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Marjory Stoneman Douglas
"The Everglades:
River of Grass"

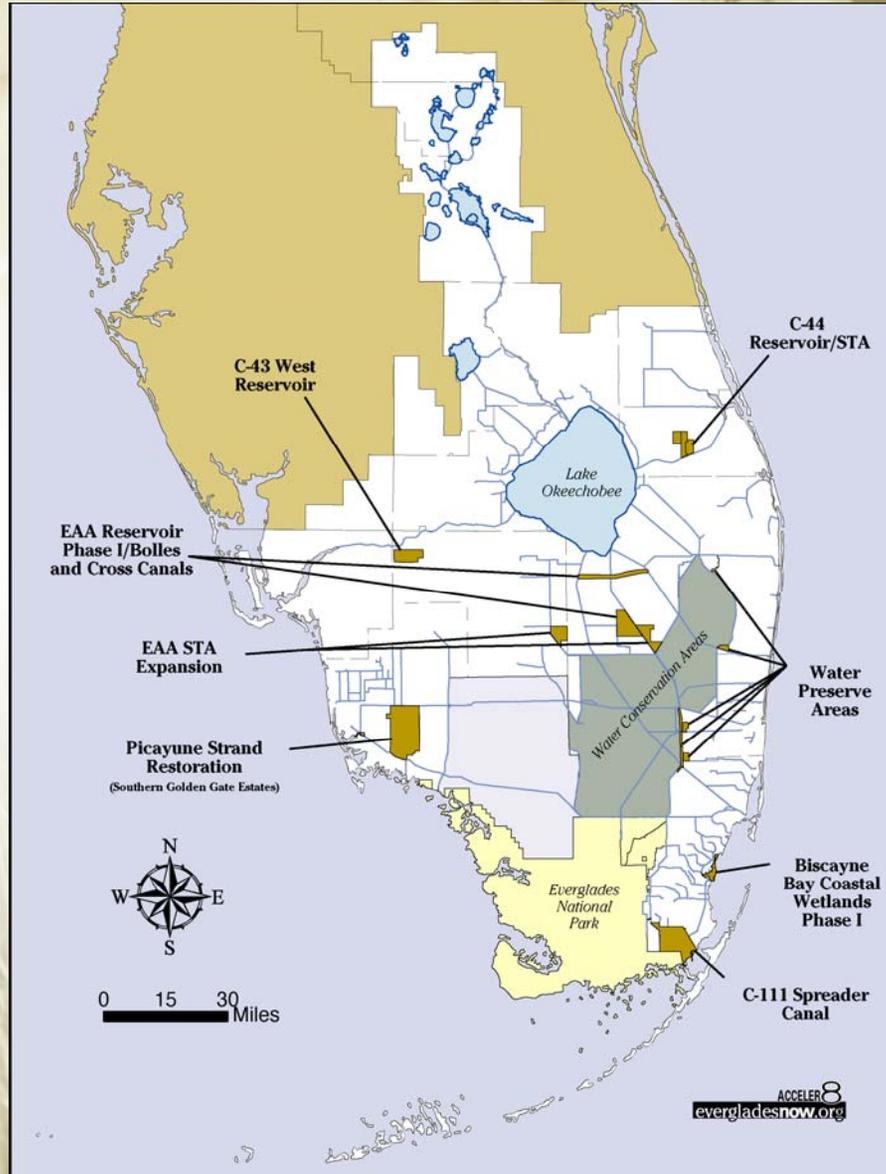


Working Group Meeting January 26, 2005

Kenneth G. Ammon, P.E.
Assistant Deputy Executive Director
Acceler8 Program

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Everglades Restoration Accelerated Projects

