



# Caloosahatchee River Watershed Protection Plan Update

**Northern Everglades Interagency  
Meeting – May 25, 2011**

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# 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





# Northern Everglades and Estuaries 2007 Legislation

- 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



*Caloosahatchee River  
Watershed Protection Plan*



January 2009

*St. Lucie River  
Watershed Protection Plan*



January 2009

# Northern Everglades and Estuaries Protection Program

Three year Updates/Annual Reports

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



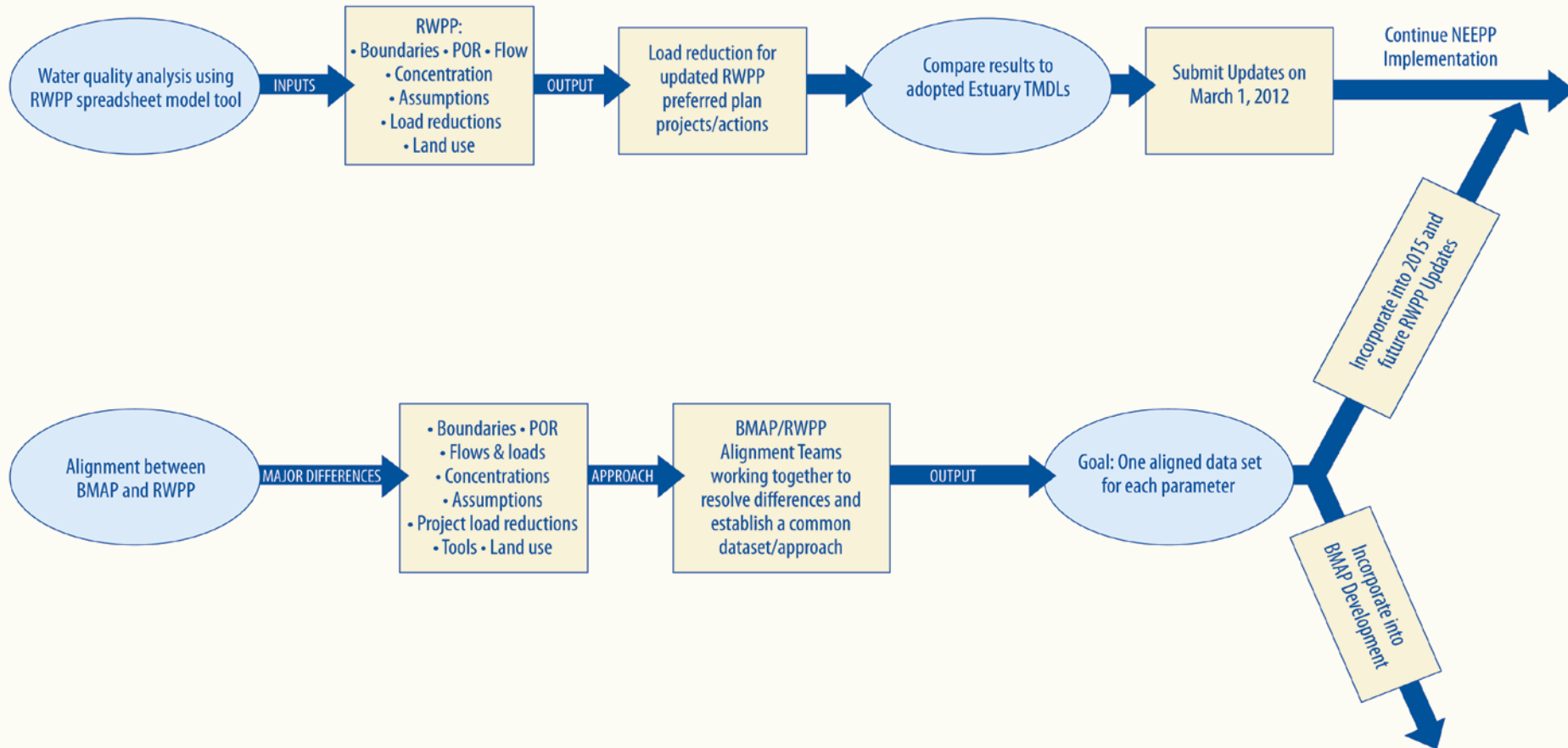


## Caloosahatchee River Watershed Protection Plan Updates – Scope

- 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

# Caloosahatchee and St. Lucie River

## WATERSHED PROTECTION PLAN (RWPP) UPDATES



## Best Management Action Plan (BMAP) Development





## Caloosahatchee River Watershed Protection Plan Update – Scope

- 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





## Caloosahatchee River Watershed Protection Plan Update – Scope (Cont.)

- 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



## River Watershed Protection Plan Update – Schedule

- Kick-off Plan Updates - NE Interagency Team Meetings May 2011
- NE Interagency Team Meetings July/August 2011
- LOWRAC/WRAC July 2011
- Draft Updates to NE Interagency Team Meeting and LOWRAC September 2011
- Draft Update Public Release October 2011
- Final Updates to NE Interagency, LOWRAC/WRAC/GB Dec 2011 /Jan 2012
- Final Plan to the Legislature March 2012





# Caloosahatchee River Watershed Protection Plan Update – Draft Outline







# 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 (RWQM) 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





## Chapter 3 – Caloosahatchee River Watershed Construction Project

### 3.1 Dispersed Water Management Program

- Payment for Environmental Services
- Easements
- Cost-share projects







## Chapter 3 – Caloosahatchee River Watershed Construction Project (Cont.)

- 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
  - Water Quality Trends (1995-2010)
- 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



## Chapter 5 – Strategies Moving Forward (Continued)

### 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?



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