



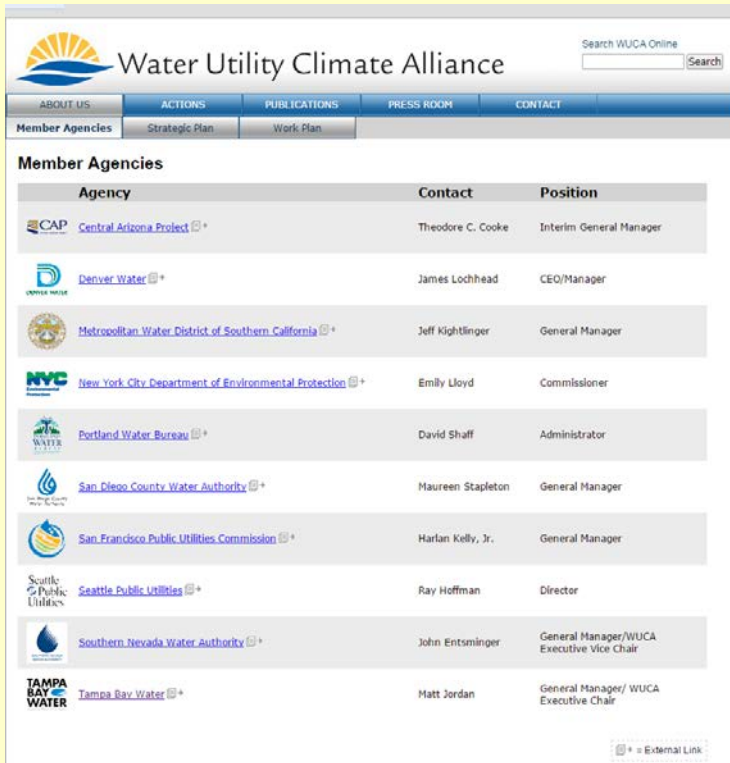
2017 Standings

SEC - East





















| | CONF |
|--|------|
|  Florida | 3-0 |
|  Georgia | 2-0 |
|  Kentucky | 1-1 |
|  South Carolina | 1-2 |
|  Missouri | 0-2 |
|  Tennessee | 0-2 |
|  Vanderbilt | 0-2 |


Origination of FloridaWCA

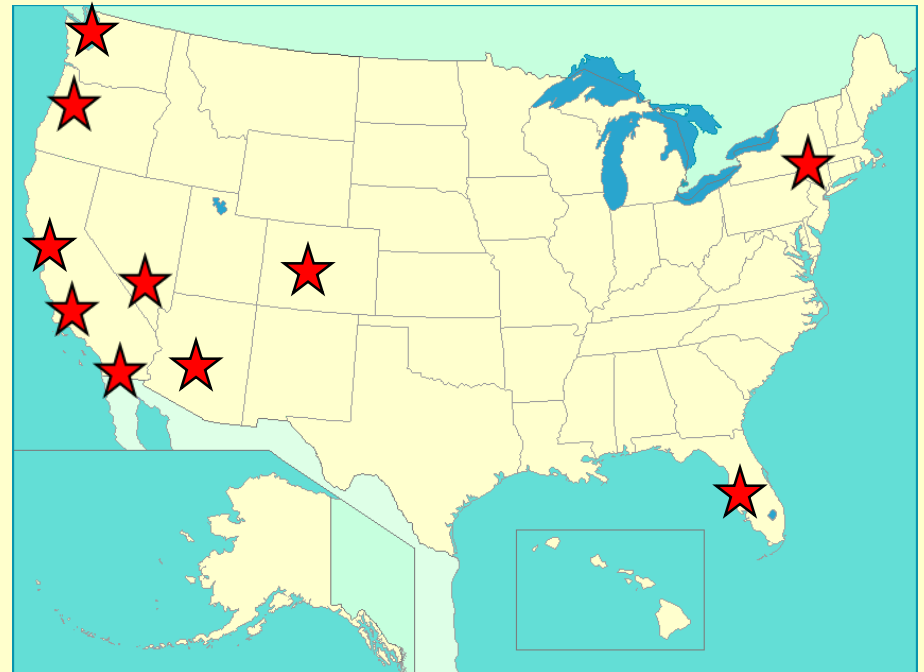
- Tampa Bay Water was a charter member of the Water Utility Climate Alliance – 10 Major Metropolitan Water Providers



