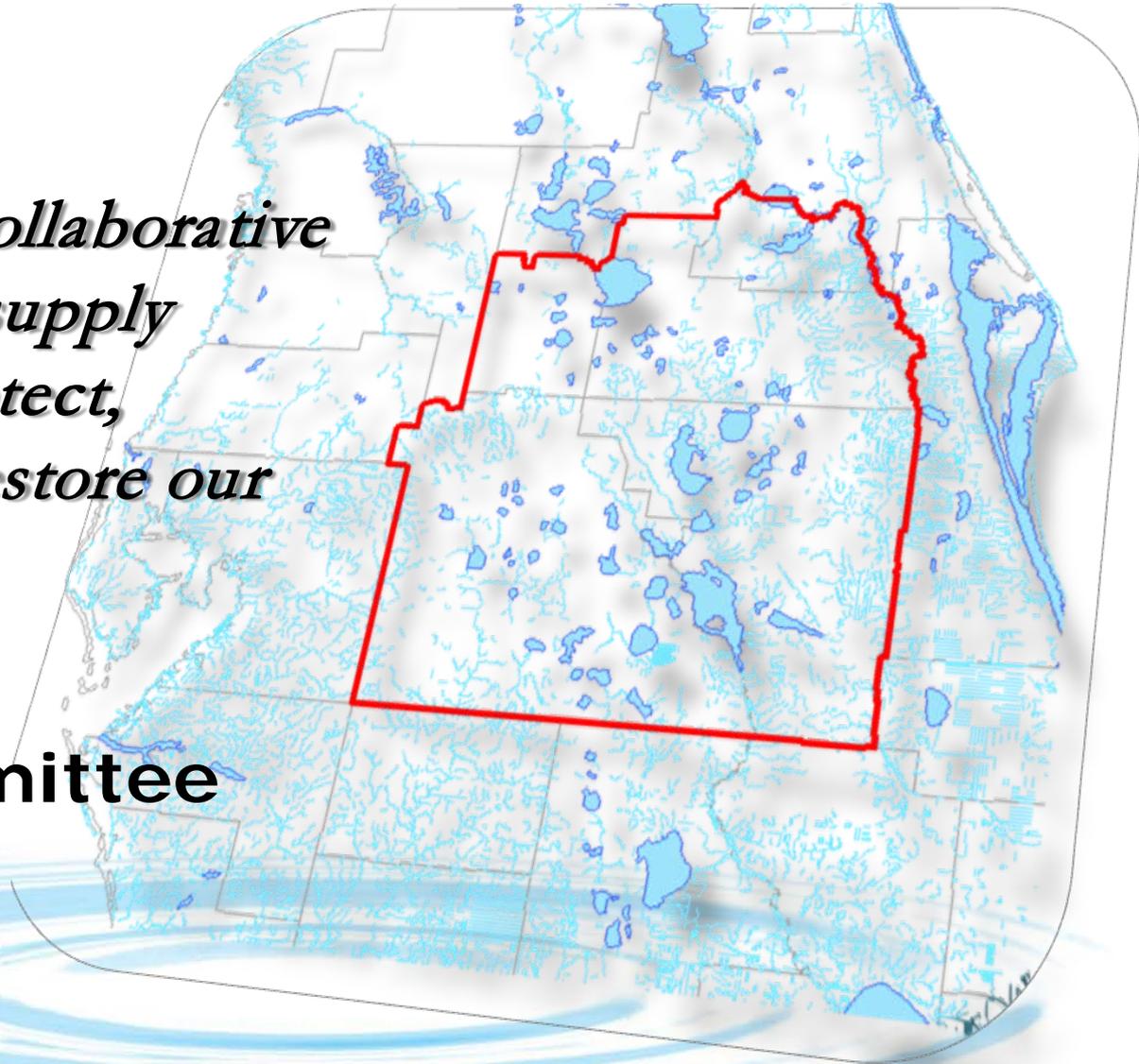


# PROGRESS TO DATE

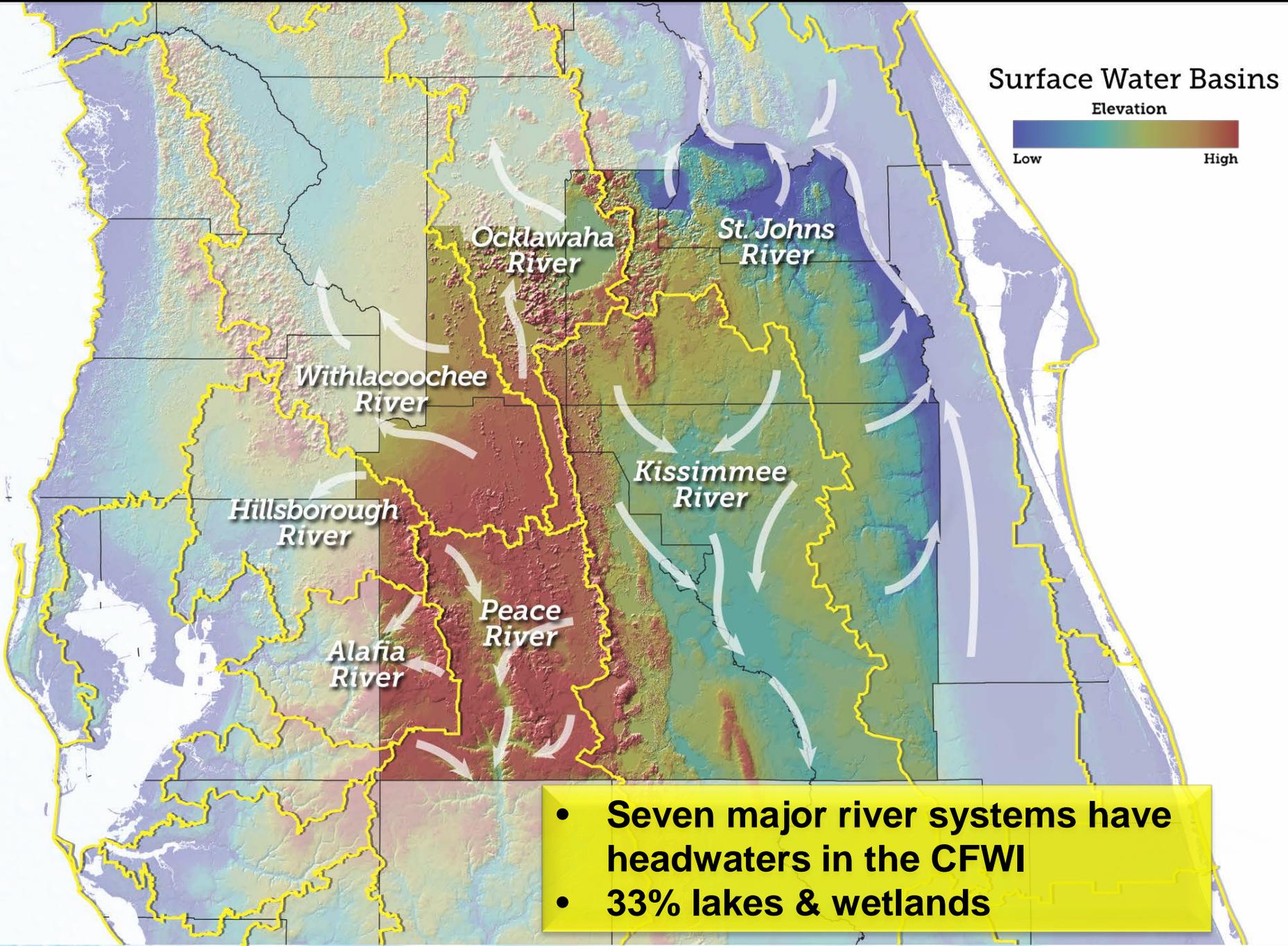
*the CFWI ...a collaborative regional water supply endeavor to protect, conserve and restore our water resources*

