

# Georgia EPD Updates

Johanna Smith, Georgia EPD



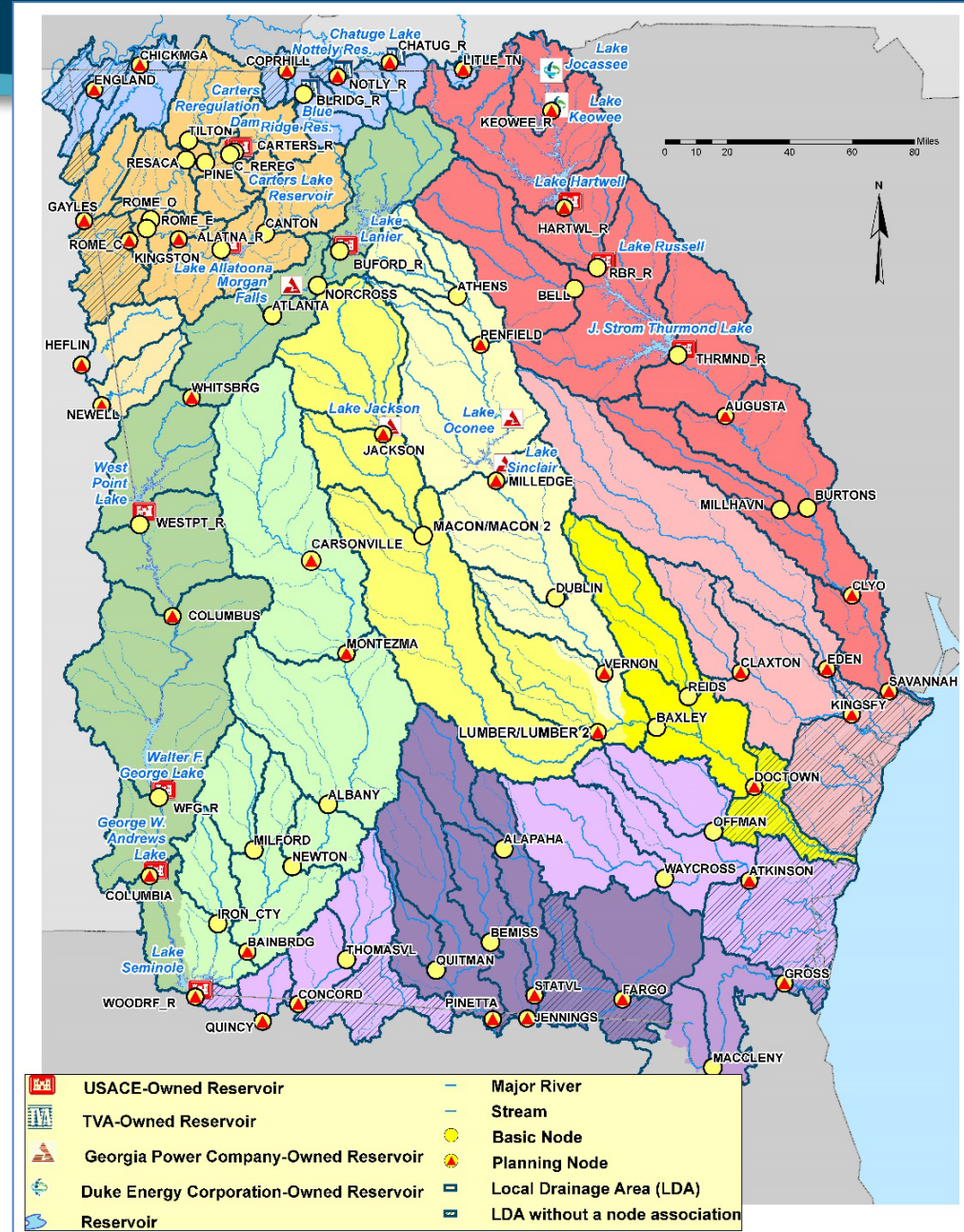
# Regional Water Planning

- Regional Water Plans reviewed and updated every 5 years
- Plan update process will begin in 2020, with Plans updated by June 2022
- Final schedule still being completed
- EPD working with contractors on developing updated information:
  - Forecasts of water demands
  - Resource Assessments



