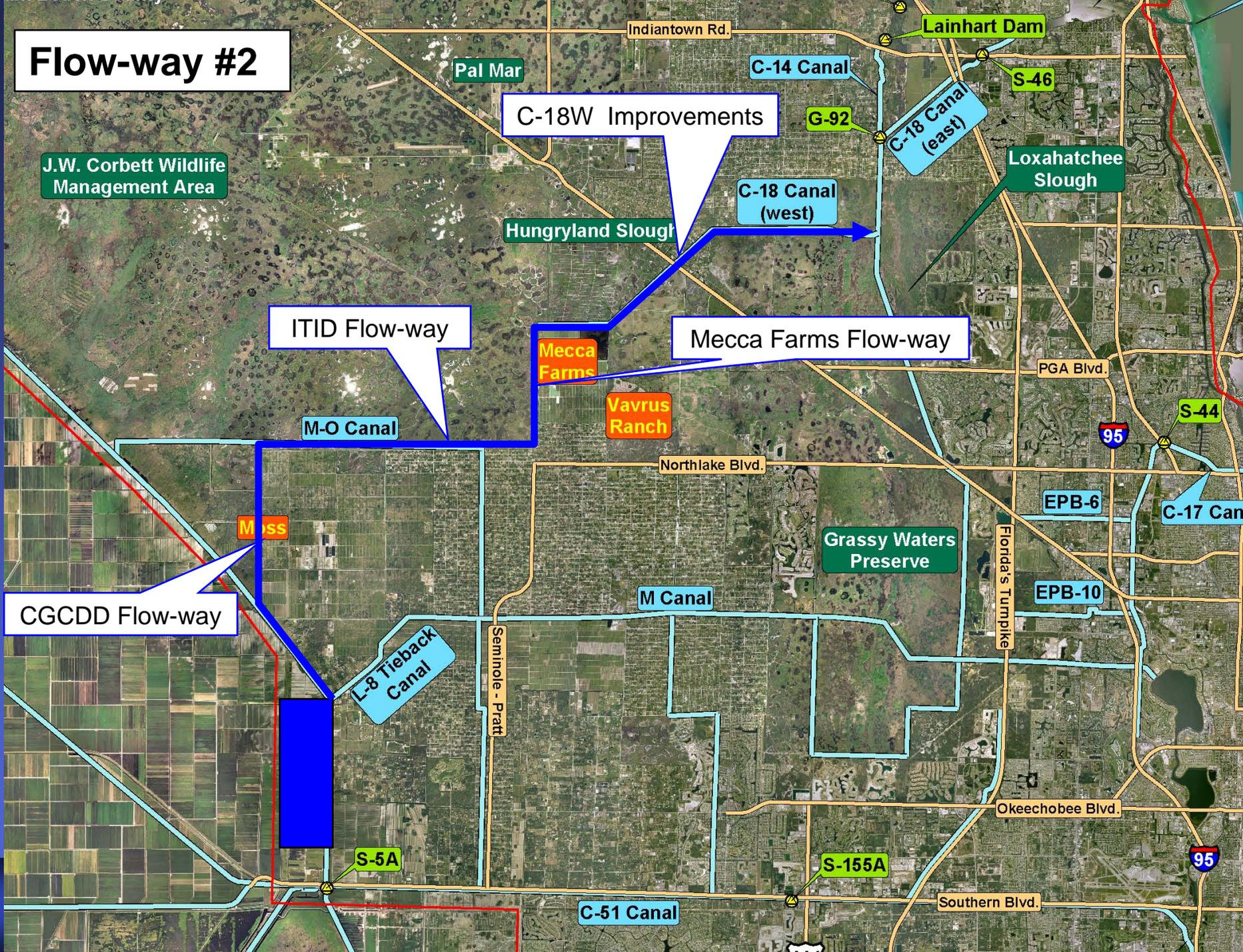
Northlake Bridge Structure



G-160 Loxahatchee Slough Structure

