



**South Florida
Ecosystem
Restoration
Guidance Memoranda
Status**

restoration
restoration

WRAC Meeting
September 6, 2007

Background on Guidance Memoranda

- WRDA 2000 requires Secretary Army, with concurrence of Secretary DOI and Governor, to promulgate Programmatic Regulations
- Programmatic Regulations published in Federal Register November 12, 2003 and became effective December 12, 2003
- Programmatic Regulations require development and approval of Guidance Memoranda on six program-wide subjects
 - Jointly developed by Corps and SFWMD NLT December 13, 2004
 - Notice in Federal register to allow for public comment prior to approval
 - Approval by Secretary of Army with concurrence of Secretary DOI and Governor

Six Guidance Memoranda

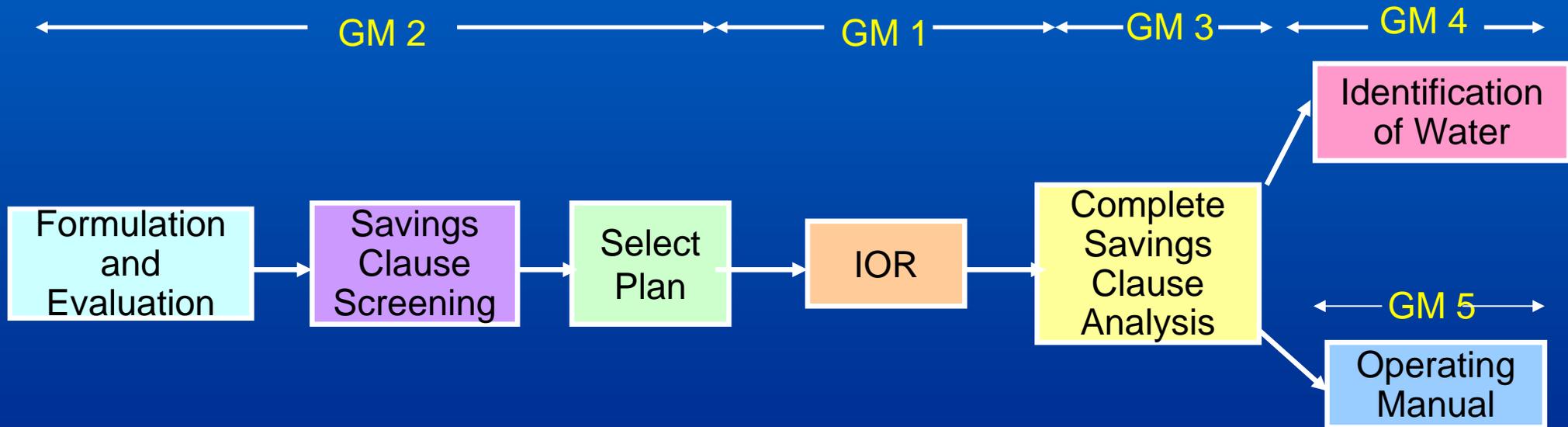
- GM 1: Project Implementation Reports
- GM 2: Formulation and Evaluation of Alternatives for PIRs
- GM 3: Savings Clause Requirements
- GM 4: Identifying Water Made Available for the Natural System and for Other Water-Related Needs
- GM 5: Operating Manuals
- GM 6: Assessment Activities for Adaptive Management

Development of Guidance Memoranda



- Developed by Interagency team
- Draft GM document posted for public review November 2004
- Final draft document posted for public review May 2005
 - Federal Register notice of availability
 - Significant public concerns about GMs 3 and 4
- Revised final draft posted for informal public review on August 7

Relationship Among PIR Tasks



Key Modeling Assumptions

Existing Conditions Baseline

- Actual conditions at time TSP is identified
- Estimated permitted demands at the time TSP is identified
- Existing operations of C&SF Project at time TSP is identified
- Non-CERP activities with approved Operating manuals at time TSP is identified
- Authorized CERP Projects with approved Operating Manuals at time TSP is identified

Initial Operating Regime (IOR)

- Estimated conditions at the time that the TSP is identified,
- 20xx demands or estimated permitted demands at the time that the TSP is identified, whichever is greater
- Existing operations of C&SF Project at time TSP is identified
- Non-CERP activities with approved Operating Manuals at time TSP is identified
- Authorized CERP Projects with approved Operating manuals at time TSP is identified
- TSP