The screenshot shows the Water Utility Climate Alliance website. At the top is the logo and a search bar. Below are navigation tabs: ABOUT US, ACTIONS, PUBLICATIONS, PRESS ROOM, and CONTACT. Under the ACTIONS tab, there are links for Member Agencies, Strategic Plan, and Work Plan. The Member Agencies section features a table with the following data:

| Agency | Contact | Position |
|--|-------------------|---|
|  Central Arizona Project  | Theodore C. Cooke | Interim General Manager |
|  Denver Water  | James Lochhead | CEO/Manager |
|  Metropolitan Water District of Southern California  | Jeff Kightlinger | General Manager |
|  New York City Department of Environmental Protection  | Emily Lloyd | Commissioner |
|  Portland Water Bureau  | David Shaff | Administrator |
|  San Diego County Water Authority  | Maureen Stapleton | General Manager |
|  San Francisco Public Utilities Commission  | Harlan Kelly, Jr. | General Manager |
|  Seattle Public Utilities  | Ray Hoffman | Director |
|  Southern Nevada Water Authority  | John Entsminger | General Manager/WUCA Executive Vice Chair |
|  Tampa Bay Water  | Matt Jordan | General Manager/ WUCA Executive Chair |

At the bottom right, there is a legend:  = External Link.



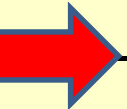
Origination of FloridaWCA

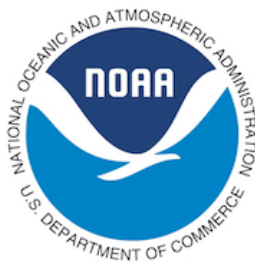
- Tampa Bay Water realized the value of a Florida-Centric Stakeholder-Scientist Working Group
- Tampa Bay Water, together with the UF Water Institute initiated – Stakeholder-Scientist Working Group in 2009
- Over the next few years:
 - Identity became **Florida Water and Climate Alliance**
 - Executed 2 NOAA Sectoral Applied Research Program (SARP) Grant Projects
 - Developed a website: www.FloridaWCA.org
 - More than 20 publications
 - Numerous presentations at seminars & conferences

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SARP

Sectoral Applications Research Program

Thrust Areas



Ecosystem



Water Institute Classification Level



Collaborative Development of Public Water Supply Utility Relevant Climate Information for Improved Operations and Planning

Goals and Objectives

The University of Florida Water Institute, Florida State University and the Southeast Climate Consortium, along with representatives from seven major public water supply utilities and three Water Management Districts in Florida, propose to develop and implement a collaborative Working Group to increase the regional relevance and usability of climate and sea level rise data and tools for the specific needs of water suppliers and resources managers in Florida. The Florida Water and Climate Alliance (FloridaWCA) Working Group will operate as a learning and collaboration platform and will employ participatory methods and a knowledge management framework to promote shared knowledge, data, models and decision-making tools.

[Click here for detailed information on the FloridaWCA including working documents, workshops, and related information.](#)

Available Outputs

Title: Assessment of alternative methods for statistically downscaling daily GCM precipitation outputs to simulate regional streamflow. JAWRA Journal of the American Water Resources Association 50 (4), 1010-1032, 2014.

Authors: Hwang, S., and W. Graham

Project Lead

Graham, Wendy Dimbero

Project Participants

Graham, Wendy Dimbero

Ingram, Keith Talbert

Irani, Tracy Anne

Additional Participants

Sebastian Galindo

Christopher Martinez

Vasu Misra, FSU

Lisette Staal, UF Water Institute

WIClassLevel:

Level 3: WI Directed Project

ThrustArea:

Water and Climate

Sponsor

US DEPT OF COMM NATL OCEANIC & ATMOS ADM

Thrust Areas



Ecosystem



Water Institute Classification Level



Use of seasonal climate forecasts to minimize short-term operational risks for water supply and ecosystem restoration

Goals and Objectives

The overall goal of this project is to improve the regional relevance of seasonal climate forecasts and increase their usability for multiple water managers in Florida to minimize short-term operational risks for water supply as well as ecosystem restoration. This project is integrated with the Public Water Supply Utilities —Climate Impacts Working Group see research project and related working group web-page.

