

**Caloosahatchee River  
(C-43) West Basin  
Storage Reservoir**

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# Briefing Purpose

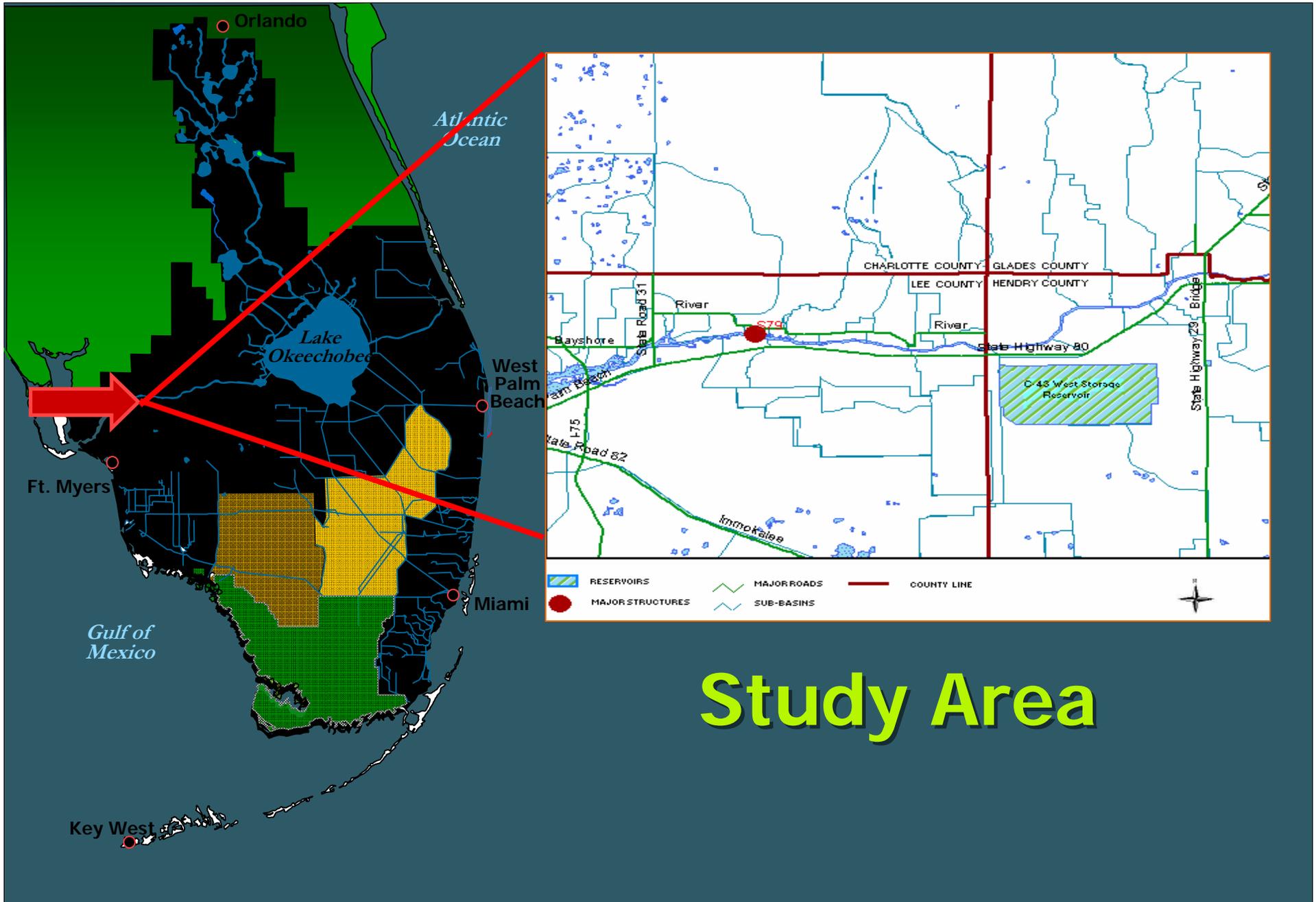
- To consult with the Task Force on status of the Draft PIR/EIS currently out for public/agency review
- To provide a brief overview of the project, project milestones, alternatives, costs and benefits outlined in the Draft PIR/EIS

