



**South Florida
Ecosystem
Restoration
Integrated Schedule
Development**

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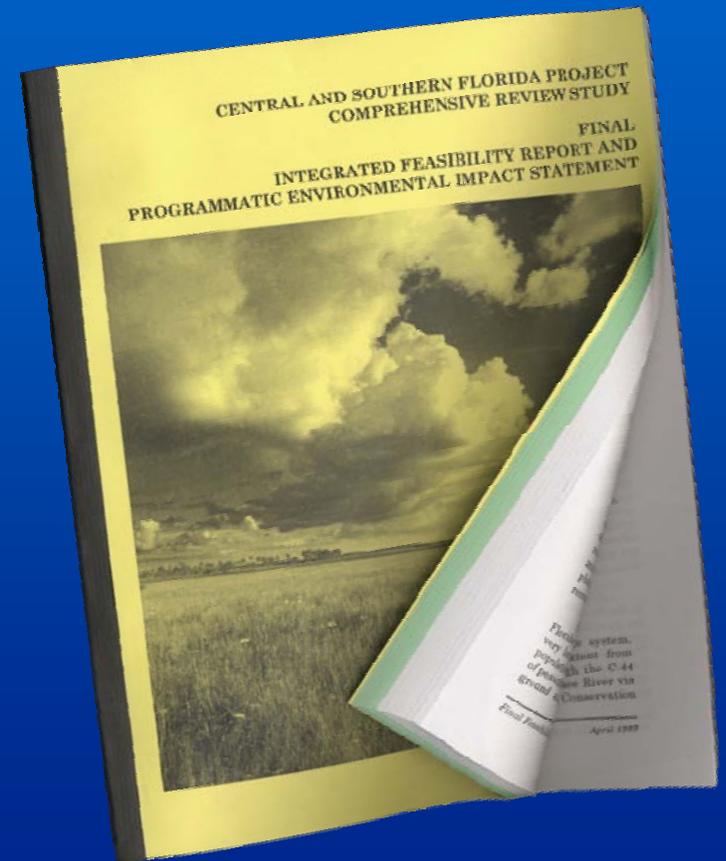
WRAC Meeting
September 6, 2007

Topics

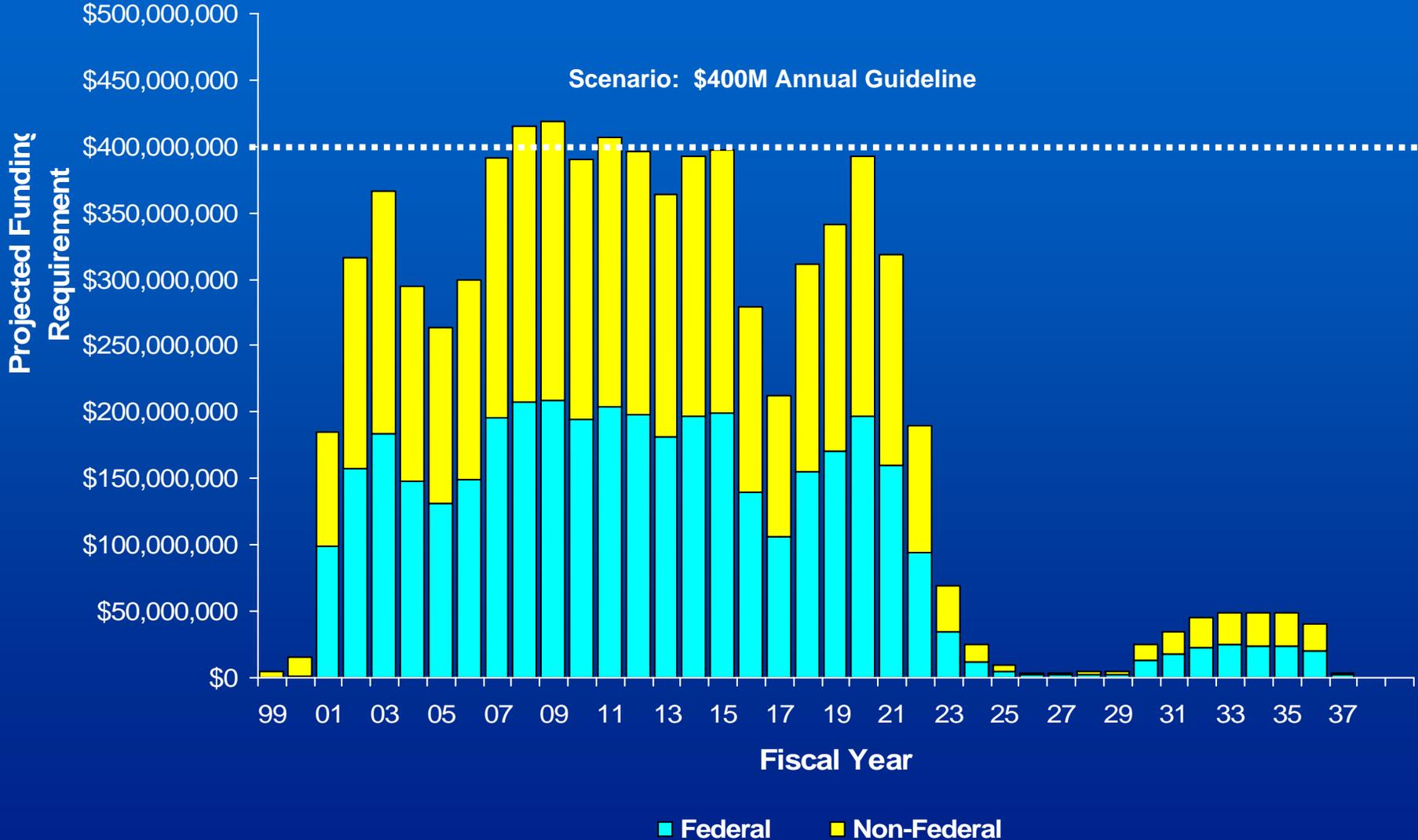
- Background
 - Yellow Book Implementation Plan
 - MISP
- Integrated Schedule
- Next Steps