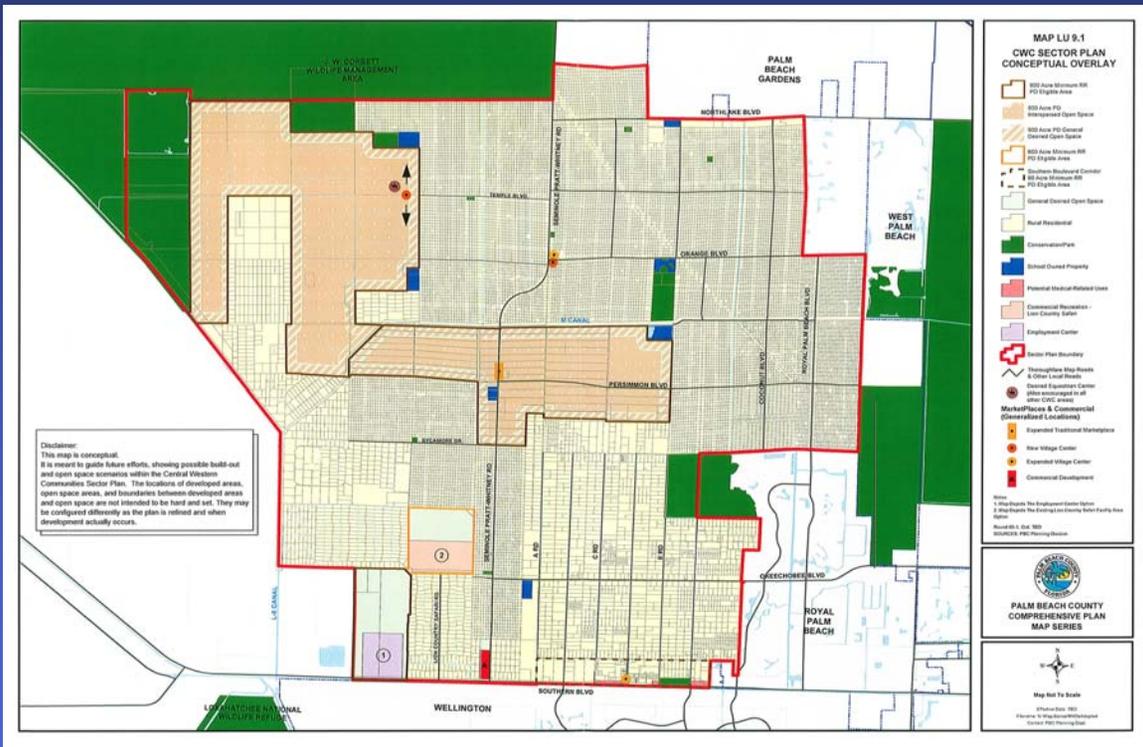


Flow-way #2



Coordination with Local Government Agencies

Conceptual Sector Plan



