
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 June 2, 2020, from 3:00 PM to 5:00 PM and via webex call.

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	Present
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	Absent
Barry Poulton	U.S. Geological Survey	Absent

Other People in Attendance: Michele Woolbright, Jon White, Tim Rielly, Lynne Hooper, Cody Luebbering, Monica Espinosa, Noel Aloysius

Minutes

The minutes for May 5, 2020 were approved.

Discussion Items

Cody Luebbering - Update on macroinvertebrate analysis

- Overview of non-metric multidimensional scaling (NMDS) with season and water quality parameters
- Conductivity and chloride show a strong correlation to the urban sites in spring and fall, fall had other ions contributing to conductivity
- Nutrients parameters show a strong correlation with the reference and rural sites
- Fall data indicates a potential change over time, spring data do not
- Next steps is to add taxa data into the NMDS

MU Synoptic Sampling Update

- Moving forward, but won't happen until July at the earliest

Update on Dr. Aloysius' work on SWAT, HSPF, and in-house watershed modeling

- HUC-12 scale - Grand, Chariton, Hinkson, and Goodwater Creek watersheds currently being worked on
- Looking point and non-point sources in the watersheds
- Hourly weather data available from NOAA
- Incorporating current conservation efforts and BMPs
- Developing baseline for suspended sediment, nitrogen, and phosphorus (total, particulate, and reactive)

Next Meeting

The next meeting for the Science Team is currently scheduled from 3 pm to 5pm on July 7, 2020 via webex call.