**Steering Committee**

May 8, 2015

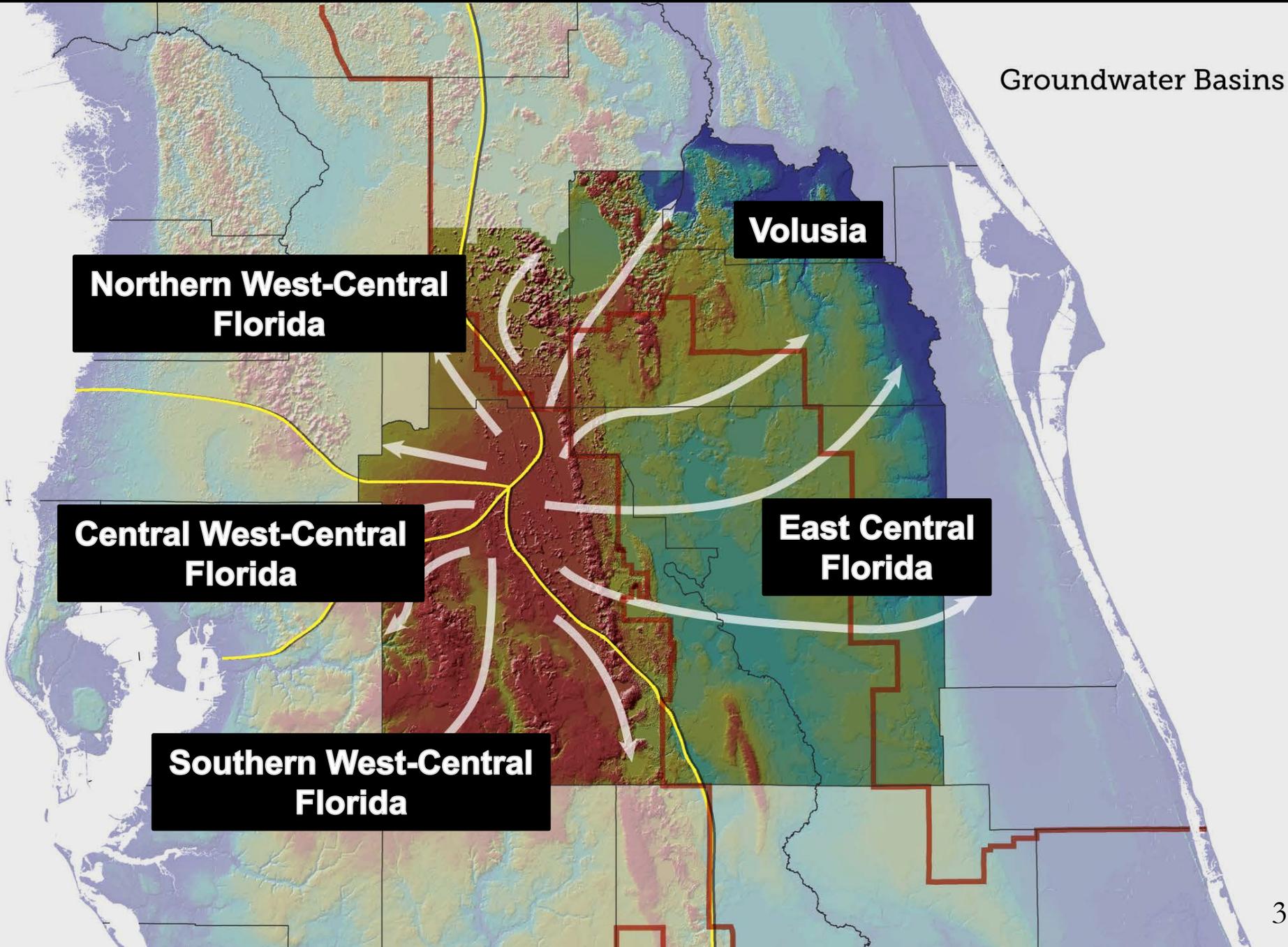


# Central Florida Water Initiative



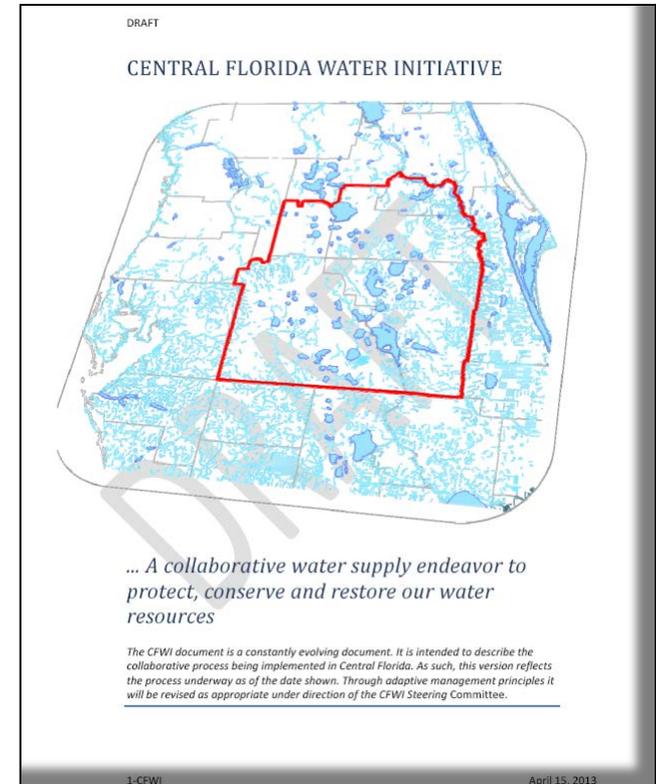
- Seven major river systems have headwaters in the CFWI
- 33% lakes & wetlands