1999 Yellow Book Implementation Plan

- Contained implementation plan with detailed charts showing sequencing of CERP projects
- Based on annual funding level of \$200M Federal and \$200M non-Federal
- 35+ year implementation period, with most projects completed by 2020+
- Coordinated with stakeholders prior to inclusion in Yellow Book



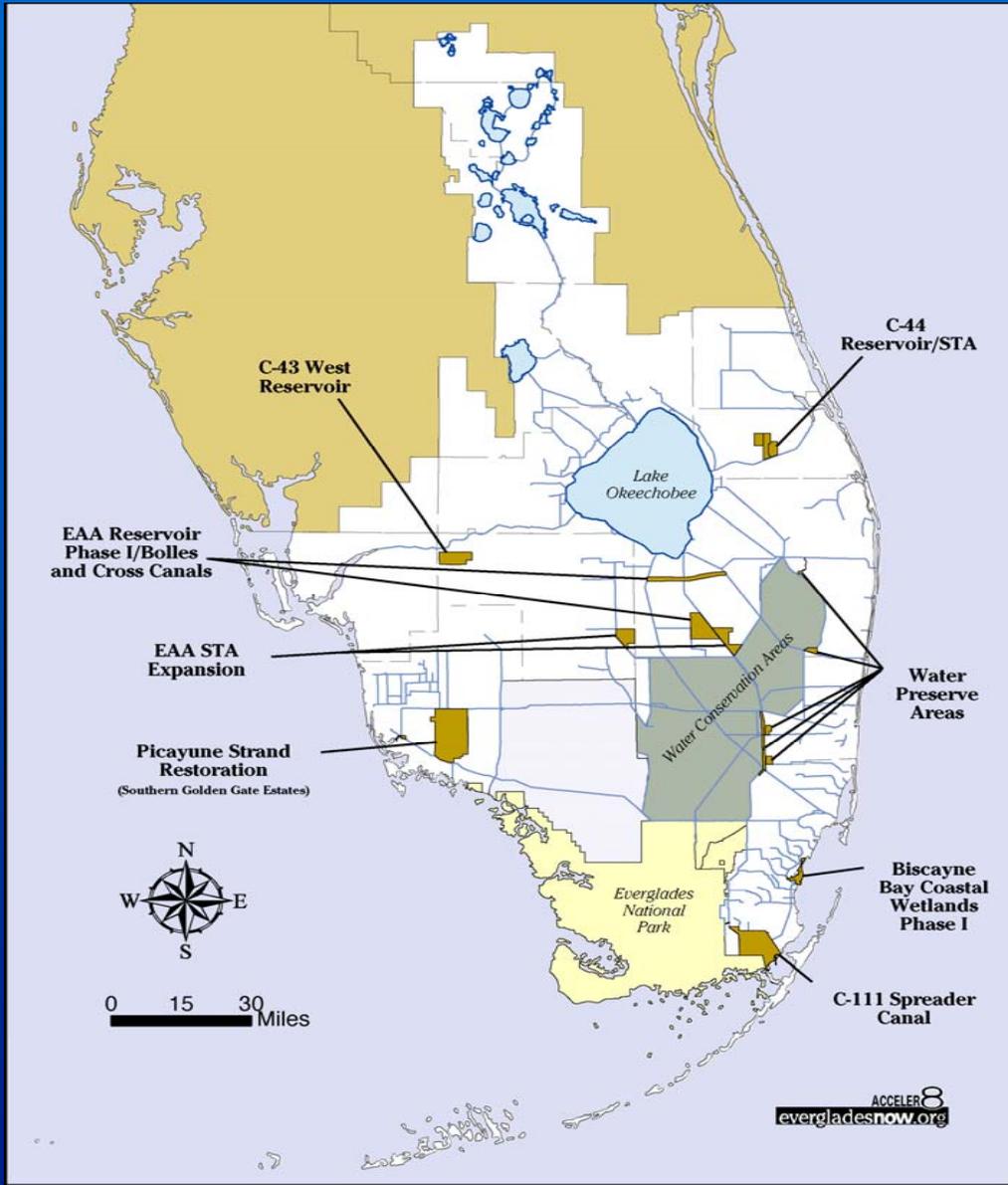
Yellow Book Implementation Plan



