

# Loxahatchee River Watershed Restoration Project Update (Formerly Know as the NPBC Part 1 Project)

Project and Lands Committee  
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Loxahatchee River Northwest Fork

Loxahatchee River Estuary

Jupiter Inlet

Lake Worth Inlet

Lake Worth Lagoon

Historic Moonshine Creek

Kitching Creek

Cypress Creek

Pal Mar

Masten Dam

Lainhart Dam

C-14 Canal

G-92

C-18 Canal (east)

S-46

C-18 Canal (west)

Hungryland Slough

Loxahatchee Slough

Mecca Farms

Vavrus Ranch

PGA Blvd.

95

S-44

C-17 Canal

EPB-6

EPB-10

Grassy Waters Preserve

M Canal

Florida's Turnpike

Okeechobee Blvd.

95

Southern Blvd.

L-8 Tieback Canal

Seminole - Pratt

S-5A

S-155A

C-51 Canal

Martin County  
Palm Beach County

DuPuis

J.W. Corbett Wildlife Management Area

Beeline Hwy. - SR 710

Nine Gems

Ranch Colony

95

Florida's Turnpike

Bridge Rd.

Indiantown Rd.

Northlake Blvd.

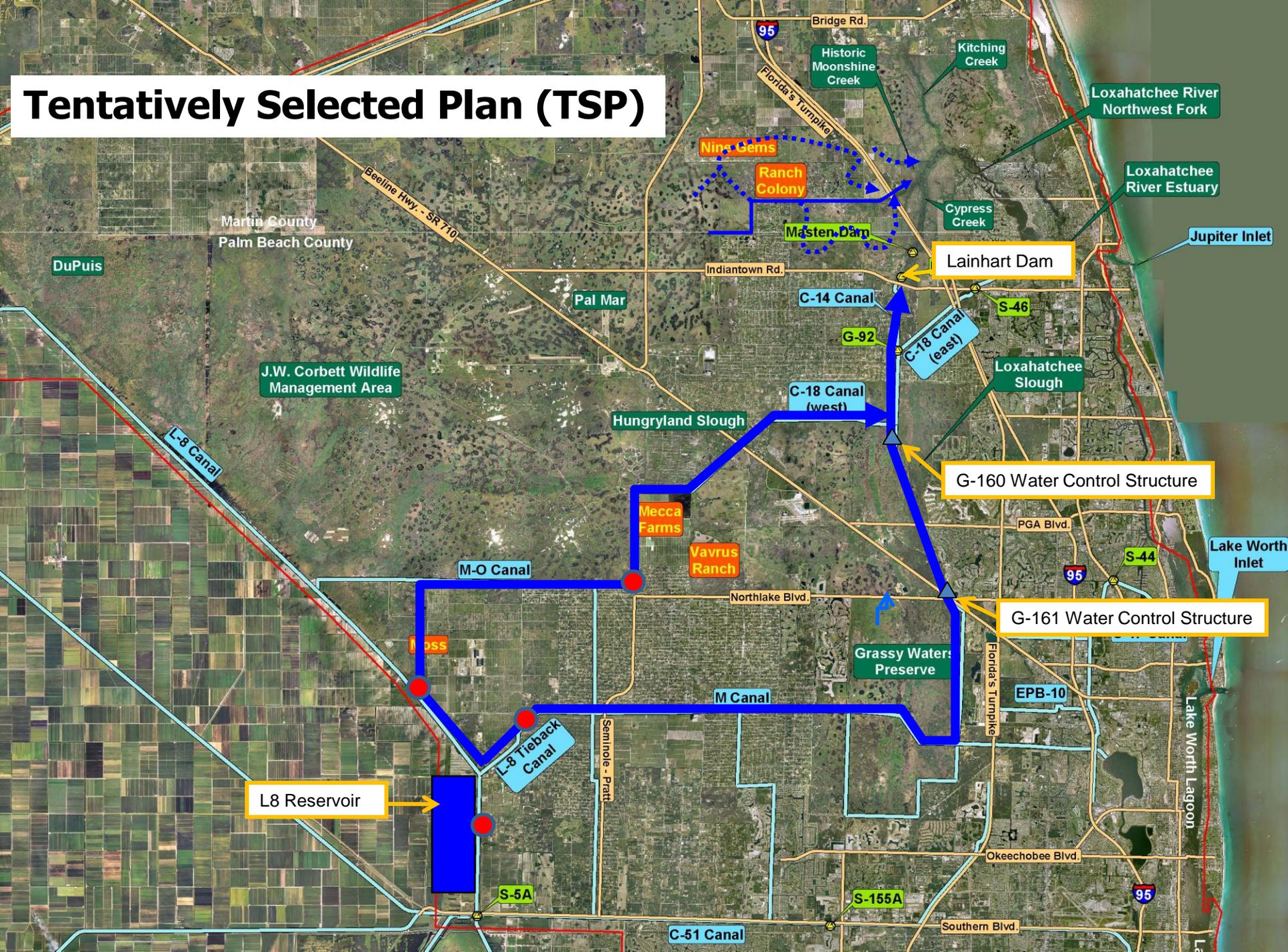
Moss

M-O Canal

L-8 Canal

Southern Blvd.