# Central Florida Water Initiative

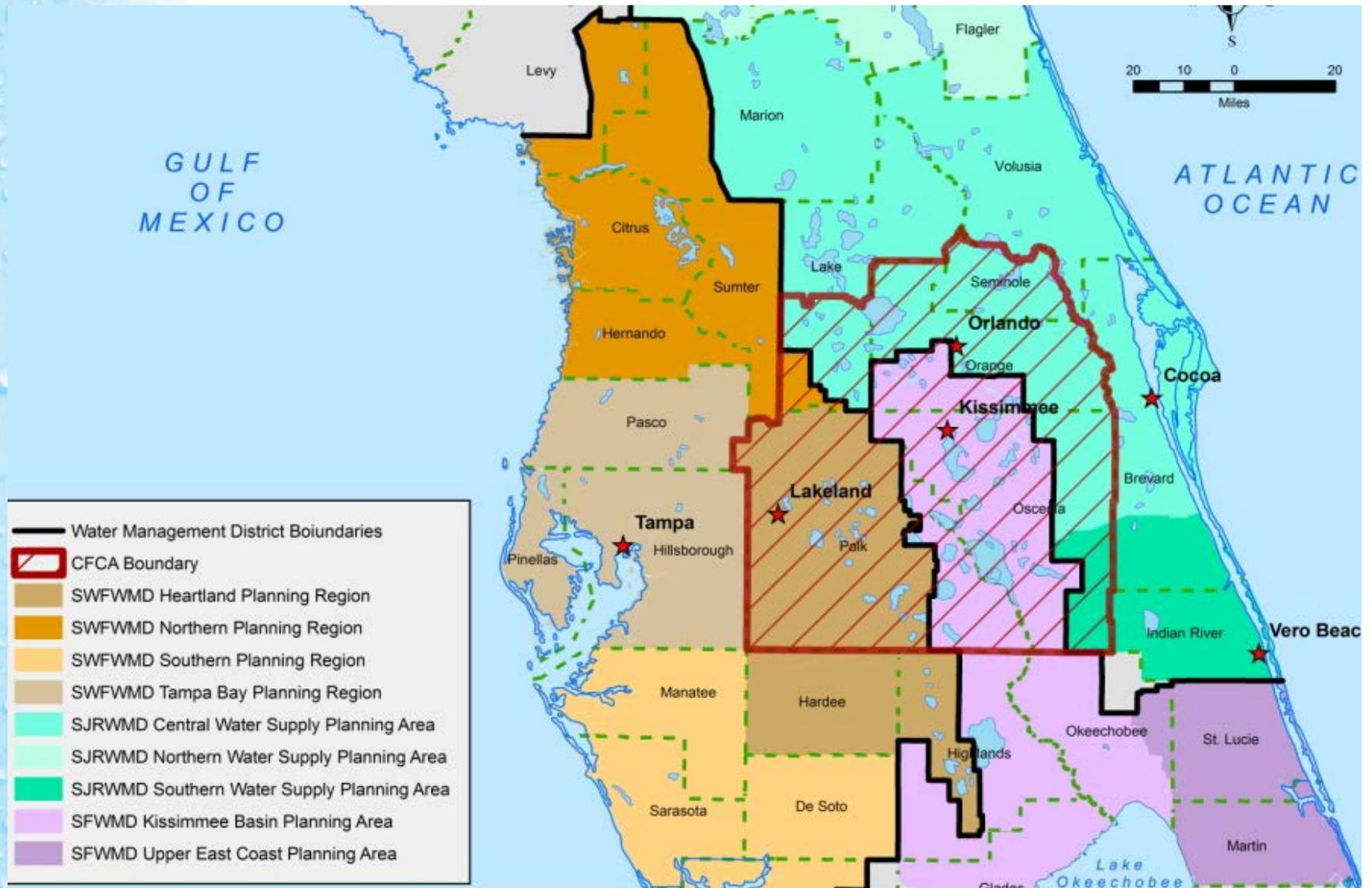


# Guidance Document Principles

1. Identify sustainable quantities of groundwater sources
2. Develop strategies to meet water demands
3. Establish consistent rules