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

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Project Name	Acceler8 Design and COE Planning Schedule		
	Acceler8*		USACE
	BODR	Preliminary Design 30%	Tentatively Selected Plan (TSP)
Biscayne Bay Coastal Wetlands	30-Sept-05	20-Jul-06	21-Jun-05
C-111 Spreader Canal	14-Oct-05	29-Sep-06	7-Sep-05
Picayune Strand Restoration	24-May-05	22-Sep-05	Complete
C-43 West Storage Reservoir	12-Apr-05	26-Oct-05	8-Jun-05
C-44 Storage Reservoir / STAs	5-Dec-05	19-Jun-06	Complete
EAA Storage Reservoir – Phase 1A	6-Jun-05	24-Oct-05	7-Apr-05
EAA Bolles & Cross Canals	23-Jan-06	31-Jul-06	7-Apr-05
EAA STA Compartment B			
Expansion (Cell 4)	12-May-05	14-Jun-05	N/A
Build-Out (North)	10-Jan-06	15-Mar-06	N/A
Build-Out (South)	10-Jan-06	15-Mar-06	N/A
EAA STA Compartment C			
Expansion (STA 6-2)	18-May-05	20-Jun-05	N/A
Expansion (STA 5-FW 3)	2-Jun-05	5-Jul-05	N/A
Build-Out	10-Jan-06	15-Mar-06	N/A
WPA Acme Basin B Discharge	25-Apr-05	19-Jul-05	31-May-05
WPA Site 1 Impoundment	11-Jul-05	14-Nov-05	9-Feb-05
WPA WCA 3A/3B Levee Seepage	8-Aug-05	28-Nov-05	7-Jan-05
WPA C-11 Impoundment	1-Aug-05	21-Nov-05	7-Jan-05
WPA C-9 Impoundment	1-Aug-05	14-Nov-05	7-Jan-05

*DLT Approval Date

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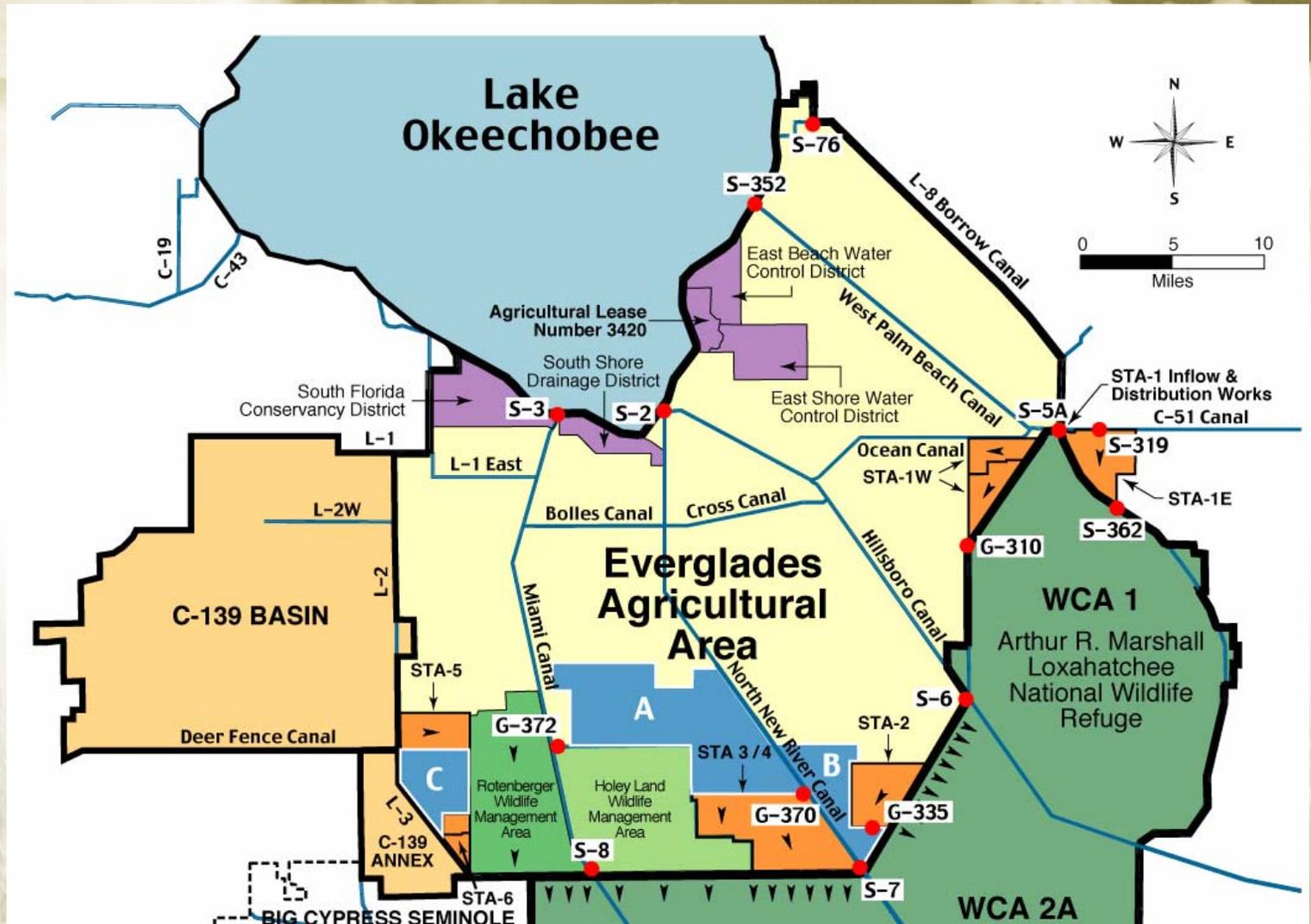
What is a Basis of Design Report (BODR)?