Key Modeling Assumptions

Next-Added Increment Baseline

- 2050 conditions and demands
- 2050 non-CERP activities
- Authorized CERP Projects with approved Operating Manuals at time TSP is identified

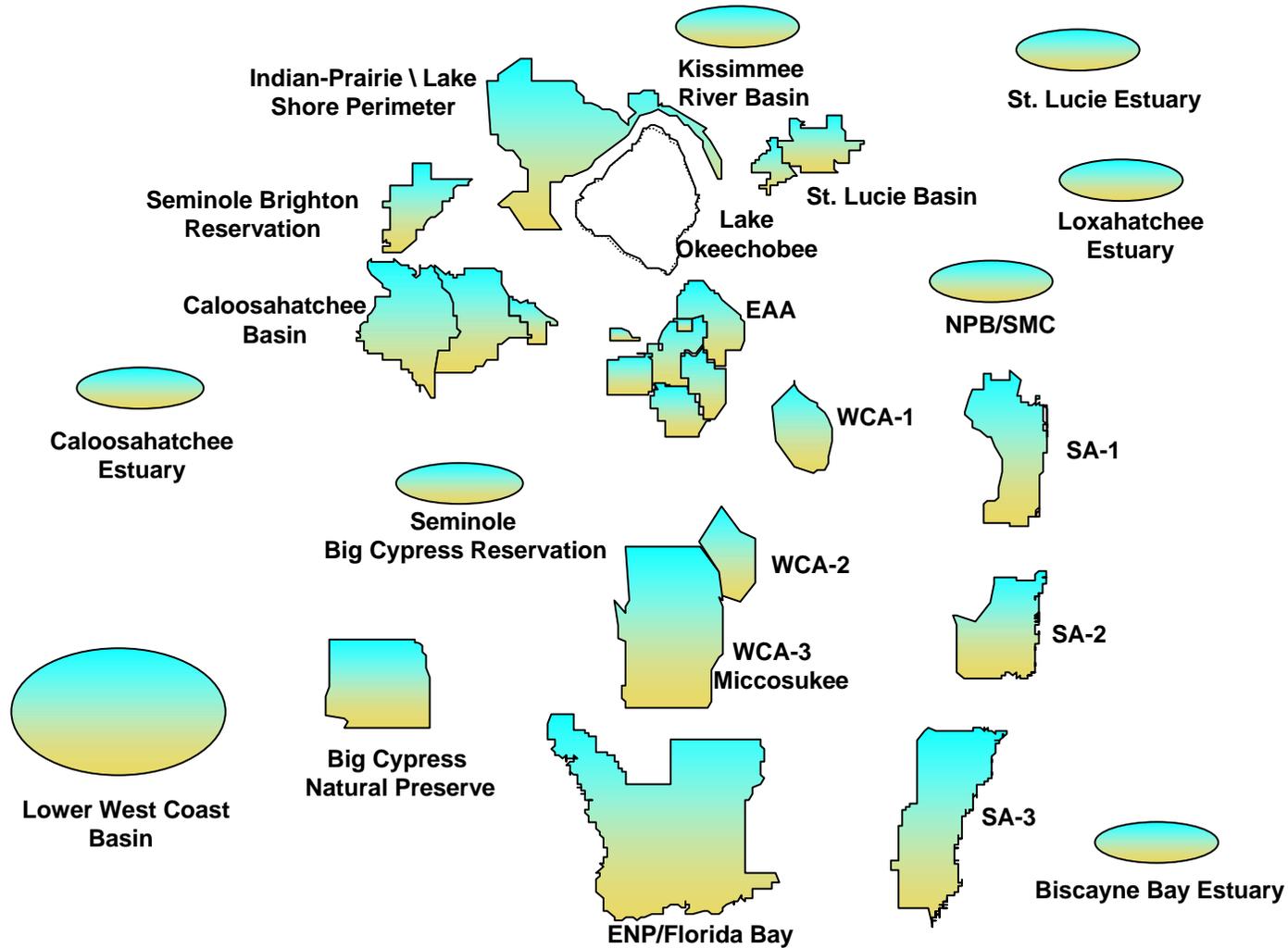
Next-Added Increment Condition

- 2050 conditions and demands
- 2050 non-CERP activities
- Authorized CERP Projects with approved Operating manuals at time TSP is identified
- TSP

