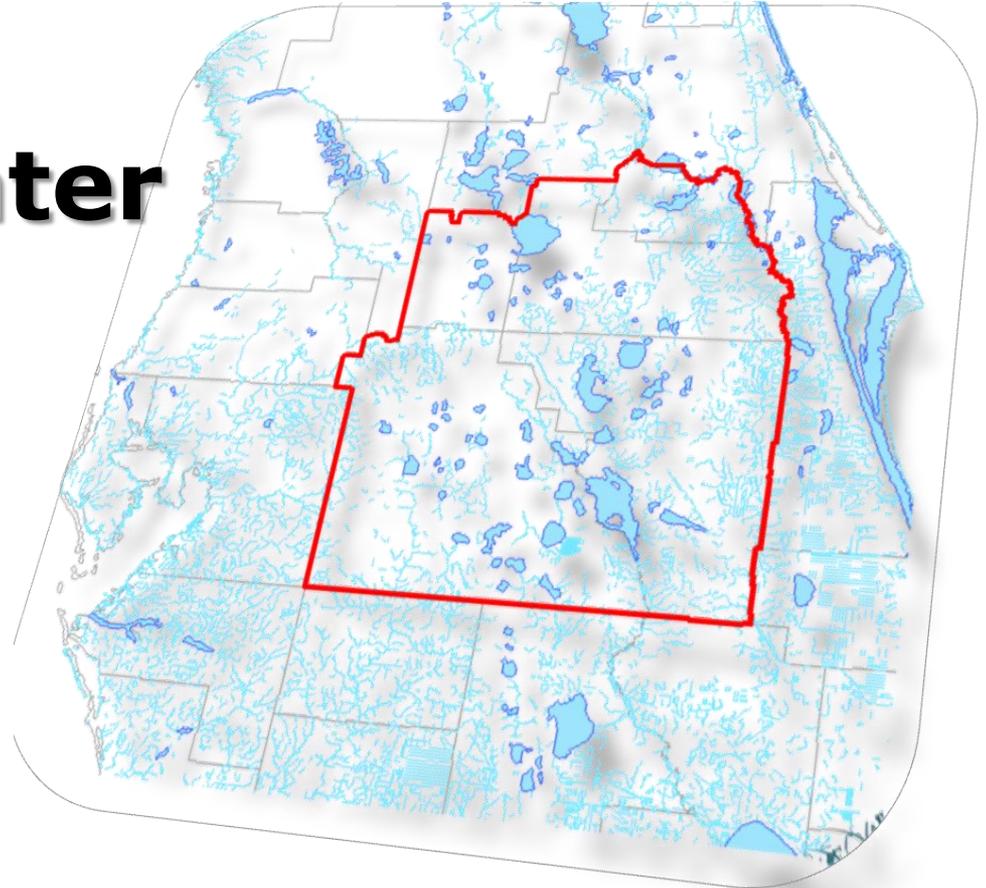


# CFWI Regional Water Supply Plan

**Webinar**

August 29, 2013



# Today's Presentation

- What is a regional water supply plan?
- What are the components?
- Importance for public involvement



