



Broward County WPA

Briefing Purpose

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

BCWPA Project Purpose

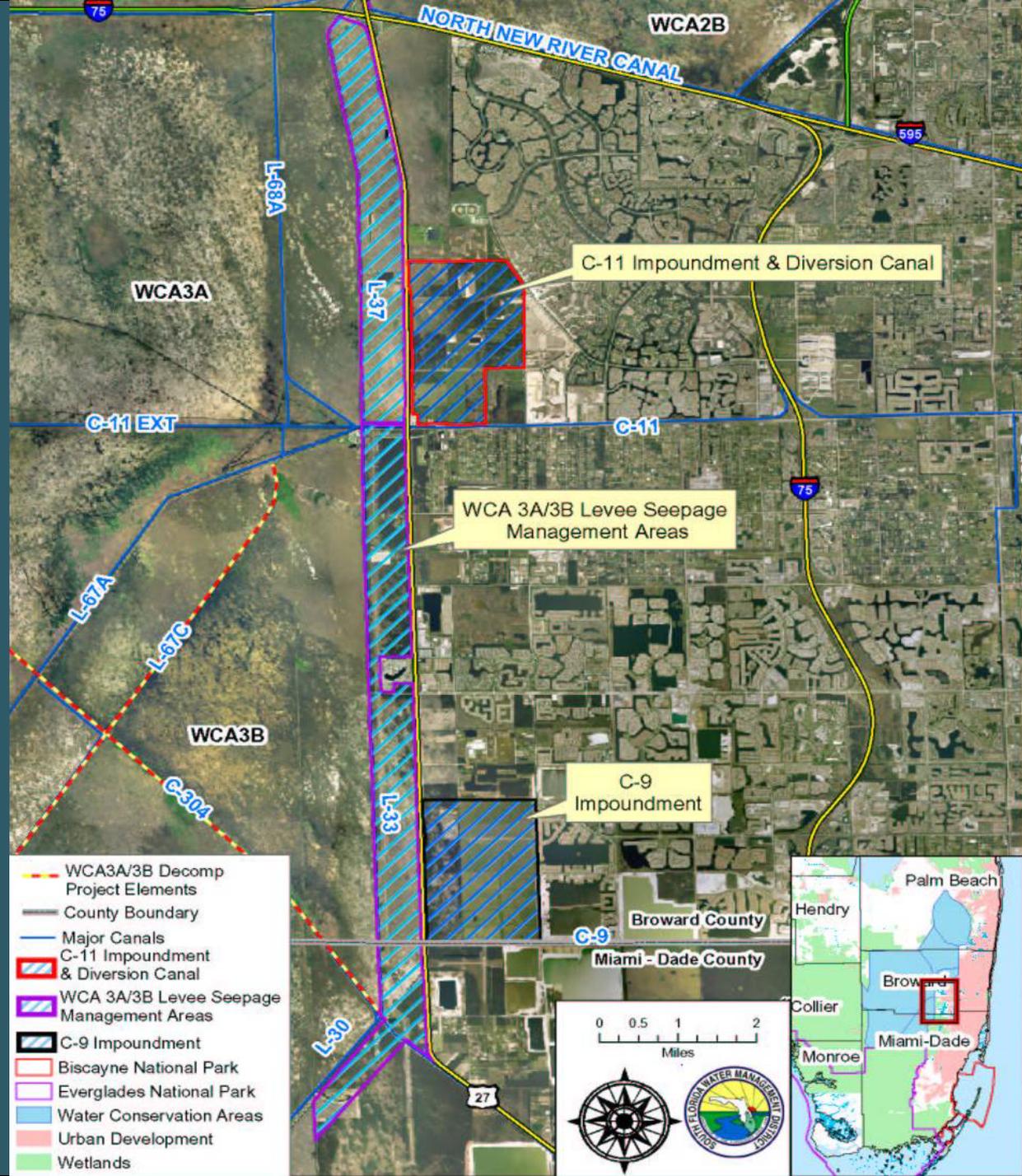


- Reducing undesirable losses from the natural system through seepage
- Capturing and redistributing stormwater runoff previously discharged to WCA 3