The specific objectives of this project are to:

- Evaluate of the skill of the large-scale NMME seasonal climate predictions (temperature, precipitation, solar radiation, humidity, wind speed) on a daily basis over all seasons and over a common grid across the Southeast US. We will use the NMME set of seasonal hindcasts (<http://iridl.ldeo.columbia.edu/SOURCES/.Models/NMME/>), which are from seven different global coupled ocean-atmosphere models.

- Statistical downscaling of the NMME forecasts to the watershed scale and evaluate the skill of these seasonal predictions over three specific domains: Peace River Manasota Regional Water Supply Authority, Tampa Bay Water and the South Florida Water Management District.

- Execution of a comparative study across three organizations of the benefits and limitations of using seasonal climate forecasts for their operational needs using the following techniques: Interviews, Qualitative focus groups, Cross organizational comparisons and analysis

Project Lead

Graham, Wendy Dimbero

Project Participants

Graham, Wendy Dimbero

Martinez, Christopher J

Additional Participants

Alison Adams, Tampa Bay Water

Ronnie Best, USGS

Jessica Bolson, SECC, UF

Ben Kirtman, U Miami

Vasu Misra, FSU

Kevin Morris, MRWSA

Louis Murray, USGS

Jayantha Obeysekera, SFWMD

Lisette Staal, UF Water Institute

WIClassLevel:

Level 3: WI Directed Project

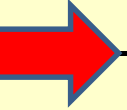
ThrustArea:

Water and Climate

Sponsor

US DEPT OF COMMERCE

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Learning Network

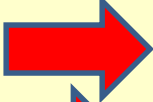

What we are interested in, who we are, and what we do together are all equal aspects of building the FloridaWCA learning network and producing viable, relevant outcomes of mutual interest to the members. Bringing together multiple stakeholders with different perspectives and organizational contexts requires engagement, program and logistical coordination, and mechanisms for feedback. Our encounters must be more than a collection of meetings!

The FloridaWCA employs an iterative process guided by key social learning and educational foundations (E. Wenger's "Communities of Practice" and D. Kolb's Experiential Learning.) We are engaging in a deliberate set of workshops and activities to create learning opportunities for 1) understanding the stakeholders' 2) assessing climate tools, 3) evaluating applicability of tool to water resource and supply operations planning, and 4) actual implementation and using the information for making decisions.

Below you can find information on FloridaWCA organization and formation, including documentation of workshops and other activities. Click on links below.

- [Workshops](#) - Agendas, Reports, and Presentations from each workshop are available here
- [Documents](#) - Documents relating to and facilitating the learning network's establishment, development and growth

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So Who are the Members of the Florida Water and Climate Alliance?



[Gainesville Regional Utilities](#)



[Miami-Dade Water and Sewer Department](#)



[Orlando Utilities Commission](#)



[Palm Beach County Water Utilities](#)



[Peace River Manasota Regional Water Supply Authority](#)



[Tampa Bay Water](#)



[Broward County](#)



[St. Johns River Water Management District](#)



[South Florida Water Management District](#)



[Southwest Florida Water Management District](#)



[University of Florida Water Institute](#)