# Water Use

All Classes

MGD

1200

1000

800

600

400

200

0

1960

1970

1980

1990

2000

2010

2020

2030

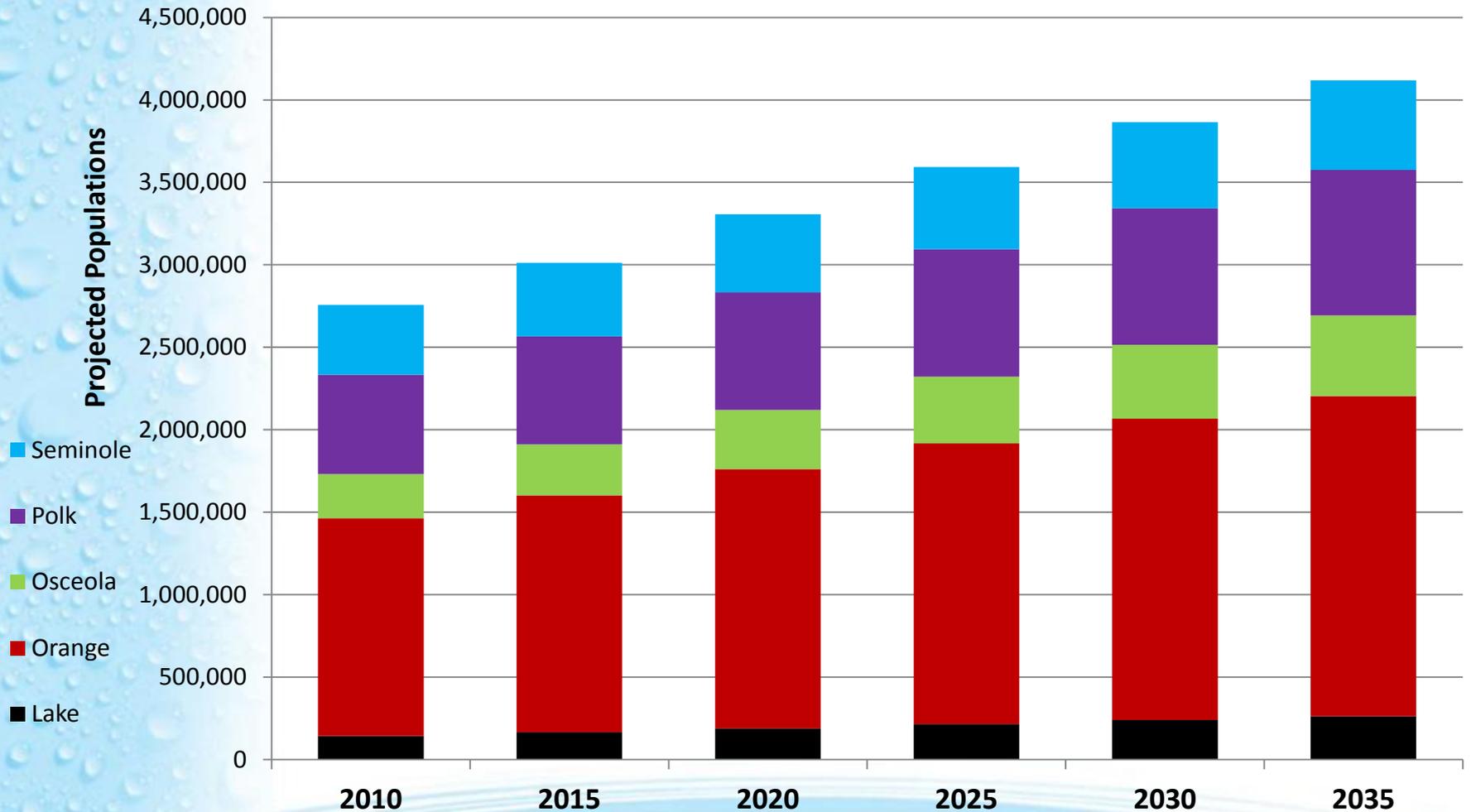
2035

Historic

Projected

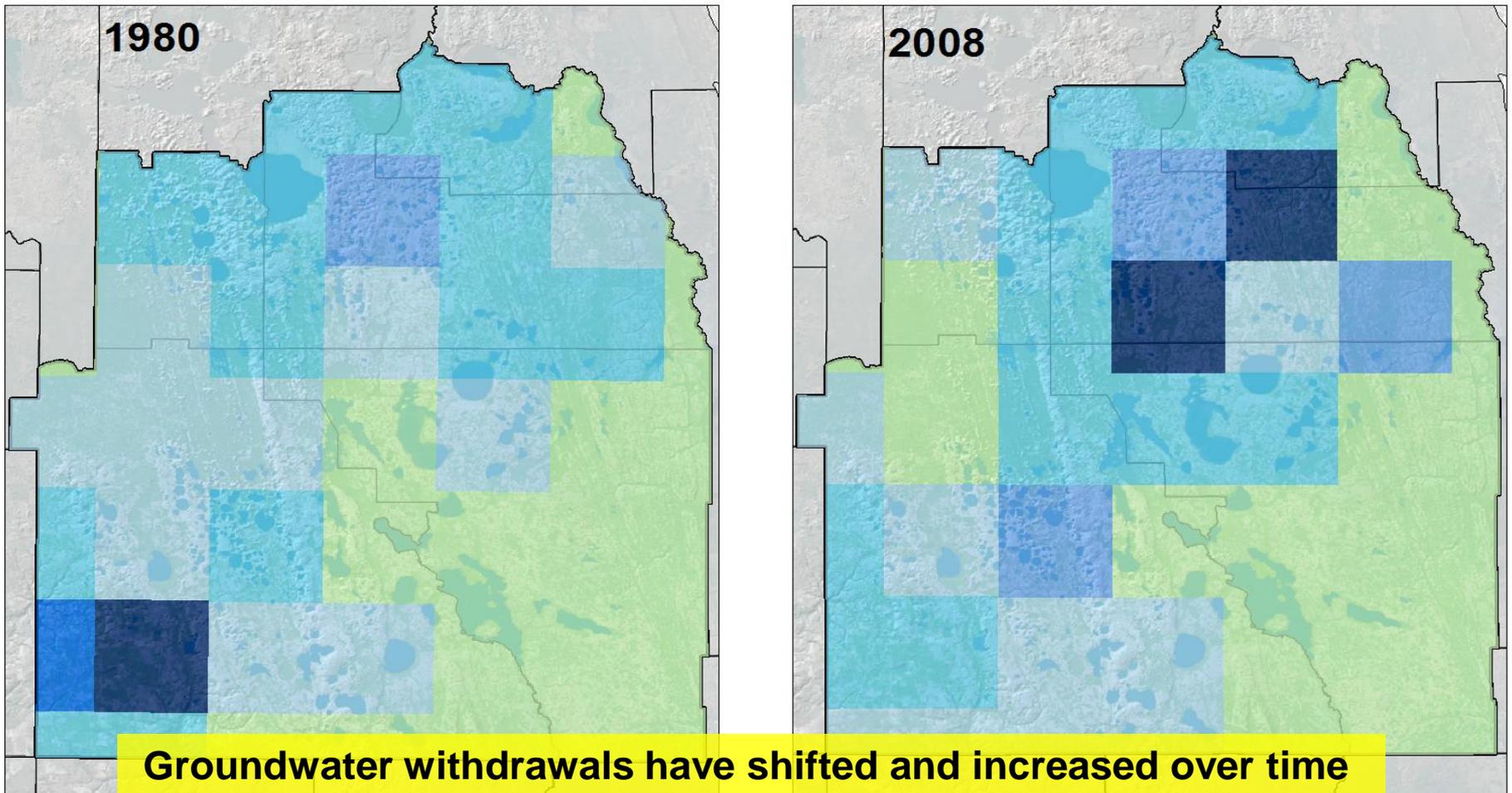


# Projected Population

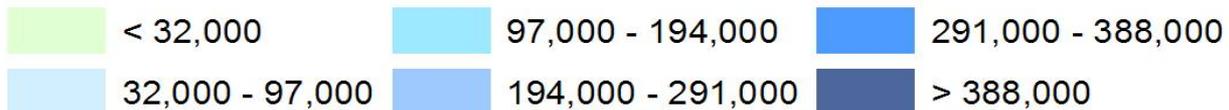


**Projected Increase of 1.4 Million People**

# Generalized Map of Historical Groundwater Withdrawals



Withdrawals in Gallons per Day per Square Mile



# One Plan for CFWI Region

- Developing first-ever regional water supply plan for CFWI
- Ensuring protection of the water resources and related natural systems
- Identifying sustainable water supply for all water uses in the CFWI through the 20-year planning horizon (2035)

# Regional Water Supply Plan

- Demands from all categories
  - 20-year planning horizon
- Evaluation of water resources
- How to meet the demands
  - Potential sources
  - Project options
- Funding mechanisms
- Update every 5 years



# Water Resource Evaluation

- Future demands estimated and aquifer changes evaluated
- Availability of groundwater determined from multiple measuring sticks to ensure protection of water resources and existing water users