# Surface Water Availability

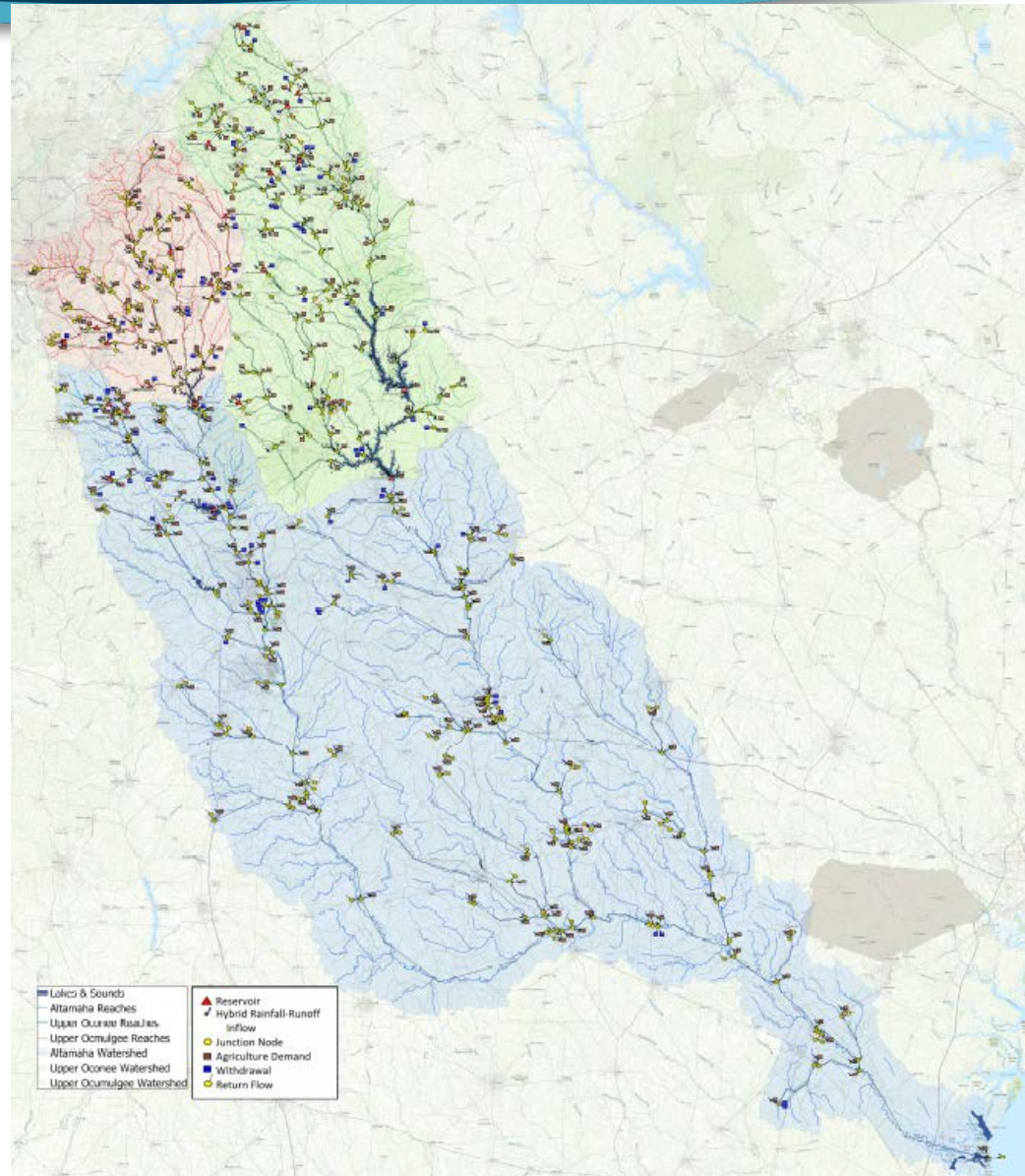
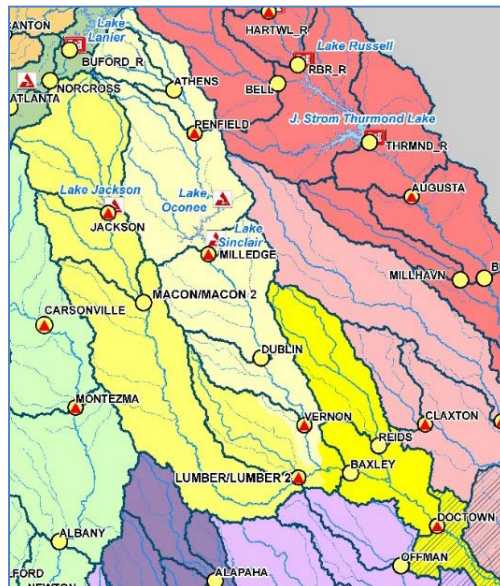
- Hydrologic modeling of major rivers
- Analysis at “planning nodes” (correspond to long-term river gages)
- Develop unimpaired (“natural”) flows
- Current and future demand modeling scenarios
- Compare modeled flows to low flow thresholds





