



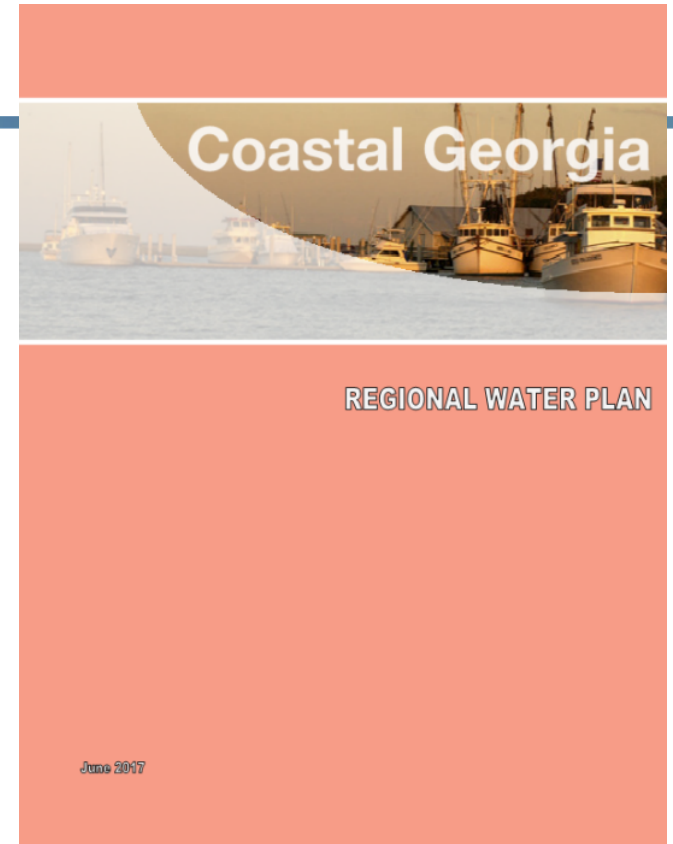
Georgia's  
**State Water Plan**

**2017 Regional Water Plan Update  
Coastal Georgia Regional Water Planning Council  
Outreach Presentation for Liberty, Long and McIntosh Counties  
October 17, 2018**

[www.georgiawaterplanning.org](http://www.georgiawaterplanning.org)

# Presentation Outline

- Background of State Water Planning
  - Findings During the Recent Coastal Georgia Regional Water Plan Update
  - Specifics to Liberty, Long and McIntosh Counties
  - Plan Recommendations and Next Steps
- Green Zone Well Case Study
- Update from EPD Grants Unit Manager
- Public Comments / Q&A



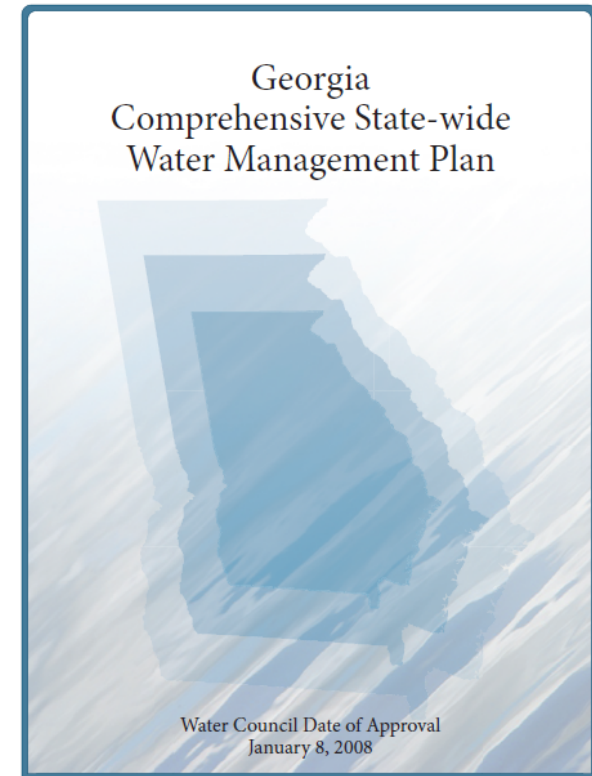
# Drivers for Regional Water Planning

- Rapid population growth of Georgia
- Balance increasing and sometime conflicting demands
- Address water challenges in a more proactive and comprehensive manner
- Flexible and adaptive process utilizing a regional focus



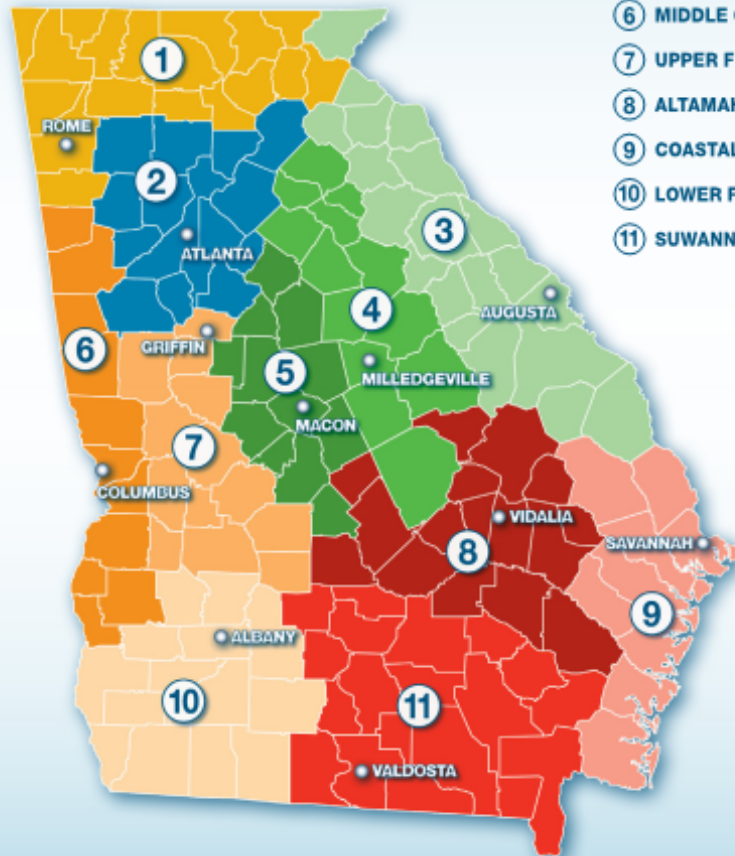
# Regional Water Planning Efforts Statewide