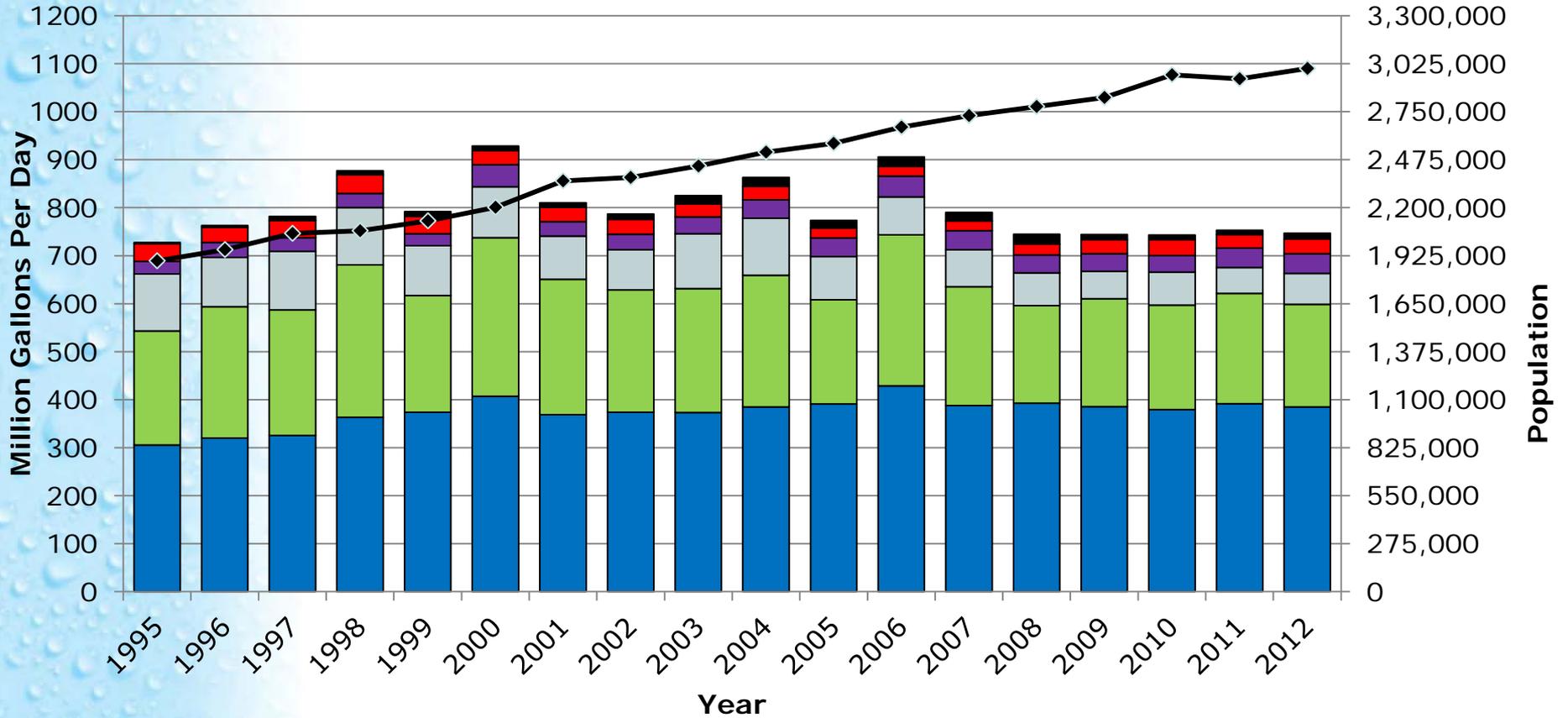


# Central Florida Water Initiative



# Central Florida Water Initiative

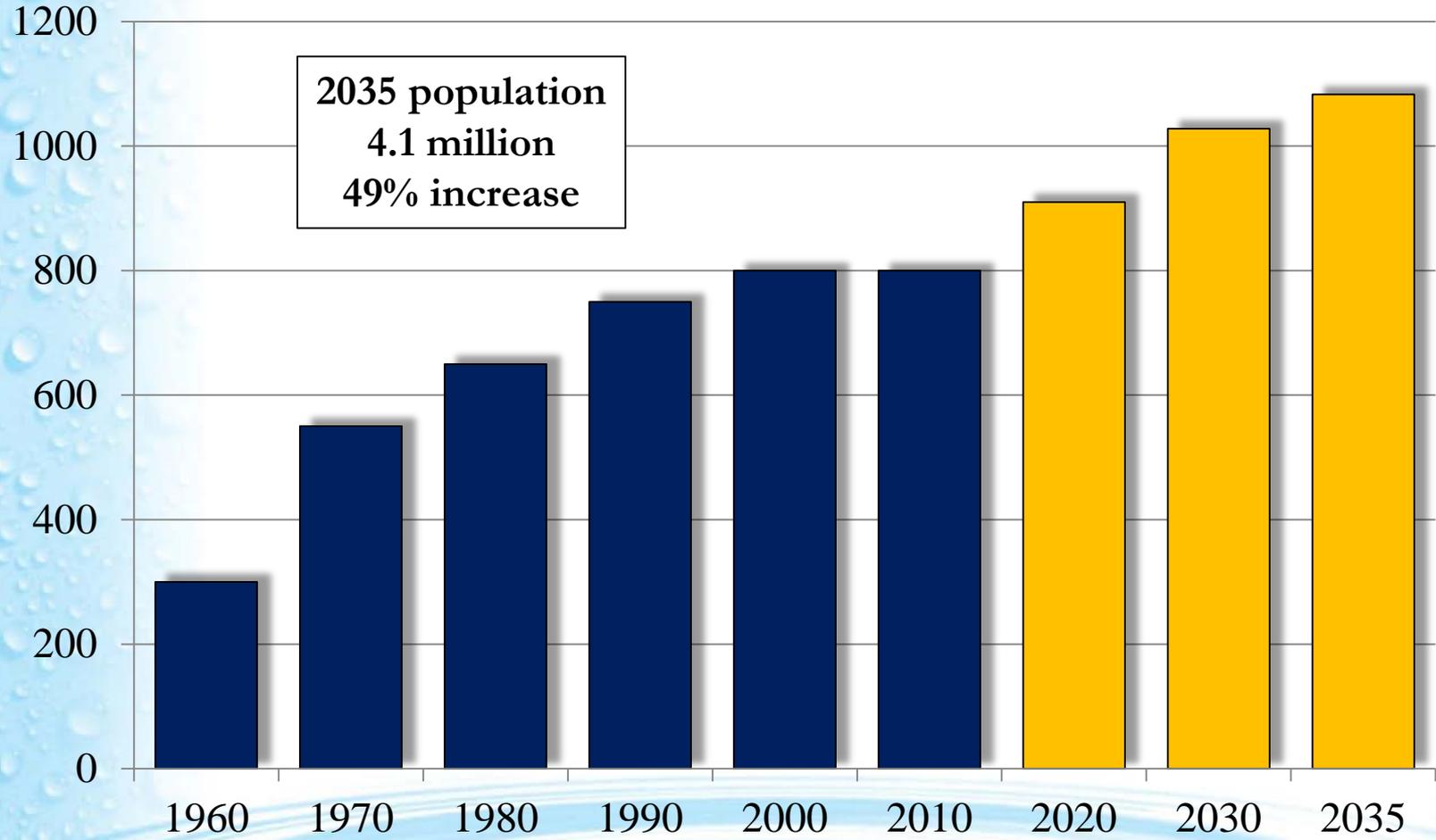
## Historic Water Use -vs- Population in the CFWI



