

Broward County Water Preserve Areas

Project Overview and Schedule



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Broward County Water Preserve Areas



- **Project History and Significance**
- **Components and Benefits**
- **Monitoring Plan**
- **Estimated Schedule**

Broward County Water Preserve Areas Project History



- 1993 - Greater Everglades Ecosystem Restoration Plan
- 1994 - Lower East Coast Water Supply Planning
- 1994 - Water Supply Preserves
- 1994 - C&SF Restudy Reconnaissance Report
- 1996 - East Coast Buffer Project Feasibility Study
- 1996 - Land Suitability Analysis
- 1996 - Governor's Commission Conceptual Plan
- 1999 - C&SF Restudy Report
- 2001 - Water Preserve Area Feasibility Study
- 2007 - Broward County Water Preserve Areas (PIR/EIS)
- May 2012 – Updated Final PIR/EIS

Significance to the Everglades



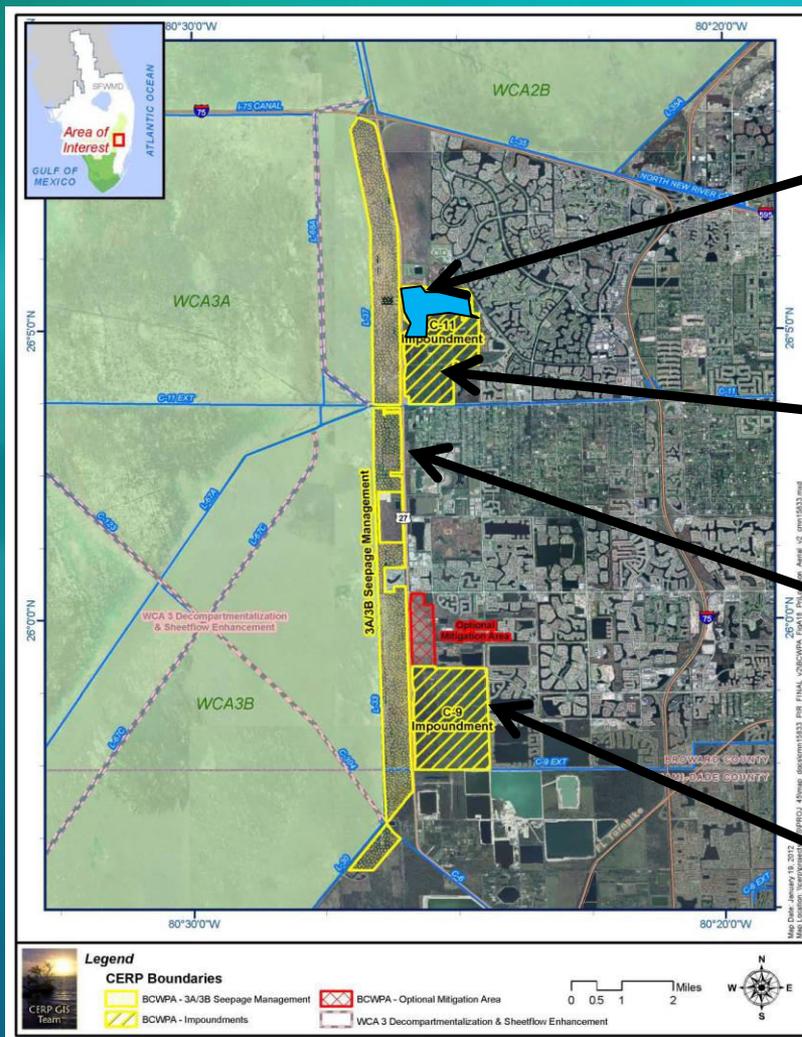
- Part of the Comprehensive Everglades Restoration Plan
- Authorized by Congress in Water Resources Reform and Development Act (WRRDA) 2014



Broward County Water Preserve Areas Project Benefits

- **Retains water in the Everglades by reducing seepage out of Water Conservation Area (WCA) 3**
- **Prevents urban runoff from entering the Everglades**
- **Provides groundwater recharge**