- Comprehensive Statewide Water Management Planning Act (2004)
  - Georgia Water Council
  - Stakeholder process
  - State Water Plan (2008)
- Regional Water Planning
  - Councils appointed (2009)
  - Initial plans adopted after 3-year planning process (2011)
  - Updated plans adopted (2017)
  - Plans reviewed, revised every five years

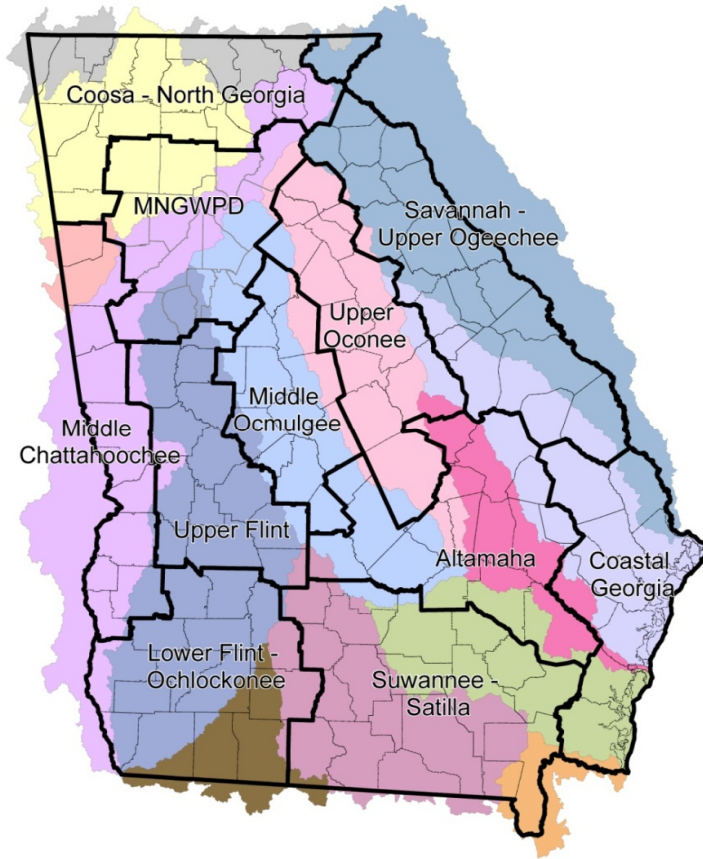


# Georgia's Water Planning Regions

- ① COOSA-NORTH GEORGIA
- ② METRO WATER DISTRICT
- ③ SAVANNAH-UPPER OGEECHEE
- ④ UPPER OCONEE
- ⑤ MIDDLE OCMULGEE
- ⑥ MIDDLE CHATTAHOOCHEE
- ⑦ UPPER FLINT
- ⑧ ALTAMAHA
- ⑨ COASTAL
- ⑩ LOWER FLINT-OCHLOCKONEE
- ⑪ SUWANNEE-SATILLA