# Project Purpose

## Restore quantity and timing of freshwater flows to the Caloosahatchee Estuary

- Capturing and holding damaging excess Basin runoff and releases from Lake Okeechobee
- Releasing water to the estuary when needed in the dry season





# Study Area

Caloosahatchee River (C-43) West Basin Storage Reservoir

# Comparison of Alternatives

## Optimizations of the Restudy (D-13 R) Alternative

### Restudy Alternative:

- above-ground reservoir with approx. 160,000 ac-ft storage capacity
- located in Hendry, Glades, or Lee Counties
- 20,000 acre footprint, 8 ft depth
- final size, depth and configuration determined through more detailed planning and design

# Comparison of Alternatives

<u>Alternative</u>	<u>Reservoir Size (Acre-Feet)</u>	<u>Pump Capacity (CFS)</u>	<u>Ecosystem Lift (Avg Ann Habitat Units)</u>	<u>Avg Annual Costs (\$)</u>	<u>Avg. Cost per Habitat Unit</u>
Alt 1 No-Action Future-Without	N/A	N/A	N/A	N/A	N/A
Alt 2	100,000	1500	10,628	28,965,000	2,725
Alt 3B	170,000	1500	12,809	31,258,000	2,440
Alt 3C	170,000	3800	16,397	36,667,000	2,236
Alt 4	220,000	3800	15,907	43,856,000	2,757

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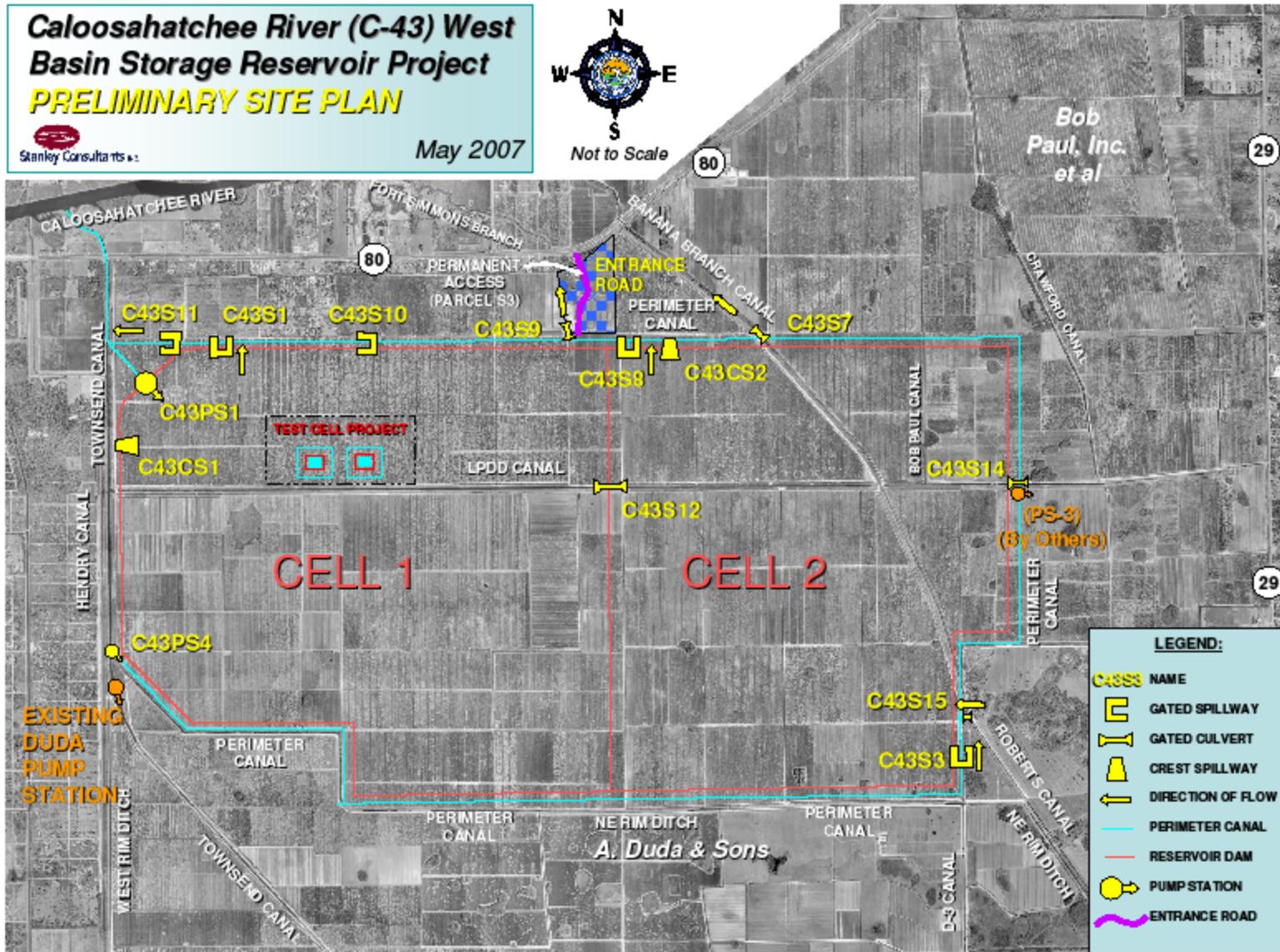
# Recommended Plan – Alternative 3B