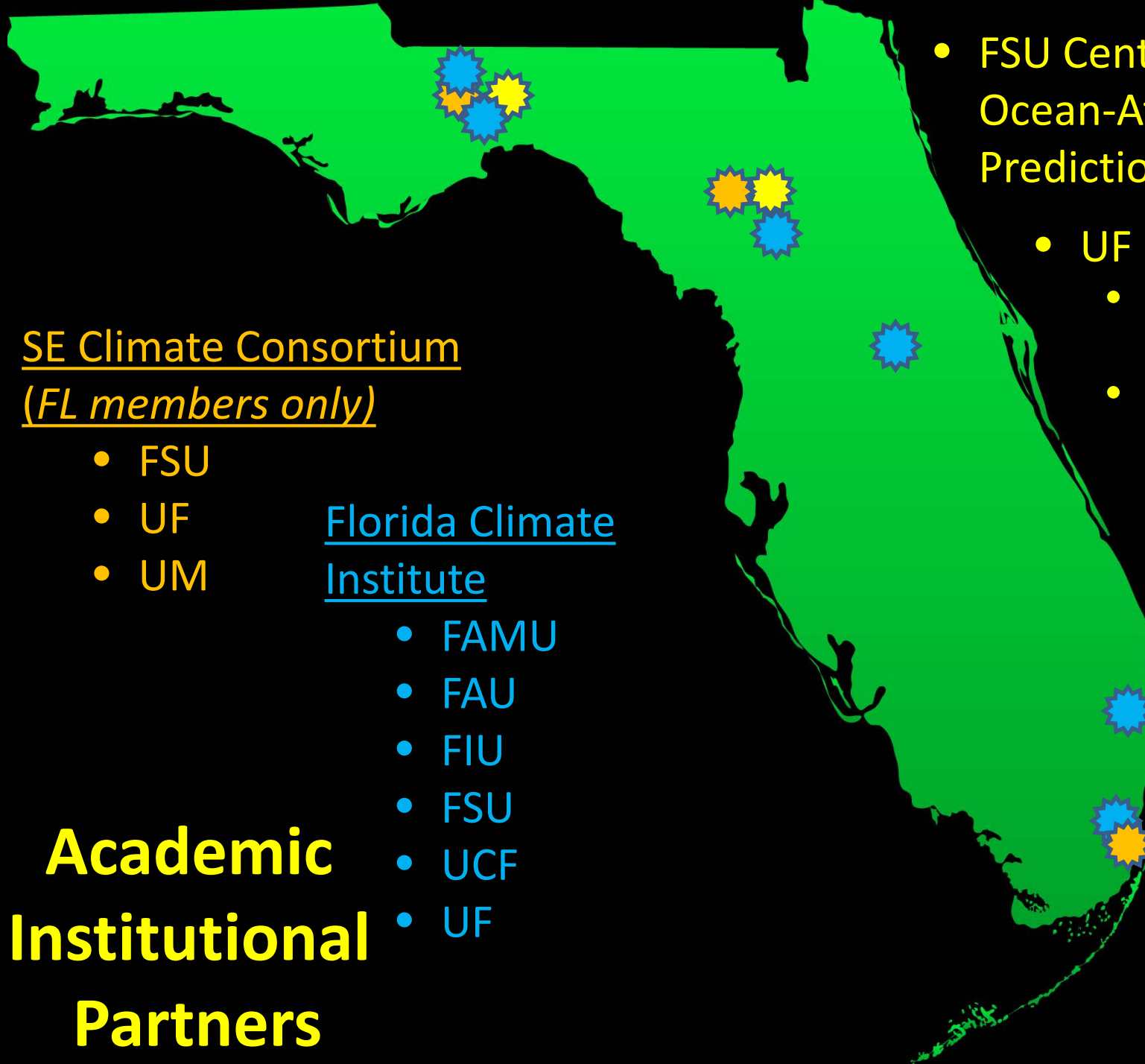
[Florida Climate Institute](#)



[Southeast Climate Consortium](#)



[UF/IFAS Center for Public Issues Education](#)



