
Hinkson Science Team Meeting Minutes

A meeting of the Hinkson Creek Science Team occurred on February 6, 2024, starting at 3:00 PM via Microsoft Teams call.

Science Team Members

Name	Organization	Area of Interest or Role	Present/Absent for Meeting
Venessa Madden	U.S. Environmental Protection Agency	Water Chemistry/Water Quality	Absent
Paul Blanchard	Retired	Hydrology/ Water Quality	Present
Robert Voss	Missouri Department of Natural Resources	Water Chemistry/Water Quality/CWA Section 303d	Present
John Holmes	Allstate Consultants	Civil/Environmental/Water Resources Engineer	Present
Robb Jacobson	University of Missouri Columbia, Adjunct Professor	Potamologist	Present
Dave Michaelson	Missouri Department of Natural Resources	Aquatic Macroinvertebrate Biologist/ Water Quality	Present
Chris Schmitt	Retired/Emeritus U.S. Geological Survey	Aquatic Toxicology	Present
Sean Zeiger	Lincoln University	Hydrology and Watershed Modeling	Absent
Alba Argerich	University of Missouri Columbia	Water Quality/Stream Ecology	Present

Other People in Attendance: Alec Brown, Lynne Hooper, Nicki Rinehart, Ted Haeussler, Jon White, Cody Luebbering, Tom Wellman, Tim Rielly, Madison Stieg

Minutes

The minutes for January 2024 were approved with a change.

Discussion Items

1. BMP and Stormwater GIS data discussion.
 - a. Boone County
 - i. Nicki Rinehart shared GIS layer depicting BMPs from 2009 on - points, most are in the middle Hinkson watershed. What type of BMP, contributing

drainage area size, impervious area size, tree plantings, runoff reduction volume, watershed, all permitted BMPs are in the database.

- ii. Runoff reduction of 10% of the site is required
 - iii. BMP's include water quality (first 1.3", 90% rule), channel and flood protection
 - iv. Annual inspection and maintenance is required
 - v. Layer is mostly complete and up-to-date
- b. City of Columbia
- i. Tom Wellman shared GIS layers of BMPs – points and lines
 - 1. Public infrastructure – high degree of confidence
 - 2. MODOT infrastructure – most is captured but some is not
 - 3. Private – maintained by distributor
 - ii. Annual inspection and maintenance is required
 - iii. Flood prevention/detention suite of target flows 1- 100 year storm pre vs post
 - iv. Water quality – point system, how much of an effort needs to be made, runoff numbers surrogate to determine development impact, pre to post. BMPs are chosen to try to ameliorate the impacts, Water quality (storm first 1.3", 90% rule)
 - v. Large percentage of BMPs are bioretention basins
 - vi. Type of BMP, owner, status – 500+ BMPs
 - vii. Gaps – Hathman and Business loop
- c. MU
- i. Data not ready to be shared yet
- d. What will the Science Team accomplish with this data. Design a study?

2. Open Topics

- a. Boone county is looking at a proposal for chloride sampling in conjunction with the conductance monitoring. Lynne will email the proposal to the team.

Next Meeting

The next meeting for the Science Team is scheduled from 3 pm to 5pm on March 5, 2024, via web interface call.