

Location:

December 8, 2022

9:00 AM – 1:00 PM

EdVenture – Columbia, SC

Hybrid Meeting

Action Items:

- 1. RBC members should select an alternate from the same water use interest category if you have not already done so and inform the planning team.**

Meeting:

- Review of Meeting Objectives
- Approval of Agenda
- Public Comment Period
- November RBC Meeting Review
- Surface Water Modeling Topics
- Spartanburg Water Reservoir System Safe Yield and Summary of Surface Water Availability Results to Date
- Introduction to Water Management Strategies
- Water Management Strategies for the Broad River Basin
- Small Group Reports on Water Management Strategies
- Upcoming Meeting Schedule, Topics, and Review of Meeting

Meeting Summary (December 8th)

Ken Tuck, Broad River Basin Council (RBC) Chair, called to order the December 8th meeting of the Broad RBC at 9:05 AM. The eighth meeting of the Broad RBC was held in-person and virtually via the Zoom virtual meeting platform. Including the Broad RBC members and planning team, there were 34 people present at this RBC meeting in-person and online. Ken reviewed the meeting objectives and asked for motions to approve the agenda and minutes and summary documents from the previous meeting. The Broad RBC unanimously approved the RBC meeting agenda as well as the previous meeting minutes and summary. John Boyer held a public comment period with no comments received. An agency comment period was also held without any comments received. John Boyer reviewed the November RBC meeting.

The first major agenda item was from John Boyer who led discussion about Surface Water Modeling topics. Several important topics were discussed briefly with the Broad RBC members. The RBC reviewed the strategic nodes which were selected based on feedback from the RBC at

the previous RBC meeting in November. John presented simulated flows at select strategic nodes using unimpaired, current use, moderate demand, and high demand scenarios. Grace Houghton, CDM Smith, presented a brief review of two studies: *1988 Instream Flow Study* and *2009 SCDNR Instream Flow Policy* and reviewed the minimum instream flows (MIF) in South Carolina's surface water regulations. John then continued presenting modeling results which demonstrated the results of MIF and 5th percentile flows under the various planning scenarios. Eric Krueger then briefly discussed the strategic nodes for Flow-Ecology evaluation discussed at the previous meeting.

The next agenda item was a presentation from John Boyer which summarized the results of the Spartanburg Water system safe yield and surface water results to date. CDM Smith presented three safe yield calculations to the Broad RBC which included: safe yield scenario one for the entire Spartanburg Water system reservoirs (Lake Bowen, Spartanburg Municipal Reservoir #1, and Lake Blalock), safe yield scenario two which focused on Lake Bowen and Municipal Reservoir #1, and safe yield scenario 3 for Lake Blalock. John then reviewed modeled surface water shortages under the High Demand scenario (2070) and average annual demands by scenario for different water use sectors.

John Boyer then presented an introduction to water management strategies to help frame the approach to selecting water management strategies for the Broad RBC. The Broad RBC will develop a portfolio of water management practices for the Broad River Basin Plan using supply side and demand side strategies. John reviewed examples of demand side strategies for municipal, agriculture/irrigation, industrial, and thermoelectric users. John then reviewed supply side strategies for consideration which included new or increased storage, water reclamation, conjunctive use, and conveyance with corresponding examples. John reviewed several examples of water conservation strategies and water efficiency and water loss programs. Jeff Lineberger, Broad RBC member, reviewed the Catawba-Wateree Water Management Group's (CWWMG) approach to planning including the CWWMG's water loss program analysis for members. John then provided some examples from the Edisto River Basin planning process of existing water management strategies and the Edisto proposed low-flow management strategy.

The Broad RBC was divided into breakout discussion groups for the remainder of the meeting. The breakout discussion was intended to generate ideas by RBC members to develop Broad-specific water management strategies. The breakout groups were tasked with discussing four topics: identifying existing water management strategies in the Broad River Basin, effectiveness of existing strategies, whether existing strategies can be expanded or improved upon, and Broad-specific strategies to reduce or eliminate projected shortages, increase available supply, minimize low flows, and help improve the flow regime for aquatic organisms and recreation

and which strategies should the RBC evaluate using the surface water model. The Broad RBC reported out of breakout discussions facilitated by CDM Smith which will be distilled down and presented at the next Broad RBC meeting.

The meeting concluded with a review of the meeting schedule and topics for future meetings. The next meeting is scheduled for January 12th and will be held at Harbison State Forest.

The meeting concluded at 12:56 PM.

Summary: Tom Walker

Approved: 1/12/23