- FSU Center for Ocean-Atmospheric Prediction Studies

- UF
 - Water Institute
 - IFAS Center for Public Issues Education

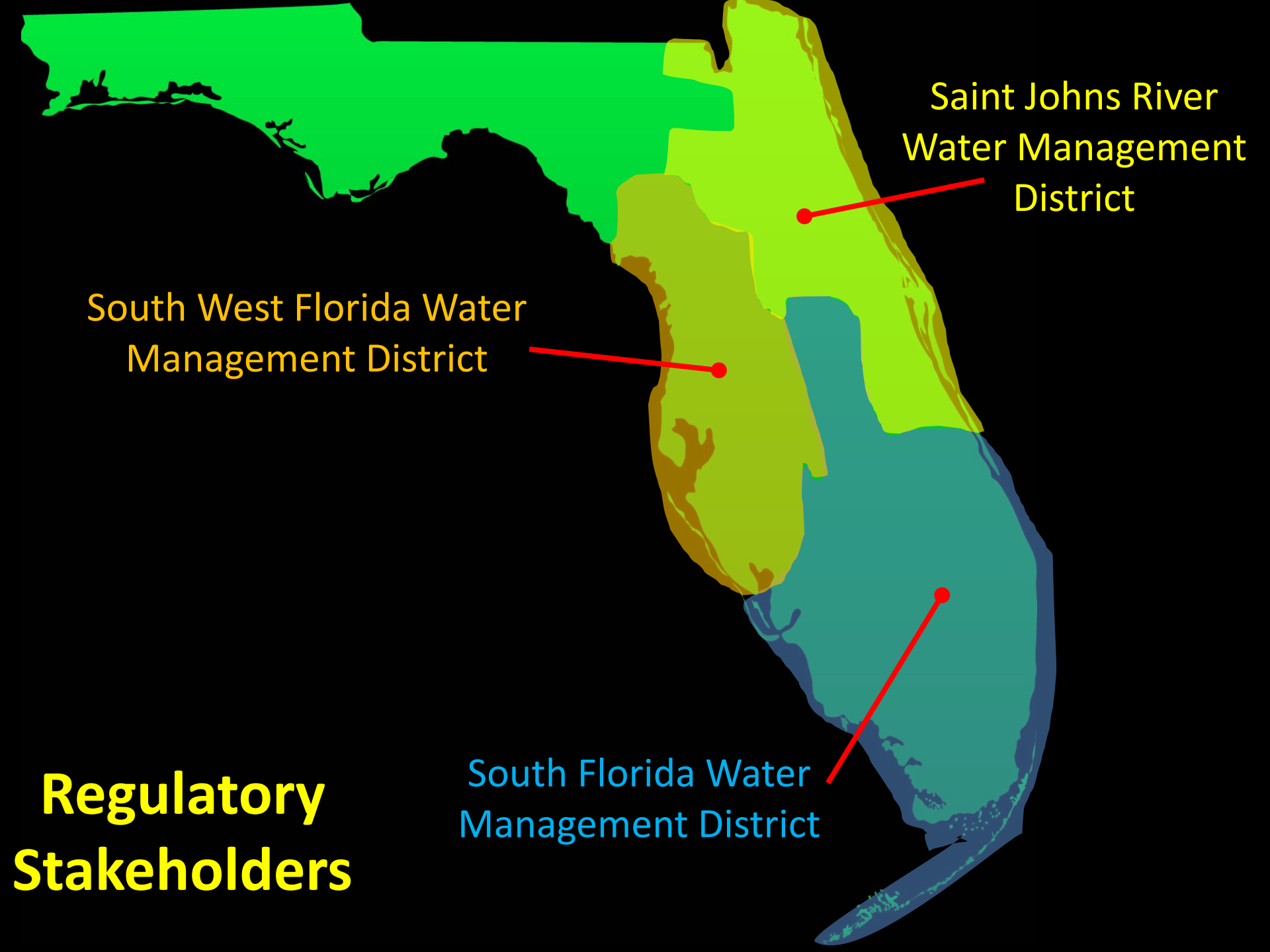
SE Climate Consortium
(FL members only)