Mecca Farms



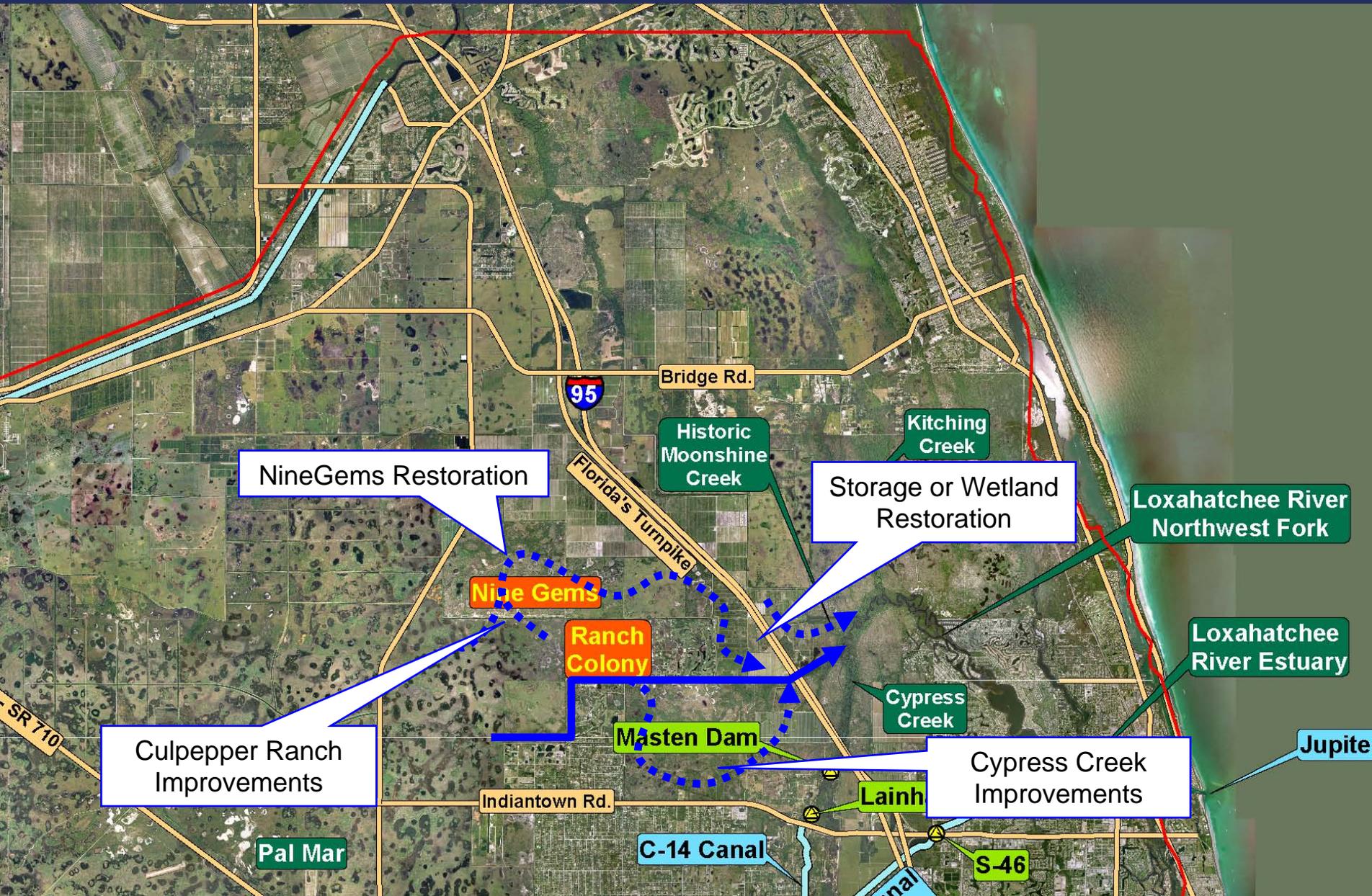
Indian Trail Improvement District – MO Canal