- Documentation of project goals, objectives, and key performance measures
- Written description of the project's structural and general operational intent
- Documentation of design requirements and standards
- Documentation of any preliminary modeling results
- Summary of permitting requirements
- Preliminary cost estimates
- Will provide the basis for 30% design documents

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Acceler8

STEPPING UP THE PACE TO RESTORE AMERICA'S EVERGLADES

EAA Reservoir: Test Cell Program

The first Acceler8 project is now under way with groundbreaking of the Test Cell Program for the EAA Reservoir. This event celebrates an important fact-finding task relating to the design and construction of the reservoir, which will provide significant additional water storage in Palm Beach County for the Everglades Agricultural Area (EAA). When complete, Phase I of the EAA Reservoir will hold 100,000 acre-feet of water at an approximate depth of 12 feet.

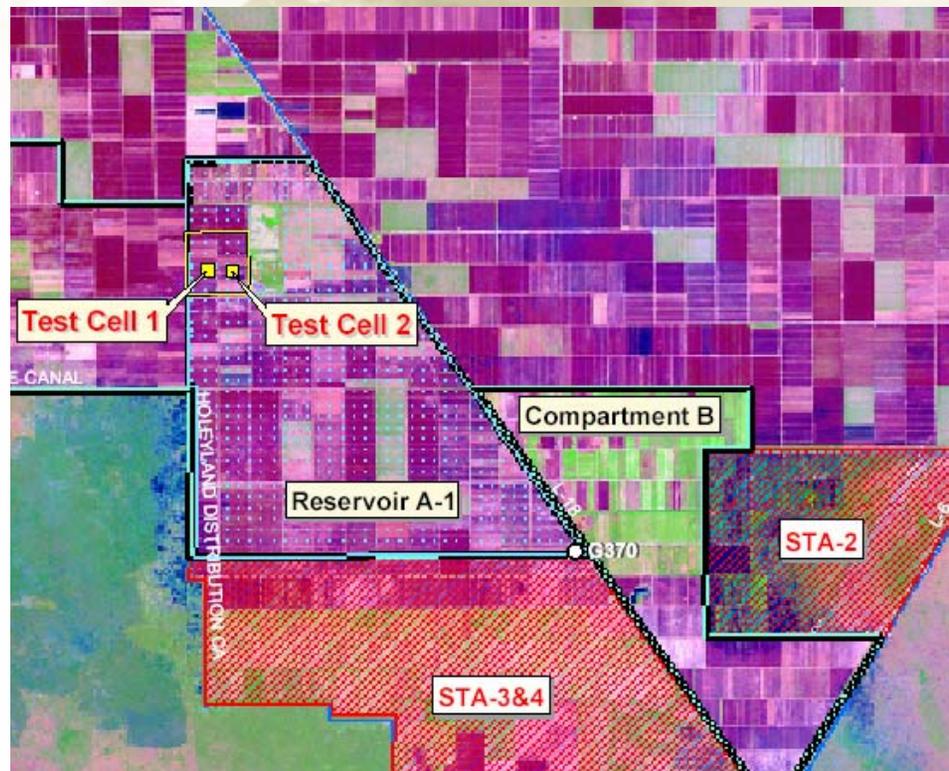
Need for Pre-Construction Testing

