

Hinkson Creek
Collaborative Adaptive Management
Stakeholder Committee
December 10, 2019 4:00 PM – 5:30 PM
Boone County Government Center, Room 301, 801 E Walnut, Columbia

Attending: EPA Facilitator Monica Espinosa, Frank Gordon, Jay Turner, Councilman Karl Skala, Jeanine Pagan, Dee Dokken, Diane Oerly

Phone: Todd Houts, Tim Rielly, Mark Farnen, Commissioner Fred Parry

Absent: Della Streaty-Wilhoit, Nathan Odle, Tom Trabue, Paul Mehrle

Guests: Nicki Fuemmeler, Lynne Hooper, Bill Florea, Erin Keys, Michele Woolbright, Laura Wiseman

1. Welcome to Process participants and Introductions

Introduction of Stakeholders and guests

2. Approval of previous meeting minutes

A brief discussion of the previous meeting was held. Diane asked to change the 3rd paragraph under Section 4. Science Team Updates to reflect collecting Dr. Hubbard's data relating to Hinkson Creek. A Trabue/Rielly motion to approve the September 24, 2019 was made and passed unanimously.

3. Missouri Department of Natural Resources Updates

Tim Rielly reported that the Division of Energy has moved back to MDNR from the Department of Economic Development. The department is caught up on permitting. Chapter 319 grant proposals are due October 2020. These grants offer up to \$200,000 for stormwater nonpoint source issues.

4. Science Team Updates

CAM has 6 studies from our priorities list underway or completed. The macroinvertebrate study is ongoing; intensive longitudinal mapping of fine sediment is done; the LiDAR analysis is still scheduled, but the flyover has been delayed due to flooding and will continue once floodwaters recede; evaluation of the Missouri River backwater effects was completed in 2017; the role of physical habitat disturbance and spatial analysis is ongoing; and funding of Dr. Argerich's synoptic sampling and USGS Comprehensive Chemical Sampling have been proposed.

Geosyntec is conducting analysis of the macroinvertebrate data. There will be a presentation of their findings at the All-Team meeting in April.

The USGS Comprehensive Sampling proposal has been recommended for funding. The MS4 partners are prepared to fund this proposal if the Stakeholders vote to approve. Discussion of the proposal was held. A Farnen/Skala motion was made. Motion to fund proposal passed unanimously.

Dr. Jacobson provided a written update for his physical habitat and spatial analysis:

“Physical habitat assessment data (Hooper, 2015), HEC-RAS hydraulic model data, and a spatially limited survey of sediment thickness in the stream channel were analyzed statistically. Cluster analysis shows considerable variation along the stream, but not always following a downstream-upstream pattern as would be expected in a “textbook” stream. The Hinkson is fundamentally different in different places.

The physical habitat patterns suggest that bedrock geology and backwater effects from the Missouri River have a strong first-order effect on habitat.

Variation in sediment metrics – embeddedness and fine-sediment accumulation thickness – correspond to gradient and somewhat to inputs from tributaries. This may indicate second-order effects of sediment delivery from land-use, but interpretation is challenging because of multiple confounding influences.

Some additional multivariate statistical analysis to evaluate the multiple influences is planned as time permits.

Future work could involve more extensive sediment survey. A phase 2 could extend the sediment thickness inventory upstream and downstream, which would provide a second point in time and more opportunity to assess relations to land uses.”

Dr. Argerich’s Synoptic Sampling proposal was voted on and approved at the September 24, 2019 Stakeholder meeting. Dr. Argerich has agreed to sample for another 2 years. The City of Columbia is working on drafting the 3-party agreement, which will need to go through City Council and County Commission for approval.

5. Action Team Updates

The All-Team Meeting has been tentatively set for April 14, 2020 at the MU General Services Building, from 4-6 PM. The draft agenda includes the macroinvertebrate study analysis presentation by Geosyntec, a Science Team Update, a presentation by Dr. Argerich, a level spreader presentation by Laura Wiseman, and anything else the Stakeholders are interested in. Nicki will send out a Doodle poll for alternate dates.

The Hinkson Creek Land Management Workshop is scheduled for February 29, 2020 and will be part of the Sustainable Living Fair. Another workshop is being planned for the fall in Hallsville to promote the RCPP project. Large landowners in the Hinkson Creek watershed have also been invited to the Bonne Femme Land Management Workshop being held December 14, 2019.

6. Riparian Subcommittee Updates

A proposal will be ready for the June 2020 RCPP submission. This will create a fund for producers in the Hinkson Creek watershed to install best management practices on their property to help improve water quality and soil health.

7. New Business

Ben Londeree has resigned his seat on the Stakeholder committee. Ben was the secretary and helped with the minutes and annual report. The Stakeholders would like to award Ben with a Certificate of Appreciation at the April meeting. A request was made for someone to help fill those roles. Diane Oerly volunteered to help with the meeting minutes. There were no volunteers to help with the 2019 annual report. Diane would like to have the 2019 annual report ready to approve at the April meeting.

Monica Espinosa mentioned 2 EPA grants available: Environmental Education grant for up to \$100,000 available to educational institutions and non-profits, and the Environmental Justice Collaborative Problem-Solving Cooperative Agreements, up to \$120,000 for non-profits.

Laura Wiseman gave a presentation on the Forum Level Spreader.

8. Old Business

A Pagan/Skala motion was made and passed unanimously, pending a possible quotation change on page 1. Nicki Fuemmeler will distribute copies of the final draft to the City of Columbia, Boone County, MU, DNR, and EPA.

No more CAFO discussions are necessary currently.

Todd Houts met with the Director and lead grant administrator of OSA, and the Director said Dr. Hubbart's data should be available, and all we need to do is provide to MU, the grant code or exact grant name, and ask the university of provide us with the data.

9. Collaborative Adaptive Management Committee Discussion of Next Steps

Nicki will send out a Doodle poll for March Stakeholder meeting dates.

10. Adjournment

A Skala/Gordon motion to adjourn passed unanimously.

Respectfully submitted,

Nicki Fuemmeler

Edited by Diane Oerly