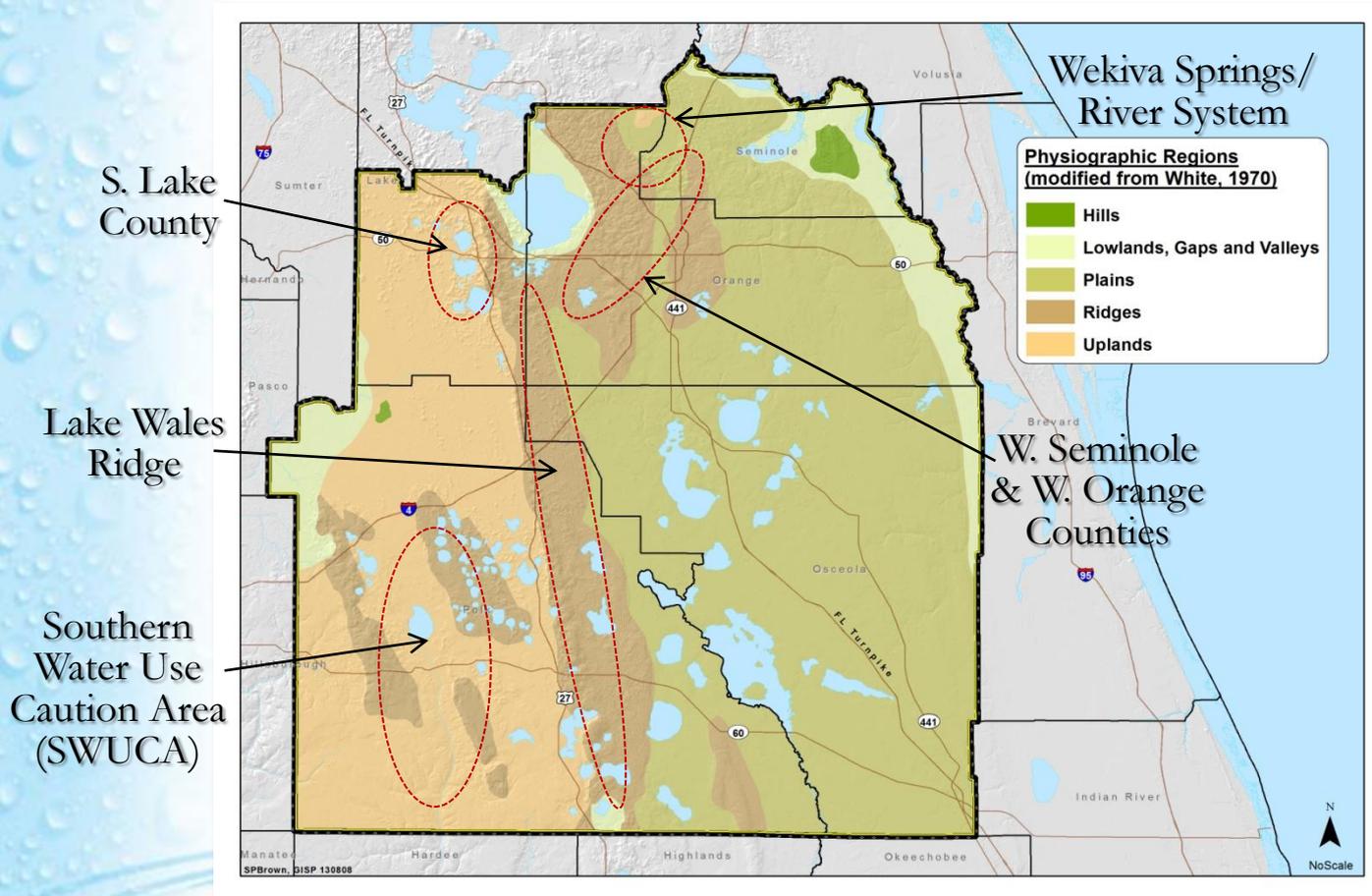
# Groundwater Availability Measuring Sticks

- Water bodies with established and proposed minimum flows and levels (MFLs) within the CFWI
  - Regulatory constraints including Southern Water Use Caution Area (in Polk County)
- Non-MFL lakes/wetlands
- Non-MFL springs
- Aquifer water quality/saltwater intrusion