- FSU
- UF
- UM

Florida Climate Institute

- FAMU
- FAU
- FIU
- FSU
- UCF
- UF

**Academic
Institutional
Partners**



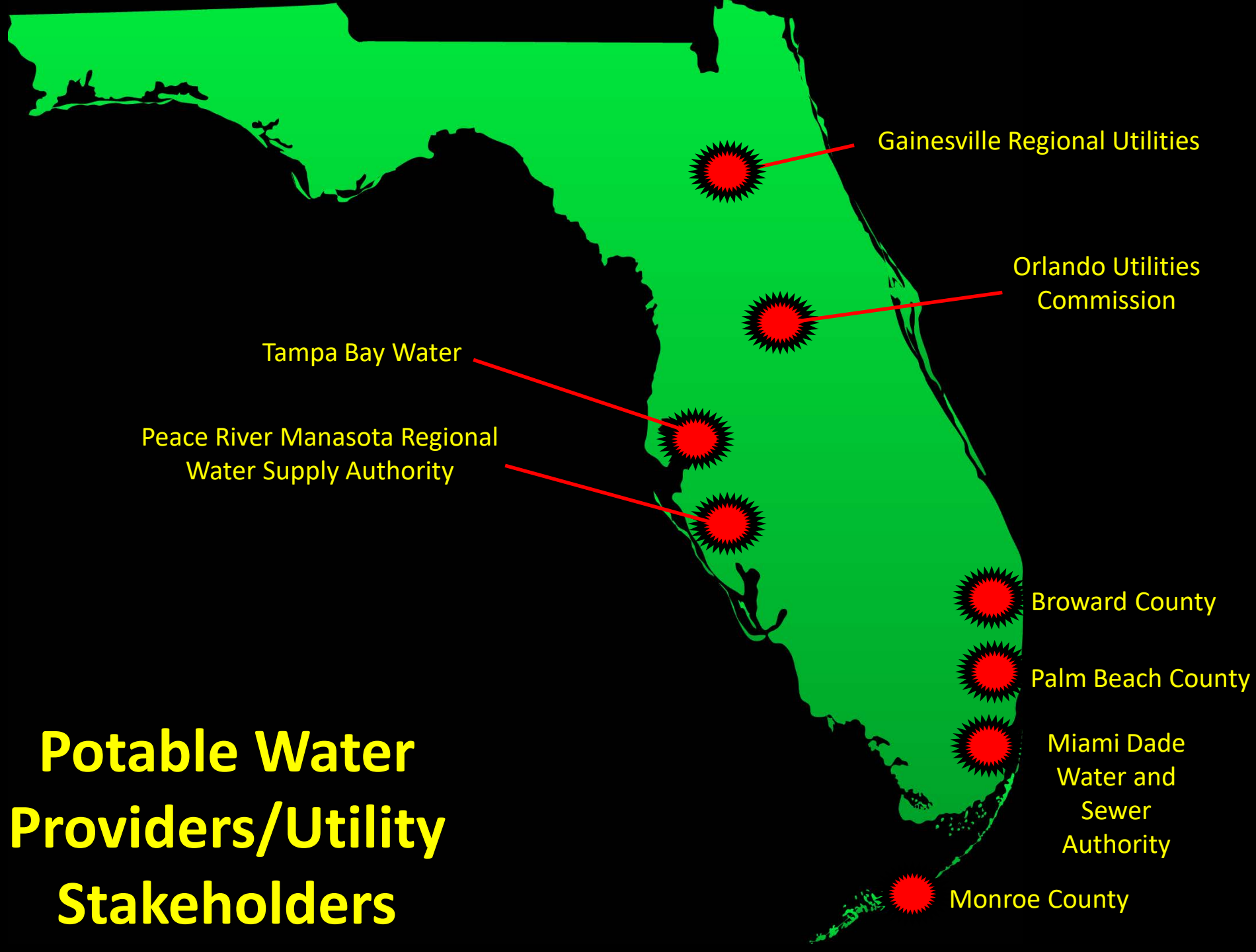
Saint Johns River
Water Management
District

