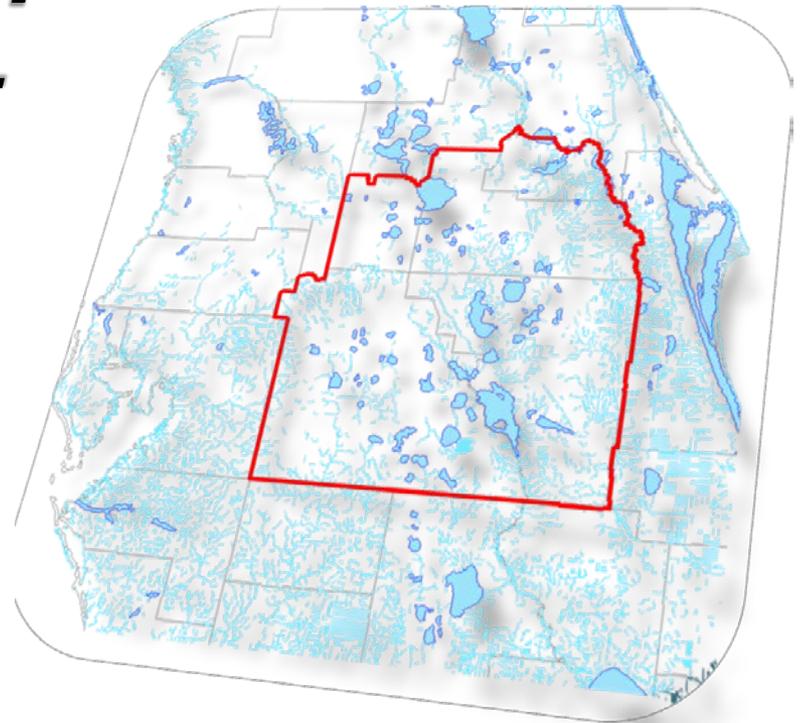


***CFWI Draft Regional  
Water Supply Plan -  
Update***



**Lennart J. Lindahl, P.E.**  
Assistant Executive Director

**Governing Board Meeting  
December 12, 2013**



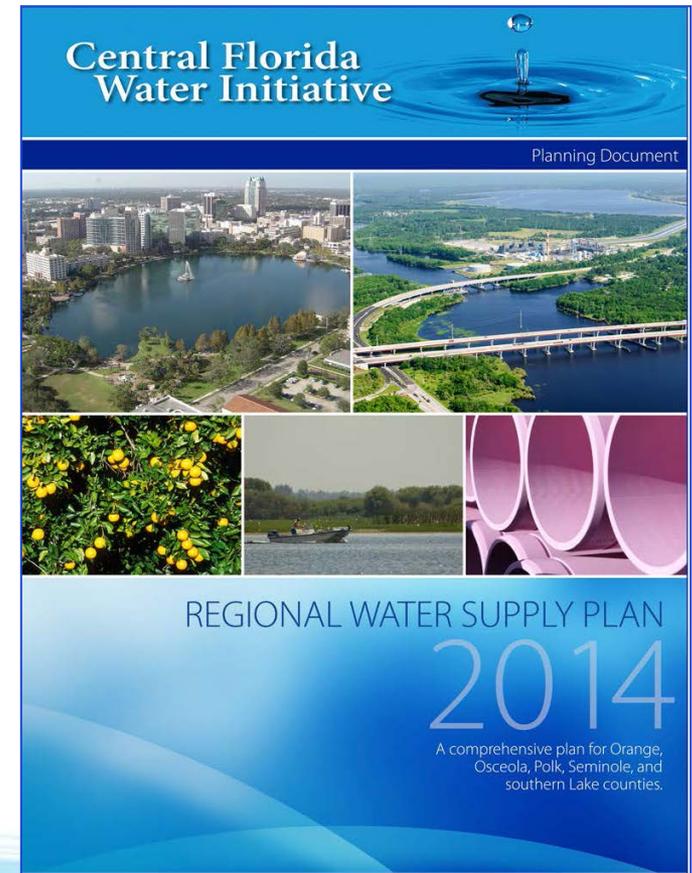
# Regional Water Supply Plan Requirements



- 20-year planning period
- 1-in-10 level of certainty
- Demand estimates and projections
- Resource analyses/issue identification
- Evaluation of water source options, including conservation
- Water Resource Development
  - *Responsibility of water management*
- Water Supply Development
  - *Responsibility of water utilities/users*
- Minimum Flows and Levels (MFLs)
  - *Prevention or recovery strategies*

