



St. Lucie River Watershed Protection Plan Update

**Northern Everglades Interagency
Meeting – May 26, 2011**

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Projects*





Presentation Outline



St. Lucie River Watershed Protection Plan (SLRWPP) Update

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

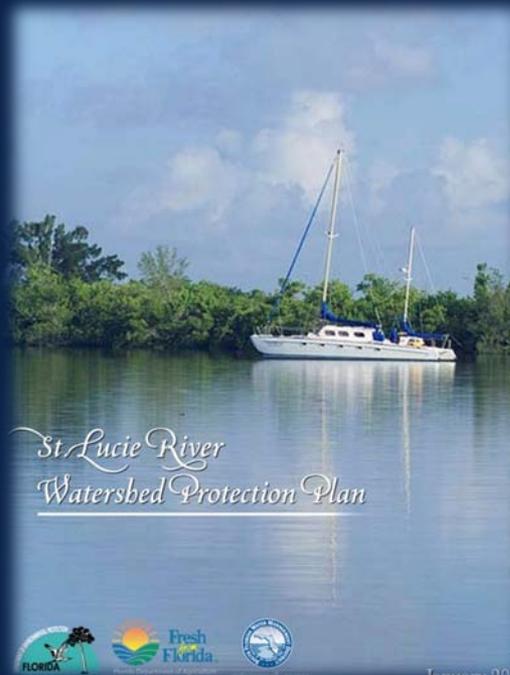
SLRWPP Update Continued

- Draft Outline
 - Chapter Descriptions



Northern Everglades and Estuaries 2007 Legislation

- Require development of St. Lucie and Caloosahatchee 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



January 2009

*Caloosabatchee River
Watershed Protection Plan*



January 2009

Northern Everglades and Estuaries Protection Program

Three year Updates/Annual Reports

Lake Okeechobee Watershed
Protection Plan

Caloosahatchee River
Watershed Protection Plan

St. Lucie 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)

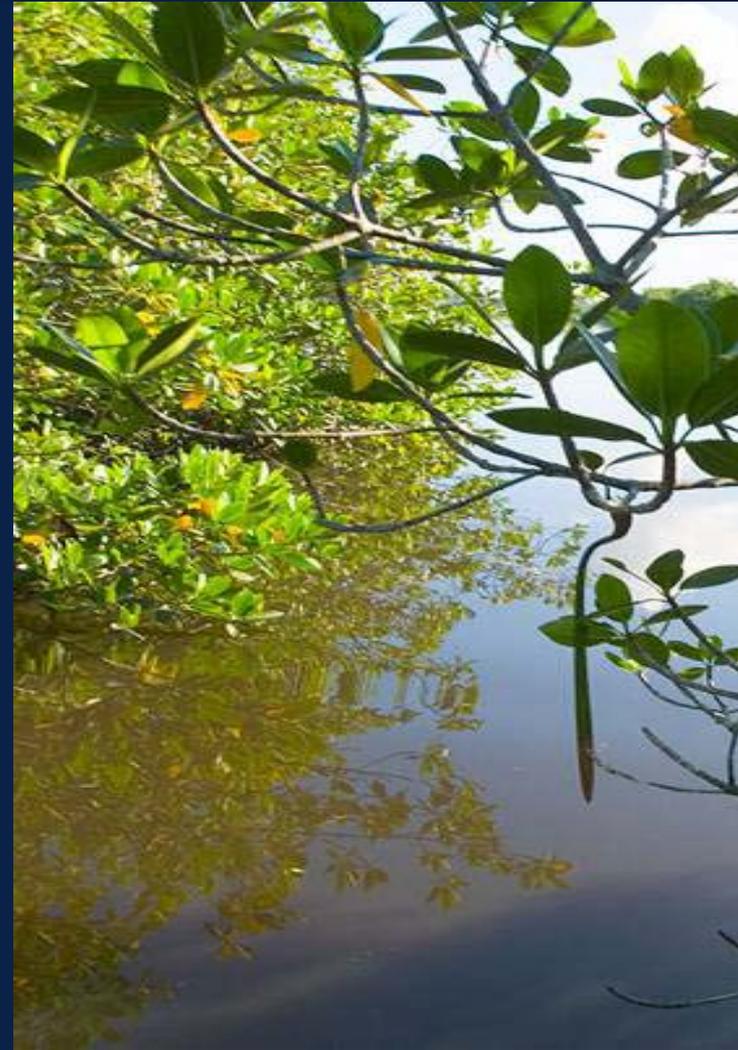
FDACS

- FDACS Agricultural BMP Program Updates / Implementation Status
- Urban turf fertilizer and animal manure app. rule



