

Hinkson Creek CAM Science Team
Notes of the May 16, 2012 Meeting

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

Minutes from the April 25 meeting were approved with one correction.

Jason Hubbard presented a summary of his research in the Hinkson Creek watershed. He began by summarizing a paired, nested experiment in Idaho and then switched to his nested set of experiments on Hinkson Creek. His work illustrated some of the relationships between riparian plants, hydrogeomorphology, fine sediment, riparian groundwater and stormwater. He noted that his analysis indicated no change in baseflow, using average daily flow, from 1967-2010. The team discussed that the daily data are not able to support a scientifically valid analysis for stormwater over that period.

The team then discussed planning for the next few months. The following items need to be discussed and will need to include interactions with the Action Team.

1. The Science Team needs to understand changes and action already completed in the watershed better.
2. The Science Team needs to develop a conceptual model of the watershed based on what is known and what needs to be learned.
3. The Team needs to determine whether additional scientific measurements are need to supplement the work being done by the department and Dr. Hubbard and his colleagues.
4. Using the conceptual model and what is understood, the Science Team should work to guide the Action Team and the Stakeholders Committee in their choices of actions to be taken.
5. The Team needs to work with the Action Team to determine the monitoring and /or modeling to measure the efficacy of the proposed actions.
6. The Team should prepare a presentation to the Stakeholders Committee on the Hinkson watershed to help them understand the state of understanding, the important questions and to provide a basis for their decision-making on actions and monitoring.

Steve Hunt (City of Columbia) then presented background information on growth near the I-70 highway 63 intersection as well as an overview of actions taken by the City to improve water quality in Hinkson Creek. Georganne Bowman (Boone County) then offered some examples of actions taken by the county and a brief summary of the current 319 grant activities.

The next meeting will focus on the development of a conceptual model for the Hinkson Creek watershed. John Holmes agreed to send out a Doodle poll to help schedule the next meeting.