Caloosahatchee River Watershed Protection Plan Update

Northern Everglades Interagency Meeting – May 25, 2011

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Everglades Restoration and Capital Projects
Presentation Outline

Caloosahatchee River Watershed Protection Plan (CRWPP) Update

- Northern Everglades and Estuaries 2007 Legislation
- Agency Responsibilities
- CRWPP Elements, Scope, Outreach and Schedule

CRWPP Update Continued

- Draft Outline
  - Chapter Descriptions
Require development of Caloosahatchee and St. Lucie River Watershed Protection Plans (RWPPs) – completed in 2009

Reporting Requirements
- Annual Status Reports
- Three-year Plan Updates

RWPP updates are due to the legislature by March 1, 2012
Northern Everglades and Estuaries Protection Program

- Lake Okeechobee Watershed Protection Plan
- St. Lucie River Watershed Protection Plan
- Caloosahatchee River Watershed Protection Plan

Coordinating Agencies

SFWMD
- Source Control Program (ERP & watershed reg. nutrient source control program)
- Construction Project
- Research and WQ Monitoring Plan

FDEP
- BMAP/TMDL Update
- FDEP Source Control Program (ex. NPDES, biosolids rule, comprehensive planning)

FDACS
- FDACS Agricultural BMP Program Updates / Implementation Status
- Urban turf fertilizer and animal manure app. rule
Caloosahatchee River Watershed Protection Plans – Elements

- Watershed Pollutant Control Program
- Watershed Construction Project
- Watershed Research and Water Quality Monitoring Program
Caloosahatchee River Watershed Protection Plan Updates – Scope

- Focus on what is new since the 2009 Protection Plans
- Provide updates to the major components of the plans
- Include a section on Basin Management Action Plan/River Watershed Protection Plan differences, reconciliation efforts/schedule
  - However, for this update, water quality evaluations will likely be made without reconciliation
- Water Quality Evaluations - use water quality spreadsheet to assess if the TMDL is met
  - Updated preferred plan projects
  - Include stormwater projects considered in 2009 CRWPP and any new updates from stakeholders

- Water storage evaluations - no new model runs
  - Dispersed water management/water farming activities will be emphasized
Highlight strategies/strategic projects to reduce nutrient loads and increase storage

- Develop a near-term (2012-2015) project/activity list with cost estimates

Reduce reporting redundancy

- Include CRWPP updates as an appendix to the Coastal Ecosystem Chapter of the South Florida Environmental Report (SFER)
- Refer to other SFER chapters as applicable
Caloosahatchee River Watershed Protection Plan Update – Outreach

- Present plan updates to stakeholders as specific plan sections are updated
- Conduct separate meetings at Martin/St. Lucie and Ft. Myers Service centers
  - Kick-off
  - Draft/Final Plan Update presentations
- Conduct one or two combined meetings at Lake Okeechobee Service Center
- Present the updates at LOWRAC, WRAC and GB meetings
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<thead>
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<th>Event Description</th>
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<tr>
<td>Kick-off Plan Updates - NE Interagency Team Meetings</td>
<td>May 2011</td>
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<tr>
<td>NE Interagency Team Meetings</td>
<td>July/August 2011</td>
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<td>LOWRAC/WRAC</td>
<td>July 2011</td>
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<td>Draft Updates to NE Interagency Team Meeting and LOWRAC</td>
<td>September 2011</td>
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<td>Draft Update Public Release</td>
<td>October 2011</td>
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<td>Final Updates to NE Interagency, LOWRAC/WRAC/GB</td>
<td>Dec 2011 /Jan 2012</td>
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<td>Final Plan to the Legislature</td>
<td>March 2012</td>
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Caloosahatchee River Watershed Protection Plan Update – Outline

- Chapter 1 - Introduction
- Chapter 2 - Source Control Program
- Chapter 3 - Construction Project
- Chapter 4 - Research and Water Quality Monitoring (RWQKM) Program
- Chapter 5 - Strategies Moving Forward
Chapter 1 – Introduction

1.1 Purpose and Scope

1.2 Update on Related Restoration and Water Quality Efforts
   - Lake Okeechobee Watershed Protection Plan
   - Total Maximum Daily Loads
   - Best Management Action Plans
   - Numeric Nutrient Criteria

1.3 Caloosahatchee BMAP and River Watershed Protection Plan Update Alignments

1.4 Caloosahatchee River Watershed Boundary and Land Use Updates
Chapter 2 – Caloosahatchee River Watershed Source Control Program

2.1 Introduction

2.2 SFWMD Nutrient Source Control Program
   - Updates on ERP and Regulatory Nutrient Source Control Program

2.3 FDACS Nutrient Source Control Programs
   - Agricultural BMP Program and Implementation

2.4 FDEP Pollutant Source Control Programs
   - Source control programs (NPDES, MS4, master planning, etc.)
   - Biosolid Rule
3.1 Dispersed Water Management Program

- Payment for Environmental Services
- Easements
- Cost-share projects
3.2 Regional and Sub-regional Project Updates

3.3 Local Water Quality Project Updates

3.4 Other Construction Project Components

Billy’s Creek stormwater project
Chapter 4 – Research and Water Quality Monitoring Program

4.1 Status of the Caloosahatchee River Watershed
   - Three-year Ecological Status Update

4.2 Monitoring Programs Updates

4.3 Research Project Updates

4.4 Modeling Updates
Chapter 5 – Strategies Moving Forward

5.1 Strategic Projects and Promising Technologies

5.2 Plan Implementation Challenges

5.3 Comprehensive Project Update List
5.4 Water Quality Evaluation Results

- Evaluate load reduction of the fully implemented plan
- Compare results to TMDL

5.5 Near-term (2012-2014) Project List

- Budget and Funding Requirements
Questions?

https://my.sfwmd.gov/northerneverglades