
Hinkson Science Team Meeting Minutes

June 5, 2018

A meeting of the Hinkson Creek Science Team was held at the US Geological Survey's Columbia Environmental Research Center (4200 New Haven Road, Columbia, MO 65201) on June 5, 2018. Attendees included: Robb Jacobson, John Holmes, Enos Inniss, Dave Michaelson, Paul Blanchard, Dan Obrecht, Barry Poulton, Joe Engeln, Alba Argerich, Bill Florea, Lynne Hooper, Nicki Fuemmeler, Catherine Wooster-Brown (by phone), and Robert Voss

Discussion Items

1. Science Team Field Trip

A suggestion was made to schedule a field trip for the Science Team to look at some of the larger issues and vulnerable areas of Hinkson Creek possibly some improvement areas as well.

2. Invertebrate Analysis Proposal

Barry Poulton drafted a proposal for looking further into the existing and historic macroinvertebrate compositions for Hinkson Creek. This was shared ahead of time with the Science Team. Funding of the proposal was discussed and a budgetary statement was added to the proposal. This proposal could be completed by a graduate student, contractor, or other entity. Robb Jacobson will finalize the proposal and send it to Bill Florea to be presented to the Action Team

3. Progress Update on Fine Sediment Inventory of Hinkson Creek

Lynne Hooper gave an update on the fine sediment inventory of Hinkson Creek. Up to this point the study has been conducted on only the bedrock-constrained portion of Hinkson Creek. There are a total of 137 sites, 43 of which have been measured. Generally it takes approximately 4 hours to complete 10-12 sites. Anecdotally the portion measured thus far has had little sediment deposition, and larger fish have been observed than years past.

Recolonization time for fish and macroinvertebrate communities was discussed in relation to high flow events that occurred in Hinkson Creek in 2013. This led to the discussion of the hydrology and relative hydrologic events that could dislocate the biological communities. Paul Blanchard volunteered to look further into the hydrological data for Hinkson Creek and will try to relate the invertebrates sampled by the Missouri Department of Natural Resources to relatively significant hydrological events.

4. Strategy for accessing the data Dr. Jason Hubbard collected on Hinkson Creek

Several strategies were discussed regarding the access to data on Hinkson Creek collected by Dr. Jason Hubbard. Dr. Hubbard is in possession of the data and has declined to share the data with several Science Team members. The team decided the best approach to move forward is for the University of Missouri-Columbia Water Center to approach Dr. Hubbard to try to initiate conversations. Enos volunteered to for this step.

5. Implications for future data-sharing recommendations

This discussion centered on how to word proposals for future research with respect to for data sharing. Ultimately, the expectation would be that all data created by a study would be shared with the funding entity. The group discussed language that they have seen in such proposals as National Science Foundation grants and agency grants, and there are usually data sharing provisions in these documents. Catherine Wooster-Brown agreed to look at some EPA grants to see whether they have any policies on data sharing. Robb Jacobson demonstrated the data repository structure of sciencebase.gov

6. Team Updates

Bill Florea had no updates from the Action Team. He did say, however, that the next Action Team meeting will be Friday, June 15 at the MU's General Services Building in Room 194A at 9:00 a.m.

The Stakeholder Team will meet on June 20 or June 26 at the Boone County Government Center, Room 301. Dannelle Hake will be presenting volunteer water quality on River des Peres. If anyone from the Science Team is planning to attend, they are encouraged to RSVP so the stakeholders can reserve a larger meeting room.

Joe Engeln invited anyone who may be interested to come out and help Lynne and him on their sediment study.

7. Next Steps

The next meeting for the Science Team is set to be held on July 10, 2018 at the Allstate Consultants' Conference Room (3312 Lemone Industrial Blvd, Columbia, MO 65201)