Master Implementation Sequencing Plan (MISP)

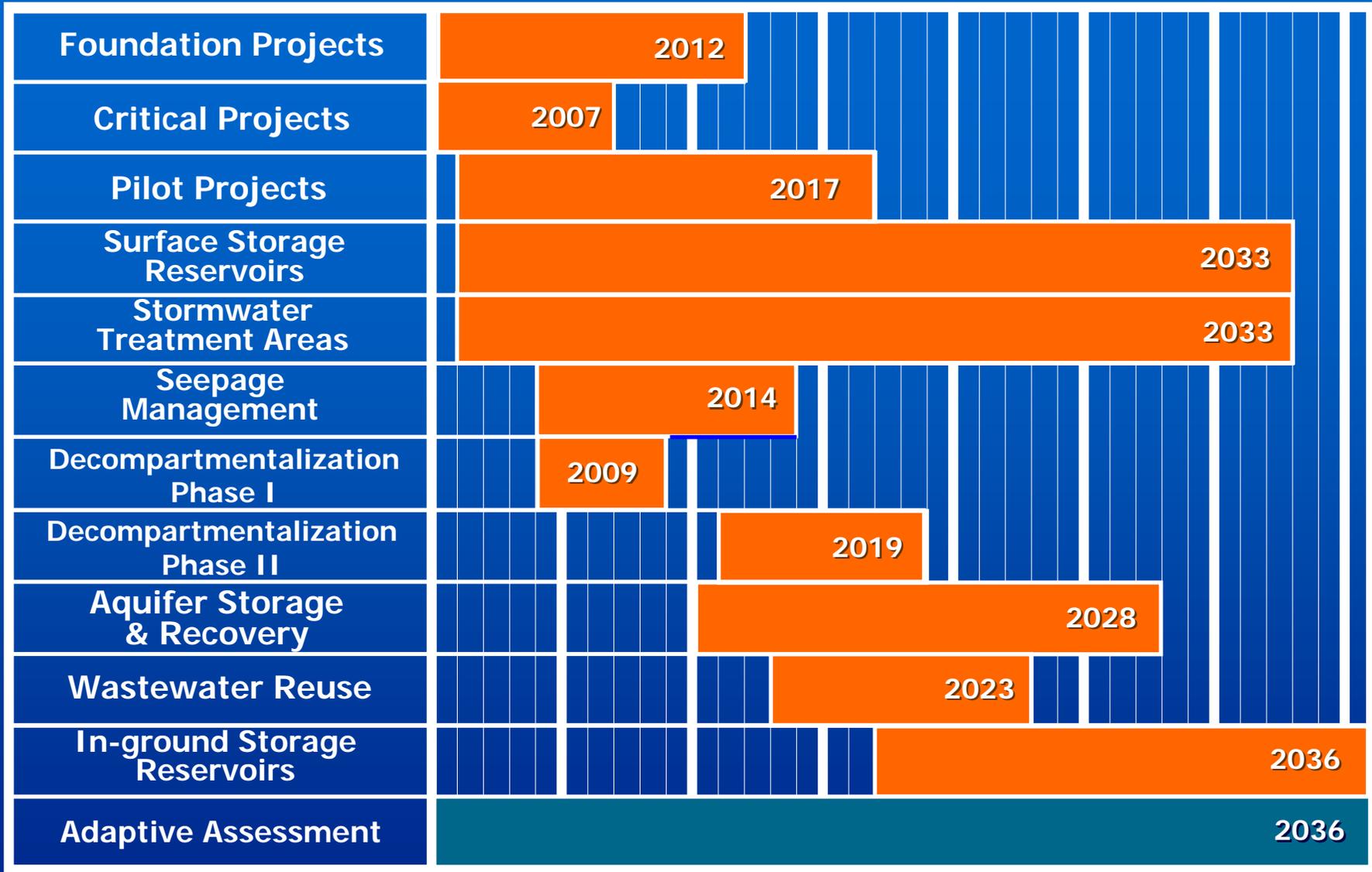
- Required by Programmatic Regulations
- Current version completed in 2005
- MISP defines the order in which the many projects within the South Florida Ecosystem Restoration Program will be planned, designed and constructed
- MISP based on banding - grouping of those products and projects to be accomplished within specific 5-year time periods
- Includes Acceler8 projects