# One Plan for CFWI Region

- Developing first multi-district regional water supply plan
- Collaborative effort between Districts, FDEP, FDACS, utilities and other stakeholders
- Technical teams provided scientific foundation upon which the Plan has been developed
- Ensuring protection of the water resources and related natural systems



# Importance of Public Involvement

- Ensure plan reflects local needs
- Coordination with:
  - FDEP
  - FDACS
  - Utilities
  - Agriculture
  - Industry
  - Local governments
  - Other entities
- Estimated 2,000+ people touched through 90+ presentations to date



# CFWI Planning Area

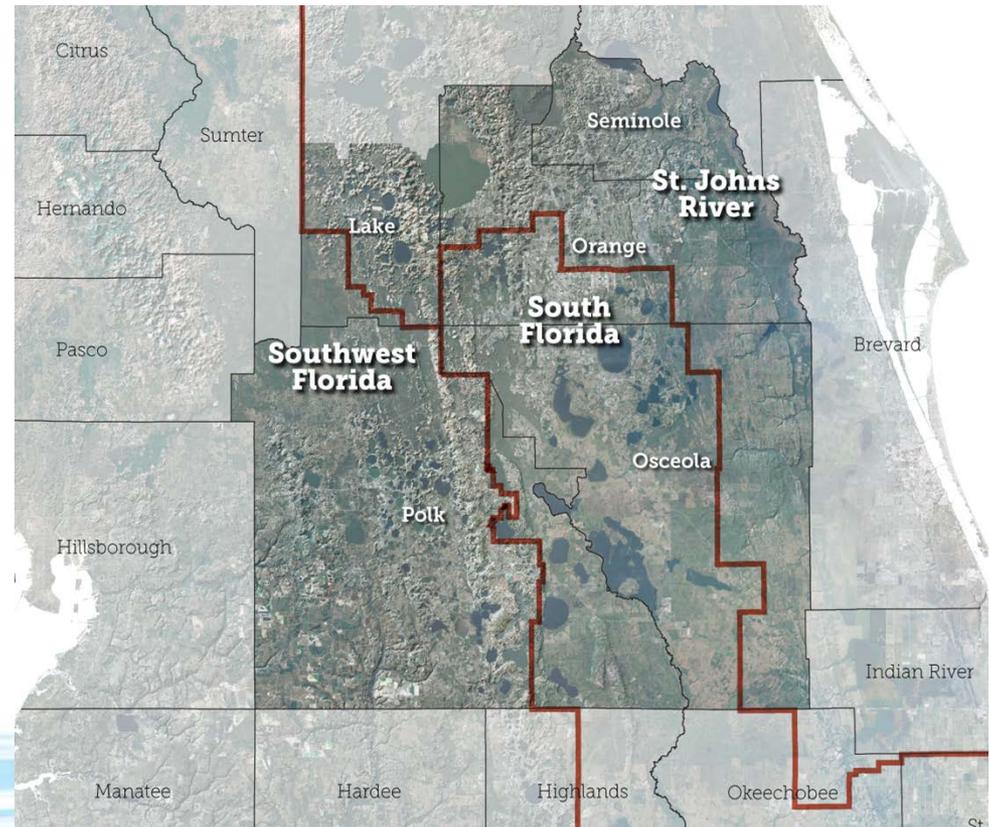
## Planning Horizon 2010 – 2035

### ■ Population:

- 2010 2,756,614
  - 2035 4,119,575
- 49% increase*

### ■ Gross water demands:

- 2010 772 MGD
  - 2035 1,083 MGD
- 40% increase*



# Groundwater Availability Team Findings

*Traditional groundwater sources can  
meet some, but not all projected  
and permitted needs in the CFWI*

# CFWI Planning Level Groundwater Availability Estimates

- 800 mgd
  - Average groundwater use (1995 to 2010)
  - Includes some management activities
- 850 mgd
  - Water Supply Plan recommendation of the volume of traditional groundwater sources available
- 250 mgd
  - Amount of new water supply options needed in the RWSP (difference between 2035 projected demands and sustainable level using existing sources)