## Water Planning Regions



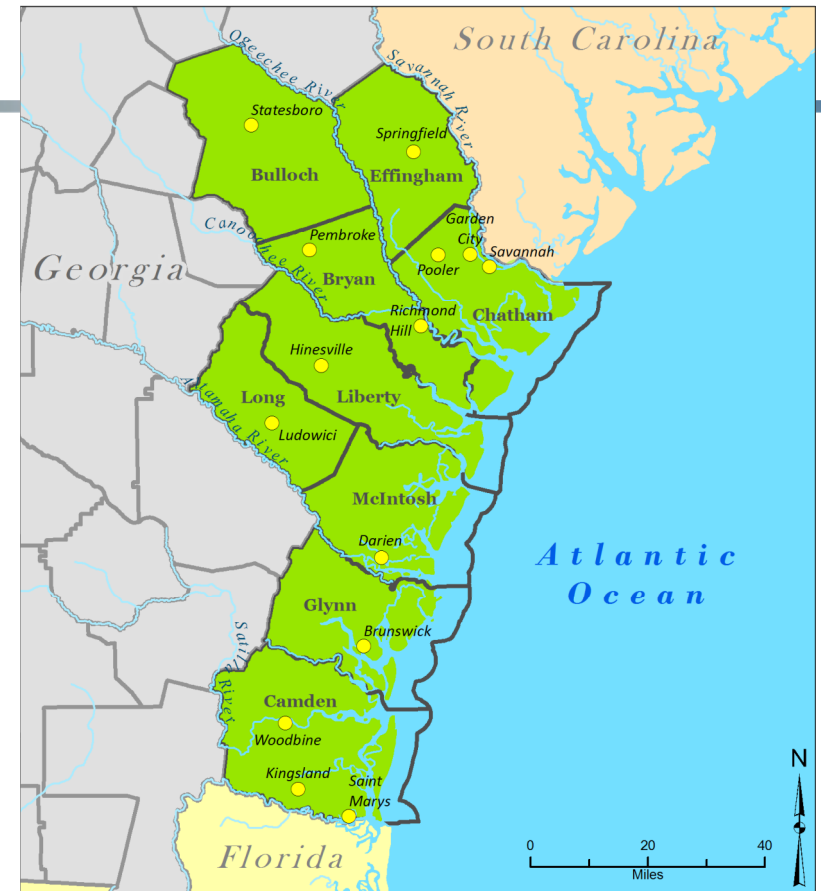
0 5 10 20 30 40 Miles



March 2009

# Coastal Georgia Region

- Nine counties, including six along the coast.
- 680,000 residents in 2015.
- Major cities include: Savannah, Statesboro, Hinesville, St. Mary's, and Brunswick

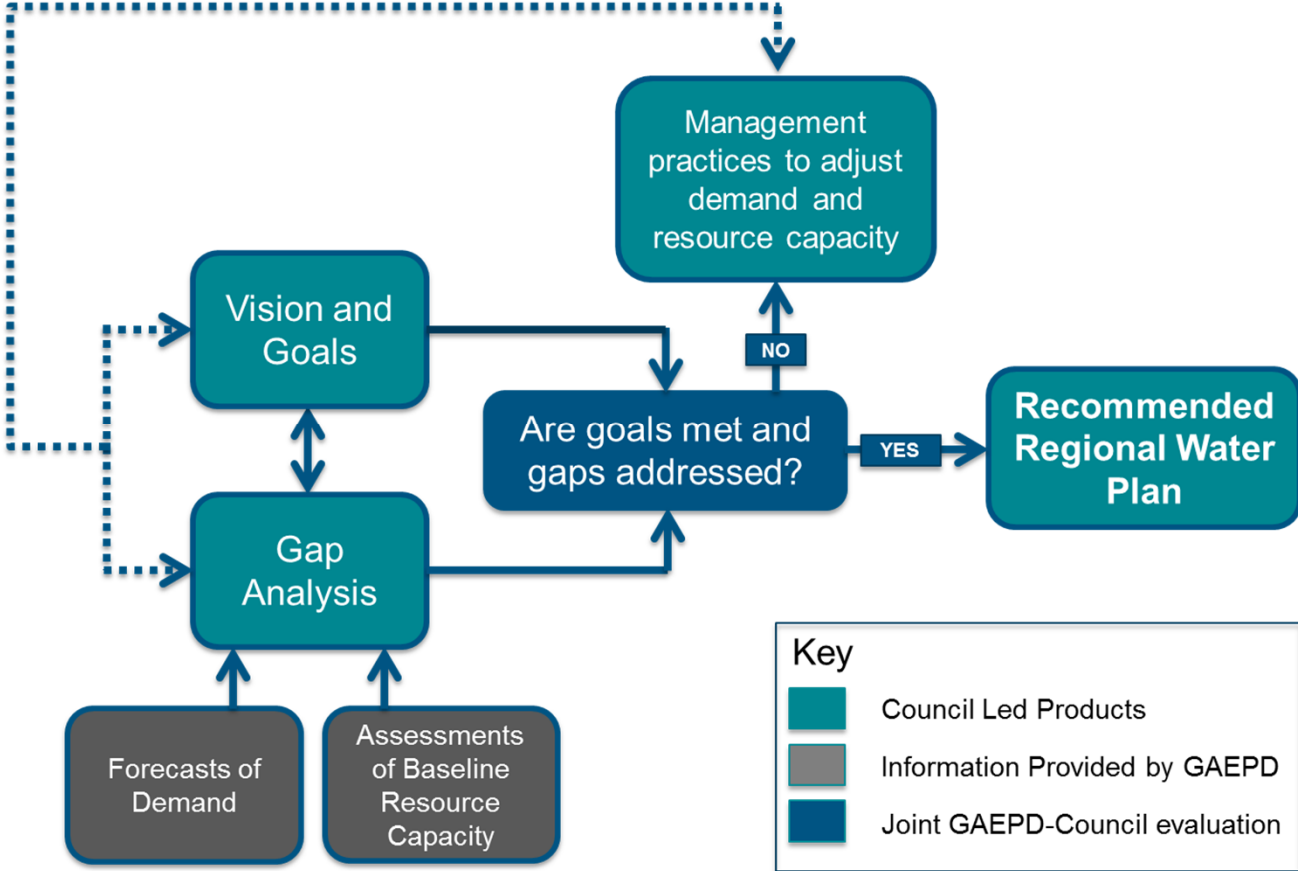


# Coastal Georgia Regional Water Planning Partners

- Regional Water Planning (RWP) Councils
  - Up to 30 members appointed by Governor, Lieutenant Governor, & House Speaker
  - Represent local governments, water users, & other water-related interests
- Georgia Environmental Protection Division (EPD)
- Planning contractors
- Other agencies
- Stakeholders
- Implementing actors

