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# **PROJECT DEFINITION REPORT**

## **2018 LOWER EAST COAST WATER SUPPLY PLAN UPDATE**

**100798**

**SEPTEMBER 26, 2013**



**[sfwmd.gov](http://sfwmd.gov)**

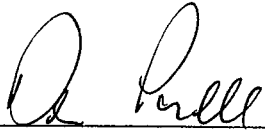
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**Approvals**



Dean Powell, Bureau Chief, Water Supply

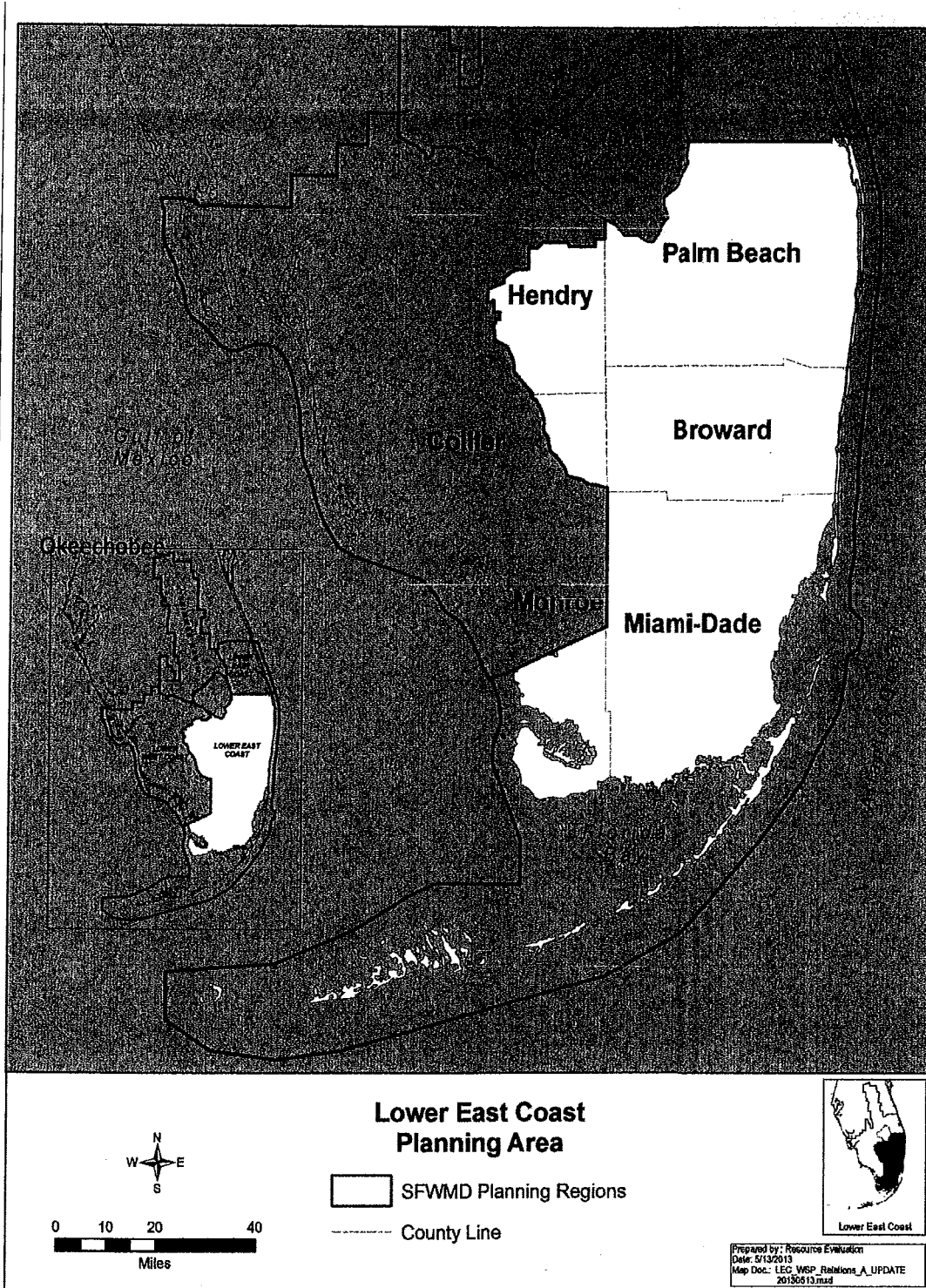
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Date

Document prepared by: Cynthia Gefvert, Extension: 2610

## Project Location

The Lower East Coast (LEC) Planning Area includes all of Palm Beach, Broward, and Miami-Dade counties, most of Monroe County, and the eastern portions of Hendry and Collier counties.



