Hi Everyone,

Below are the main points/action items I noted from the April 16 Model Work Session:

Next Model Work Session
- Tuesday, April 23
  10 am – noon
  DEQ State Office, Conference Room D

  Go To Meeting: https://global.gotomeeting.com/join/351196413
  Meeting ID: 351-196-413
  Conference call: 1-208-373-0101 and choose Port 4

Decision Points
- Initial AQUATOX setup and calibration
  1. The group will proceed with the initial setup and calibration of AQUATOX as a 9-segment linked model.
     - Attached is Alex's synoptic data for August, October, and March, on which I highlighted the 9-segments, which we can be refine as appropriate.
  2. It was discussed and understood that other potential approaches, including a single-segment approach and sensitivity analyses, for example, may need to be implemented if we are having trouble with the 9-segment linked model.
  3. As decided in the previous meetings the initial time period will be January 1, 2012 to April 30, 2013
  4. For increased model simplicity and defensibility, animals (grazers) will not be included in the model simulations.
  5. For now, the existing periphyton categories will not be lumped or altered (however, the group will be taking a closer look to see if reducing the number of categories is appropriate for the LBR, specifically).
  6. Initial conditions should represent existing conditions to the extent possible/practicable. It was also discussed that because the model run includes more than a year, the first few months of 2012 (e.g. Jan – April), which will be subsequently modeled again for 2013, may need to be evaluated as an "initial spin-up period," depending on the model performance.

Action Items
- All
  1. ftp – Alex is on vacation for the week and will not be managing the ftp site. As a result, for this week, please share materials with the group via email, but don't place them on the ftp site or email them to Alex. Instead, Troy will hold onto ftp-destined materials until Alex is back and then have them posted all together.
  2. Flow Data – look at flow data and speak with experts to help identify any LBR flow anomalies that may have occurred in the Jan 1, 2012 – April 30, 2013 time frame.
  3. Periphyton – look at periphyton data and speak with experts to help identify any appropriate changes to the AQUATOX periphyton categories, specific to the LBR.
  4. Evaluate how/what initial conditions should be for initial 9-segment model setup.

- Ben
    1. Provide the group with questions regarding periphyton data.

- Robbin
    1. Send out link for the WERF webinar.

- Tom and Michael
    1. Begin to coordinate with Kate and her staff regarding the flow and water quality data compilation needed to run the model flow balance.

- Troy
    1. Develop and share a Decision Log (attached) to help track and document the group's decision points and rationales, beginning with the decision to use AQUATOX.
        - Please provide input with information additions/corrections, etc.
    2. Coordinate with Alex and Dorene to see if they can participate in the one of the next couple of meetings to help shed light on the pebble count and periphyton data.
    3. By the next meeting I should have a 24" x 36" aerial map with all of Alex's points and a stream layer.

Please let me know what I missed or misinterpreted. Thanks again for your participation today (and in between sessions)! Cheers,
-Troy

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