

Below are the main points/action items I noted from the July 9, 2013 Model Work Session:

#### Upcoming Model Work Session Schedule

- Next weekly meeting July 16, 2013 10 a.m. @ DEQ.
- No meeting on July 30 – this is the LBR 319 Tour

#### Decision Points

- No decision points made during meeting.

#### Upcoming Items

- 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

- Clifton Bell participated in the July 9 Model Work Session. Clifton discussed the WERF project on the use of models to site-specific water quality goals and presented case study of the Cahaba River, AL.
- All
  - A. Please identify if you have been tasked with an item or if there are items you can help to complete on the "LBR Atx 2013Updating Outstandingitems 070913." This is the "to-do" list for the model set-up and calibration.
- Troy
  - A. Will send out KML files with GIS coordinates and corresponding photos documenting the LBR data collection float on 6/20 and 6/21. Will begin distributing riffle/run/pool, substrate, water depth, periphyton data, etc. once the question of segment breaks has been clarified.
    - 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 post the "LBR\_At\_x\_2012Updating\_Outstandingitems\_070913" document.
  - C. Will work with Alex to ensure appropriate documentation is on the ftp site.
- Michael
  - A. Continue updating input files and will repost on the ftp site when ready.
- Darcy
  - A. Continuing to work on the morphometry and looking more closely at the velocity components of the model.
- Kate
  - A. Will send Darcy USGS and Idaho Power (?) velocity information.
- Tom
  - A. Will bring in notes relating to the modeling/target development on the Yellowstone River

- 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.~~

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

-Troy

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