

Below are the main points/action items I noted from the July 2, 2013 Model Work Session:

Upcoming Model Work Session Schedule

- Weekly meetings until further notice. Next meeting July 9, 2013 10 a.m. @ DEQ.

Decision Points

- No decision points made during meeting.

Upcoming Items

- Clifton Bell will participate in the July 9 Model Work Session. Clifton is the Technical Leader for Watersheds and TMDLs with Brown and Caldwell and the co-PI of the WERF project on the use of models to site-specific water quality goals
 - A. The link to the March 28, 2013 WERF Webinar is: <http://reports.werf.org/03-28-2013-Research-on-Modeling-Approaches-WERF-WEF.wmv>
 - B. The Link to Clifton Bell's bio is: http://www.werf.org/c/WebSeminars/Speakers_Nutrients_8-15-12.aspx
- DEQ continues to work on contract to fund Jonathan Clough and Dick Park for approximately 60 total hours to consult on the AQUATOX modeling effort.

Action Item Updates

- Troy
 - A. DEQ entering/formatting data to gather riffle/run/pool, substrate, water depth, periphyton data, etc. that was collected on 6/20 and 6/21 to help with model set-up and calibration. Data should be entered, formatted, and distributed, soon.
 - We will also look at the Mullins report to see if riffle/run/pool data are applicable to this model set-up and calibration.
 - B. Continuing to update the "LBR_Atx_2012Updating_Outstandingitems_070213" document and post to the ftp site. This document has a number of action items that need to be completed for the model calibration. The attached/updated version is:
 - "LBR_Atx_2013Updating_Outstandingitems_070213"
- Michael
 - A. Continue updating input files and will repost on the ftp site when ready.
 - B. Tom reported that Michael is working on a 5-10-15 mile mass balance analysis that should be available to the modeling group soon.
- Darcy
 - A. Continuing to work on the morphometry and velocity components of the model.
- Jack (although he was unable to attend the meeting, his items from the 6/11 meeting were kept on the agenda so that they could be fully addressed) – These items will be placed aside pending the results and use of the LBR data collected on 6/20 and 6/21.
 - A. ~~Frame/outline 3 questions related to the interpretation of pebble count and periphyton data, model results, and targets (roughly paraphrased below):~~
 1. ~~How to best characterize riffles/runs/pools on the LBR for use in the model?~~

- ~~Some methods discussed by the group included algorithm review, sensitivity analyses, field documentation, remote sensing, etc.~~
 - 2. ~~How to apply the USGS periphyton data collection to riffles vs. runs in the model and interpret results?~~
 - ~~Alex's and Dick's professional opinions were interpreted as believing periphyton growth would likely be similar in riffles and runs, given the appropriate substrate. However, it was also identified that other factors could come into play such as turbidity, water velocity, water depth, etc.~~
 - 3. ~~Ensuring that the target and data transformation procedures are clear, aligned, and appropriate.~~
 - ~~It was suggested to deal with questions 1 and 2 first, which may help formulate how question 3 is addressed.~~
- All
 - A. See the attached "LBR Atx 2013Updating Outstandingitems 070213." This document has essentially become the "to-do" list for the model set-up and calibration. Please identify if you have been tasked with an item or if there are items you can help to complete. If so, please let me know so that we can appropriately update and repost to the ftp site.

As always, please let me know what I missed or misinterpreted and thanks for your participation today! Cheers,
-Troy

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