
Hinkson Science Team Meeting Minutes

July 10, 2018

A meeting of the Hinkson Creek Science Team was held at the Allstate Consultants' Conference Room (3312 Lemone Industrial Blvd, Columbia, MO 65201) on July 10, 2018. Attendees included: Robb Jacobson, John Holmes, Enos Inniss, Laura Wiseman, Dave Michaelson, Paul Blanchard, Barry Poulton, Joe Engeln, Lynne Hooper, Monica Espinosa (by phone), Catherine Wooster-Brown (by phone), Cody Luebbering, Ted Haeussler, Kori Thompson and Robert Voss

Minutes

The minutes from the June 5, 2018 meeting were approved with no changes.

Discussion Items

1. Missouri Department of Natural Resources 2017 macroinvertebrate data – Hinkson Creek

Dave Michaelson gave a brief overview of the 2017 macroinvertebrate data collected in Hinkson and Bonne Femme Creeks. Thirty-six percent of the sites in the spring and twenty-five percent of the sites in the fall had fully attaining MSCI scores; the rest of the sites had partially supporting MSCI scores. EPT scores generally scored the poorest and SDI scores generally scored better. Drought conditions prior to and during fall sampling resulted in no flow conditions in the upper reaches of Hinkson Cr, therefore samples were not collected.

2. Analysis of peak flows in comparison to invertebrate scores

Paul Blanchard (Missouri Department of Conservation) presented a detailed analysis of flow conditions prior to and during the macroinvertebrate sampling on Hinkson Cr. Hinkson Creek exhibits hydrology similar to the Bourbeuse River near High Gate, MO. Comparing the past gage data (1967-1981) to the more recent gage data (2007-present); Hinkson Cr. does not appear to be having reduced base flows. One hypothesis from this analysis: Are macroinvertebrates influenced by small to medium flow pulses that occur during base flow or low flow conditions? These pulses are likely to be carrying heat or other pollutants in greater concentrations relative to the flow status of Hinkson Cr.

3. Science Team Field Trip

The field trip has been delayed until later in the year. Logistics are still being discussed.

4. Team Updates

The invertebrate proposal was recommended to be funded, but the funding source is yet to be determined.

5. Other Topics

No further updates on the sediment survey work being performed by Lynne and Joe. The project is still ongoing.

There is a possibility of Dr. Alba Argerich starting some auto sampling on Hinkson Creek. A list of parameters currently collected by Missouri Department of Natural Resources was requested, as well as any other parameters the science team thinks would be beneficial.

6. Next Meeting

The next meeting for the Science Team is set to be held on August 7, 2018 at the Allstate Consultants' Conference Room (3312 Lemone Industrial Blvd, Columbia, MO 65201)