Controlling water seepage in South Florida's porous limestone, muck soils and sand is a challenge in constructing above-ground reservoirs. This Test Cell Program is a full-scale field construction and operation project that will provide engineers with seepage data for assessing embankment design and reservoir operation.

Two temporary test cells are being constructed of varying design and materials. Each cell, 500 feet square, will mimic the 12-foot depth of the full-size reservoir. Together the cells will hold 24 million gallons of water. One test cell will include a cutoff wall inside the embankment, to a depth of 30 feet. After construction, the cells will be filled with water and monitored for approximately four weeks. By measuring the amount of seepage from each cell, engineers can assess embankment design, construction materials and operating costs, thereby optimizing the requirements for building an effective and efficient storage reservoir.

Test Cell Benefits

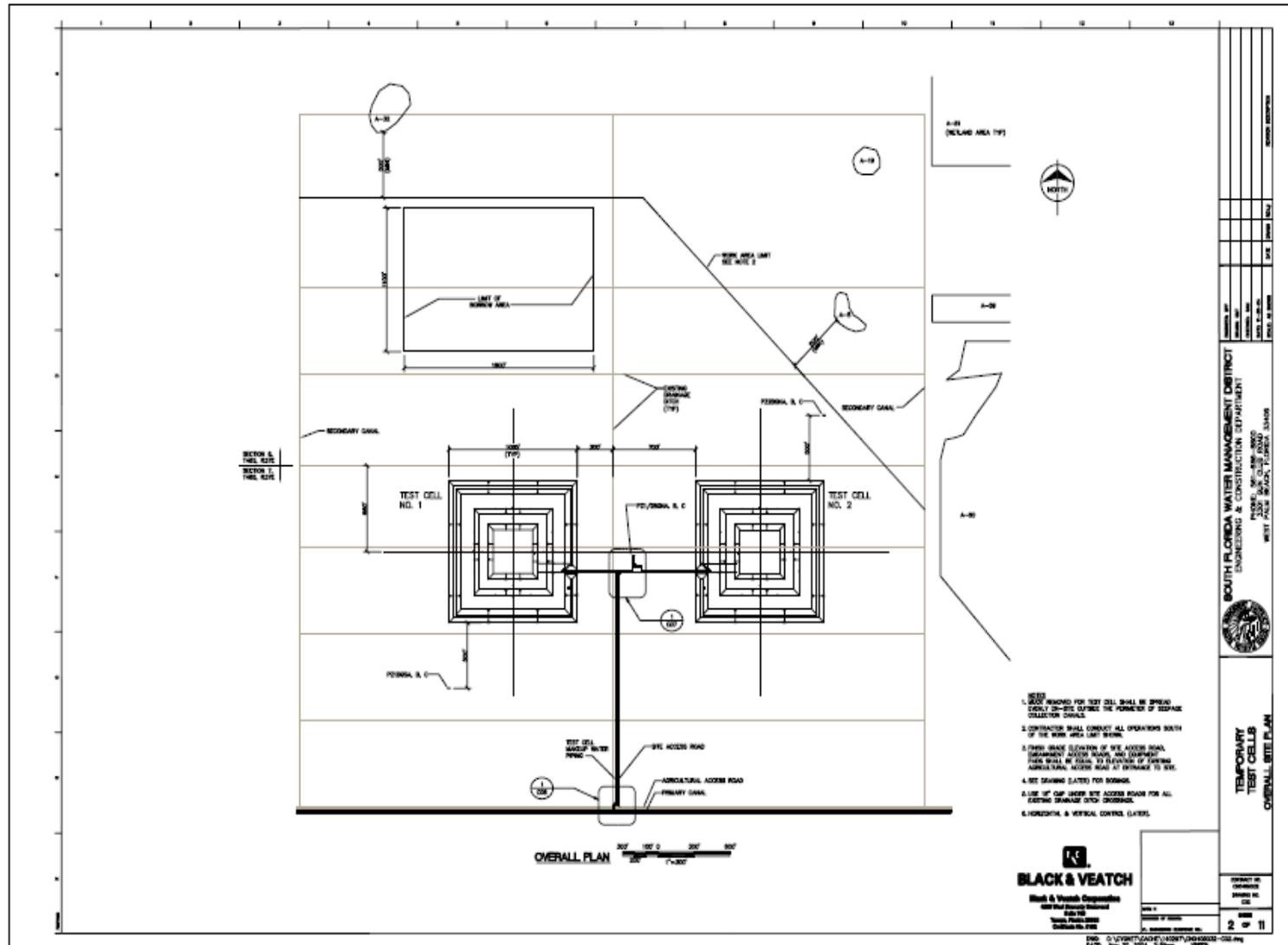
Protecting the public's investment of more than \$300 million in building the full-scale EAA Reservoir is the ultimate goal of the Test Cell Program. This short-term, carefully planned assessment of reservoir design, materials and costs will provide for long-term success of this vital project.