# Surface Water Availability

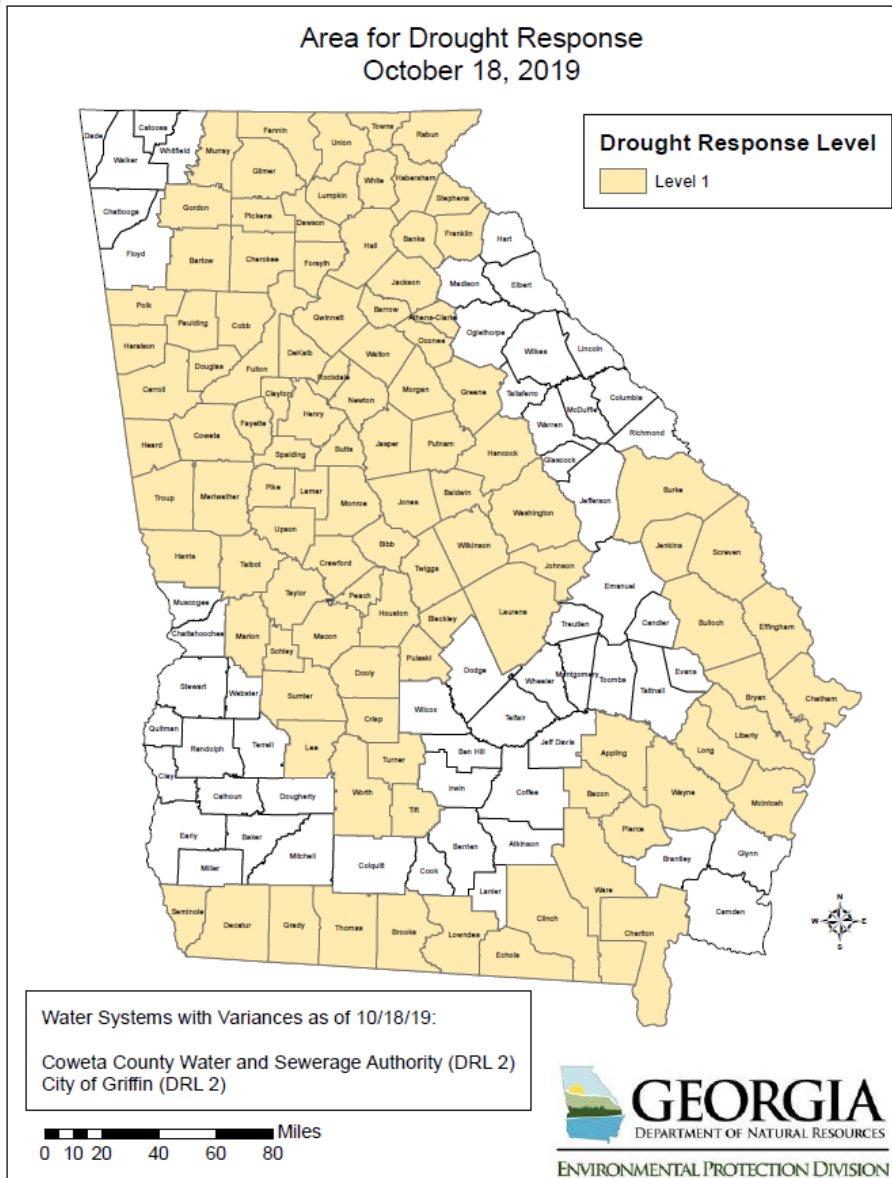
- Pilot project in Oconee, Ocmulgee and Altamaha basins
- Develop finer-scale hydrologic models (nodes at discharge and withdrawal points, at reservoirs and at flow gages)



