

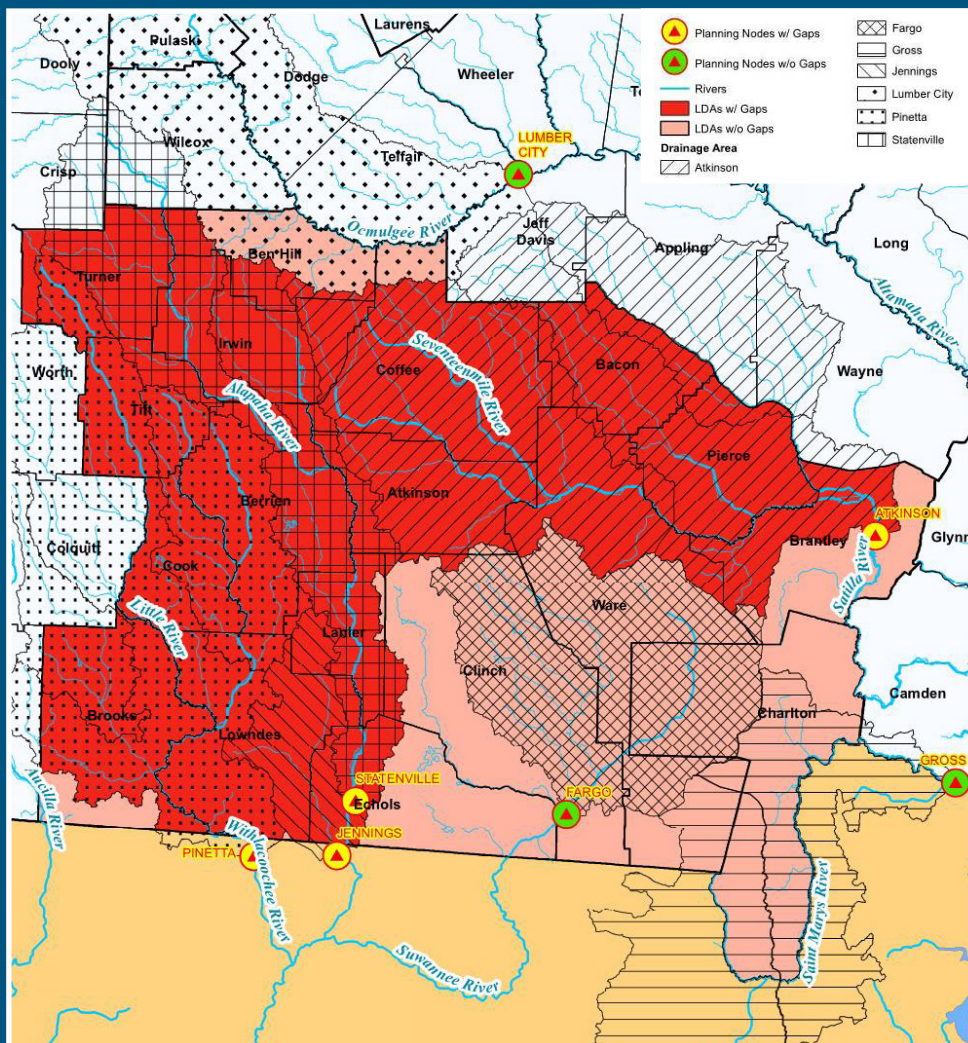
SUMMARY OF 2017 RESOURCE ASSESSMENT RESULTS

GROUNDWATER: At the regional level, for modeled aquifers, no groundwater resource shortfalls are expected to occur in the Suwannee-Satilla Region over the planning horizon.

SURFACE WATER QUALITY: Assimilative capacity assessments indicate the potential need for improved wastewater treatment within the Suwannee, Satilla and St. Marys river basins. Addressing non-point sources of pollution and existing water quality impairments will be a part of addressing the region's future needs.

SURFACE WATER AVAILABILITY: Over the next 35 years, the modeling analysis indicates that forecasted surface water demand within the Suwannee-Satilla Region is projected to cause stream flows in the Alapaha River (at the Jennings and Statenville planning nodes), Satilla River (at the Atkinson planning node) and Withlacoochee River (at the Pinetta planning node) to fall below targets for support of instream uses (resulting in "potential gaps"). A map of the node locations, their drainage areas, and a summary of the potential gaps are provided below.

POTENTIAL 2050 SURFACE WATER GAPS IN THE SUWANNEE-SATILLA REGION



SUMMARY OF MODELED 2050 POTENTIAL SURFACE WATER GAPS

Node	Duration of Gap (% of total days*)	Avg. Flow Deficit (MGD)	Long-term Avg. Flow (MGD)
Atkinson	5	13	1,445
Jennings	8	23	892
Pinetta	9	30	1,112
Statenville	12	21	684

*Model simulation period is 1939 - 2013

SUWANNEE-SATILLA MANAGEMENT PRACTICES

The Suwannee-Satilla Plan describes over 70 management practices targeted toward current and future needs. Actions for surface and groundwater are grouped and listed by the water use sectors that will implement them. The Plan also includes practices for resources shared with other regions. Representative practices are summarized here.

WATER CONSERVATION: The Suwannee-Satilla Council supports the 25 water conservation goals contained in the 2010 Water Conservation Implementation Plan (WCIP), including adherence to Tier 1/Tier 2 measures. Other recommendations include irrigation audits and metering of irrigation systems.

WATER SUPPLY: Provide incentives for dry-year releases from farm ponds, groundwater development, wetland restoration, and increases in wastewater returns. Study feasibility of seasonal surface water permit conditions.

WASTEWATER & WATER QUALITY: Increase permitted wastewater capacity; monitor nutrient pollution; upgrade or replace treatment facilities.

INFORMATION NEEDS: Acquire additional data/information on agricultural consumptive use to confirm or refine if it is less than 100% consumptive; Refine surface water agricultural forecasts & Resource Assessments to improve data on source of supply and timing/operation of farm ponds and dual source irrigation systems.

RECOMMENDATIONS TO STATE: Focus on education, incentives, collaboration, cooperation, and enabling and supporting plan implementers; institutionalize and fund water planning; focus funding and assistance on areas with shortfalls. Work with Georgia EPD's Agricultural Water Metering Program, as well as other partners to improve agricultural water use data collection and management.