Location:
September 8, 2022
9:00 AM – 12:00 PM
Spartanburg CC – Tyger River Campus
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
- Aquatic Resources of the Broad Basin
- Groundwater Resources of the Broad Basin
- Surface Water Modeling Approach and Planning Scenarios
- Introduction to the Broad Basin Surface Water Quantity Model
- Review Feedback on Draft Broad Basin Demand Projections
- Upcoming Meeting Schedule, Topics, and October Field Trip

Meeting Summary (September 8th)

Ken Tuck, Broad River Basin Council (RBC) Chair, called to order the September 8th meeting of the Broad RBC at 9:00 AM. The sixth 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 43 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.

The first major agenda item was a presentation by Jason Bettinger, SCDNR, entitled: *Aquatic Resources of the Broad Basin*. The presentation focused primarily on inventories of fish and mussels in the Broad basin. Highlights included boat electrofishing results, largemouth bass health assessment information, mussel inventory, wadeable stream survey results, robust

redhorse and American shad restoration work, recreational fisheries information, and SCDNR instream flow policy.

Next, Joe Gellici, SCDNR, presented *Groundwater Resources of the Broad Basin* which detailed groundwater use in the Broad basin. Groundwater availability and use in the Broad basin are limited with significantly more surface water available for use. Highlights include groundwater uses, groundwater permits, a review of the hydrogeologic framework in the Piedmont, types of wells in the Piedmont, well depth and yields in the basin and Piedmont, and a summary of groundwater availability in the Broad basin.

The next presentation came from Scott Harder, SCDNR, *Methodologies for Evaluating Water Availability*. The specifics regarding the methods used to evaluate water availability is described in the Planning Framework and were derived, in part, from methods used in Texas. Scott covered surface water availability terminology, an example of current surface water-demand scenario simulated flow, physically available surface water supply, surface water conditions, the impact of increased demand on available surface water supply, surface water conditions and potential shortages, reaches of interest, reservoir safe yield, methods for evaluating surface water availability, performance measures, and strategic nodes. Next, Scott presented briefly on *Surface Water Demand Scenarios* which reviewed the four scenarios that must be reviewed by each RBC. The four scenarios are current surface water use, permitted and registered water use scenario, moderate water-demand projection scenario, and high water-demand projection scenario. Scenarios focus on the water demand side of the equation and not water supply.

John Boyer and Tim Cox, CDM Smith, presented *Overview of the Broad Basin Surface Water Quantity Model* introducing the Simplified Water Allocation Model (SWAM) to the RBC members. SWAM calculates physically and legally available water, diversions, storage, consumption, and return flows at user-defined nodes. Highlights included model overview, what the model will be used for in the planning process, main stem and major branches, primary tributaries, various withdrawals, discharges, and returns, a review of the SWAM framework, 2021 model updates, limitations of the model, areas of uncertainty, scenarios and performance measures, potential strategic node locations, and reaches of interest.

The meeting concluded with a brief recap of preliminary feedback received by Alex Pellett, SCDNR, regarding the Water Demand projections that were recently distributed in the Broad basin to water users. John Boyer reviewed the meeting schedule and topics for future meetings. Additionally, Ken Tuck led discussion regarding the upcoming Broad RBC field trip in October. The next meeting is scheduled for November 10 with the second Broad RBC field trip scheduled for October 13.

The meeting concluded at 12:07 PM.

Summary: Tom Walker

Approved: 11/10/2022