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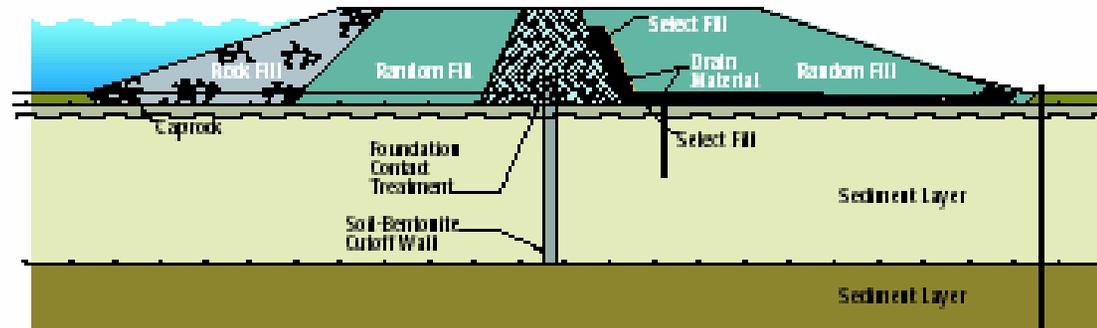
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EAA RESERVOIR: TEST CELL PROGRAM



Test Cell No. 1
Embankment Cross-Section



Test Cell No. 2
Embankment Cross-Section



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Test Cells - Objectives

- **Obtain performance data**
 - Total seepage from the reservoir
 - Non-recoverable seepage
 - Validation of horizontal to vertical permeability ratios
- **Evaluate suitability of on-site materials**
 - Embankment construction
 - Cap rock for slope protection
 - Cap rock for chimney & drain materials

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Summary

- Acceler8 Projects BODR or 30% design underway
- COE PIR schedules modified to meet Acceler8 requirements
- Periodic briefing to WRAC & Working Group
- EAA Phase I reservoir test cells under construction

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Questions