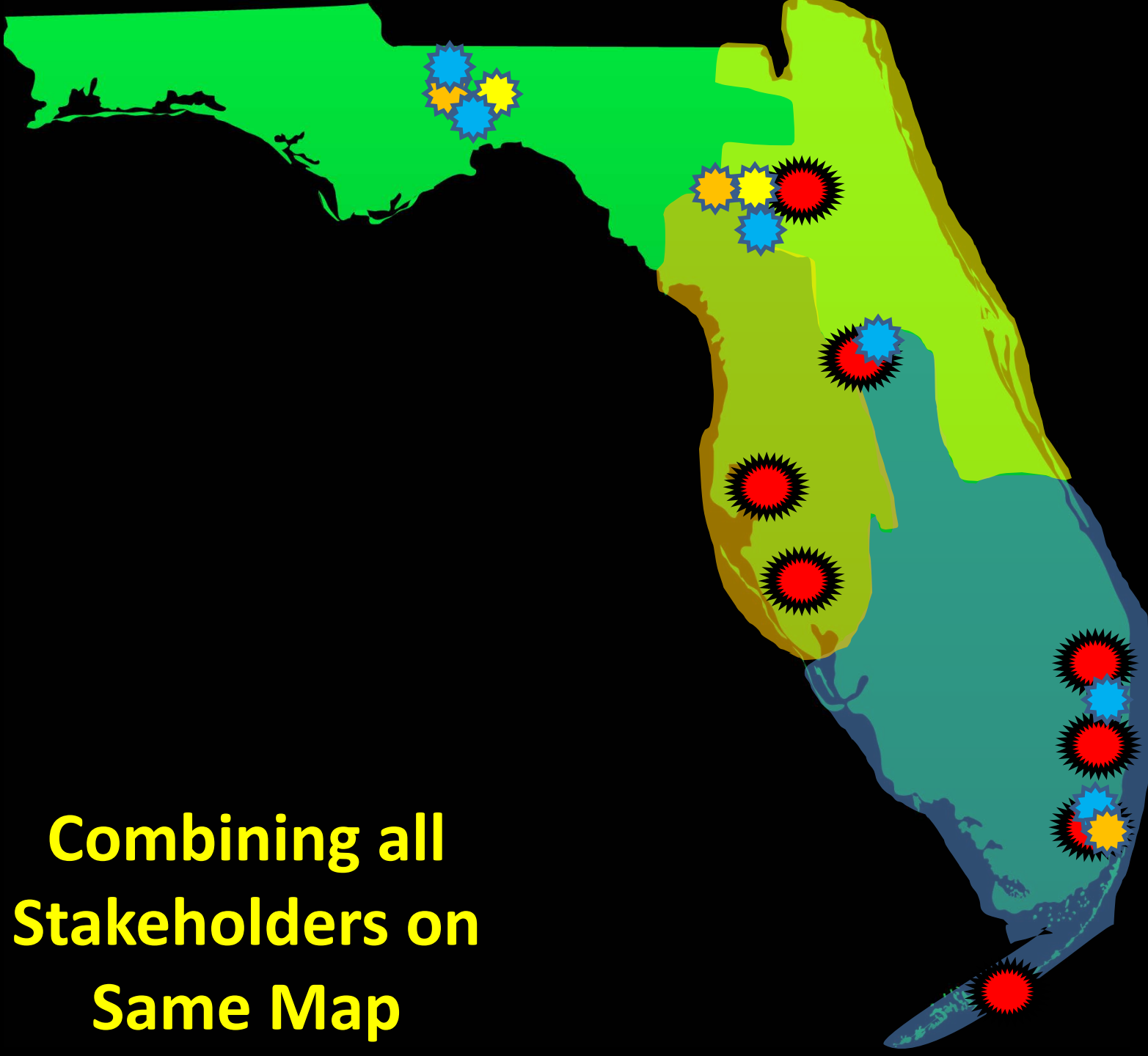
South West Florida Water
Management District

