



Upper Flint Water Quantity Committee Report CM10: April 14, 2011

UF Water Quantity Committee

- Cliff Arnett, Chair
- Michael Bowens
- Donald Chase
- Eddie Freeman
- Jack Holbrook
- Terrell Hudson
- Buddy Leger
- Dick Morrow
- Jim Reid
- Randy Starling
- Lamar Perlis
- Gene Brunson



Committee Meetings

- March 23rd: Meeting summary in pre-meeting packet (pages 28-33)
- April 12th: Meeting summary hand-out
- Discussed outstanding issues and finalizing draft plan
- Developed recommendations to Council for today's meeting

Shared Resources

- Committee reviewed references to resources shared with Suwannee-Satilla Council
 - Alapaha node in Suwannee
 - Refer to Alapaha: pages 3-5 and 5-2 and in Tables in Sections 6, 7, and 8
 - See pages 50 & 51 of pre-meeting packet for relevant pages from Suwannee-Satilla Council plan
- Committee approved presentation of shared resources information and recommends adoption (as presented in April 7th review draft)

New Groundwater Results

Table 3-1: Groundwater Results for Assessed Aquifers in Upper Flint Region – Current Conditions^a

Aquifer ^a	Estimated Current Groundwater Withdrawal (mgd) ^a	Sustainable Yield of Individual Aquifer (Min/Max, mgd) ^a
Claiborne Aquifer ^a	123-148 [¶] (190-229 cfs) ^a	140-635 [¶] (217-982 cfs) ^a
Cretaceous Aquifer ^a	213-246 [¶] (330-381 cfs) ^a	347-445 [¶] (537-689 cfs) ^a
South-Central Georgia Upper Floridan ^a	282-366 [¶] (436-566 cfs) ^a	622—836 [¶] (962-1293 cfs) ^a
Upper Floridan Aquifer in the Dougherty Plain ^a	450-587 [¶] (696-908 cfs) ^a	237—328 [¶] (367-507 cfs) ^a

Source: Georgia EPD, March 2010 Synopsis Report: Groundwater Availability Assessment and subsequent results updates provided by EPD[¶]

^aThe lower end of the range for withdrawals represents agricultural use in a moderate year, while the upper end represents agricultural water use in a dry year.



New Groundwater Results

- Recalibration of models increased sustainable yield ranges for Claiborne and Cretaceous
 - Tables 3-1 (current) and 5-1 (future)
- Committee asked for clarification of results in text
 - Section 3.1.1: Pages 3-5 to 3-7
 - Section 5.1: Pages 5-2 to 5-4
- Committee recommends adopting these revisions (as presented in April 7th review draft)

Section 4.4 (Page 4-4)

- Committee reviewed explanation of Thermoelectric Power Production Water Demand Forecasts
- Committee added final sentence of section:

The Upper Flint Council recommends that as a part of water withdrawal permitting decisions for new thermoelectric power production or any other ~~water-using~~ water-intensive industry, a thorough evaluation should be conducted to determine if an adequate and sustainable water supply is available to meet the demands of the new permittee.
- Committee recommends adoption of this revision (modified from April 7th review draft as noted above)

SF5 in Table 6-1 (page 6-6)

Change: “Addressing the surface water availability gap at Bainbridge may require the addition of storage...”

To: “Eliminating the surface water availability gap at Bainbridge will require the addition of storage”

- Committee recommends adopting this revision (as presented in April 7th review draft)

Other Revisions

- High priority management practices listed 1st in each section in Table 6-1
- After *Surface Water Availability* on page 5-6:
 - Change “Close the gap” to “Address the gap”
 - Added last sentence of same paragraph to note storage needs/recommendation
- Page 8-1, 1st paragraph, line 4: Changed “closing gaps” to “addressing gaps”
- Page 7-15, 7th bullet point: Deleted the last sentence, which read: “Furthermore, the Council recommends the analysis of alternative structural hydraulic measures such as temporary weirs, gates, and/or steps to control river stage and sediment transport and scour at or below Woodruff Dam in order to protect critical habitat.”
- Committee recommends adoption of these revisions (as presented in April 7th review draft)

Gap Language

- Clarify the presentation of “gaps” throughout the plan as “modeled gaps” and “gaps identified by the model”
- Committee recommends adoption of this revision (This is a modification to the April 7th review draft.)



Page 6-10

- Committee developed revisions to address how gap is presented and emphasize storage recommendation
 - Last paragraph on page 6-10: See meeting summary hand-out (modifies April 7th review draft)
 - Note 8 (In April 7th review draft)
- Committee recommends adoption of these revisions



Committee Recommends...

- Adoption of changes presented in this committee report