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## Project Description

In accordance with Chapters 163 and 373, F.S., the SFWMD updates regional water supply plans to promote the availability of water to meet current and future water needs while protecting South Florida's water resources. This 2018 Lower East Coast Water Supply Plan Update (2018 LEC WSP Update) will build on the information and analysis contained in the *2000 Lower East Coast Water Supply Plan*, the *2005-2006 Lower East Coast Water Supply Plan Update*, and the *2013 Lower East Coast Water Supply Plan Update*. This planned update will assess the Lower East Coast Planning Area's existing and projected water needs and water sources to meet those needs from 2015 to 2035. (The planning period may change, based on future direction from DEP). The update will also describe proposed water supply projects, regional water resource projects and implementation strategies for Fiscal Year (FY) 2015 through FY 2035. The goal for this water supply plan update is to identify sufficient water supply sources and future projects to meet existing and future reasonable-beneficial uses during a 1-in-10 year drought condition through 2035 while sustaining water resources and related natural systems. The project consists of a number of tasks including:

- Develop population and water demand projections for the utilities in the planning region. Coordinate results with the District Regulatory staff and utilities and local governments in the area.
- Develop population and water demand projections for Domestic Self-Supplied users in the planning region.
- Work with FDACS to develop agricultural acreage and demand projections for the planning region.
- Develop water demand projections for the landscape and recreation, commercial/industrial, and power generation use categories. Coordinate results with stakeholders as appropriate.
- Hold stakeholder workshops to seek input and present information.
- Work with District staff as MFL prevention and recovery strategies are reviewed and updated.
- Work with Groundwater Modeling staff as the Floridan aquifer modeling (including scenario runs) for the area is completed.
- Incorporate work done or in progress on CEPP, CERP, and repairs to the Herbert Hoover Dike into the plan.
- Incorporate efforts on the C-51 Reservoir into the plan.
- Coordinate with counties and other agencies to evaluate sea level rise and other climate change impacts to water supply and water resources in the planning area.
- Work with Hydrogeology and Regulatory staff as the water resources in the area are evaluated.
- Draft the 2018 LEC Water Supply Plan Update and related appendices.

It is anticipated the 2018 LEC WSP Update will be approved by the Governing Board by September 2018.

## Background

According to Section 373.036, F.S., the governing board of each water management district shall conduct water supply planning for any water supply planning region within the district where it determines that existing sources of water are not adequate to supply water for all existing and future reasonable-beneficial uses and to sustain the water resources and related natural systems for the planning period.

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In accordance with Chapters 163 and 373, F.S., the water supply plans for developed by water management districts and local government comprehensive plans must ensure adequate potable water facilities are constructed and are concurrently available with new development. Chapters 187 and 403, F.S. provide additional direction. The water supply planning region identified in this plan shall be considered a Water Resource Caution Area for the purposes of section 403.064, F.S., and affected parties may challenge the designation pursuant to section 120.569, F.S.

## **Stakeholder Considerations**

Chapter 373, F.S. directs the planning to be conducted in an open public process and in coordination with local governments, regional water supply authorities, water and wastewater utilities, FDEP, and other affected and interested parties.

## **Public Outreach**

According to Section 373.709, F.S., the SFWMD must conduct at least one public workshop to discuss technical data and modeling tools prior to completion of the water supply plan. Additionally, the SFWMD must engage in the public education and outreach to all affected local entities and their officials, as well as members of the public in both the planning process and in seeking input.

At this time, we are planning on several public workshops to obtain input from interested stakeholders, present population and demand projections and modeling, and present the draft plan. Workshops will be held in the planning region.

Additional meetings will be held with water supply utilities and local governments, agricultural stakeholders, and other interested parties.

## **Environmental**

MFL prevention and recovery strategies are to be developed in concert with the water supply planning process and coincide with the twenty-year planning horizon for the area. The results of this will be included in the 2018 LEC WSP Update.

## **Project Milestones**

This is a several year project and the planning and scheduling will begin later this fiscal year. At this time, the only project milestone is the completion of the plan by September 2018. A detailed schedule with additional milestones will be developed by September 2014.

## Resource Requirements

This is a several year project and the planning and scheduling is just underway. A detailed schedule with tasks and potential resources will be developed by September 2014.

List Functions	Skill of Functional Employees	Identify Employees	Total FTEs Required for Complete Project
Planning	Planning, Project Management, Economic and Demand projections, Data analysis, Writing	Brenda Mills, Kris Esterson, Bob Verrastro, Cynthia Gefvert, Mark Elsner, Kara Mills, Ian Miller	
GIS	Maps, Population assessment		
Groundwater modeling	Modeling		
Hydrogeology and Regulation	Resource assessment		
Technical Editing	Technical Editing	Nathan Yates	
Applied Sciences	Resource assessment		
<b>Total Resource Requirements</b>			

## Project Deliverable and Schedule

Fiscal Year	Deliverable	Schedule
2018	2018 LWC WSP Update	September 2018

## Project Funding Sources

This 2018 LEC WSP Update will be prepared by District staff.