GM 3 - Key Savings Clause Concepts

- PDT should conduct preliminary screening during formulation and evaluation phase to determine if alternatives have potential Savings Clause issues
- Full Savings Clause analyses will be conducted on selected alternative plan
- “Intervening non-CERP activities” may need to be analyzed
- Savings Clause analyses should also be conducted for modifications to Project Operating Manuals and System Operating Manual
- Savings Clause analyses based on comparison of IOR and Existing Conditions Baseline (or Pre-CERP Baseline)

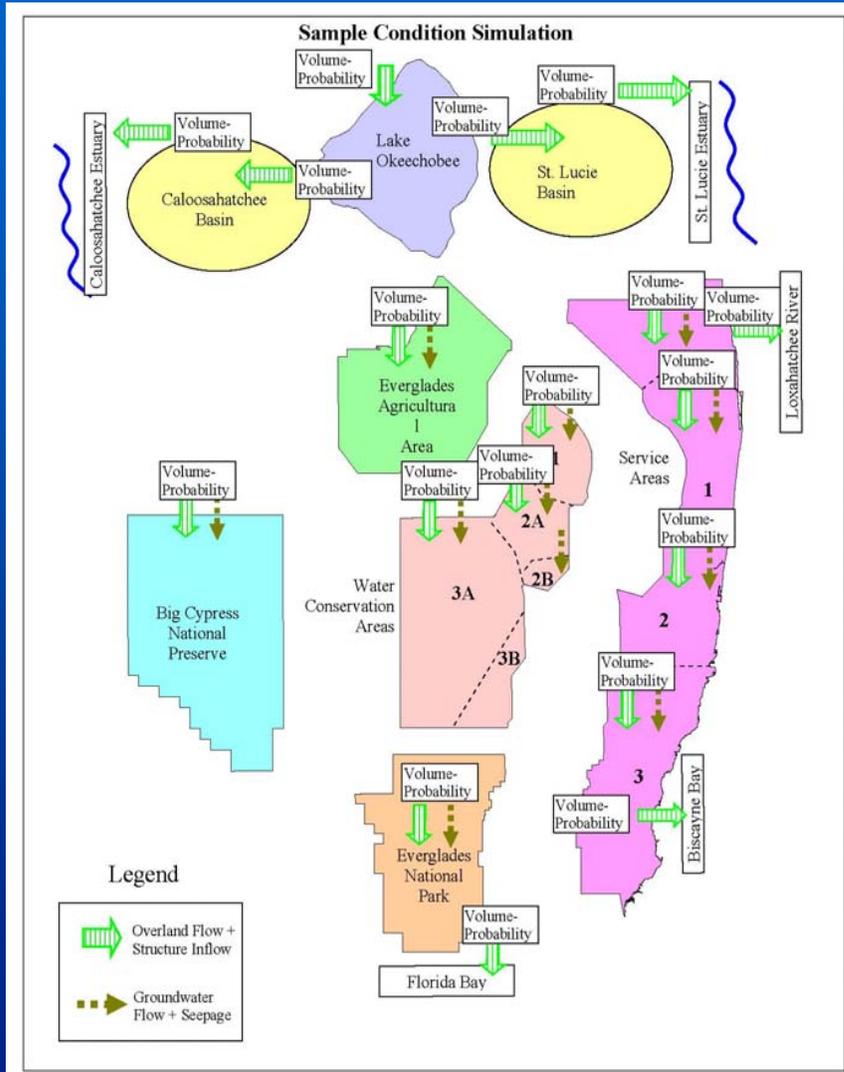
Savings Clause Water Basins



GM 4 - Methodology for Identifying Water

- Develop IOR
- System-wide accounting using water basins
- Water basins identified as natural area or other water-related needs
- Develop inflow volume-probability curves for each basin
- Compare with and without project conditions for IOR and NAI
- Identify water to be reserved or allocated for natural system from IOR comparison for natural system basins

Basins of Interest



Natural System Basins

Everglades

- Water Conservation Area 1
- Water Conservation Area 2
- Water Conservation Area 3
- Big Cypress National Preserve
- Everglades National Park