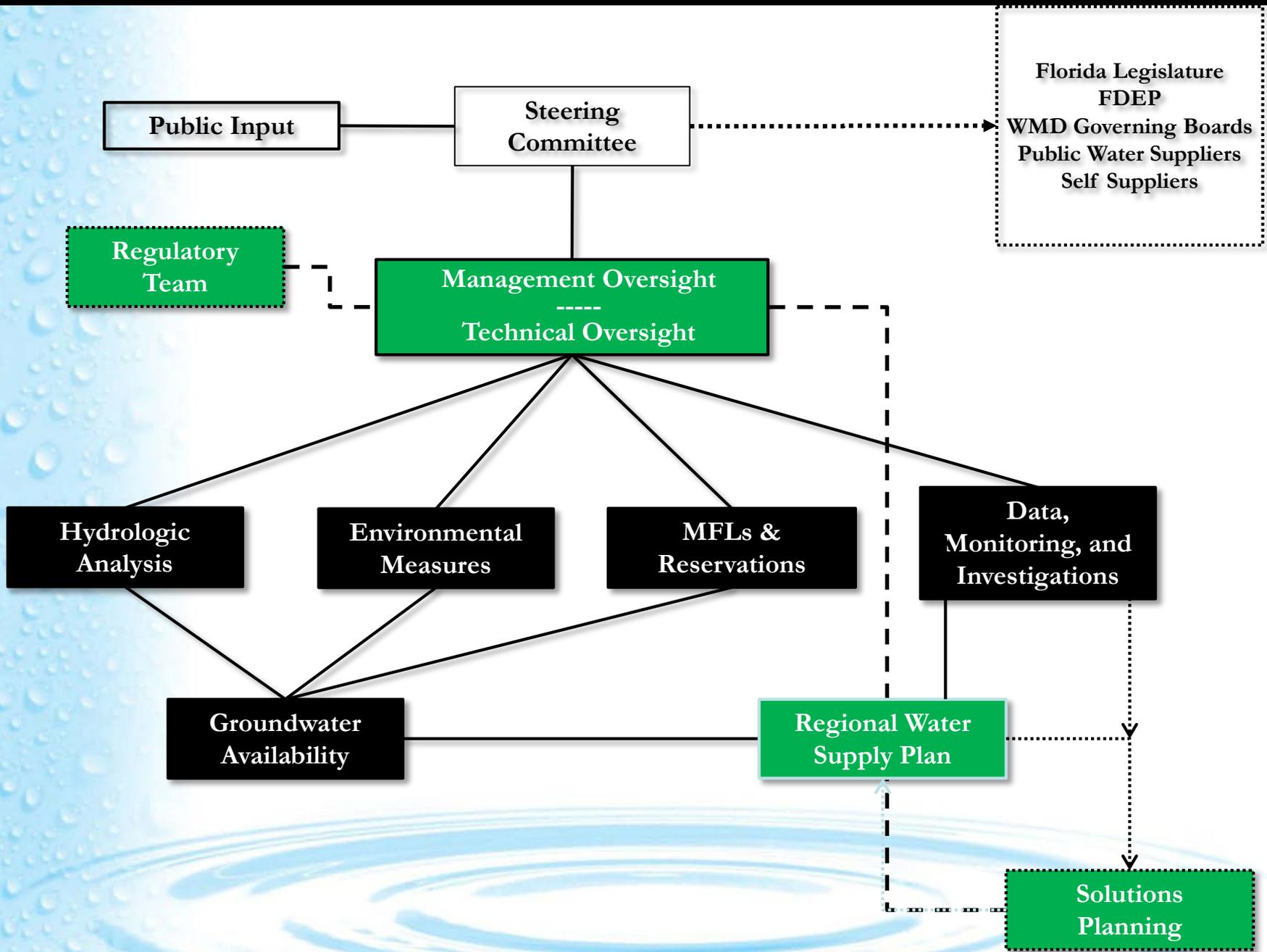
- Power Generation
- Domestic Self-Supply
- Landscape / Recreational / Aesthetic
- Commercial / Industrial / Institutional & Mining / Dewatering
- Agriculture
- Public Supply