# Florida v. Georgia

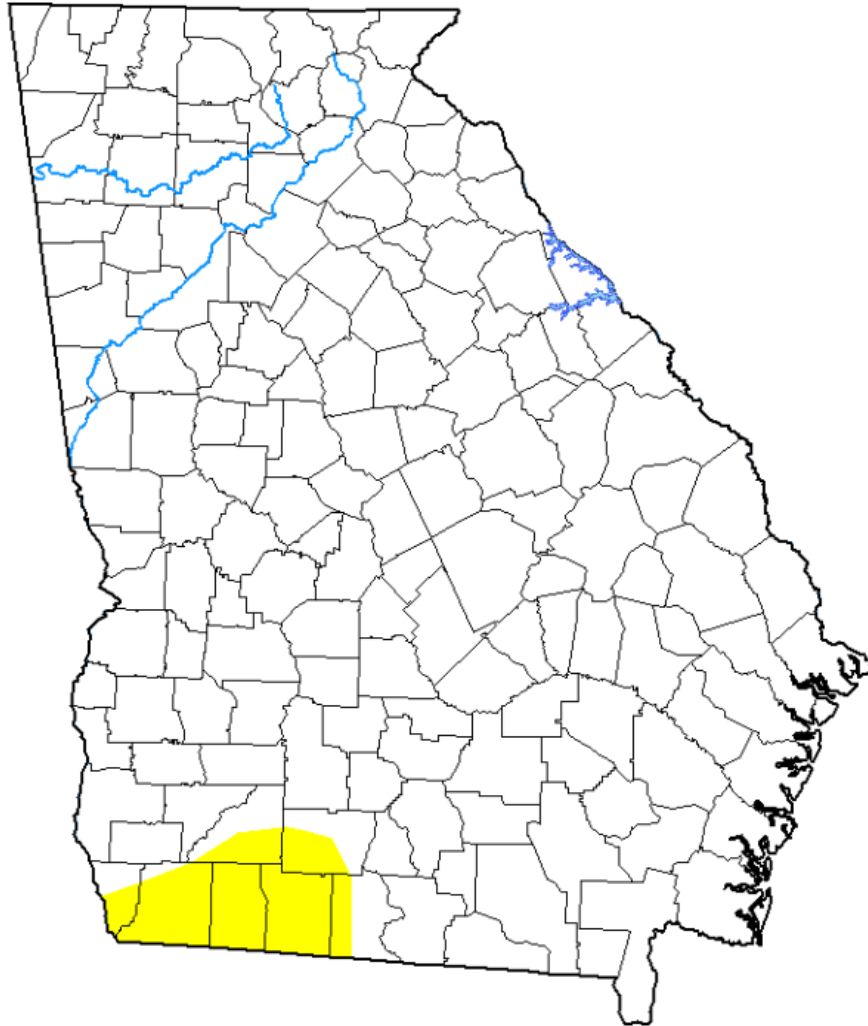
- Florida filed complaint with S. Ct. in Oct. 2013
- Special Master Lancaster appointed
  - Trial held Oct. 31 – Dec. 1, 2016
  - Special Master's Report on Feb. 14, 2017
- Supreme Court
  - Oral arguments on Jan. 8, 2018
  - Ruling (remand) on June 27, 2018
- Special Master Kelly appointed on Aug. 9, 2018
  - Oral arguments held on Nov. 7, 2019
  - Report issued on Dec. 11, 2019
  - <https://www.ca10.uscourts.gov/special-master-142>

# Drought Response Declaration



- Monitoring of climatic indicators
- Input from water supply providers/systems
- Drought Indicators Report
- Drought Response Level 1
  - Public water systems must conduct public information campaigns on water conservation
  - 10/18/19 declaration, lifted on 12/27/19
- Variances








# U.S. Drought Monitor



**Map released: Thurs. January 9, 2020**

**Data valid: January 7, 2020 at 7 a.m. EST**

## Intensity:

-  None
-  D0 (Abnormally Dry)
-  D1 (Moderate Drought)
-  D2 (Severe Drought)
-  D3 (Extreme Drought)
-  D4 (Exceptional Drought)
-  No Data



# Annual Water Audit Requirements

- **Georgia Rule 391-3-33 enacted to implement WSA**
- **Applies to:**
  - Systems serving >3,300 individuals
  - All permit renewals and modifications to increase permitted water withdrawal limits or number of service connections
- **Requirements Include:**
  - Conduct Annual Water Loss Audits (due March 1)
  - Development of Water Loss Control Program (as of July 2016)
  - Development of individual goals to set measures of water supply efficiency (defined by water system)
  - Demonstration of progress toward improving water supply efficiency



# Tracking Water Loss

- AWWA M36 Methodology
- Industry Best Practice since 2003
- All water is “Accounted For”
- Standard Definitions and Procedures
- Georgia Requirement began in 2011
  - Data from 2011 – 2018 on EPD website
  - Data used in EPD permitting processes

# Water Efficiency Reminders

- Annual Water Audits
  - 2019 Submission Deadline: March 1
  - More information here:  
<https://epd.georgia.gov/watershed-protection-branch/water-efficiency-and-water-loss-audits>
- Advanced Water Loss Control Workshop
  - March 26, 2020, 10:00 AM – 3:30 PM
  - GAWP HQ in Marietta, GA
  - <https://www.gawp.org/events/EventDetails.aspx?id=1301687&group=>

Johanna Smith  
Georgia Environmental Protection Division  
(404) 656-6937

[johanna.smith@dnr.ga.gov](mailto:johanna.smith@dnr.ga.gov)