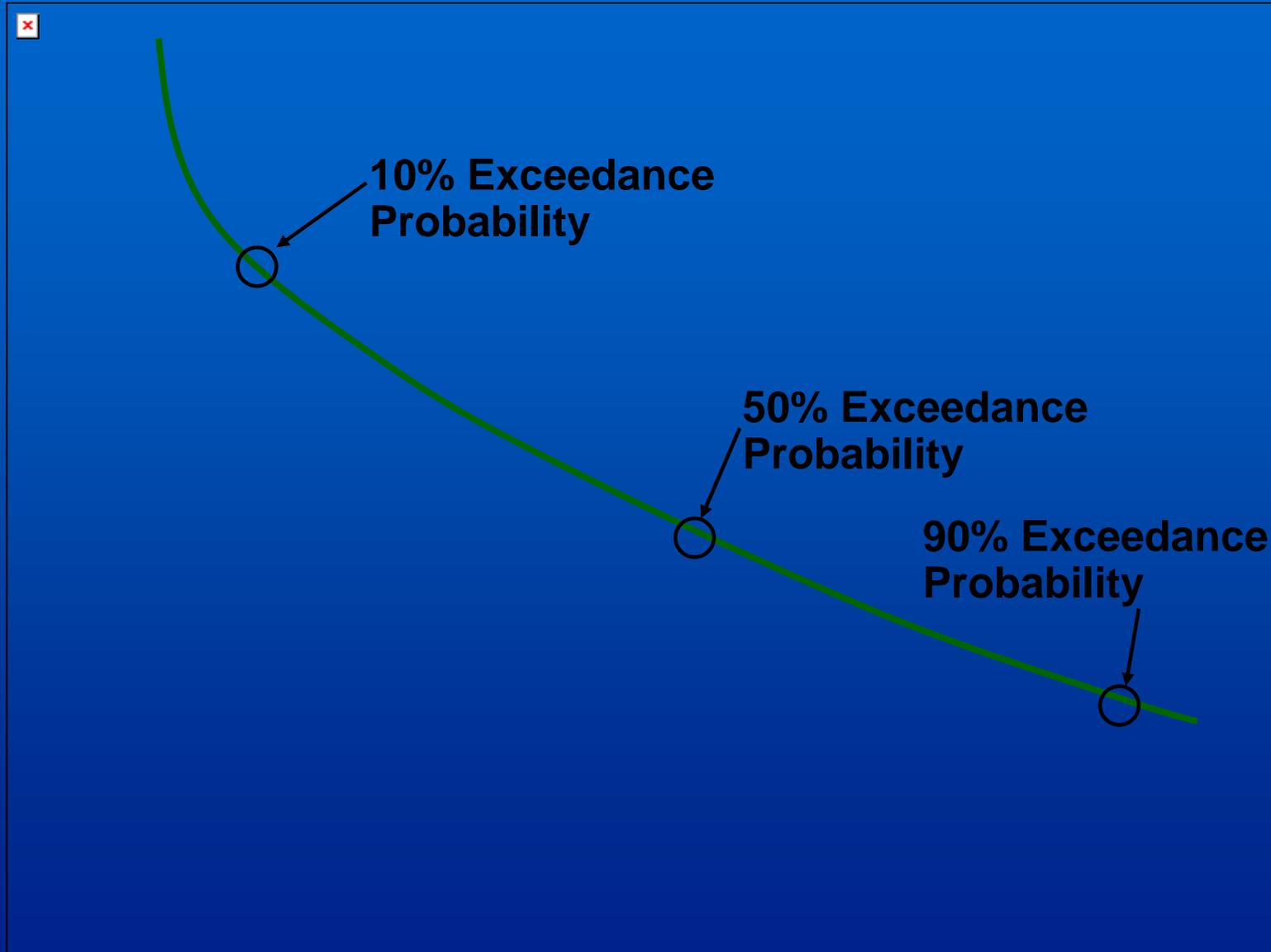
Estuaries

- Caloosahatchee Estuary
- St. Lucie Estuary
- Loxahatchee River
- Biscayne Bay
- Florida Bay

