
Hinkson Science Team Meeting Minutes

A meeting of the Hinkson Creek Science Team was held at the Allstate Consultants' Conference Room (3312 Lemone Industrial Blvd, Columbia, MO 65201) on November 5, 2019, from 3PM to 5:00 PM.

Science Team Members

| Name | Organization | Present/Absent for Meeting |
|-------------------------|--|----------------------------|
| Catherine Wooster-Brown | U.S. Environmental Protection Agency | Absent |
| Paul Blanchard | Missouri Department of Conservation | Present |
| Robert Voss | Missouri Department of Natural Resources | Absent |
| John Holmes | Allstate Consultants | Present |
| Robb Jacobson | U.S. Geological Survey | Present |
| Dave Michaelson | Missouri Department of Natural Resources | Present |
| Dan Obrecht | University of Missouri | Present |
| Enos Inniss | University of Missouri | Present |
| Barry Poulton | U.S. Geological Survey | Present |

Other People in Attendance: Nicki Fuemmeler, Michele Woolbright, Tim Rielly, Bill Florea, Tom Wellman.

Minutes

No votes were held to approve the September 3, 2019, and October 1, 2019, minutes.

Discussion Items

- USGS Passive Sampler Water Quality Study
 - Dan Obrecht provided an EPA list of pollutants and their chronic and acute concentration values.
 - The team discussed potential deployment sites for the passive samplers. Ultimately, the team decided it would be best to decide specific site locations with input from USGS.
 - The Science Team (sans USGS members) recommend to the Stakeholder Team that the USGS study be funded as proposed by Dr. Alvarez. The five sample sites will be specified after additional planning.

2. Discussion of road salt led by Dr. Robb Jacobson

- An article by Haake and Knouft (in press) that studied the effect of road salt vs. brine application on instream chloride concentrations was distributed to members of the Science Team. This paper prompted Dr. Jacobson to discuss a potential experiment designed to determine whether replacing road salt with brine will reduce chloride stress on the Hinkson Creek macroinvertebrate community.
- Dr. Jacobson presented a brief study design to measure before and after effects of transitioning from road salt to chloride application.
- It was brought up that Columbia is already using brine and beet juice as road treatment and that rock salt is wetted prior to application so it adheres to paved surfaces better.
 - i. The team suggested that we invite road maintenance experts from Boone County, the City of Columbia, and the University to an upcoming Science Team meeting to talk about current road treatment methods.
 - ii. It would also be good to know whether salt application records exist going back to the original (2001-2002) MoDNR Hinkson Creek biological assessment.

3. Update on the invertebrate analysis project

- The contractors hired to analyze the existing data are working on the project.
- They will be invited to future Science Team meetings to provide updates.

4. Discussion of a future combined meeting with the Action Team and Stakeholders Team

- The joint meeting has tentatively been scheduled for April 14, 2020, to be held from 4:00-6:00 p.m. at the University of Missouri's General Services Building.
- Each team will have 45 minutes for presentations.
- From the Science Team, we will likely have a status report on the macroinvertebrate data analysis study and a presentation of preliminary data from Dr. Inniss' Level Spreader study.

5. Next Meeting

The next meeting for the Science Team is currently scheduled from 3 pm to 5pm on December 3, 2019, at the Allstate Consultants' Conference Room (3312 Lemone Industrial Blvd, Columbia, MO 65201).