

Hinkson Creek CAM Science Team
Notes of the October 29, 2014 meeting

Team Members Present: Paul Blanchard, Joe Engeln, John Holmes, Jason Hubbard, Robb Jacobson, Dave Michaelson, Dan Obrecht, Barry Poulton

The notes from the previous meeting were approved.

Dave presented preliminary results from the DNR sampling.

1. