

Hinkson Creek  
Collaborative Adaptive Management  
Stakeholder Committee  
September 26, 2024 4:00 PM – 5:30 PM  
Virtual and In-person – Microsoft Teams  
801 E. Walnut, Room 214, Columbia, MO 65201

Online/Phone: EPA Facilitator Jodi Harper, Jon White, Commissioner Justin Aldred, Tim Rielly

Online/Phone Guests: Ted Hauessler

In-Person: Jeanine Pagan, Dee Dokken, Leanne Tippett Mosby, Diane Oerly

In-Person Guests: Lynne Hooper, Michele Woolbright, Lee White, Nicki Rinehart

Absent: Jay Turner, Frank Gordon, Susan Hart, Rob Wolverton, Tom Trabue, Councilwoman Betsy Peters, Scott Hamilton

**1. Welcome to Process, Participants and Introductions**

Stakeholders and guests introduced themselves.

**2. Approval of previous meeting minutes**

A motion was made and seconded (Tippett Mosby/Orley) for the June 2023 and December 2023 minutes to be approved. Motion passed.

**3. MDNR/MS4/Stakeholder/Watershed Updates**

Lee White provided an update on the revision of the City of Columbia's Integrated Management Plan (IMP). The revision is planned to be completed by the end of 2024. Diane Oerly asked if the IMP related to the CAM Process. Lee stated that one of the areas the IMP addresses is water quality, so all of the studies and activities CAM does directly relate to the IMP.

Nicki Rinehart mentioned that Boone County is updating their Master Plan. The proposed plans can be found at [www.ourboone.com](http://www.ourboone.com).

Nicki Rinehart gave an update on the MS4 (Municipal Separate Storm Sewer System) permit renewal. The permit is jointly held between the City of Columbia, Boone County, and MU. The permit cycle is five years and expires in June 2025.

Nicki Rinehart shared that the County is in the process of revising their stormwater ordinance. The ordinance revisions have been presented to the Planning and Zoning Commission. The County hopes to set the dates for the public hearings soon. Tim Rielly asked if there was a place to view the revisions. Nicki will send an announcement once the revisions are posted to the website.

#### **4. Science Team Updates**

USGS Chemical Analysis – Lynne Hooper stated that we are still waiting on a couple of data packages. Recently received data has been provided to the Science Team for review.

Chloride Study – Lynne Hooper stated the study is ongoing. Geosyntec is maintaining the equipment and downloading data. Potential expansion of the project will be discussed in New Business.

Dr. Zeiger's Sites – Lynne Hooper stated that along with the chloride study and sites Geosyntec are monitoring, Dr. Zeiger, Lincoln University, had reestablished sampling locations at Dr. Hubbard's traditional monitoring sites in Hinkson Creek watershed. Dr. Zeiger took a job out of state and turned the sites over to Dr. Argerich at MU. Dr. Argerich does not have adequate staffing or funding to maintain these sites, which is part of the amendment to the chloride study, discussed later in the meeting.

Synoptic Sampling – Lynne Hooper said Dr. Argerich has a PhD student who is analyzing the data from the synoptic sampling, along with some additional data that was funded outside of CAM. We are expecting the results be presented as part of the student's dissertation. Diane Oerly asked if the Stakeholders could get a presentation. Lynne will check on this.

Science Team Executive Summary for Science Strategy – Tim Reilly shared that the Science Team Executive Summary has been updated. Tim thought Dr. Robb Jacobson had sent the summary to all CAM teams for review. Tim said the document summarizes all of the "data that's out there," CAM proposals and studies, and potential threats to Hinkson Creek. Tim highly recommends the Stakeholders take a read of the document. Diane Oerly would like the Stakeholders to read the summary and invite Dr. Jacobson to the next Stakeholder meeting to discuss the strategy and thank him for his work. Dee Dokken asked if the executive summary was available on the website. Tim Reilly is going to send Nicki Rinehart a copy to send to the Stakeholders.

#### **5. Action Team Updates**

Website Redesign – Nicki Rinehart said the website is still under construction. More to come at the next meeting

Logo Contest - Nicki Rinehart said there will be more to come next meeting. Diane Oerly asked what the purpose of the logo was. Nicki said it was to update the logo to use on the website and for branding to make CAM a little more identifiable.