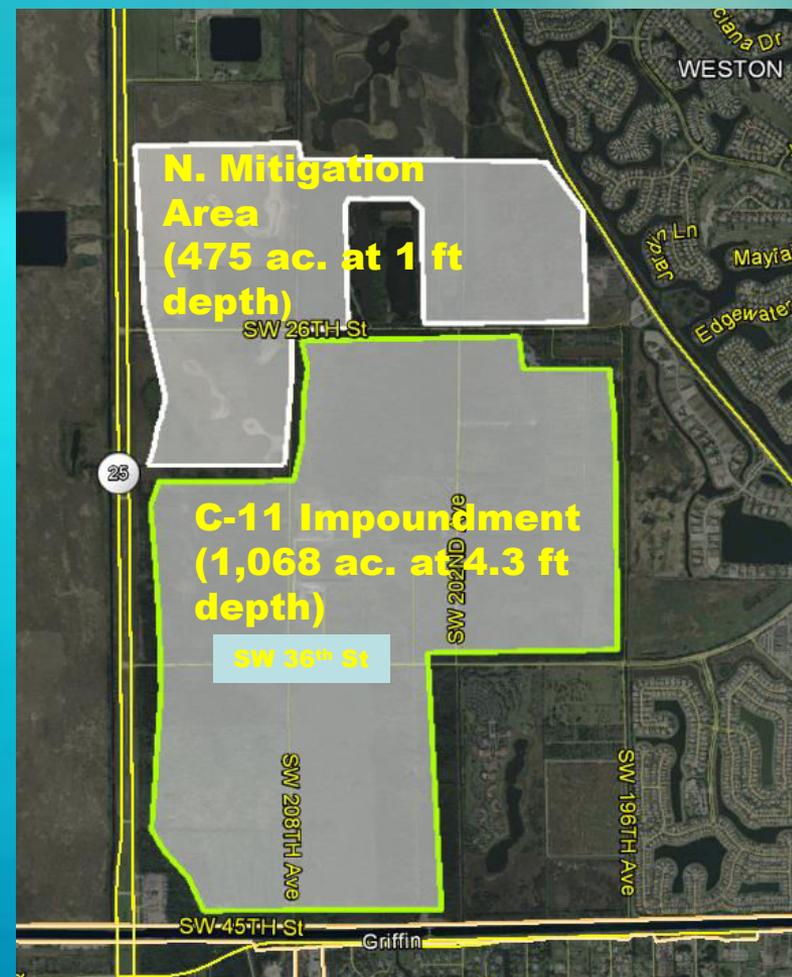
Broward Water Preserve Areas Components and Construction Sequence



1. C-11 Northern Mitigation Area
2. C-11 Impoundment
3. WCA 3A/3B Seepage Management Area
4. C-9 Impoundment

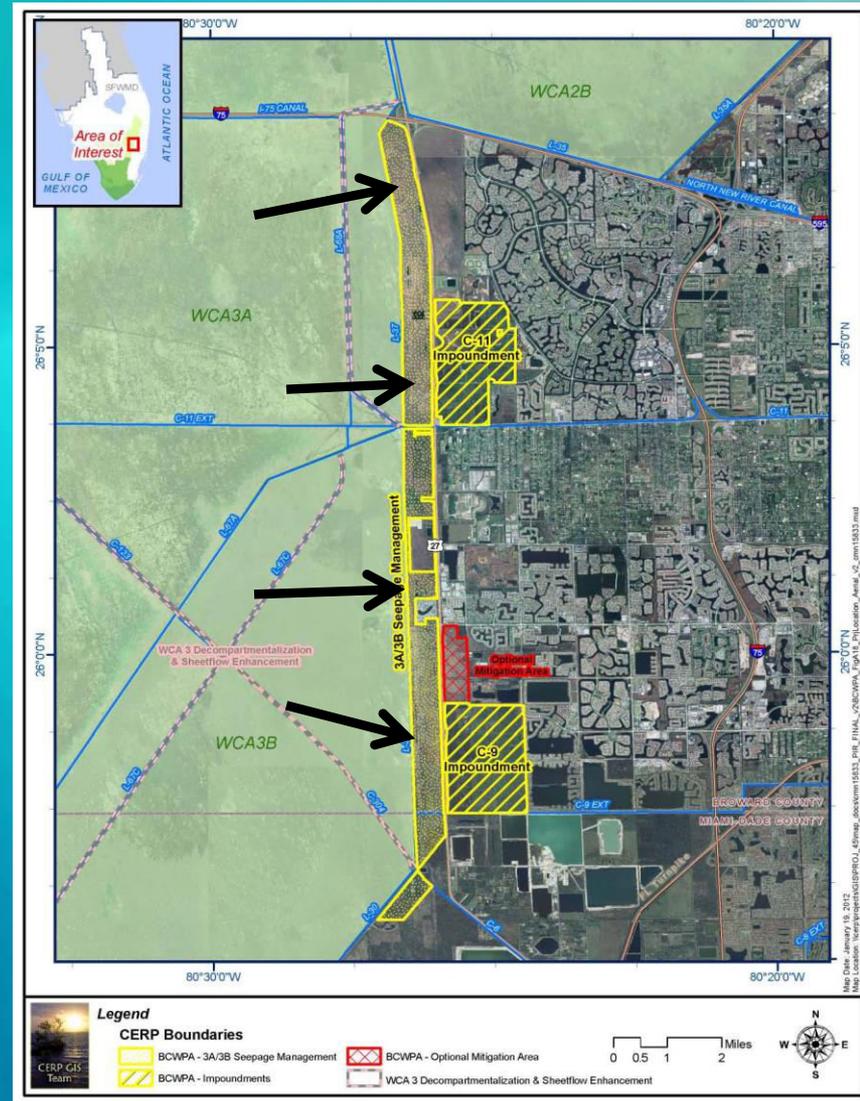
Broward County Water Preserve Areas Northern Mitigation Area and C-11 Impoundment