South Florida Water
Management District

**Regulatory
Stakeholders**

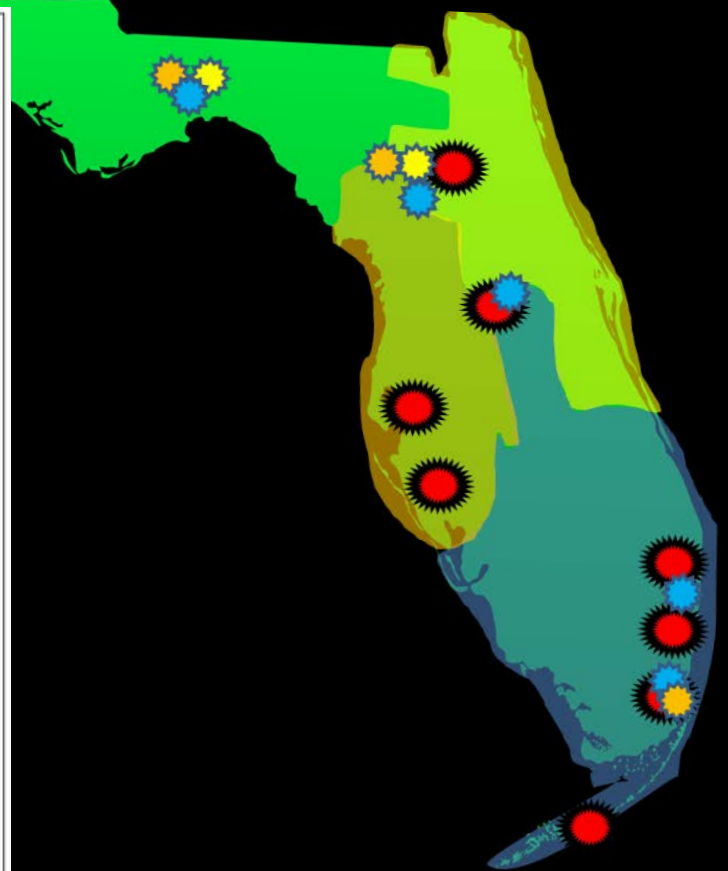
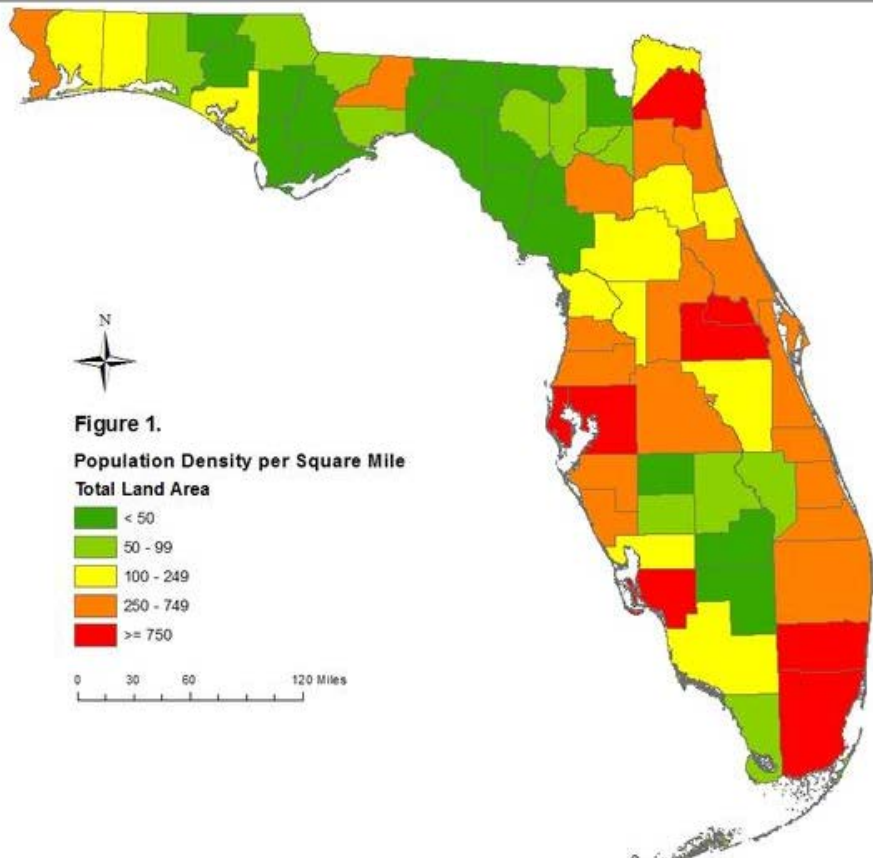
Potable Water Providers/Utility Stakeholders





**Combining all
Stakeholders on
Same Map**

Comparing Florida Water and Climate Stakeholder Coverage to Population Density



FloridaWCA

**“IF EVERYONE’S THINKING
ALIKE, THEN SOMEONE
ISN’T THINKING.”**
— GEORGE S. PATTON

- Diversity Makes the FloridaWCA Unique
- Most Industry/Professional Associations or Affiliations are composited based on commonalities
- This working group was intentionally developed with a target blend of regulators, practitioners, climate researchers & social scientists
- Goal: Work products should be relevant, applicable and can be translated/communicated effectively