

South Carolina Surface Water Quantity Models Monthly Summary

Invoice Date: December 19, 2016
For Services Between: November 3, 2016 and December 16, 2016
Invoice No.: 27

Summary of Work Completed During Invoice Period

Project Management and Related Tasks

- Continued internal project coordination and management tasks, including:
 - Weekly project team meetings
 - Monthly project meeting by teleconference

Data Collection

- Data collection is complete.

Data Analysis and Modeling

Saluda

- No work was performed. Remaining work includes finalizing the model report and submitting the final baseline model.

Edisto

- No work was performed. Remaining work includes finalizing the model report and submitting the final baseline model.

Broad

- No work was performed. Remaining work includes finalizing the model report and submitting the final baseline model.

Pee Dee

- The baseline model was substantially completed.

Catawba-Wateree

- The baseline model was substantially completed.

Santee

- The calibration model and draft report were submitted to DNR and DHEC for review.

Savannah

- Development of the draft UIFs was completed for the tributaries and the UIF Memo was substantially completed.
- Work on the calibration model continued.

Salkehatchie

- No work was performed. Remaining work includes finalizing the model report and submitting the final baseline model.

Stakeholder Involvement

- The second stakeholder meeting in the Santee Basin was held on Nov. 30th at the Santee Cooper Training Center in Pinopolis.

Summary of Upcoming Work

Over the final two months, the project team will:

- Finish development of the Savannah Basin calibration model.
- Hold the 2nd Savannah stakeholder meeting.
- Finalize and submit the outstanding, final modeling reports and baseline models.

Issues Impacting Scope, Schedule, or Project Cost

The project has been extended to the end of February 2017 to allow time to finish the Savannah model and hold the second stakeholder meeting after the 2016 holidays. An updated schedule is attached.

During the project kickoff meeting, and based on DNR and DHEC review of the draft Modeling Plan, several potential out-of-scope model enhancements were identified. These include:

- A “Current Situation Analysis” for quasi-real time operational support. This functionality would provide a probabilistic analysis of current conditions at any future point in time and how conditions are likely to change within 6 or 12 months based on projected use and management patterns.
- The ability to use near-term hydrologic flow forecasts (for example, 60-day streamflow forecasts from NOAA) for month-to-month operational planning.
- Use of HEC DSSVue and DSS files for results display and analysis.

CDM Smith has presented a scope for implementing these enhancements to DNR and DHEC. The decision on whether to implement one or more of these enhancements will likely be made once all models are completed.

Basin and Milestone	2016				2017												
	Nov		Dec		Jan		Feb										
	7-Nov	14-Nov	21-Nov	28-Nov	5-Dec	12-Dec	19-Dec	26-Dec	2-Jan	9-Jan	16-Jan	23-Jan	30-Jan	6-Feb	13-Feb	20-Feb	27-Feb
Santee																	
Model Framework																	
1st Meeting																	
UIF Dataset			F														
Calibrated Model		D									F						
2nd Meeting & Training			2				T										
Savannah																	
Model Framework																	
1st Meeting																	
UIF Dataset							D					F					
Calibrated Model									D							F	
2nd Meeting & Training								T			2						

2016-17 Proposed Stakeholder Meeting Schedule

Basin	1st Meeting Week of:	2nd Meeting Week of:
Saluda	completed	completed
Edisto	completed	completed
Broad	completed	completed
Pee Dee	completed	completed
Catawba-Water.	completed	completed
Santee	completed	completed
Savannah	completed	16-Jan-17
Salkehatchie	completed	completed

- 1 = First Meeting
- 2 = 2nd Meeting
- D = Draft Completion Date
- F = Final Completion Date
- T = Training