

Edisto River Basin Council

Meeting #20 (Hybrid)

February 16th, 2022

Meeting Agenda

Meeting Objectives:

- 1) Learn how different land use types may affect the Edisto basin water budget
- 2) Review groundwater model results for the current use and fully permitted and registered scenarios
- 3) Learn more about the surface water shortages that occur in all planning scenarios for certain agricultural water users on tributaries to the North and South Fork Edisto River
- 4) Discuss surface water conditions and management strategies

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| 1. Call the Meeting to Order (Hank Stallworth, RBC Chair) | 9:00–9:10 |
| a. Review of Meeting Objectives | |
| b. Approval of Agenda | |
| c. Approval of January 19 th , 2022 Minutes and Summary | |
| 2. Public Comment (John Boyer) | 9:10–9:15 |
| a. Public Comment Period ¹ | |
| 3. Old Business / New Business – RBC Open Discussion Opportunity
(Hank Stallworth and John Boyer, CDM Smith) | 9:15–9:25 |
| 4. Land Use Implications to Evapotranspiration and Water Budgets
(Devendra Amatya, PhD., P.E., US Forest Service) | 9:25–9:50 |
| 5. Update on Edisto River Basin Plan – Section 1 Introduction (John Boyer) | 9:50–10:00 |
| 6. Groundwater Modeling Results for Current Use and Fully Registered and Permitted Scenarios (Greg Cherry and Matthew Petkewich, USGS) | 10:00–11:00 |
| Break | 11:00–11:15 |
| 7. Evaluation of Modeled Agricultural Surface Water User Shortages and Storage as a Water Management Strategy (John Boyer) | 11:15–11:45 |
| 8. Review and Discussion of Surface Water Conditions and Management Strategies (working lunch) | 11:45–12:45 |
| 9. Upcoming RBC Agenda and Schedule (John Boyer) | 12:45–12:55 |
| 10. Meeting Conclusion (Hank Stallworth, RBC Chair) | 12:55–1:00 |

Update on Edisto River Basin Plan Section 1



Edisto River Basin Plan

Tentative Schedule for Chapters 1 through 5

<u>Month</u>	<u>Draft Chapter Ready for Initial Review</u>
Late Jan/Earl Feb	Ch. 1 – Introduction
Late Feb/Early March	Ch. 2 - Description of the Basin
Late March	Ch. 3 - Water Resources of the Basin
April/May	Ch. 4 - Current and Projected Water Demand Ch. 5 - Comparison of Water Resource Availability and Demand

Edisto River Basin Plan

- **Section 1** – Subcommittee and Agency Review Feb 14 - 18
- Release for RBC review the week of Feb 21

Section 1 Introduction

1.1 Background

The South Carolina Water Resources Planning and Coordination Act mandates that the South Carolina Department of Natural Resources (SCDNR) develop a comprehensive water resources policy for the state of South Carolina. SCDNR developed the first state water plan—the *South Carolina Water Plan*—in 1998. In 2004, the plan was updated following what is recognized as one of the worst multi-year droughts on record, which ended in 2002. One of the recommendations from the *South Carolina Water Plan, Second Addition* was forming advisory committees to develop comprehensive water resource plans for the eight major river basins in the state.

Figure 1-1. Planning Basins of South Carolina.

water resources since water in each basin is relatively varies. Each River Basin Plan will include data, force development in the basin for a planning horizon or questions:

supply and demand?
 and water uses within the basin?
 throughout the planning horizon and will the at demand?
 employed in the basin to ensure the available d throughout the planning horizon?

Figure 1-2. Edisto RBC Mission Statement, Vision Statement, and Goals

During Phase 1 of the planning process, the Edisto RBC developed a mission statement identifying the RBC's purpose, a vision statement establishing the desired outcome of the planning process, and actionable goals supporting that vision for the Edisto basin. The mission statement, vision statement, and goals are listed in Table 1-2. The first goal provides specifics on the purpose of the plan. The RBC stressed the importance of using best available science and considering the input of all stakeholders in executing these goals.

Mission Statement	
To develop, update, and support implementation of a River Basin Plan for sustainable management of water resources in the basin.	Vision Statement
A resilient and sustainable managed Edisto River basin where stakeholder and ecosystem needs are recognized, balanced, and protected.	Goals
Develop water-use strategies, policies, and qualitative recommendations for the Edisto River Basin to ensure water resources are managed to support current and future human and ecosystem needs, forward and protected.	
1a. Improve the resiliency of the water resources and help maintain diversification within the basin.	
1b. Increase development in areas with adequate water resources.	
1c. Increase development in areas with adequate water resources.	

Figure 1-3. RBC members canoeing the South Fork Edisto River, July 2021.

Figure 1-4. Capacity Use Areas.