Comprehensive Everglades Restoration Plan

North Palm Beach County Part I

SFWMD Project Manager: Mike Voich, P.E.
Presentation

- Project Area
- Project Goals and Objectives
- Proposed Improvements
- CERP Process, Schedule and Budget
- Current Status of Effort
Project Area
Project Goals and Objectives

- Capture and store/treat excess water currently discharged to the Lake Worth Lagoon

- Use these waters for environmental enhancement of:
  - Loxahatchee River
  - Loxahatchee Slough
  - Grassy Waters Preserve
Project Goals and Objectives

- Improve hydrologic connections between protected natural areas
- Improve the Quality, Quantity, Timing and Distribution of water delivery to the Loxahatchee River and Estuary
Historic Condition
Proposed Improvements

- L-8 Reservoir
- Flow-way #1
- Flow-way #2
- Flow-way #3
- Loxahatchee River
- Jupiter Inlet
- L8 Reservoir
- Flow-way #2
- Grass Waters Preserve
- C-17
- Lake Worth Lagoon Sediment Management
- STA 1W
- STA 1E
- WCA 1

Lake Okeechobee

Proposed Improvements
Project Development Process

Planning

State & Congressional Authorization

Design

Project Cooperation Agreement

Construction

O&M

O&M

Monitoring and Adaptive Assessment

Project Mgmt Plan

Project Implementation Report

Detailed Design

P&S

Construct

Real Estate Acquisition
Initiate Planning Process

1. Identify Problems and Opportunities
2. Inventory Resources and Forecast Conditions
3. Formulate Alternative Plans
4. Evaluate Alternative Plans
5. Compare Alternative Plans
6. Select Recommended Plan

Complete Planning Process - Is the Recommended Plan Acceptable, Effective, Efficient, and Complete?
# Estimated Project Costs*

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<thead>
<tr>
<th>Category</th>
<th>Cost</th>
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<tr>
<td>PMP/PIR</td>
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<tr>
<td>Detailed Design</td>
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<td>Plans and Specs</td>
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<td><strong>Project Total</strong></td>
<td><strong>$425,079,000</strong></td>
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*From April 1999 Feasibility Report*
Current Status – L-8 Reservoir
Current Status – G-160
Current Status – G-161 Structure
Current Status

- Project Implementation Report
- Project Modeling
- G-160/161 revised interim operations
- M-Canal Widening - Phase 1&2
- Control #2 Pump Station
- L-8 Reservoir Pump Station
- Flow-way #2
- Additional L-8 Reservoir Storage
Summary

- Project Implementation Report Phase
- Early Design and Construction efforts by non-Federal Sponsor (SFWMD)
- Inter-basin transfer of water - volumes currently being evaluated
- Cooperation and Partnerships with local government agencies
Proposed Improvements

- L-8 Reservoir
- L-8 Basin
- Flow-way #1
- Flow-way #2
- Flow-way #3
- Loxahatchee River
- Jupiter Inlet
- Lake Worth Lagoon
- Sediment Management

Flow-ways:
- Flow-way #1
- Flow-way #2
- Flow-way #3

Locations:
- L-8
- C-17
- C-18
- STA 1W
- STA 1E
- WCA 1
- TP
- 80