# Water Use

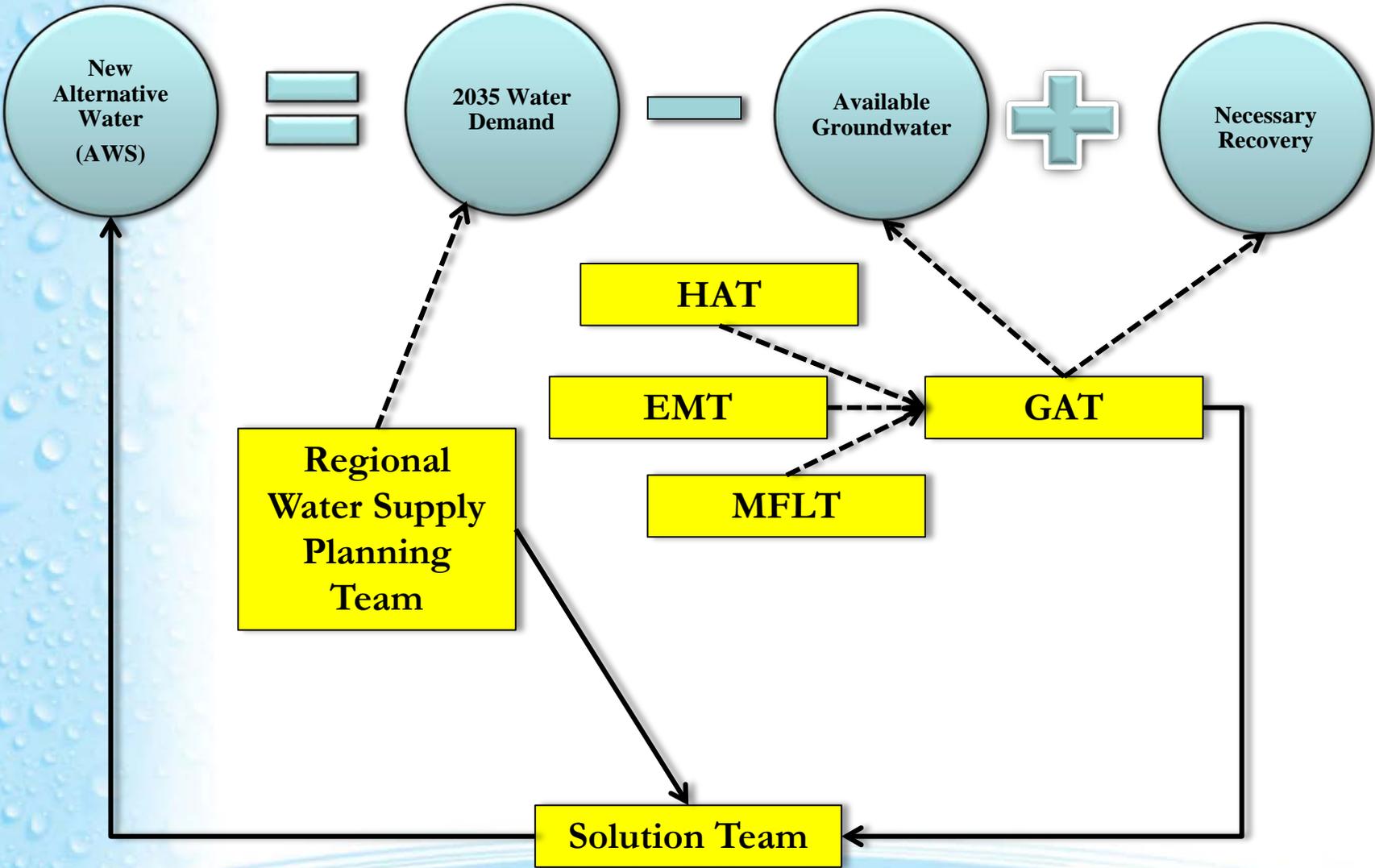
**MGD**



# Central Florida Water Initiative

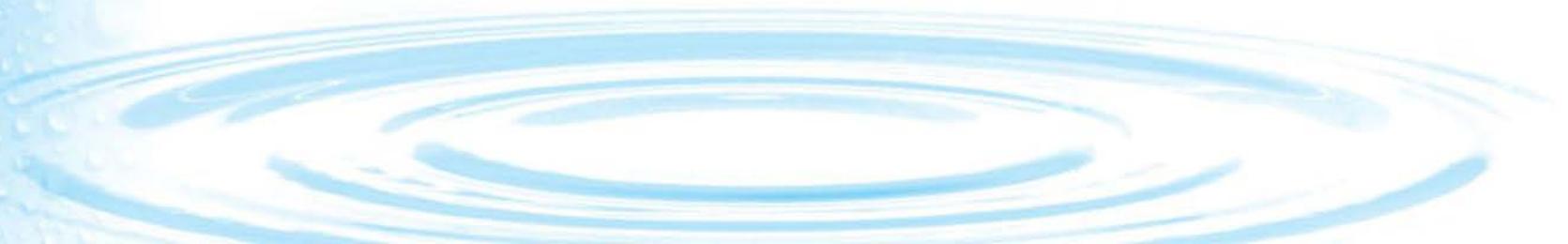


# Central Florida Water Initiative



# Hydrologic Analysis

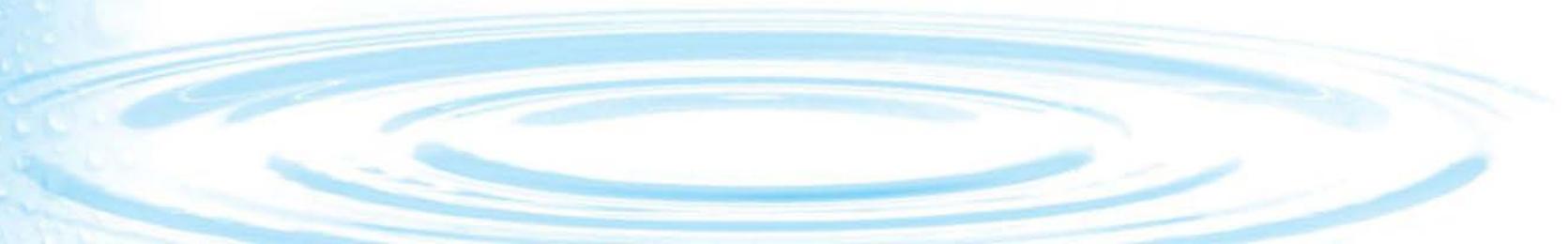
- Ensure that the most **appropriate science** is applied to the modeling and data analysis to support decision making and that the work completed is defensible, understood by the initiative participants and **collaboratively developed**.



<b>Hydrologic Analysis Team</b>	✓ Key Components Model Calibration
	✓ Technology Transfer Protocol
	✓ <b>Statistical Trends in Hydrologic Data</b>
	✓ USGS Project to Quantify Factors Affecting Groundwater and Lake Levels in the Central Florida Area
	✓ Initial Model Scenarios
	✓ <b>Model Documentation</b>

# Minimum Flows and Levels and Reservations

- Evaluate the status of existing MFLs and reservations and develop collaborative measures (**measuring sticks**) to evaluate the effect of existing and proposed withdrawal scenarios.



## Minimum Flows and Levels and Reservations Team

- ✓ Review and understand the various approaches used by the WMDs to set MFLs/Reservations
- ✓ Identify approaches that have been used for existing MFLs/Reservations
- ✓ Develop options for consistently evaluating for the status of MFLs
- ✓ Coordinate with the RWSP Team; provide a description of the status of adopted MFLs
- ✓ **Evaluate current peer review process of each WMD; develop options for a standard procedure to peer review MFLs/Reservations**
- ✓ **Develop and document “measuring sticks” to evaluate MFLs status and other resource considerations in the planning process**
- ✓ **Document the existing processes for developing priority water body lists for MFLs/Reservations**
- ✓ Evaluate MFL responses to “solution scenarios” to assess effects on water bodies with MFLs

# Environmental Measures

- Perform **environmental assessments** of wetlands and surface waters, and other related work in **support** of determining sustainable groundwater withdrawals.