Study Area

Broward County WPA

- Eastern reaches of Water Conservation Areas (3A and 3B)
- Village of Weston, Town of Davie, Cooper City, Miramar, Southwest Ranches and Pembroke Pines



Status & Upcoming Milestones

PAST

- Draft Project Implementation Report/Environmental Impact Statement (PIR/EIS) public comment period closed: May 1, 2006

PRESENT

- Team is updating PIR/EIS to current Guidance memo format
- Team is responding to public and Corps vertical team comments that have been received on the Draft PIR/EIS.

FUTURE

- Final PIR/EIS scheduled for completion: June 1, 2006
- Final PIR/EIS published in Federal Register: July 2006
- A8 construction start: Late August 2006

Recommended Plan – Alternative A4

The BC WPA Project includes the following features:

- **C-9 Impoundment: 1,739 acres, 4 ft deep**
- **C-11 Impoundment: 1,695 acres**
- **Seepage management: buffer strip (4,312 ac), 3 structures**
- **Recreation features of Recommended Plan**
- **Produces the greatest amount of NER benefits**
- **Cost effective and best buy after Cost Effectiveness/Incremental Cost Analysis (CE/ICA)**

Broward County, WPA Comparison of Alternatives

**Alternatives for Broward Co, WPA were
optimizations of the Restudy (D-13 R Alternative)**

Restudy (D-13 R) Alternative

C-11: 1,600 acre impoundment @ 4' deep

C-9: 2,500 acre impoundment @ 4' deep

**Seepage Management Area: levees, canals,
divide structures**

Comparison/Optimization of Restudy Alternative

- **Alt 2: Design attempt to solve seepage problems**
 - **C-9: 2,091 ac (divided into 3 compartments)**
 - **a) 1,232 ac @ 6' deep**
 - **b) 474 ac @ 2' deep**
 - **c) 385 ac @ 2' deep**
 - **C-11: 1,734 ac (divided into 2 compartments)**
 - **a) 1,119 ac @ 6' deep**
 - **b) 615 ac @ 2' deep**
 - **Seepage management: buffer strip, 3 structures, operations adjusted**

Comparison/Optimization of Restudy Alternative

- **Alt 3: Design attempt to solve seepage problems**
 - **C-9: 2,091 ac**
 - a) 1,232 ac @ 6' deep
 - b) 474 ac @ 4' deep
 - c) 385 ac @ 4' deep
 - **C-11: 1,734 ac**
 - a) 1,281 ac @ 6' deep
 - b) 453 ac @ 4' deep
 - **Seepage management: buffer strip, 3 structures, operations adjusted**

Restudy vs. PIR

Restudy Plan

(Oct 2005 price levels)

- **Cost - \$405-million**
- **Features:**
 - **Reservoir Impoundments (C-9, and C-11)**
 - **Seepage Management Area**

PIR Plan

(Oct 2005 price levels)

- **Cost - \$520 mil (total sum of components)**
- **Features:**
 - **Reservoir Impoundments (C-9, and C-11)**
 - **Seepage Management Area**
 - **North New River channel modifications (within Broward County WPA project limits) - initially authorized in WRDA 2000**

Why Alternative 4 was selected

- Results of Cost Effectiveness/ Incremental Cost Analysis: cost effective plan & best buy plan (efficiency) in accordance w/ Corps guidance (ER 1105-2-100).
- Lowest per unit cost of any alternative (for combined, normalized output)
- Fully meets Broward County, WPA planning objectives.
- Strong public & resource agency support (USFWS, FDEP, EPA, Broward County, Miami-Dade County)

Project Costs – Recommended Plan

BCWPA (Alternative A4)

Pre-Construction

Engineering Design (PED):	\$ 22,732,000
Real Estate:	\$281,526,000
Construction:	\$215,073,000
Total:	\$520,073,000
Recreation:	\$ 494,000