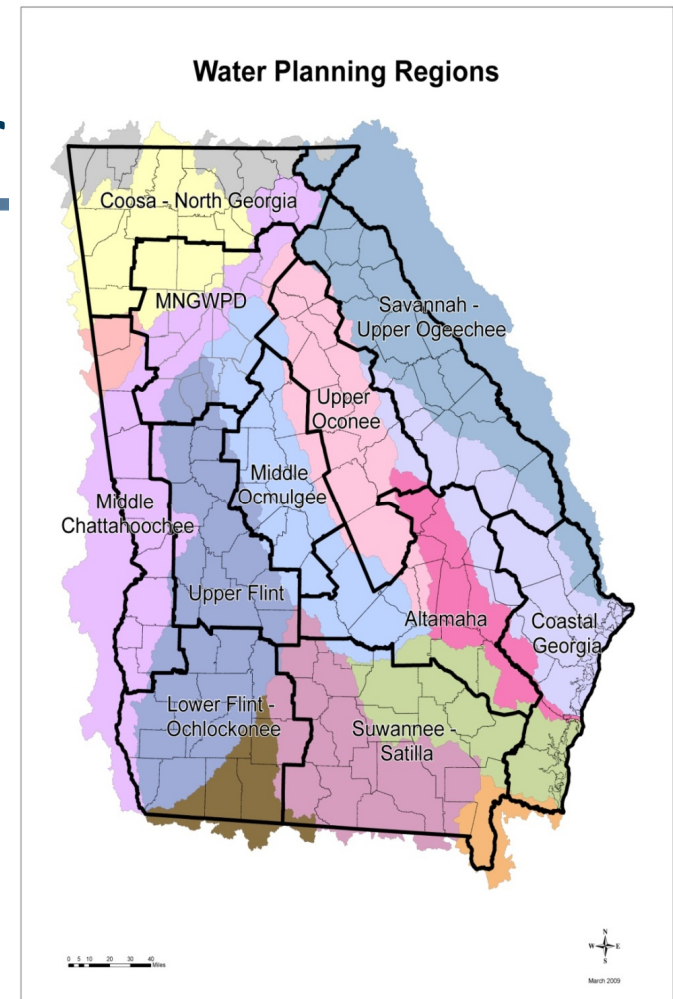


# Coastal Georgia Regional Water Planning Process



# Components of the Coastal Georgia Regional Water

- Vision & goals
- Current & future water supply, wastewater needs
- Resource assessments
- Management practices
- Recommendations to the State



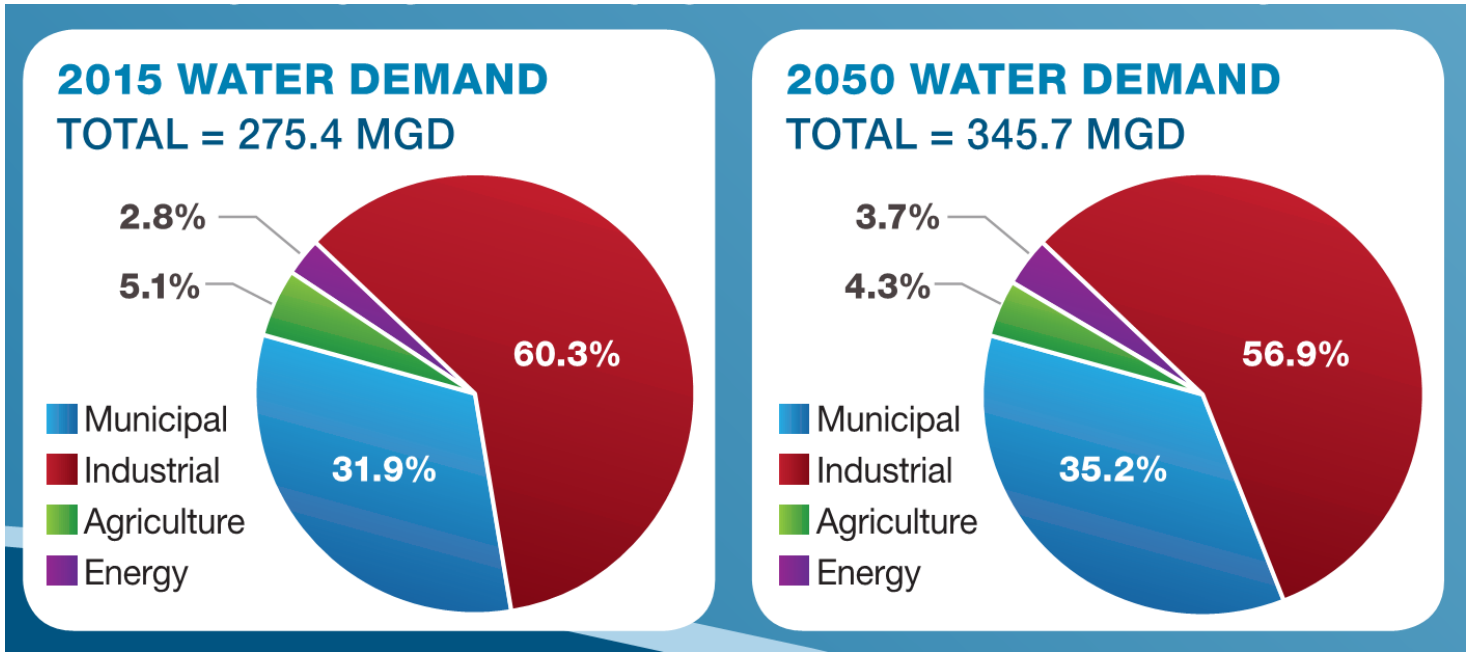
# Coastal Georgia Region Vision

## Coastal Georgia Adopted Vision *as adopted by the Council 9.24.09*

**“The Coastal Georgia Regional Water Planning Council seeks to conserve and manage our water resources in order to sustain and enhance our unique coastal environment and economy of Coastal Georgia.”**