<b>Reservoir Size (ac-ft)</b>	<b>Pump Capacity (cfs)</b>	<b>Total Initial Cost (Including Recreation Features) (\$)</b>	<b>Average Annual Cost (\$)</b>	<b>Avg Ann Benefit (Habitat Units)</b>	<b>Avg Ann Cost/Avg Ann Habitat Unit (\$/hu)</b>
<b>170,000 ac-ft</b>	<b>1500 cfs</b>	<b>\$446,460,000</b>	<b>\$31,258,000</b>	<b>12,809</b>	<b>\$2,440</b>

# Caloosahatchee River (C-43) West Basin Storage Reservoir Project PRELIMINARY SITE PLAN

Stanley Consultants

May 2007



Caloosahatchee River (C-43) West Basin Storage Reservoir

# Why Alternative 3B Was Selected

- Cost effective plan in accordance w/ Corps guidance (ER 1105-2-100)
- Fully meets planning objectives
- More risk associated with Alt. 3C
- Increment of Alt. 3C
- Pump can be modified based on evaluation of monitoring results
- Acceptable to local sponsor

# Project Costs – Recommended Plan

## (Alternative 3B)

Pre-Construction Engineering Design (PED):	\$ 20,680,000
Lands & Damages:	\$ 80,510,000
Construction:	\$319,420,000
<b>Total Initial Cost:</b>	<b>\$446,460,000</b>

Recreation\*: \$ 2,520,000

\* Included in Total Initial Cost, above

# Status & Upcoming Milestones

## PAST

- Draft Project Implementation Report/Environmental Impact Statement (PIR/EIS) public comment period April 27-June 11, 2007

## PRESENT

- Team is preparing for Public Workshop May 17, 2007 in LaBelle.
- Team is responding to public, agency and Corps vertical team comments as they are received on the Draft PIR/EIS.
- Team is preparing for Corps Civil Works Review Board briefing.

## FUTURE

- Final PIR/EIS scheduled for completion: July 20, 2007
- Final PIR/EIS published in Federal Register: Sept. 2007
- A8 construction start: February, 2008