Acceler8 Projects



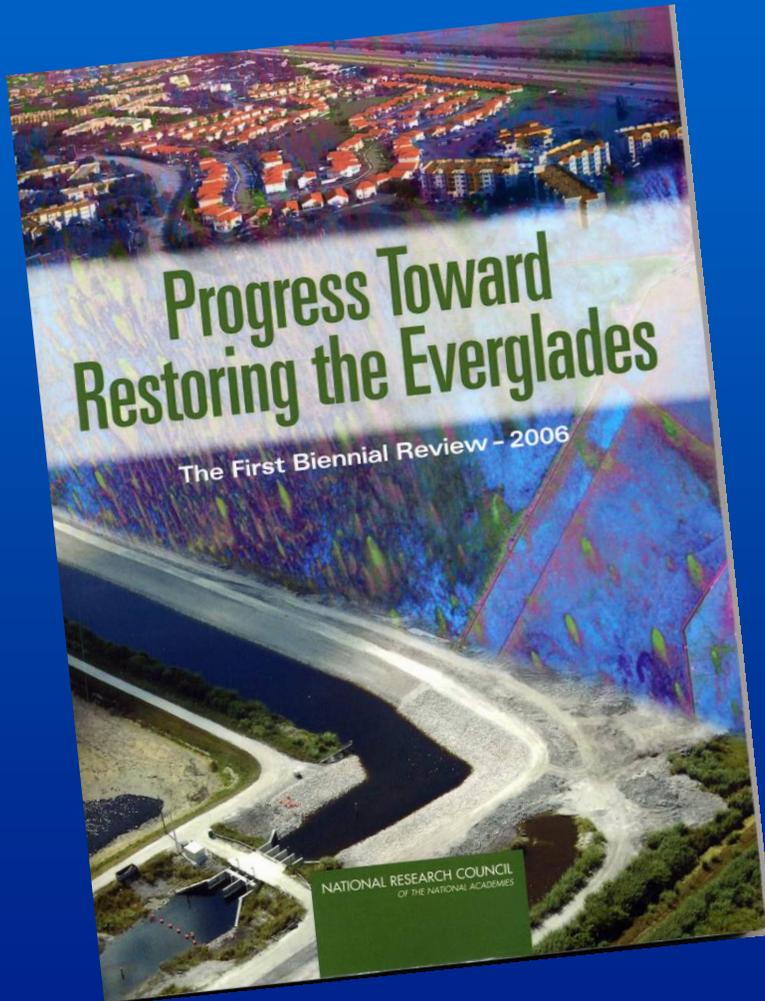
- Announced by the Governor in October 2004 to provide immediate benefits to the South Florida ecosystem
- Cost : \$1.5 billion
- Majority of the projects were a part of the 10 initially authorized projects in WRDA 2000
- Most of the land already in public ownership – acquired with federal and state partnership funds
- Projects are in accordance with the Master Implementation Sequencing Plan