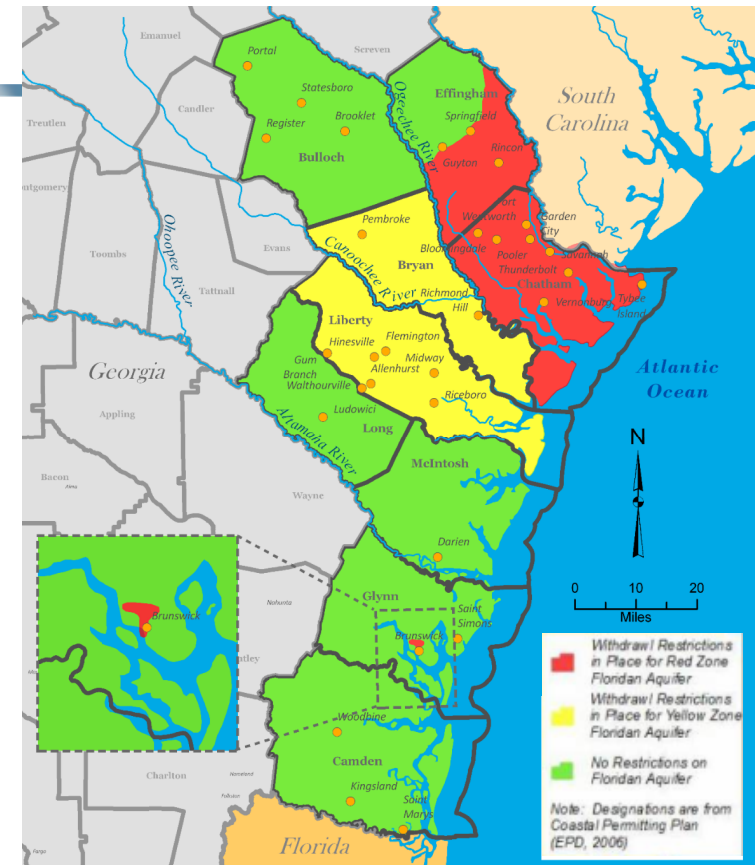


# Coastal Georgia Forecast of Demands

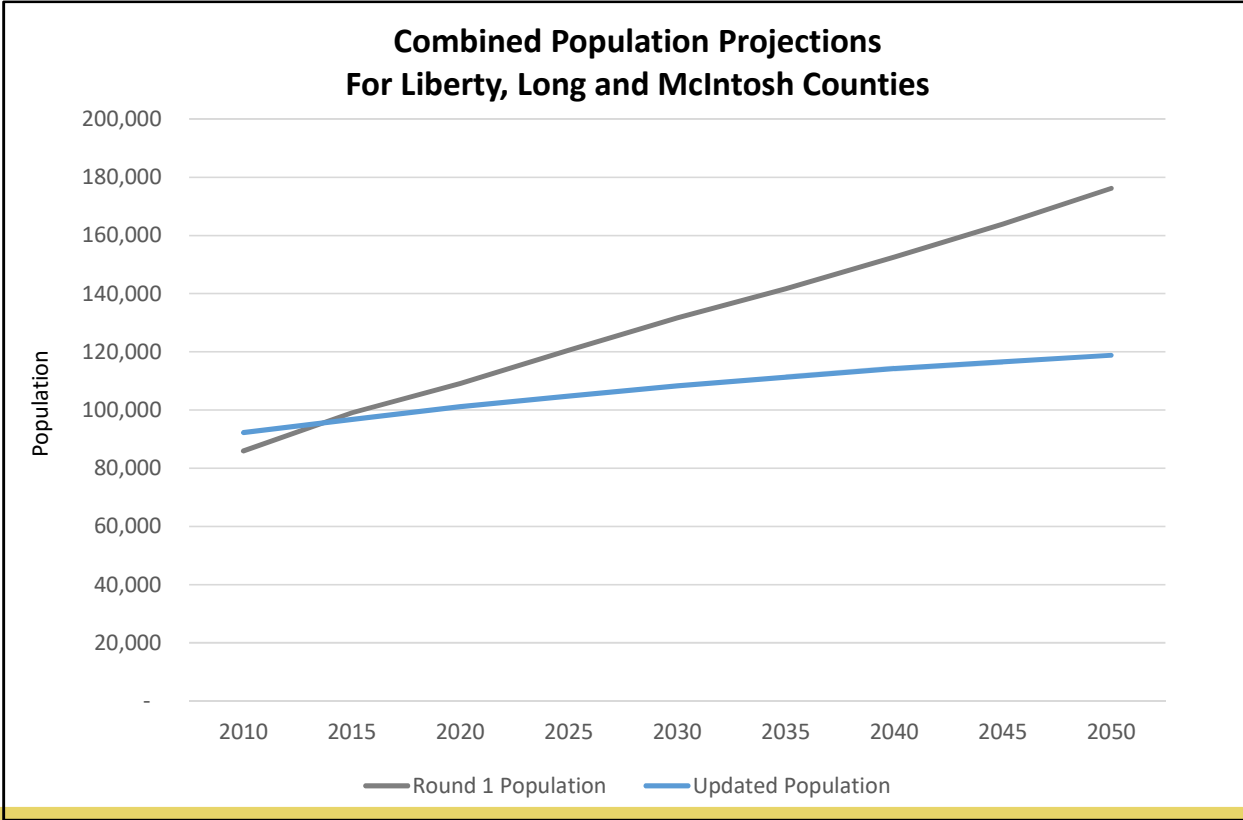


# Coastal Georgia Region Groundwater Availability Assessment

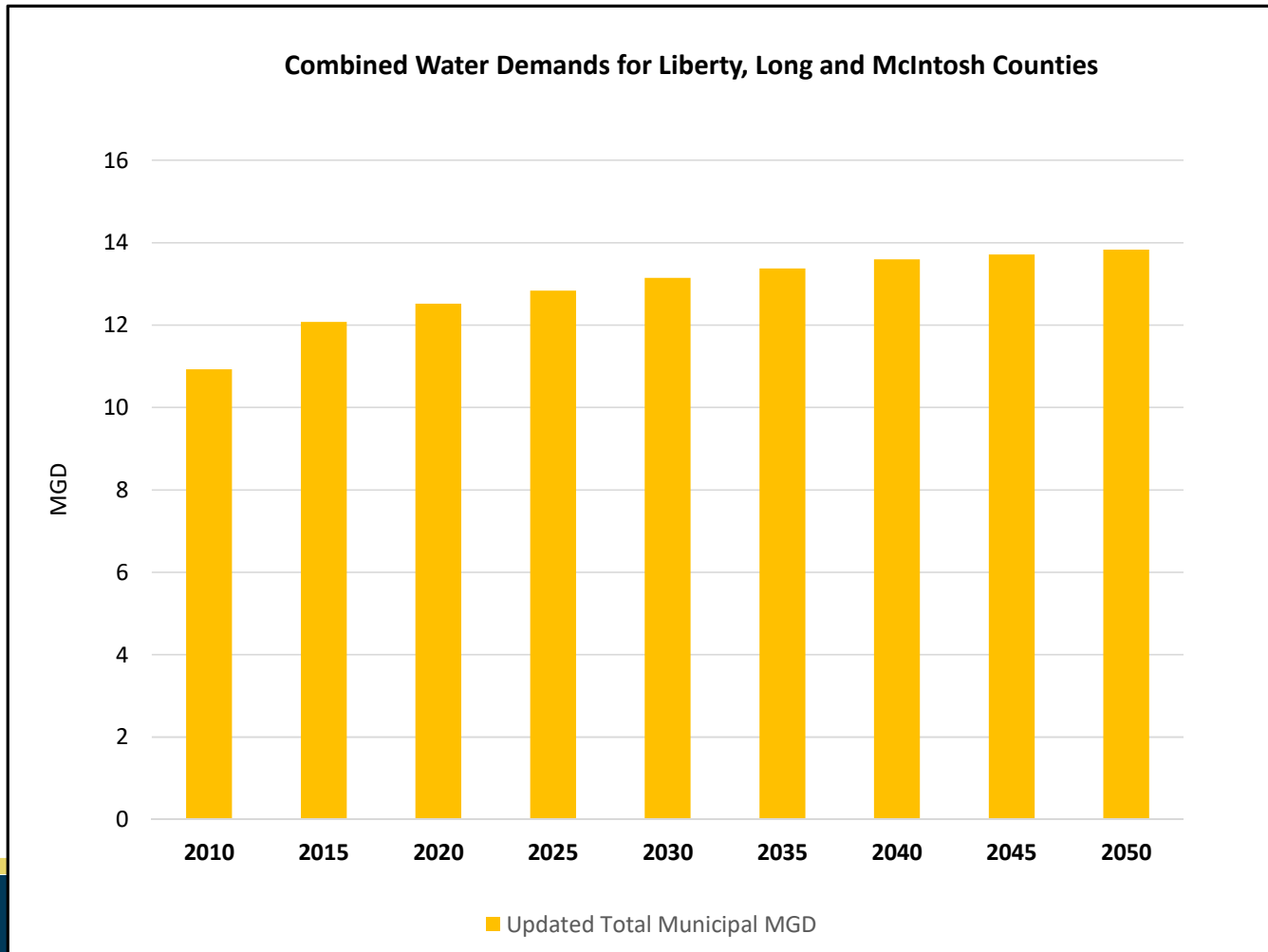
- Coastal Georgia groundwater usage comes largely from the Floridan aquifer
- Regionally, there is sufficient groundwater to meet current needs; however, pumping restrictions have been locally implemented in some areas in response to effects from salt water intrusion.