All-Team Meeting – Nicki Rinehart said the Action Team wants to be able to have a really informed meeting with reports on the Chloride Study, Chemical Sampling Analysis, and Synoptic Sampling. We're just waiting on the analyses to be completed, which is taking longer than anticipated. Diane Oerly doesn't want to keep pushing the meeting off and suggested an All-Team meeting to discuss the Science Strategy. Nicki will share this suggestion at the next Action Team meeting. Tim Reilly thinks this is a good idea, but the Science Team would need ample warning to distill and present data.

## **6. Riparian Subcommittee Updates**

Lynne Hooper reported that the subcommittee has been talking to City of Columbia Parks and Rec about doing a small riparian corridor restoration at Grindstone Nature Area. Parks and Rec has provided a tentative site plan. The anticipated restoration will take place in Spring of 2025. Signage discussing the importance of riparian corridor is also planned.

Lynne Hooper said the subcommittee partnered with the US Fish and Wildlife Service to host a riparian workshop on May 18. The workshop was held for residents of the East Campus neighborhood. The residents looked at some yards that had done invasive species removal, looked at the park, and discussed various aspects of riparian corridor maintenance and water quality benefits. Lynne anticipates another workshop with Fish and Wildlife in 2025.

## **7. New Business**

Proposal for Additional Hinkson Creek Surface Water Monitoring, Sampling, and Chloride Regression Model Development – Lynne Hooper provided background of the current specific conductance monitoring project going on in the watershed. The Action Team would like to amend the project to also collect grab samples at these sites for chlorides and add Dr. Zeiger's sites to the list of monitored sites. The idea is to be able to develop regression models at each sampling site to determine correlations of chloride levels to specific events. Jon White asked if the project spanned across two fiscal years. Lynne confirmed the remaining duration of the project has another two years. Diane Oerly asked if someone could summarize Table 2. Lynne stated that Geosyntec provided a range of project costs for additional monitoring stations added to the proposal. The Science Team recommended five (5) additional stations to more closely align the data collected with historical data. Dee Dokken asked who pays for the study. Nicki Rinehart stated that after the Stakeholders approve the proposal and recommend the level of funding, it will go back to the Action Team, who has the final say on the amount, as it's the City, County, and MU who are paying for the study. Leanne Tippet Mosby clarified that the Science Team recommended the verification and maintenance of five (5) additional water quality monitoring stations with sample collection, analysis, and regression models development, formerly Dr. Zeiger's stations. Jon White asked if the \$89,565 included the monitoring in progress. Nicki said Table 2 shows the total cost for Task 1 and Task 2, which is \$89,565. This amount will be spread out over two years between three partners.

Discussion: Jeanine Pagan thinks the additional sites are important and would like to move forward with five (5) additional sites.

Leanne Tippet Mosby made a motion to vote in favor of the Science Team's recommendation of five (5) additional sites. Seconded by Diane Oerly. Motion passed unanimously.

Annual Report – Nicki Rinehart said she thought she got everything covered in the report. Diane Oerly asked, under section 4(b), if we got new replacements for non-active members. Nicki said recommendations for replacements have been made without luck. Leanne Tippet Mosby asked if the Columbia Public Schools representative had to be a school board member. Nicki said their last representative was not on the board. Nicki is going to check on the process for approaching potential members.

Leanne Tippet Mosby made a motion to vote in favor of approving the 2023 Annual Report. Seconded by Jeanine Pagan. Motion passed unanimously.

**8. Old Business**

**9. Collaborative Adaptive Management Committee Discussion of Next Steps**

Action Team members will discuss All-Team meeting proposal with Action Team and Science Team. Nicki Rinehart will work on Stakeholder membership and submit annual report, Diane would like an update on permits, Jodi would like an update on the website redesign and logo contest.

**10. Adjournment**

Leanne Tippett Mosby made a motion to adjourn. Seconded by Dee Dokken. Motion approved unanimously.

Respectfully submitted,  
Nicki Rinehart

DRAFT