
Hinkson Science Team Meeting Minutes

A meeting of the Hinkson Creek Science Team occurred on April 1, 2025, 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	Present
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
VACANT	VACANT	Modeling/BMP related?	VACANT
Alba Argerich	University of Missouri Columbia	Water Quality/Stream Ecology	Present

Other People in Attendance: Michele Woolbright, Lynne Hooper, Dane Boring, Ted Haeussler, Josh Horne, Travis Tesreau, Eric Kopinski, Alec Brown, Nicki Rineheart

Minutes

The minutes for January 2025 were approved, no meeting was held in February or March.

Discussion Items

1. Boone County/Geosyntec Sonde Update
 - a. Equipment now installed at all 11 stations. Haven't been able to retrieve recent data from Dr. Zeiger's equipment as they were not maintained for a period of time.
2. MODOT stormwater overview of I-70 Area Improvements

- a. Travis Tesreau with MODOT gave an overview of the I-70 area improvements and potential stormwater impacts/mitigations.

Direct drainage to Hinkson Creek

- Approximately 200 acres of tributary area and includes runoff from I-70 and associated ramps, Route 63 and Route 63 bypass, the business loop, Clark Lane, I-70 south outer road, and Clark connector.
- New construction will increase impervious area by approximately 14 acres.
- Six proposed dry bottom detention basins...totaling 6 AC-FT of added storage volume.
- Approximately 65 cfs reduction in 100-year discharge to Hinkson Creek because of basins.

- b.

Erosion Control

- Basins mainly incorporated in the interchange area and near the Route 63 underpass.
- Open conveyance in ditches, as opposed to storm sewer, where possible.
- The I-70 corridor east of the interchange is much narrower, thus no room for additional detention basins.
- Permanent riprap at all concentrated discharge points and steeper slopes to prevent scour, erosion, and downstream loading.
- Temporary erosion and sediment controls in active construction areas. Disturbed areas that will remain inactive for long periods will be seeded.

- c.

3. Open Topics

- a. Dr. Argerich has a student working on developing a stormwater sampling project on tributaries to Hinkson Creek attempting to capture several stormwater events over the summer.
- b. All teams meeting ideas being considered. Perhaps a field trip to one or more areas of recent projects.
- c. Josh Horne will give an update on data collected so far at May meeting.

Next Meeting

The next meeting for the Science Team is scheduled from 3 pm to 5pm on May 6, 2025, via web interface call.