

Hinkson Creek CAM Science Team
Notes of the July 25, 2012 Meeting

Team Members Present: Bob Angelo, Paul Blanchard, Joe Engeln, John Holmes, Jason Hubbard, Dave Michaelson, Dan Obrecht, Barry Poulton

1. The groups approved Dave, Jason and Joe to speak for the team at next week's Stakeholder Committee meeting. We discussed additions and explanations to be used during the discussion of the conceptual model and Joe promised to make some additions to the presentation.
2. John Holmes started to collect ideas related to the potential projects on a spreadsheet. These are our informal notes rather than a strict ranking or rating system of any kind. We tried to consider some of the parameters that would be used to determine priorities for and suitability of actions in the watershed. John will send these out to the team.
3. We approved of the concept of redoing the community survey keeping most of the questions the same as in the previous version to provide a direct comparison to previous results. As stated in the previous meeting, the questions related to MDC will likely be removed with some additional questions possible.
4. We approved the proposed habitat assessment with additional discussion of assessment design and protocols based on team members experience with those protocols.
5. The trash collector on Flat Branch Creek was endorsed with no scientific monitoring requirements.
6. We request copies (electronic or physical) of the MU Stormwater Management Plan once completed. We expect to engage with the university on implementation of these plans going forward. Many of the other MU projects proposed appear to be demonstration projects. We need to know more about them in order to incorporate them into our conceptual model. We need to understand better the work of Civil Engineering researchers and need to know what monitoring the university is doing or has planned..
7. We approved of the idea of taking wastewater treatment lagoons off-line and hooking the homes using those systems to city sewers. We suggested monitoring for P, N, Cl, and bacteria above and below the systems to understand the local effects to provide context to the data from the existing sampling sites along Hinkson Creek. We encourage the sewer district to consider the sequencing of these actions in terms of using later lagoons closures as a "control" site. We need to know more about the pathways of this effluent to finalize monitoring design.
8. We approved of the Forum Roadside Channel Step Pools and will develop monitoring criteria that are most likely related to longer term geomorphic monitoring.
9. For the Moon Valley project, we requested soil samples to determine both the composition of the material being eroded and to determine whether riparian forest or wetlands might be more appropriate for areas within this site. (Given that these

sediments are relatively new and were not mapped during the time before the dam failure, a new soils map of the area is likely going to be needed.)

10. The Forum Nature Area project sounds like a good idea, but we need many more details before commenting further. Use existing or develop soils maps to determine the areas' suitability for wetlands.
11. Of the detention projects, the Oak Forest project is most appealing. It offers the opportunities for monitoring that may inform the scalability of these projects, allow the science team to learn more about the effects of detention across a variety of potential impacts and could serve as the basis for gaining understanding of the operations and impacts of operation of the activated valves. The science team will develop a monitoring protocol for this project.
12. The team wants to design a method for more comprehensively examining the watershed. This should include LiDAR and aerial photography and take advantage of the abundance of information available. This is preferable to isolated habitat assessment.
13. The team recognizes the need to determine the most important science gaps and to use and develop the conceptual model for this and other purposes.

We agreed to start developing guidance for monitoring through e-mails since August was a difficult month to schedule a meeting. Our next meeting will focus on these projects, looking at science gaps, deciding on the information needs for the watershed map and assessing where we are with respect to the demands on this team.