# Plan Summary

## ■ 139 water supply projects identified

- ~ \$3B total cost
- 391 MGD of potential supply

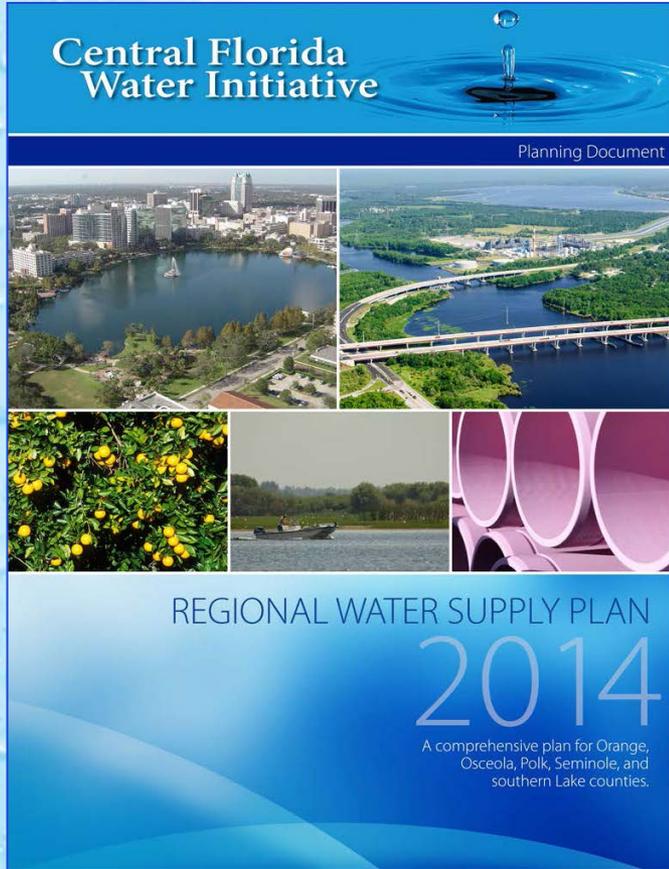
## ■ Solutions Planning Team

- Review & optimize RWSP project options
- Established technical sub-teams
  - Surface water (dispersed storage and reservoirs)
  - Reclaimed water
  - Conservation and other management strategies
  - Groundwater
  - Recovery/prevention projects
  - Other (storm water, etc.)

## ■ Regulatory Team

- Develop options for consistent regulations, implementing solution strategies, and assisting with resource recovery

# Draft Plan Conclusion



The future water demands of the region can be met through the 2035 planning horizon with appropriate management, conservation and implementation of projects in this Plan

# What's Next?

## Draft Regional Water Supply Plan:

- Nov 26 Draft plan posted for public review
- Dec Draft plan to SFWMD, SWFWMD and SJRWMD governing boards
- Dec 12 Public Workshop (*Clermont Community Center, 620 W. Montrose Street, Clermont, FL*), 4 – 7 PM
- Jan 2 Draft Plan to SFWMD WRAC
- Jan 10 45-day comment period on draft plan ends
- Dec-April Presentations to local governments and others
- TBD Final Plan to SFWMD WRAC and SFWMD, SWFWMD and SJRWMD governing boards

Additional information can be found at [cfwiwater.com](http://cfwiwater.com)

# QUESTIONS?

## Central Florida Water Initiative

Home

Meetings

Regional Water Supply Plan

Minimum Flows and Levels and Water Reservations

Hydrologic Analysis

Environmental Measures

Data, Monitoring and Investigations

Groundwater Availability

CFWI Resources

CFLCA Resources

Contacts

### Overview of the Central Florida Water Initiative

Florida's water management districts are committed to finding new ways of meeting the demand for freshwater. Historically, the Floridan aquifer system has supplied the vast majority of the water used in the central Florida area. The boundaries of three water management districts — the St. Johns River Water Management District, South Florida Water Management District and Southwest Florida District — meet in the area. The three districts are studying whether the Floridan aquifer system is reaching its sustainable limits of use and exploring the need to develop supplemental sources of water.

In the past, the three districts worked independently to resolve water resource issues, but the decisions of one district can impact the water resources of another. Today, the districts are working collaboratively with other agencies and stakeholders to implement effective and consistent water resource planning, development and management through the Central Florida Water Initiative (CFWI).

The CFWI builds on the prior work of the Central Florida Coordination Area (CFLCA). Both efforts focus on an area that includes southern Lake, Orange, Osceola, Seminole and Polk counties. The three water management districts, along with the Florida Department of Environmental Protection (DEP), Florida Department of Agriculture and Consumer Services (DACS), regional public water supply utilities and other stakeholders are collaborating to develop a unified process to address central Florida's current and long-term water supply needs.

**Guiding principles**

The guiding principles of the CFWI are to:

- 1. Identify the sustainable quantities of traditional groundwater sources available for water supplies that can be used without causing unacceptable harm to the water resources and associated natural systems.
- 2. Develop strategies to meet water demands that are in excess of the sustainable yield of existing traditional groundwater sources.
- 3. Establish consistent rules and regulations for the three water management districts that meet their collective goals, and implement the results of the Central Florida Water Initiative.