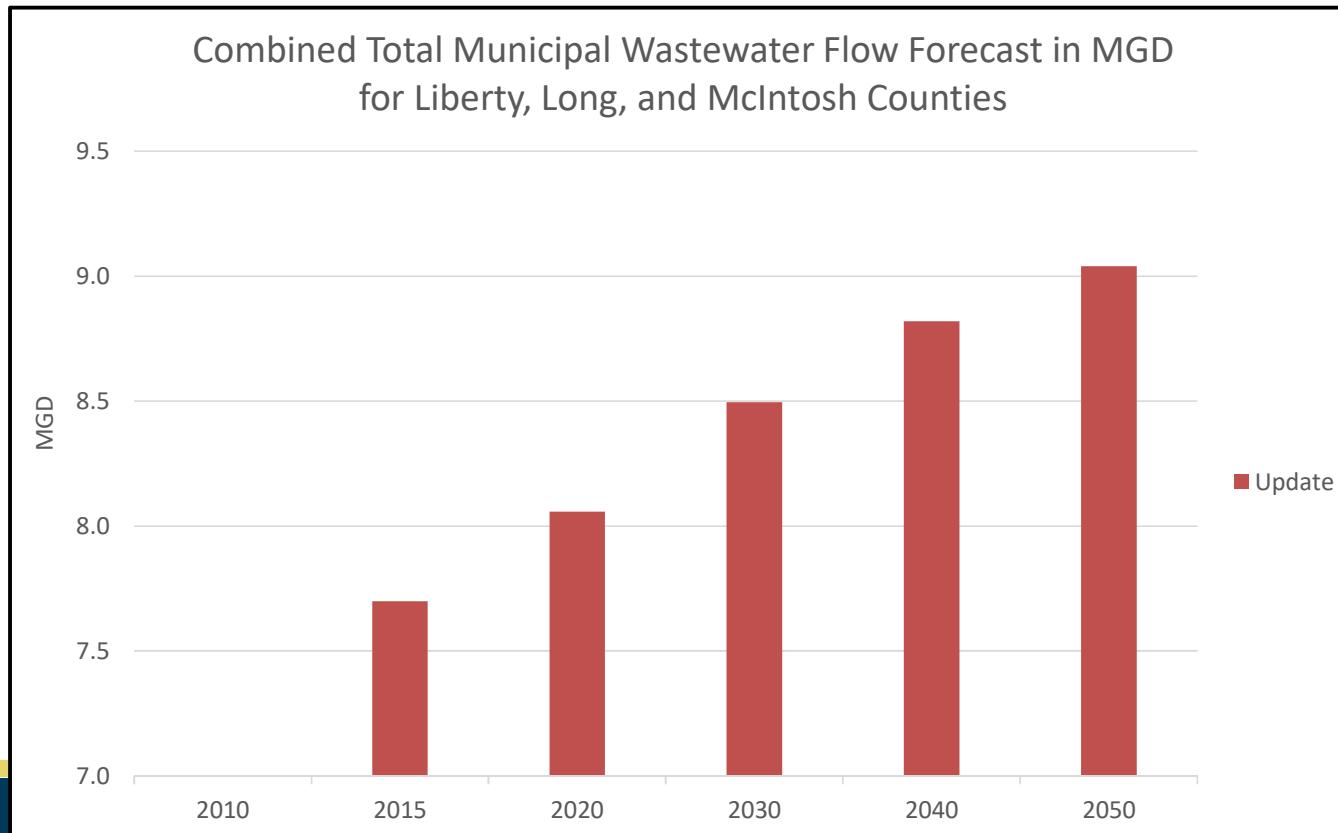
# Specifics for Liberty, Long and McIntosh Counties



# Water Demands Liberty, Long and McIntosh Counties



# Specifics for Liberty, Long and McIntosh Counties





# Coastal Georgia Region Management Practices

- The Coastal Georgia Plan describes over 80 management practices targeted toward current and future needs.
- Some representative practices include:
  - Water Conservation: adherence to Tier 1/Tier 2 conservation measures from the 2010 Water Conservation Implementation Plan
  - Water Supply: multi-jurisdictional groundwater development outside the saltwater intrusion areas
  - Water Quality: relocate discharges, upgrade treatment facilities
  - Information Needs: confirm agricultural consumptive use

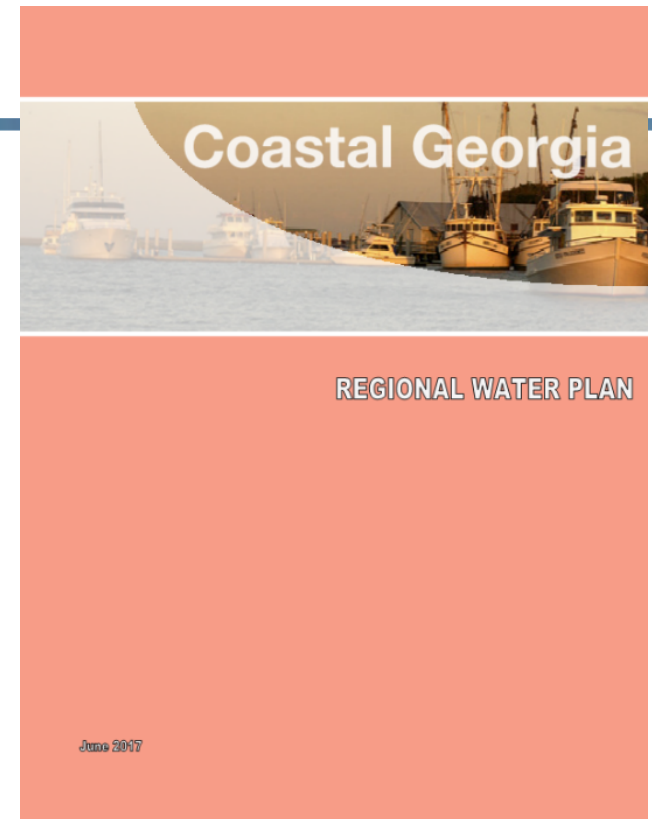
# Coastal Georgia Region Recommendations To The State

---

- Focus on education, incentives, collaboration, cooperation and enabling and supporting plan implementers
- Institutionalize and fund water planning with a focus on funding and assistance on areas with shortfalls.
- Continue monitoring to help conserve Georgia's natural, historic, and cultural resources.