Master Implementation Sequencing Plan



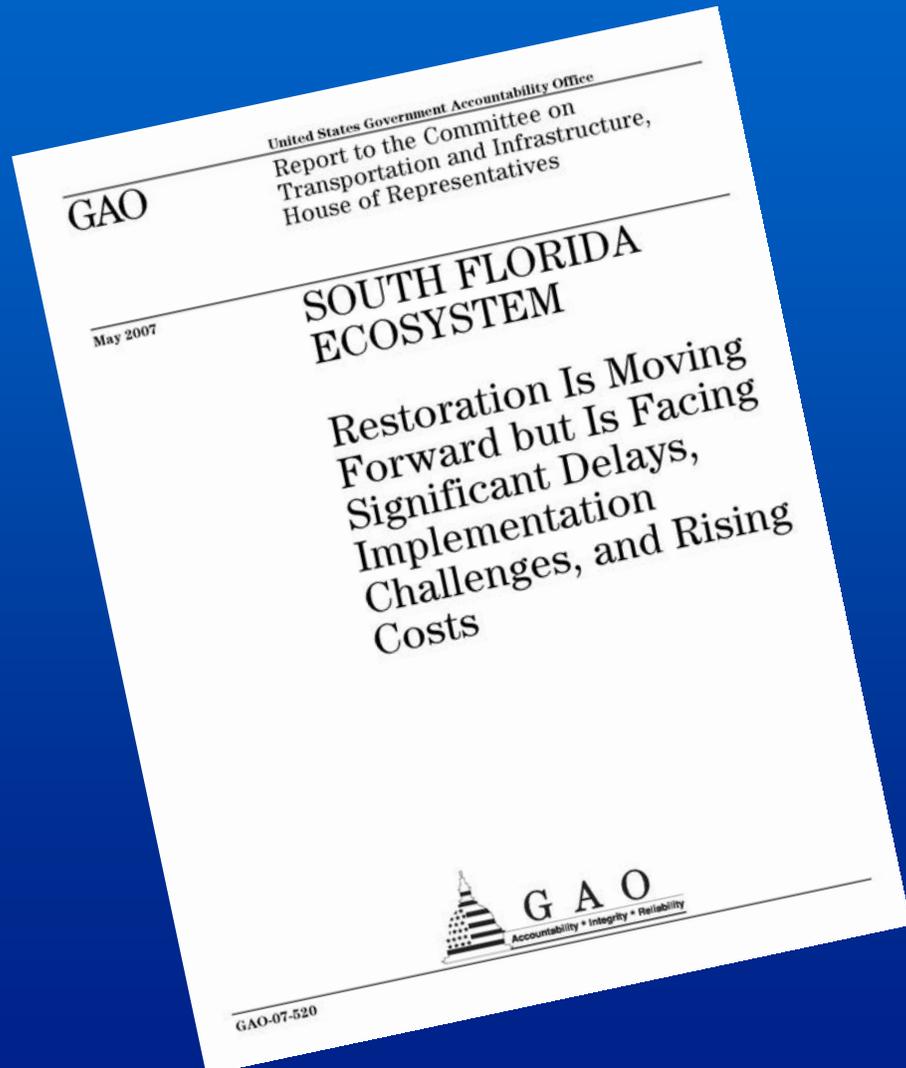
Fiscal Years → 2000 or Prior 2005 2010 2015 2020 2025 2030 2035
 Band 1 Band 2 Band 3 Band 4 Band 5 Band 6

NAS Report to Congress



- Biennial report required by WRDA 2000
- Recommended Incremental Adaptive Restoration (IAR) approach to accelerate natural system restoration
 - Make investments that are significant enough to produce benefits while resolving scientific uncertainties
- IAR not simply reshuffling of priorities in project implementation schedule
- IAR approach supports adaptive management

May 2007 GAO Report



- Core group of projects behind schedule
- No overarching sequencing criteria used for decision-making
- Implementation decisions mostly driven by availability of funds
- Sequencing plan in 2005 not consistent with criteria established by the Corps
 - Sequencing driven by technical dependencies

What's Wrong with the Existing Sequencing?

- Changes since Yellow Book
 - No Water Resources Development Acts since 2000
 - No new construction starts in Federal budgets
- Existing sequencing does not provide for early project benefits
- IAR concepts not incorporated into sequencing
- Need to focus resources



What's Needed - An Integrated Schedule

- Focus on delivering meaningful restoration benefits as early as possible
- Phase large projects as necessary to provide early benefits
- Include foundation projects as well as CERP in program sequencing
- Include new programs such as LOFT and Lake Okeechobee Restoration
- Update existing project schedules to provide current status and practical timelines for implementation

