



Surface Water Quantity Models Progress Meeting Notes

October 7, 2015 – Teleconference

Attendees: **CDM Smith:** John Boyer, Tim Cox, Kirk Westphal, Nina Caraway
SCDNR: Joe Gellici, Andy Wachob, Scott Harder, Alex Pellet, Bill Clendenin
Technical Advisory Committee: Eddie Twilley, Ed Bruce, K.C. Price, Harrison Watson, Heather Nix, Andy Fairey, Ruth Albright

1. Saluda Basin

- a. Comments/Discussion on Draft Report and Calibration Model
 - Tim Cox provided an update on some minor adjustments that were made to the calibration model. Scott Harder indicated that DNR is finishing their review and preparing a list of comments and questions. The most important comments included:
 1. Should a shorter period be used for calibration, especially downstream of Lake Greenwood and Murray, where changing reservoir operations make calibration difficult?
 2. DNR is interested in the drought periods, and their drawdowns on the lake. It is difficult to tell if the model is representing the potential drought-related lake drawdowns.
 3. The guide curves need to be examined for Lake Greenwood and Lake Murray. Both lake had changes in the guide curves over the 30-year calibration period.
 - Ed Bruce asked whether any further discussion had occurred regarding pre-loading of minimum flows. Scott Harder suggested that it would be DNR's preference that minimum flows not be pre-loaded. Heather Nix suggested that the model should have flexibility with regard to evaluating minimum flows at various locations in the basin.

- b. Update on Application (Cloud) Hosting
 - John Boyer provided an update on testing of the SWAM model on a hosted server. A one-month pilot is being conducted with ICG Global Hosting. CDM Smith conducted some limited testing to confirm the model's ability to operate in the cloud, save files to a user-specific folder, and perform other basic functions.

2. Draft Catawba Basin Framework

- CDM Smith provided a draft Catawba Basin Framework memorandum for DNR/DHEC on October 2 and TAC review on October 7th. Comments were requested by October 20th, if possible.

3. Draft Edisto Basin UIF Dataset

- CDM Smith completed the draft Edisto Basin UIF dataset and provided to DNR and DHEC for review on October 2 and TAC review on October 7th.

4. Rescheduled Stakeholder Meeting

- a. Option 1: Week of Nov 2 for Saluda #2, Pee Dee #1 and potentially Catawba #1
- b. Option 2: Week of Nov 2 for Pee Dee #1 and Catawba #1
Week of Dec 6 for Saluda #2 and Edisto #2
- c. Other options
- Due to the flooding in South Carolina, the planned stakeholder meetings in the Saluda and Pee Dee were cancelled. No discussion was held regarding make-up dates.

5. Upcoming Deliverables

- a. Draft Edisto Calibration Model & Report Oct 30 (pending Edisto UIF Comments)
- b. Draft Broad UIF Dataset, mid/late Nov
- c. Draft Pee Dee UIF Dataset, early/mid Dec
- John Boyer also noted that CDM Smith was working on the UIF Methodology memorandum for the Broad Basin. It would include recommendations for reference gage selection and combining gages which were located in close proximity and had complementary periods of record.