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# **PROJECT DEFINITION REPORT**

## **LOWER KISSIMMEE BASIN WATER SUPPLY PLANNING**

**100799**

**SEPTEMBER 26, 2013**



***sfwmd.gov***

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**Approvals**

*Dean Powell*

Dean Powell, Bureau Chief, Water Supply

9/27/13

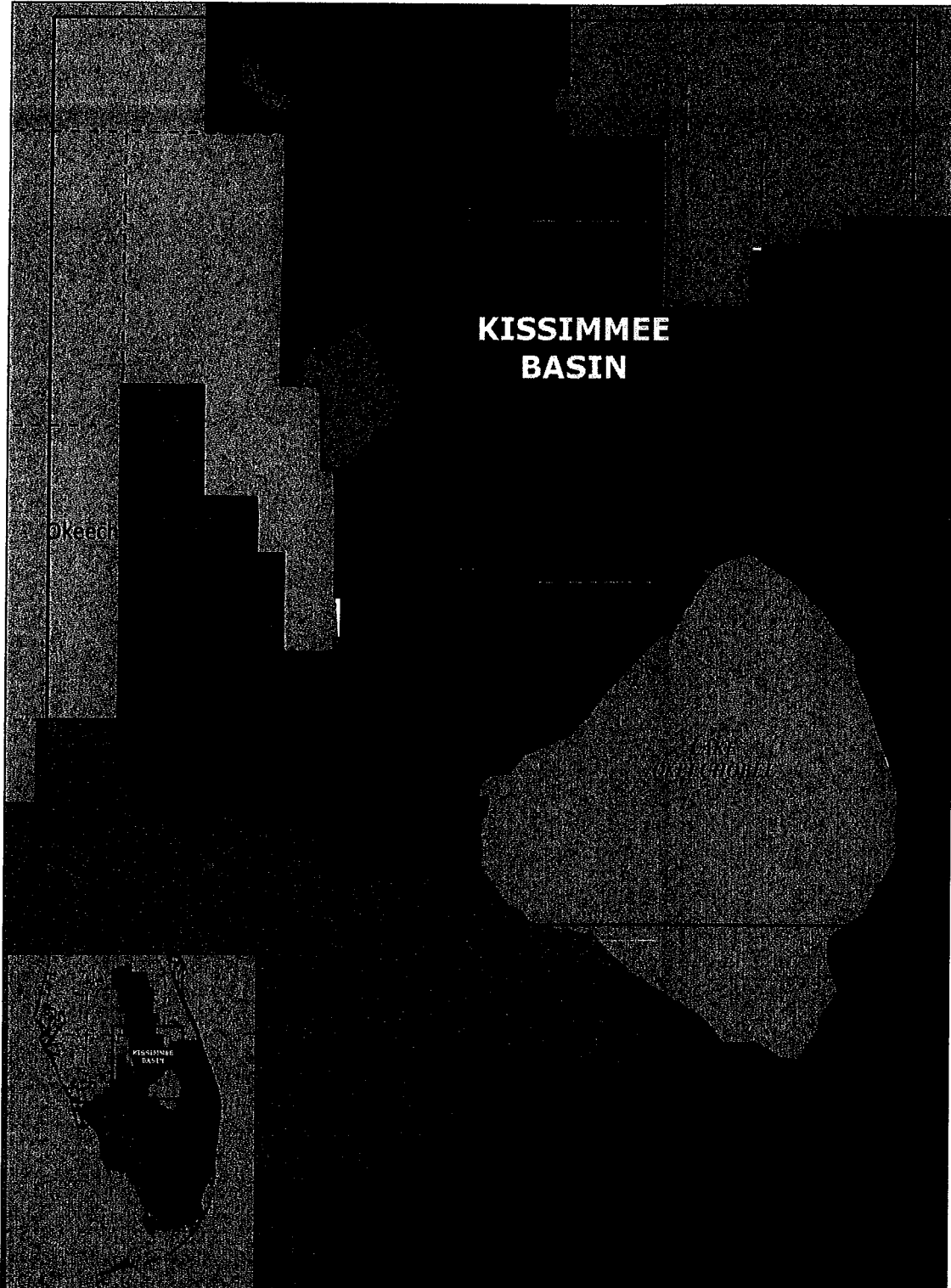
Date

Document prepared by: Cynthia Gefvert, Extension: 2610

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## Project Location

The Lower Kissimmee Basin (LKB) Planning Area includes portions of Glades, Hendry, and Okeechobee 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. The development of the 2014 Lower Kissimmee Basin Water Supply Plan (2014 LKB WSP) is currently underway and is expected to go to the Governing board for approval no later than June 2014. This plan build on the information and analysis contained in the 2000 *Kissimmee Basin Water Supply Plan* (2014 LKB WSP) and the *2005-2006 Kissimmee Basin Water Supply Plan Update*. This plan will be the first for just the Lower Kissimmee Basin area; previous plans covered the entire Kissimmee Basin. The Upper Kissimmee Basin area will be included in the Central Florida Water Initiative (CFWI) Regional Water Supply Plan. The 2014 LKB WSP will assess the LKB's planning area's existing and projected water needs and water sources to meet those needs from 2010 to 2035. The update will also describe proposed water supply projects, regional water resource projects and implementation strategies through Fiscal Year (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 agricultural stakeholders including 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 modeling (including scenario runs) for the area is completed.
- Work with Hydrogeology and Regulatory staff as the water resources in the area are evaluated.
- Draft the 2014 LKB Water Supply Plan and related appendices.
- Draft the 2019 LKB WSP Update and related appendices

It is anticipated the 2014 LKB WSP will be approved by the Governing Board by June 2014. Upon completion of the 2014 LKB WSP, the team will draft the schedule for the development of the 2018-2019 LKB WSP. It is anticipated the 2019 LKB WSP Update will be approved by the Governing Board by June 2019.

## 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

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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.

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 at least one public workshop 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

### **Project Milestones**

- Public workshop –January 2014
- Draft 2014 LKB WSP available for stakeholders - March 2014
- Present draft plan to WRAC and Governing Board – April 2014
- Present final draft plan to WRAC and Governing board – June 2014
- Prepare draft 2019 LKB WSP schedule – September 2014
- Complete 2019 LKB WSP Update – June 2019

## Resource Requirements

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

## Project Deliverable and Schedule

Fiscal Year	Deliverable	Schedule
2014	2014 LKB WSP	June 2014
2014	Schedule for 2019 LKB WSP	September 2014
2019	2019 LKB WSP Update	June 2019

## Project Funding Sources

This 2014 LKB WSP and the 2019 LKB WSP Update will be prepared by District staff.