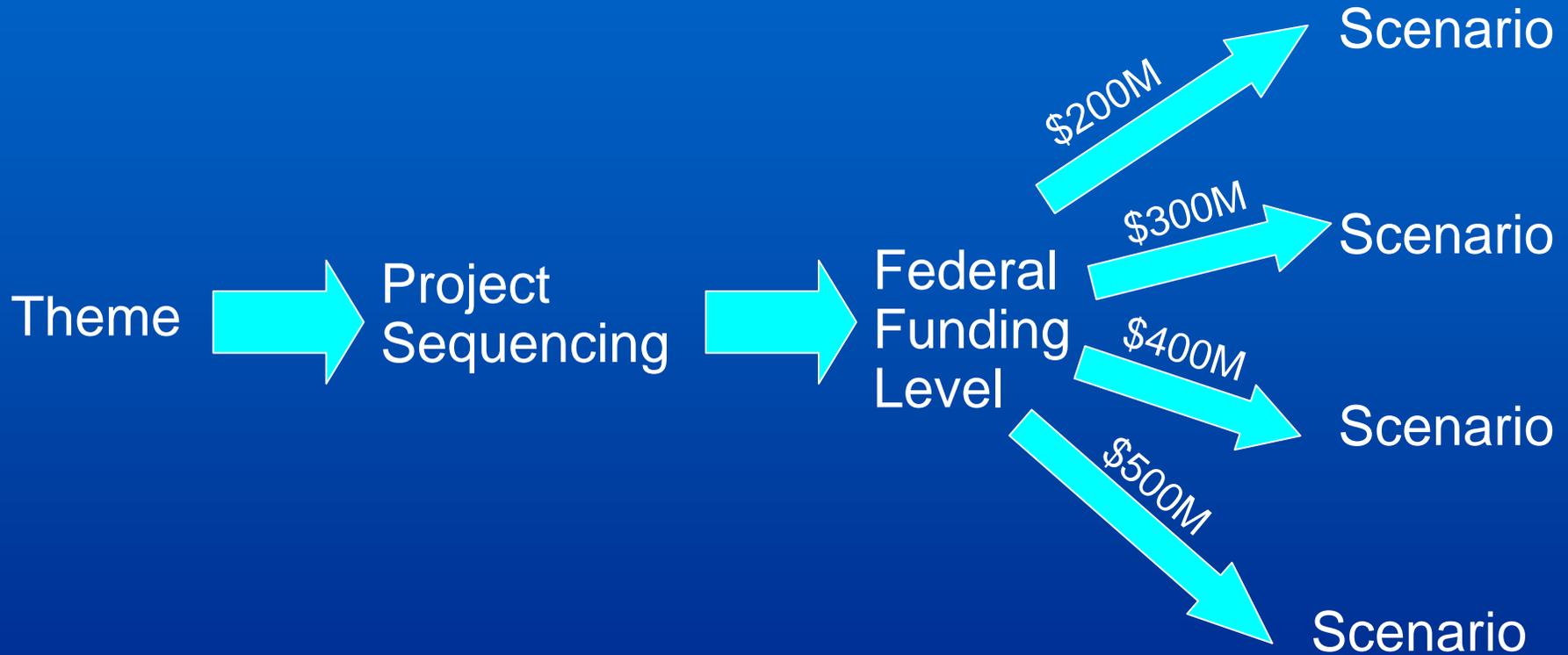
Integrated Schedule Guiding Principles

- Projects should be implemented in sequence that achieves goals at earliest possible time, consistent with funding
- As appropriate, physical dependencies should drive order of projects
- As appropriate, projects should be broken into multiple PIRs to facilitate IAR approach
- As appropriate, use the Interim Goals to measure restoration progress
- Key points in implementation are defined by new system operating manuals

PIRs Currently Being Phased

- Everglades Agricultural Area
- C-43 Basin
- Biscayne Bay Coastal Wetlands
- Decompartmentalization
- C-111 Spreader Canal