# Findings

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

# Primary Areas Susceptible to Groundwater Withdrawals



# CFWI Planning Level Groundwater Availability Estimates

## ■ 800 mgd

- Average groundwater use (1995 to 2010)
- Includes some management activities

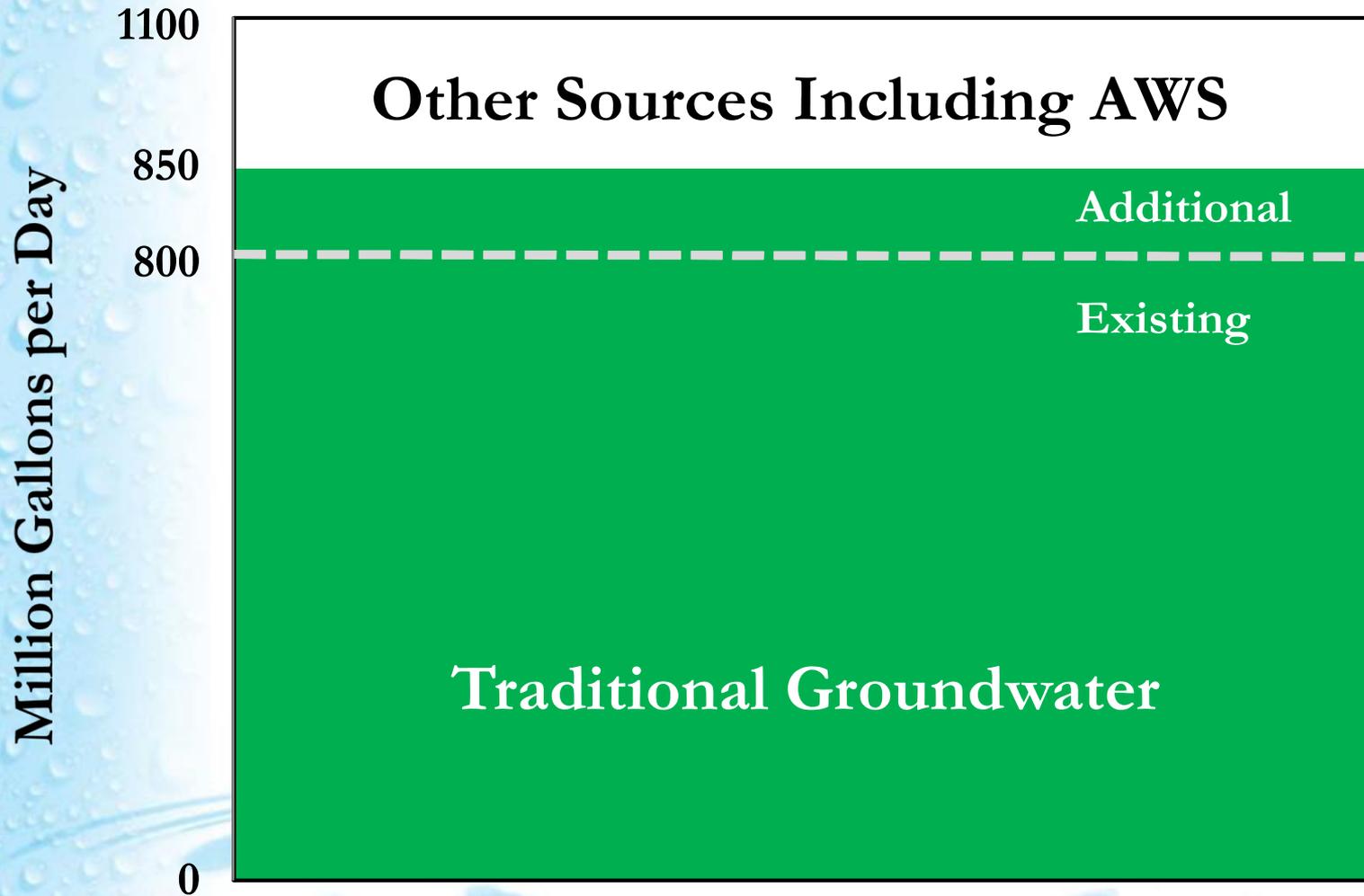
## ■ 850 mgd

- Sustainable level of traditional groundwater sources available for water supply without causing unacceptable harm to water resources and associated natural systems

## ■ 250 mgd

- Amount of new water supply options needed in the RWSP (difference between 2035 projected demands and sustainable level using existing sources)

# Sources to Meet 2035 Demands



# Water Supply Options

- Conservation
- Brackish Groundwater
- Surface Water
- Sea Water
- Reclaimed Water
- Storage Capacity

# Stakeholders



# Local Government Requirements



## After the Districts update the Regional Water Supply Plan:

- Local governments must amend their comprehensive plan to include a 10-year Water Supply Facilities Work Plan within 18 months of RWSP update and submit to Dept. of Economic Opportunity (DEO)
- Work Plan must demonstrate sufficient water supply for at least next 10 years
- Identify the projects to be developed

# Importance of Public Involvement

- Ensure plan reflects local needs
- Review of population projections and documents
- Coordination among:
  - County Commission/City Council
  - Utility staff
  - Planning staff
- Identify projects to meet future water demand



# Public Involvement Schedule

Components	Time Frame
<b>Briefings/Presentations</b>	Ongoing
<b>Live Webinar</b> Recorded & made available (Polk)	Aug. 29, 2013 1:30 p.m.
<b>Public Status Update Workshop</b> Winter Park Civic Center (Orange)	Sept. 26, 2013 4–7 p.m.
<b>Technical Methods Workshop</b> Osceola Heritage Park (Osceola)	Nov. 7, 2013 10 a.m.– noon
<b>Draft RWSP Workshop</b> Clermont Community Center (Lake)	Dec. 12, 2013 4–7 p.m.
<b>Draft RWSP to WMD Governing Bds.</b> SJR: Dec. 10; SF: Dec. 12; SWF: Dec.17	Dec. 2013