- Northern Mitigation area includes 475-acre marsh
- C-11 impoundment includes 1,068 acres of water storage at 4.3 feet depth (4,592 acre feet)
- Reduces stormwater discharge to WCAs
- Releases from the impoundment to C-11 canal during dry season to recharge county wellfields, improve groundwater elevations



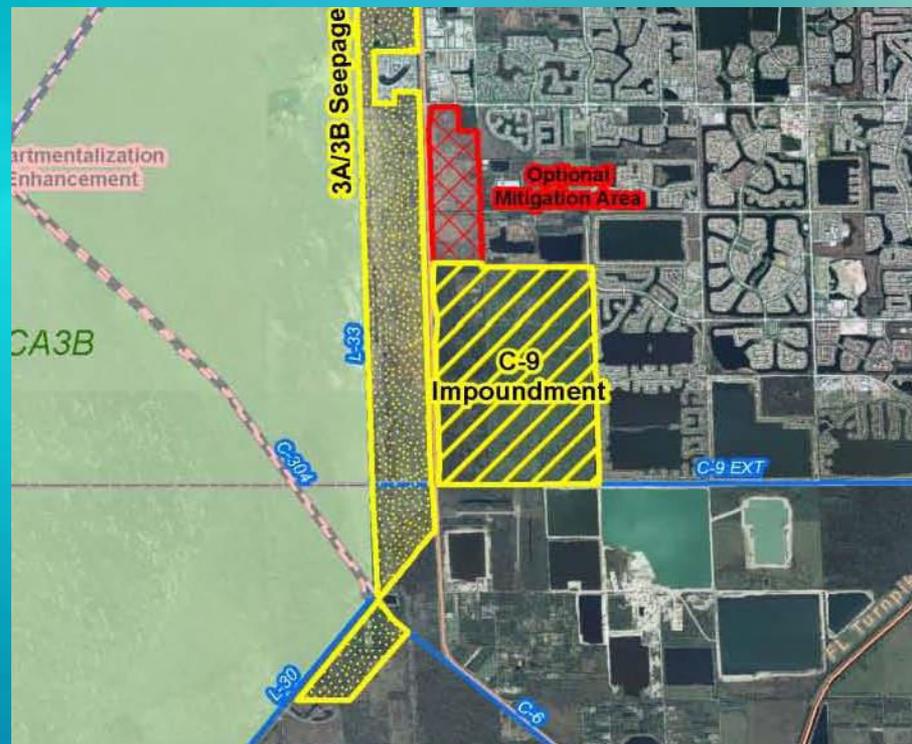
Broward County Water Preserve Areas WCA 3A/3B Seepage Management Area

- Total of 4,353 acres
- One half mile wide by 11 mile long strip between US-27 and WCA 3A/3B
- Reduces seepage of clean water from the WCAs to urban areas to the east by creating a hydraulic ridge
- Connects the two impoundments with a conveyance canal



Broward County Water Preserve Areas C-9 Impoundment

- 1,641 acres (7,056 acre feet of water storage)
- Captures and diverts storm water runoff from the Western C-9 Basin instead of pumping WCAs



Broward County Water Preserve Areas Monitoring Plan



Monitoring Needed:

- Measuring Project Performance
- Adaptive Management
- Address Permit Requirements

BCWPA Project Implementation Report (2012)

- Includes Comprehensive Monitoring Plan
- Currently Under Review by Project Team

Broward County Water Preserve Areas Estimated Schedule



- **FY16: Design of C-11 NMA and Impoundment**
- **FY17: C-11 NMA Construction Award**
- **FY18: C-11 Impoundment Construction Award**
- **FY19: Design of WCA 3A/3B Seepage Management Area**
- **FY20: WCA 3A/3B Seepage Management Area Construction Award**
- **Design and Construction of C-9 Impoundment To Be Decided**

Questions?