**Environmental  
Measures  
Team**

✓ Evaluate current conditions

✓ **Relate current conditions to output  
of hydrologic model**

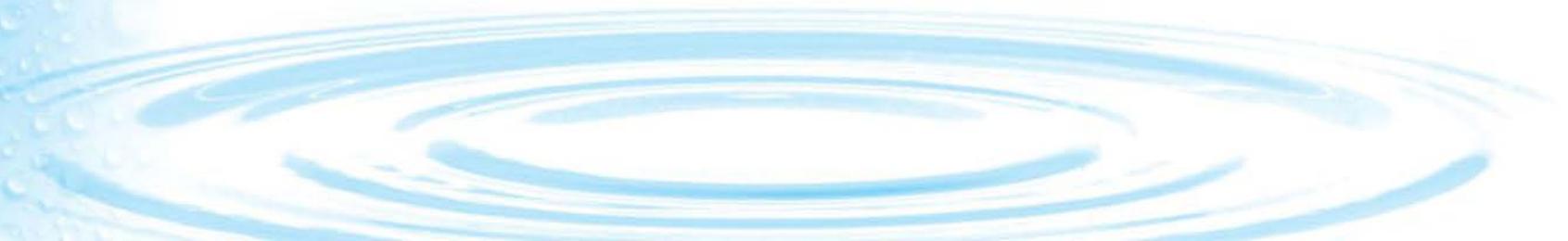
# Data, Monitoring and Investigations

- Ensure that available hydrologic, environmental, and other **pertinent data** collected throughout the region, that is of a quality that can be, is identified, inventoried, and accessible to **support technical initiatives and regulatory activities.**

<b>Data Monitoring &amp; Investigations Team</b>	✓ <b>Standard data inventory sheet</b>
	✓ Intra-and inter-agency investigation of other existing data
	✓ Inventory Development
	✓ <b>Establish Minimum Standards for Data Collection</b>
	✓ <b>Develop Recommendations for Regional Monitoring</b>

# Groundwater Availability

- Develop **planning level estimates** of groundwater availability for consideration by the Steering Committee in addressing CFWI Guiding Principal #1.



**Groundwater  
Availability  
Team**

✓ Identify evaluation methodologies

✓ **Groundwater Withdrawal Impacts**

✓ **Estimate of Groundwater  
Availability**

# CFWI Regional Water Supply Plan

- Develop a **regional water supply plan** that ensures the protection of the water resources and related natural systems and identifies sustainable water supply for all water uses through the **planning horizon (2035)**.

## Regional Water Supply Plan Team

- ✓ Develop and assimilate population and water demand projections
- ✓ Develop water conservation component for the CFWI
- ✓ Evaluate and assess water sources by Groundwater availability team
- ✓ Develop water supply development component options
- ✓ Develop water resource development component options
- ✓ Conduct public workshops and meetings on the Regional Water Supply Plan
- ✓ **Produce Draft Regional Water Supply Plan**
- ✓ **Incorporate changes from the CFWI Plan**

# Solutions Planning

- Develop **alternatives to meet water needs including restoration**
- The final work product of the SPT will be the findings to the Steering Committee in a **“CFWI 2035 Water Resources Protection and Water Supply Strategies”** document.

<b>Solutions Planning Team</b>	✓ Develop a plan to achieve the SPT Goal and Objectives
	<b>Develop a strategy document</b>
	✓ Establish technical sub-teams
	✓ Identify rule inconsistencies

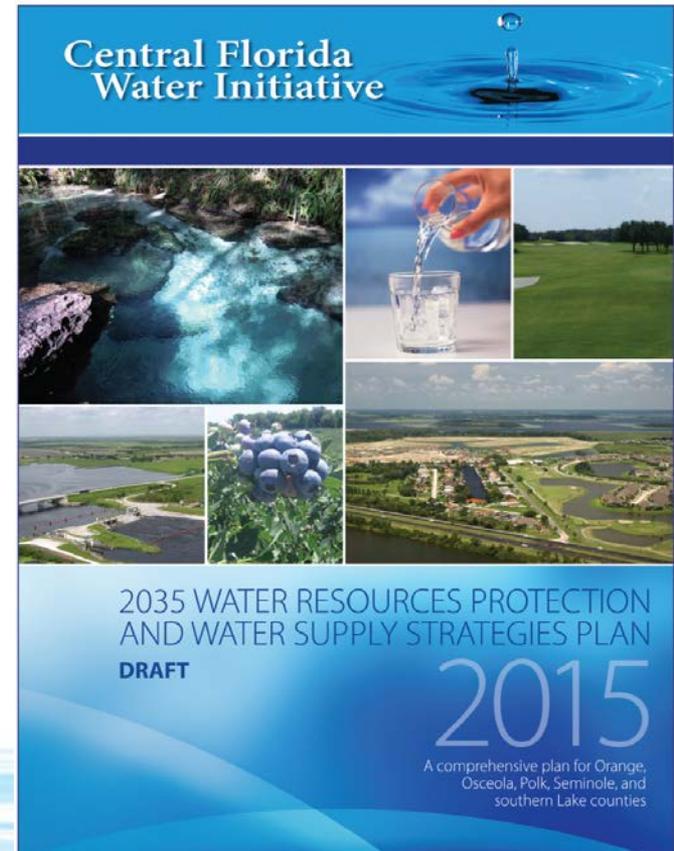
# Regulatory

- Develop **options for consistent regulations** as well as identify Legislative changes, as needed, to implement the solution strategies identified, to assist with resource recovery strategies, and to provide for **equitable and predictable** review of consumptive use permit applications among the districts.