# Coastal Georgia Region Water Plan Implementation

- Council working to raise awareness of Plan
- Council identifying and coordinating with partners to facilitate implementation
- State providing funds to support Council activities, technical work
- Seed grants available to support Plan implementation
- Next review and revision of Plan in 2021 through 2022



# Where to Find the Plan



[waterplanning.georgia.gov/documents/coastal-georgia-regional-water-plan](https://waterplanning.georgia.gov/documents/coastal-georgia-regional-water-plan)



## Potable Water Challenges:

Floridan Cone of Depression and Riceboro Well Case Study

[www.georgiawaterplanning.org](http://www.georgiawaterplanning.org)



## EPD Updates on Grant Opportunities

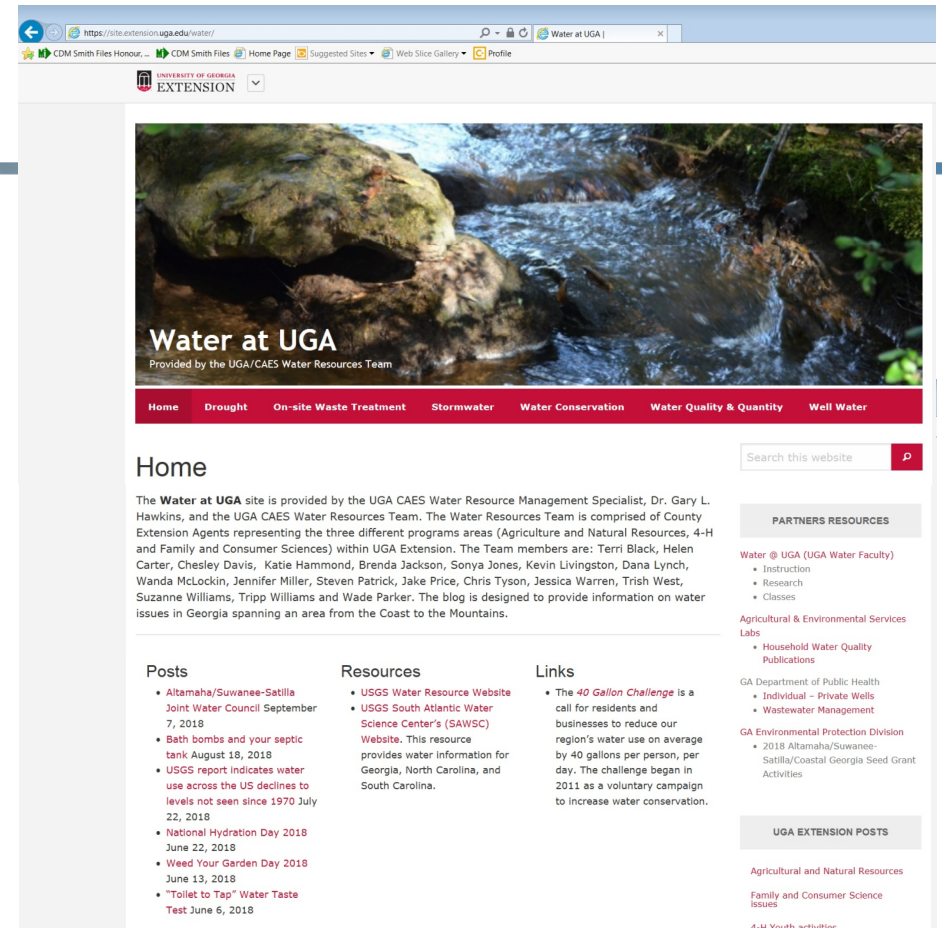
[www.georgiawaterplanning.org](http://www.georgiawaterplanning.org)

# Regional Water Plan Seed Grant Funds

Water Plan Region	Management Practice	Description	Area Addressed
Coastal Altamaha Suwannee-Satilla	NPS-2 Research and Address Impairment Issues	Monitor and determine sources of nutrient-pollutant loading. Develop management programs to mitigate impairments.	Urban
Coastal Altamaha Suwannee-Satilla	NPSA-1 Soil Erosion Reduction Measures	Encourage implementation of conservation tillage and cover crops to reduce soil erosion.	Agriculture
Altamaha Suwannee-Satilla	WC-12 Application Efficiency Technologies	Encourage and improve use of crop water management technologies and techniques.	Agriculture

# Additional Information

- Periodic updates for Seed Grant → Partner Resources Sidebar
- <https://site.extension.uga.edu/water/>
- Search using “wateratuga”
- Can subscribe for alerts of new postings



The screenshot shows the 'Water at UGA' website. The header includes the University of Georgia Extension logo and a navigation menu with the following items: Home, Drought, On-site Waste Treatment, Stormwater, Water Conservation, Water Quality & Quantity, and Well Water. The main content area features a large image of a stream with the text 'Water at UGA' and 'Provided by the UGA/CAES Water Resources Team'. Below this is a 'Home' section with a paragraph describing the site's purpose and a list of team members: Terri Black, Helen Carter, Chesley Davis, Katie Hammond, Brenda Jackson, Sonya Jones, Kevin Livingston, Dana Lynch, Wanda McLockin, Jennifer Miller, Steven Patrick, Jake Price, Chris Tyson, Jessica Warren, Trish West, Suzanne Williams, Tripp Williams, and Wade Parker. The page also has sections for 'Posts', 'Resources', and 'Links'. On the right side, there is a search bar and several sidebar sections: 'PARTNERS RESOURCES' (Water @ UGA (UGA Water Faculty) with sub-items: Instruction, Research, Classes), 'Agricultural & Environmental Services Labs' (Household Water Quality Publications), 'GA Department of Public Health' (Individual - Private Wells, Wastewater Management), 'GA Environmental Protection Division' (2018 Altamaha/Suwanee-Satilla/Coastal Georgia Seed Grant Activities), and 'UGA EXTENSION POSTS' (Agricultural and Natural Resources, Family and Consumer Science Issues, 4-H Youth activities).



# Public Comments / Q&A



# For More Information

---

- [waterplanning.georgia.gov/coastal-georgia-water-planning-region](http://waterplanning.georgia.gov/coastal-georgia-water-planning-region)
- [waterplanning.georgia.gov/documents/coastal-georgia-regional-water-plan](http://waterplanning.georgia.gov/documents/coastal-georgia-regional-water-plan)