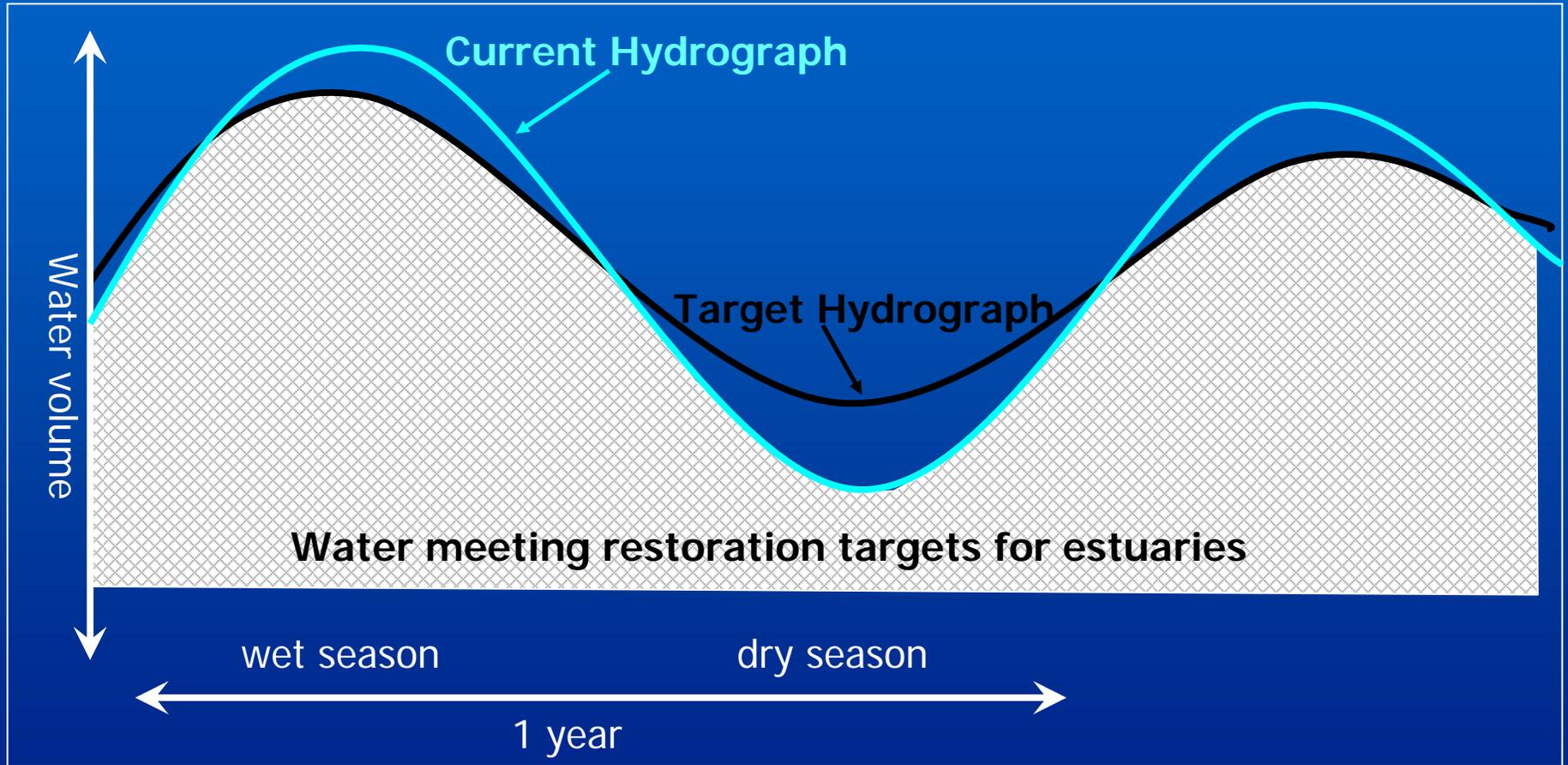
Other Water-Related Needs Basins

- Lake Okeechobee
- Caloosahatchee River Watershed
- St. Lucie River Watershed
- Everglades Agricultural Area
- Indian River/Lake Shore Perimeter
- North Palm Beach and Southern Martin Counties
- Lower East Coast Service Area 1
- Lower East Coast Service Area 2
- Lower East Coast Service Area 3

Inflow Volume-Probability Curve



Water Meeting Restoration Targets for Estuaries



The Road Ahead

- Brief WRAC – September and October
- Brief Task Force - September
- Federal Register Notice of Availability - mid-September
- End of public comment period – mid-October
- Finalize GMs - November
- Obtain concurrence of Secretary DOI and Governor
- ASA(CW) approves GMs



Questions?