<b>Regulatory Team</b>	✓ <b>Report consumptive use program data</b>
	✓ <b>Regulatory and statutory options</b>
	✓ Develop sustainability, demands, and strategy options
	✓ Review management activities
	✓ Regulatory alignment options
	Implementation consistency
	✓ Report findings
	✓ Reasonable-beneficial demands options

# Steering Committee priority emphasis

1. addressing historic water resource impacts
2. increasing water conservation
3. maximizing reclaimed water use
4. completing DMIT recommendation within five years
5. focusing on programs and projects of regional significance

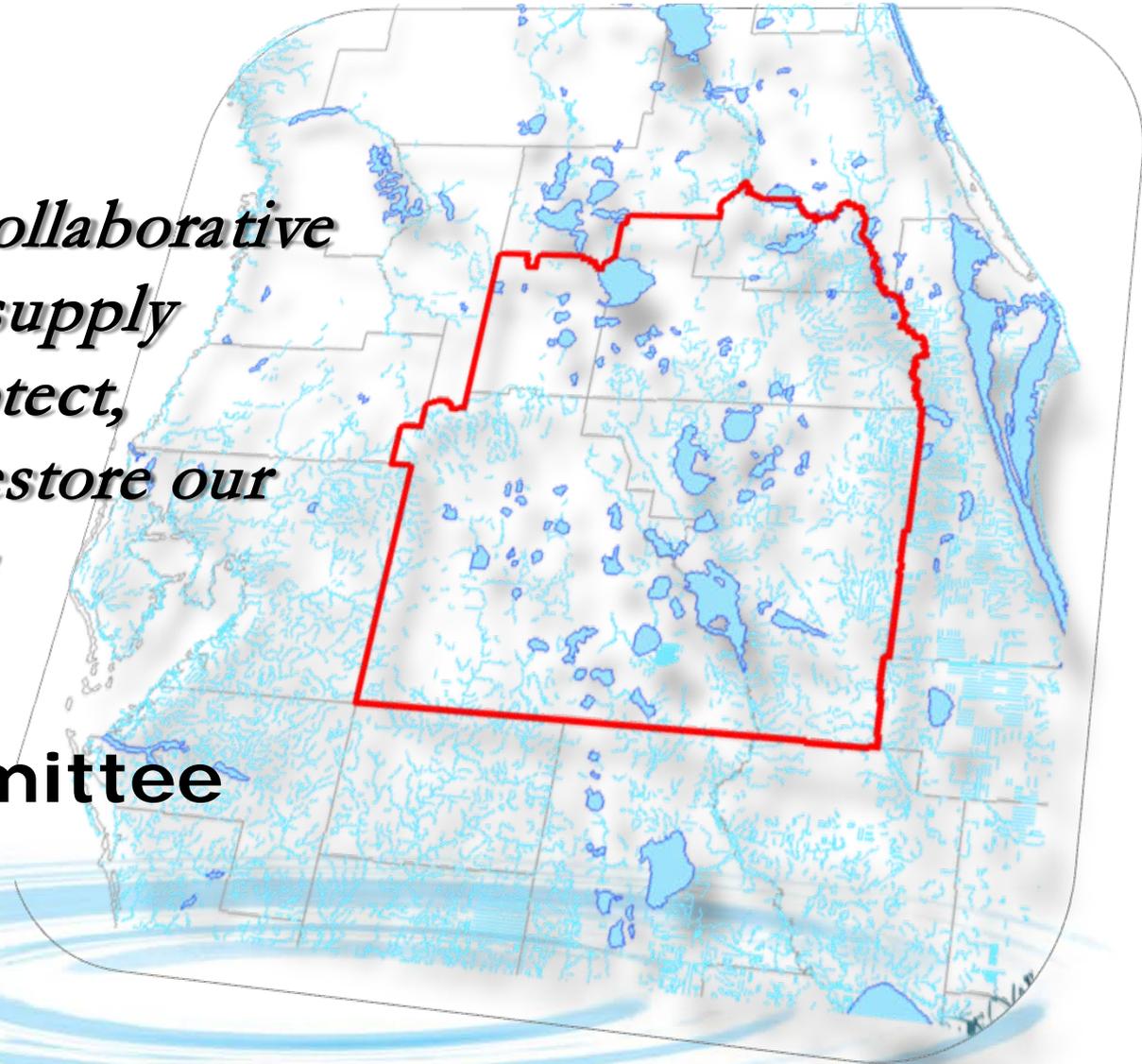


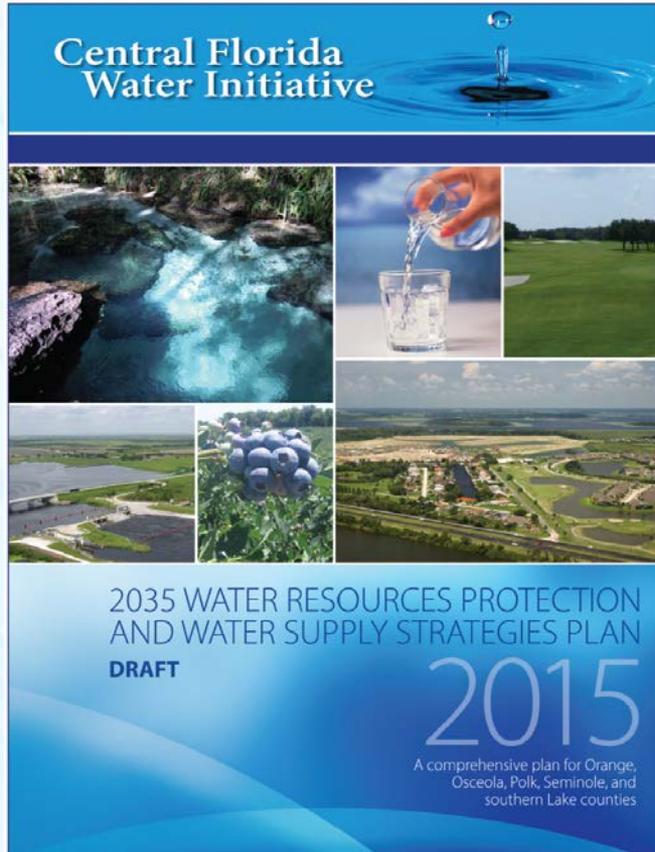
# PROGRESS TO DATE

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**Steering Committee**

May 8, 2015





## QUESTIONS?