# Tentatively Selected Plan (TSP)



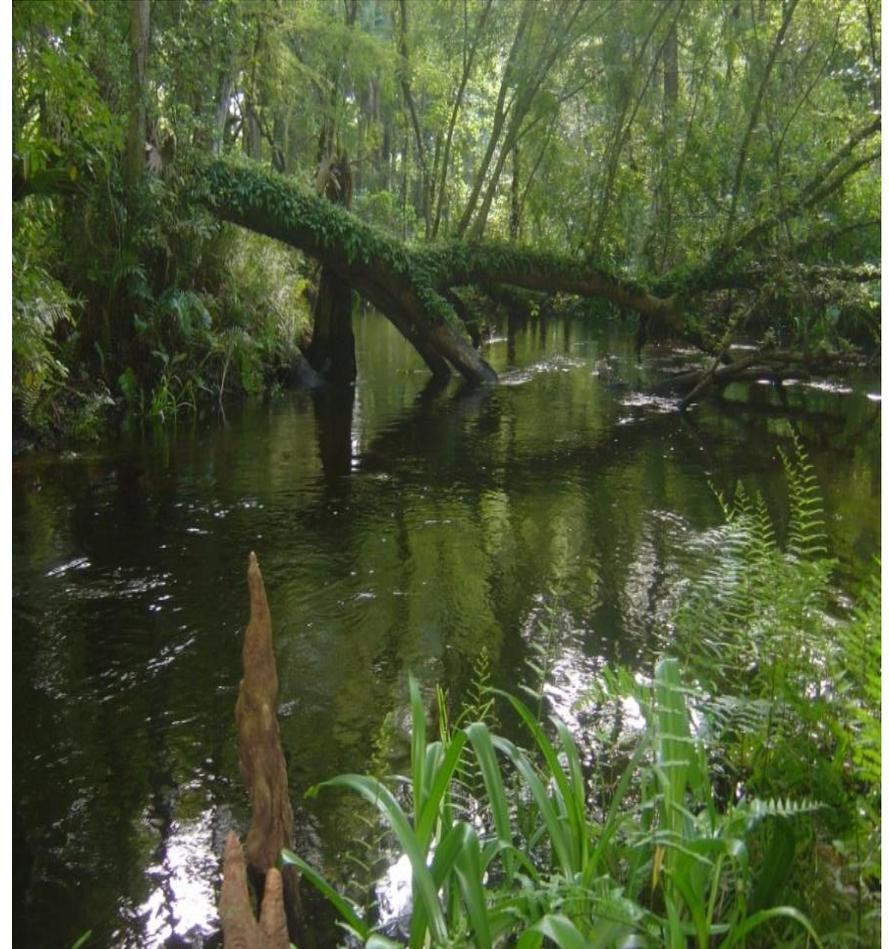
# Tentatively Selected Plan (TSP) Benefits

- Restores ~12,000 acres of altered or over-drained wetlands
- Maintains natural hydroperiods of an additional ~100,000 acres
- Provides hydrologic and spatial connectivity to ~130,000 acres
- Restores habitat for threatened and endangered snail kite and other important wildlife



# TSP Benefits (Cont.)

- Restores flows to a federally designated Wild and Scenic River (NW Fork of the Loxahatchee River)
- Improves habitat in Lake Worth Lagoon
- Provides incidental water supply and flood protection benefits



# USACE Outstanding Issues with TSP

- Assess smaller reservoirs
  - Similar benefits at reduced cost
- Re-run economic model
  - Determine new suite of cost-effective and best-buy plans
- Determine methods to value L-8 Reservoir
  - Real estate
  - Construction
  - Value of extracted aggregate
- L-8 Reservoir chloride assurances
  - Seepage management contingency costs
  - Additional monitoring wells

# Risks to Moving Forward with More Infrastructure Improvements



- Refined TSP may include reduced storage volume that could result in:
  - Reduced pump size
  - Reduced inflow capacity
- Additional analysis of inflow and outflow capacity may be needed to optimize operation
- Full cost-share for reservoir and infrastructure would be at risk

# Risks to Not Moving Forward with More Infrastructure Improvements

- Minimal ability to meet minimum flow and level criteria for Loxahatchee River NW Fork
- Anticipated early restoration benefits not realized
- Continued pressure from stakeholders to move ahead



# Possible Next Steps

- Expedite design of L-8 Reservoir infrastructure and Flow Way 1 improvements in advance of CERP plan selection and approval
- Defer design work and wait for USACE to approve TSP





**Questions?**

# C-43 Reservoir Final PIR

- Supplemental Chief's Report has been signed by Chief of Engineers
- ASA(CW)'s Office is compiling a package and transmittal letter to transmit the Report to OMB for review

# C-111 Spreader Canal Final PIR

- Levels of agrochemicals that exceed the screening level ecological risk assessment were identified in the Frog Pond Detention Area
- The SFWMD requested cost share for all activities related to the development and implementation of the soil management plan for addressing agrochemicals
- Soil scraping is a central part of the soil management plan for addressing ecological risk but is also integral to the project and included in the construction plan as a cost effective measure for controlling evasive vegetation

# C-111 Spreader Canal Final PIR

- ASA Letter (June 4, 2010) identified five conditions necessary to allow soils containing agricultural chemicals that are above a risk level (including ecological risk) to remain on project lands
- Corps has determined that the recommended soil management plan is consistent with the criteria in the ASA Letter