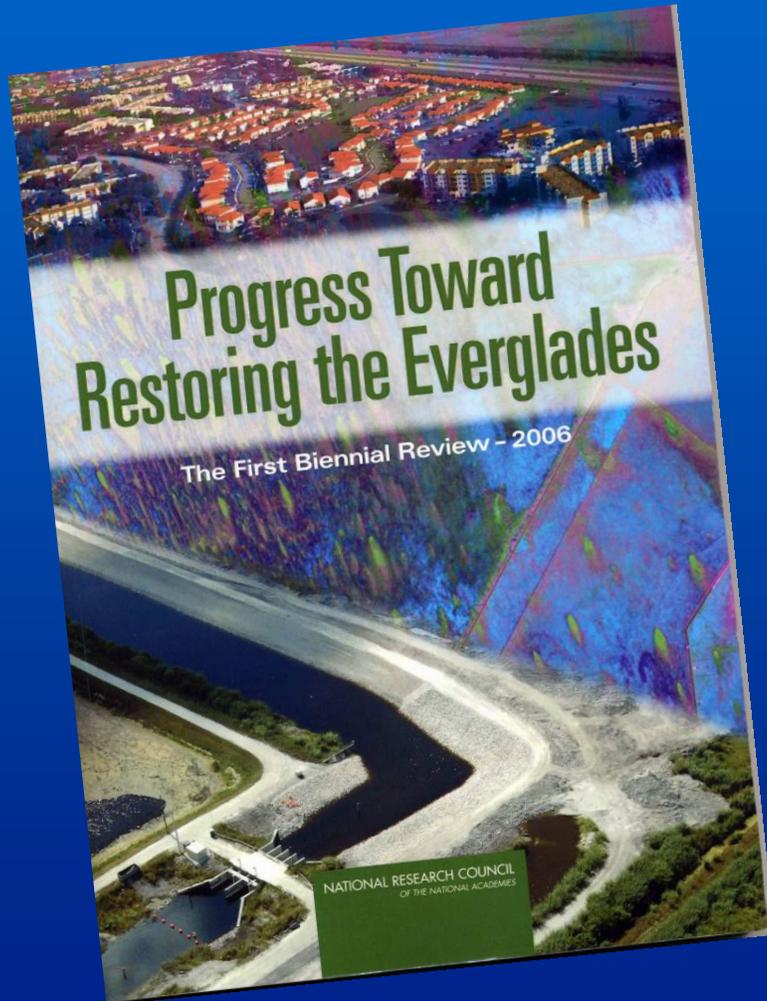
Scenario Development



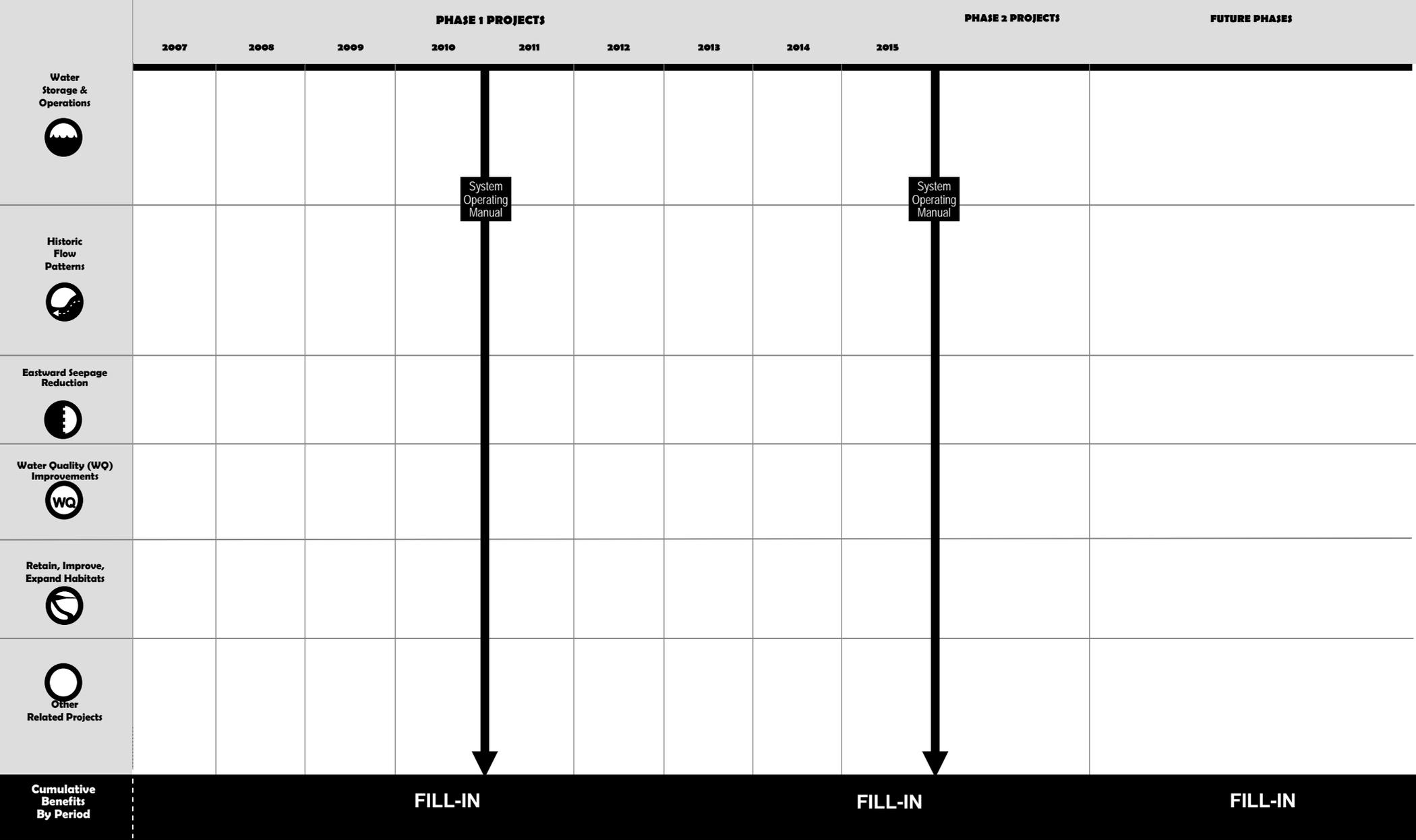
Potential Themes

- Focus on sheetflow restoration
- Focus on northern Everglades restoration
- Focus on storage
- Focus on Lake Okeechobee restoration
- Focus on “biggest bang for the buck”