St. Lucie River Watershed Protection Plans – Elements

- Watershed Pollutant Control Program
- Watershed Construction Project
- Watershed Research and Water Quality Monitoring Program

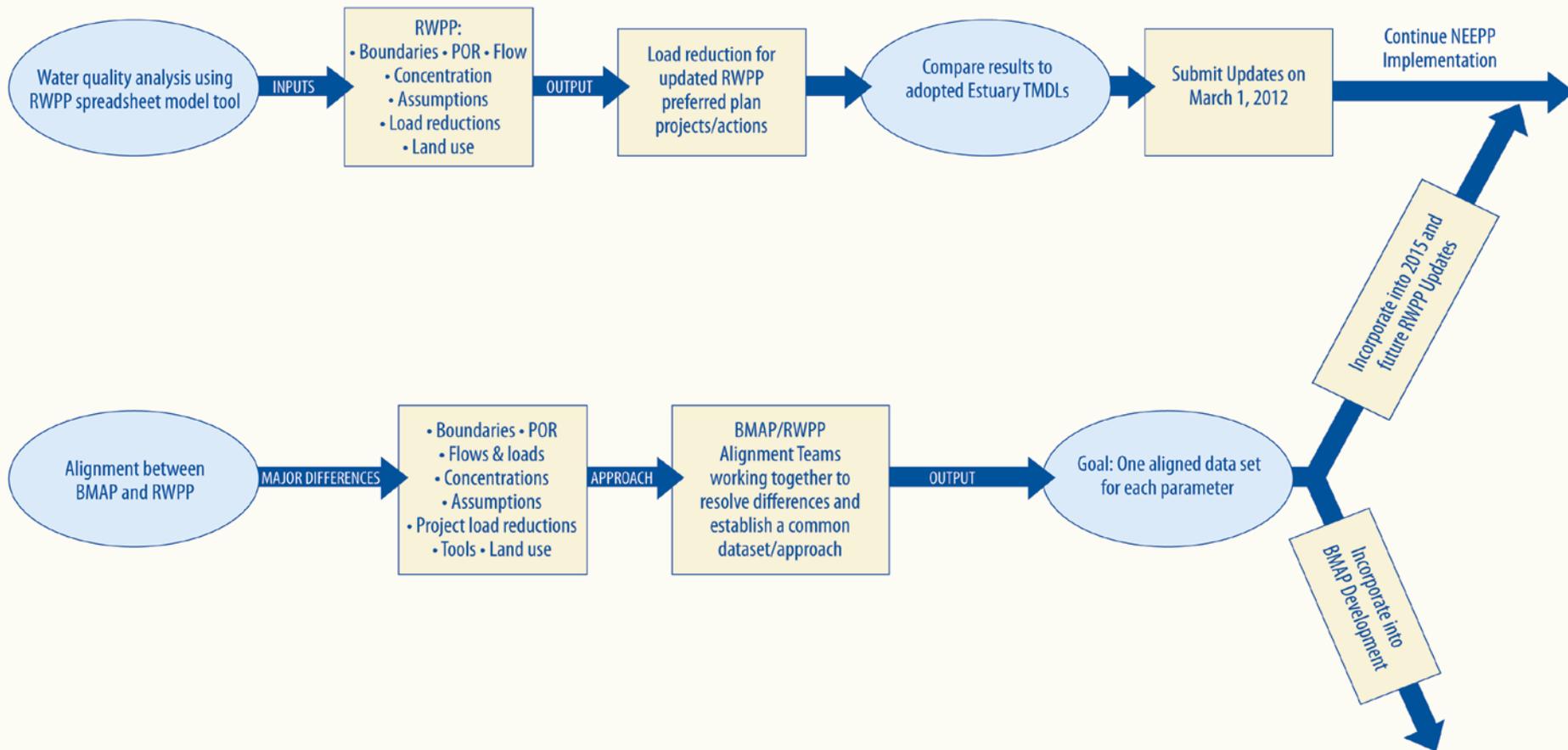




St. Lucie River Watershed Protection Plan Updates – Scope

- 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



Basin Management Action Plan (BMAP) Development



St. Lucie 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 SLRWPP and any new updates from stakeholders
- Water storage evaluations - no new model runs
 - Dispersed water management/water farming activities will be emphasized