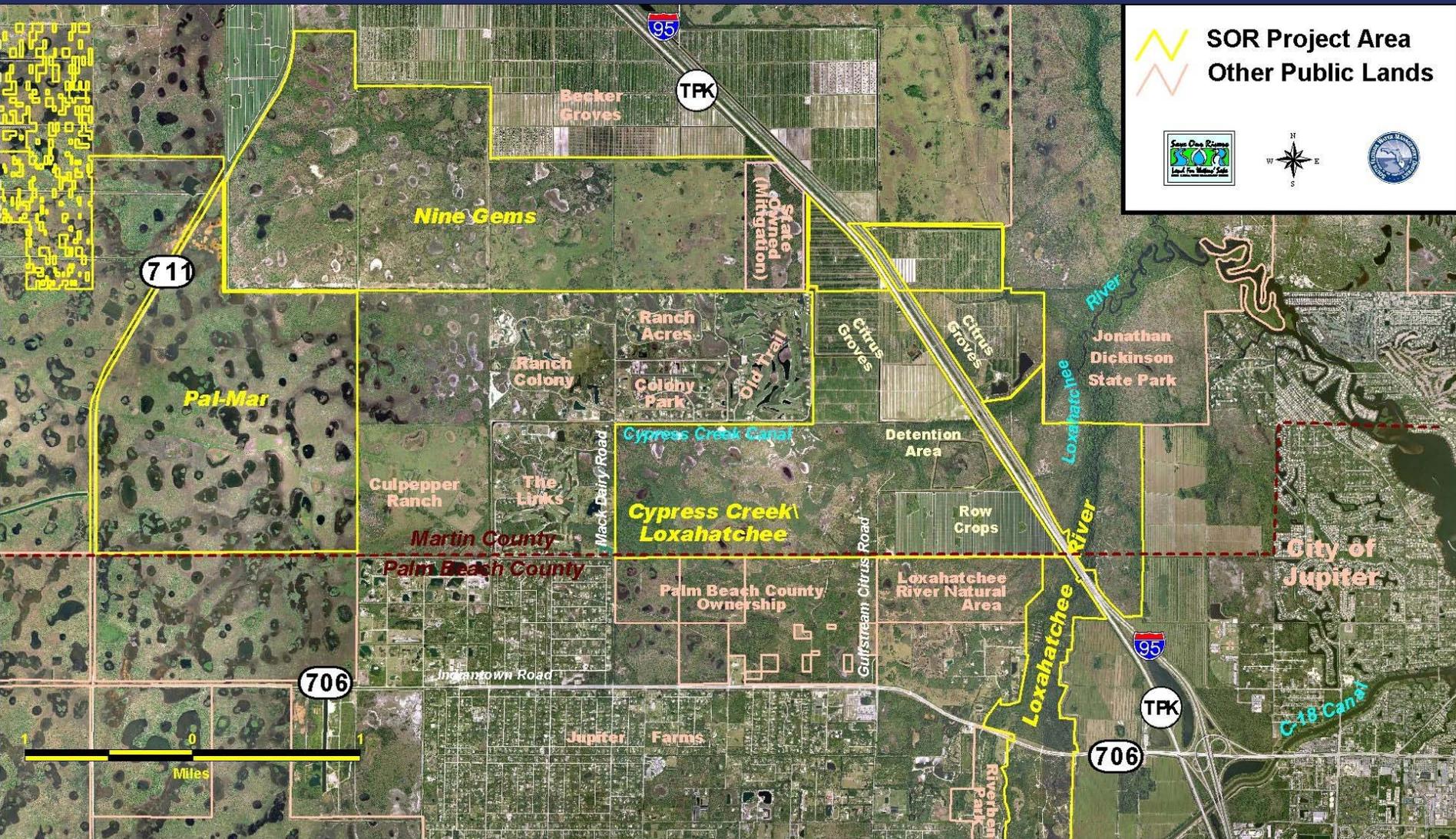
Canal C-18 West - Improvements



Flow-way #3

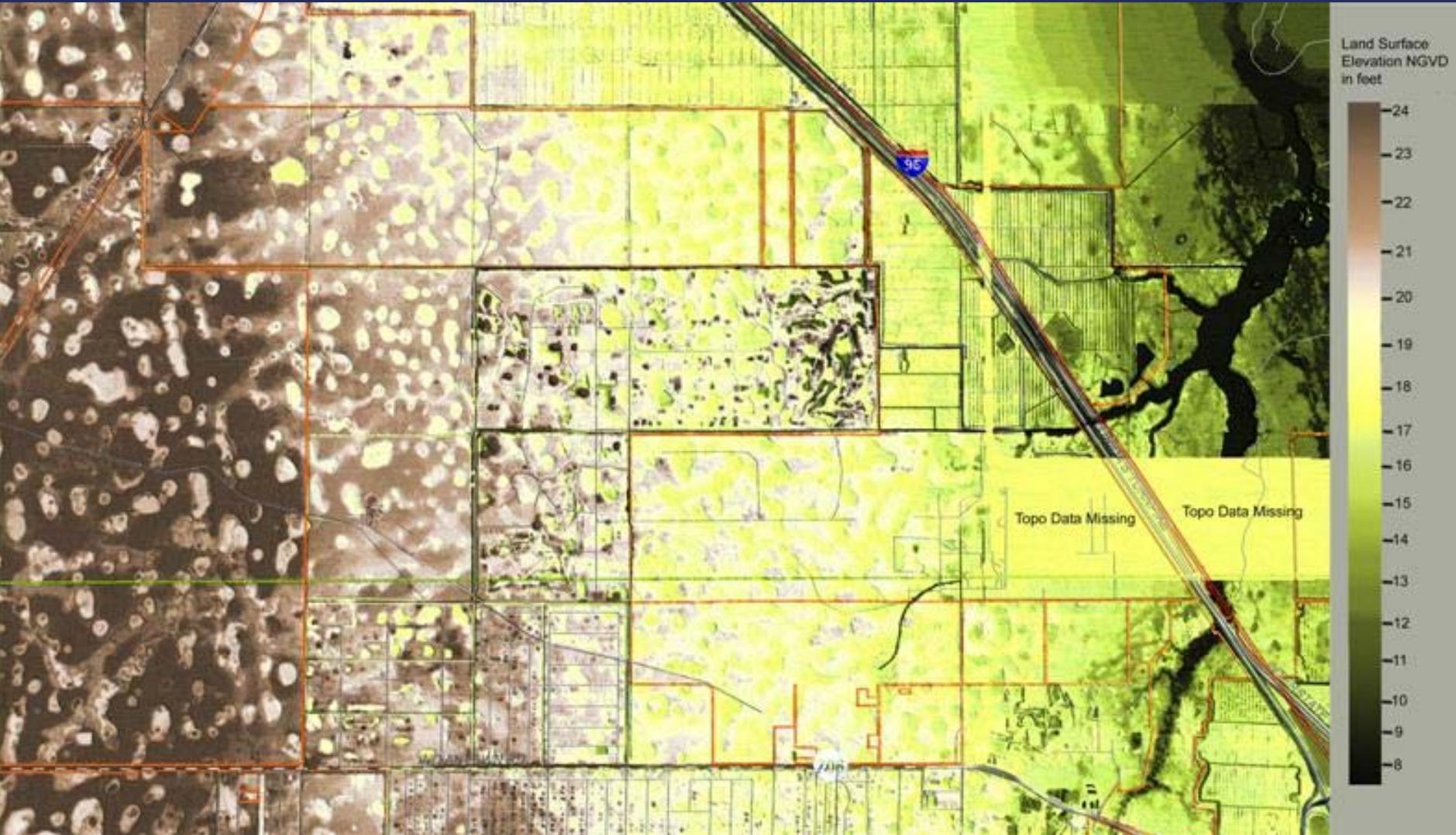


Flow-way #3



Ocean To Lake Greenway - Northern Corridor
(With 2003 2 Foot Resolution True Color Imagery)

Flow-way #3



Project Milestones

Compare and Rank Alternatives
(November, 2007)

Benefits and Cost Analysis (December,
2007)

Prepare AFB Submittal (January, 2008)

Alternative Formulation Briefing (March,
2008)

Draft PIR (December, 2008)