Critical Components of Restoration (per NAS)

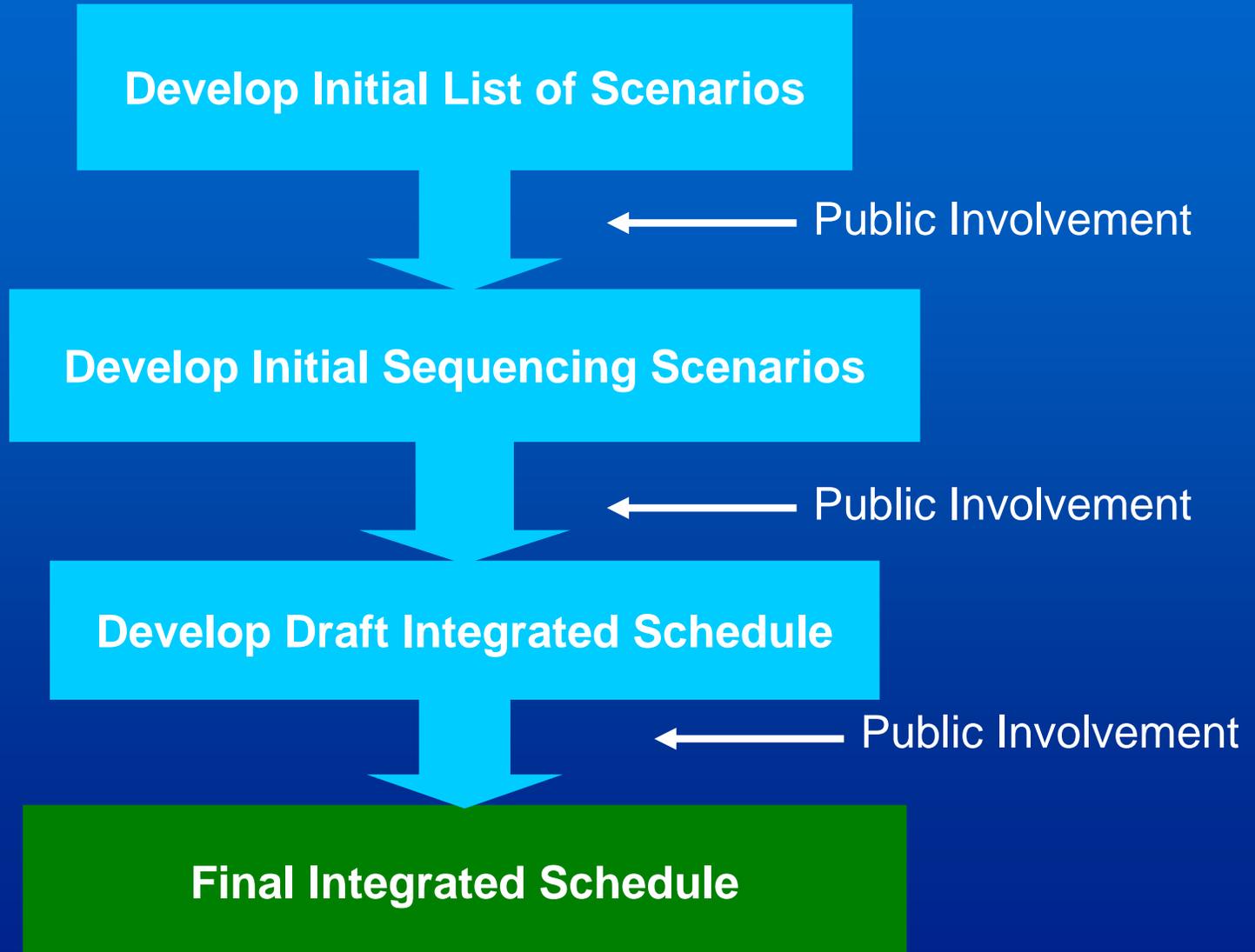


- Sufficient water storage capacity combined with operations
- Deliver and distribute the water to the natural system in a way resembling historical flow patterns
- Barriers to eastward seepage of water
- Methods for securing water quality conditions compatible with restoration
- Retention, improvement, and expansion of full range of habitats



South Florida Everglades Ecosystem Restoration Integrated Delivery Schedule

Integrated Schedule Process



Next Steps

- Finalize list of themes
- Develop initial scenarios based on themes and Federal funding levels

Discussion