St. Lucie 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 SLRWPP updates as an appendix to the Coastal Ecosystem Chapter of the South Florida Environmental Report (SFER)
 - Refer to other SFER chapters as applicable





St. Lucie 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



St. Lucie River Watershed Protection Plan Update – Draft Outline





St. Lucie 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 St. Lucie BMAP and River Watershed Protection Plan Update Alignments

1.4 St. Lucie River Land Use Updates



Chapter 2 – St. Lucie 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 – St. Lucie River Watershed Construction Project

3.1 Dispersed Water Management Program

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





Chapter 3 – St. Lucie River Watershed Construction Project (Cont.)

3.2 Regional CERP
Indian River Lagoon
South Projects

3.3 Local Water Quality
Project Updates

3.4 Other Construction
Project Components





Chapter 4 – St. Lucie Research and Water Quality Monitoring Program



4.1 Status of the St. Lucie 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





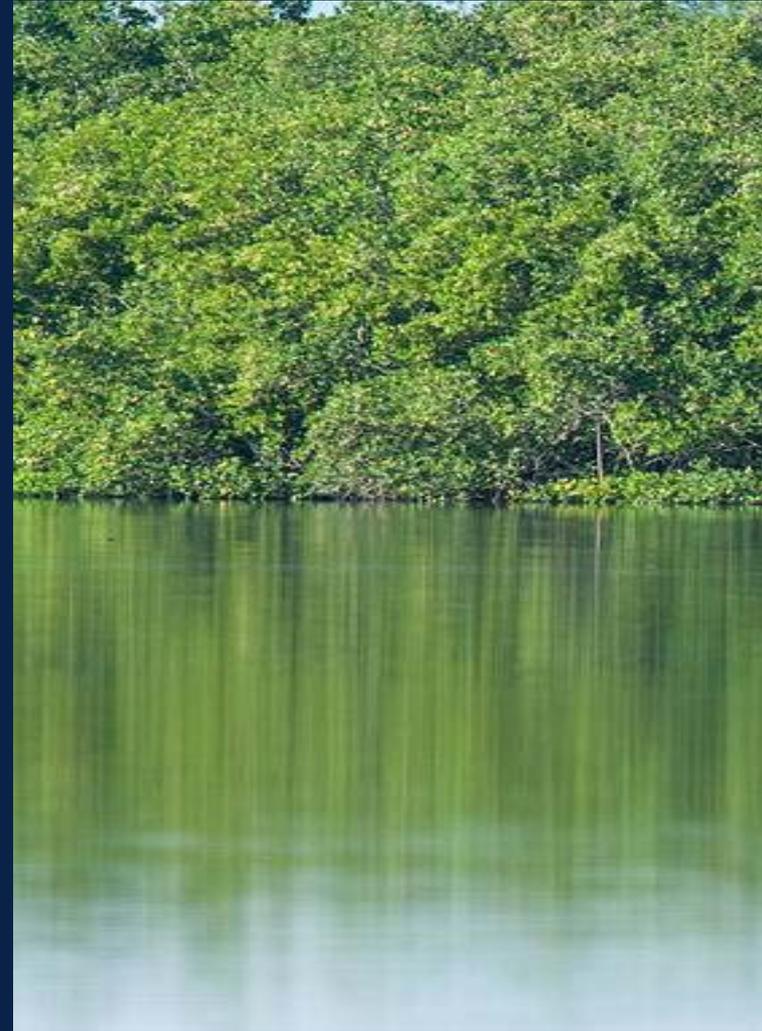
Chapter 5 – Strategies Moving Forward (Cont.)

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>

[sfwmd.gov](https://www.sfwmd.gov)