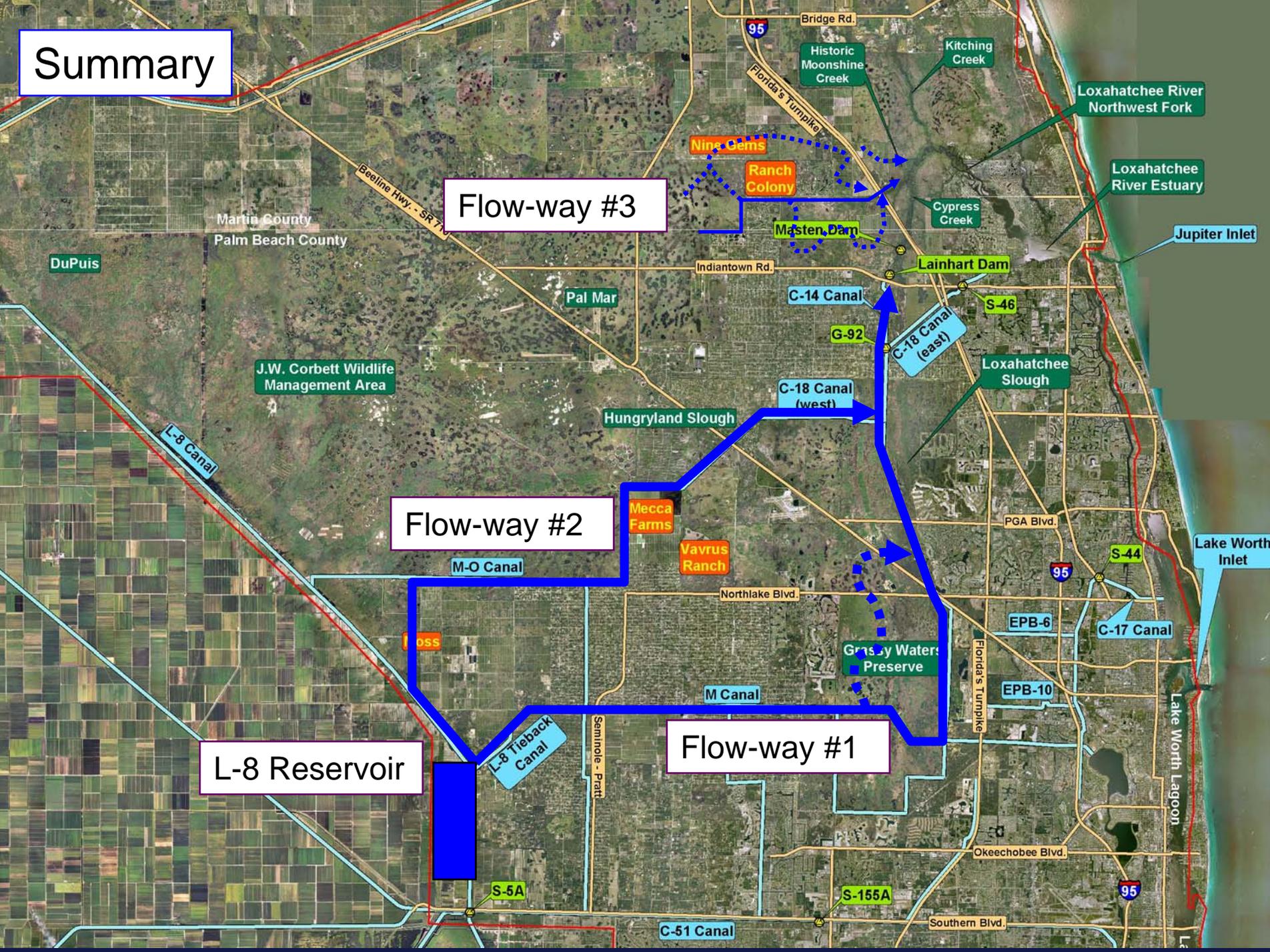


2008 Funding

Final PBA Payment:	\$ 41,254,700
Final Culpepper Ranch:	\$ 12,208,128
PIR Support:	\$ 200,000
Permitting/Testing/Monitoring:	\$ 350,857
LWL Sediment Removal (C-51):	\$ 500,000
Wetland Restoration (Palmar):	\$ 50,000
TIPF (L-8 Reservoir (Long Term Plan Funding)):	\$ 1,000,000*
Other	\$ 710,000



Summary



Flow-way #3

Flow-way #2

Flow-way #1

L-8 Reservoir

Questions?

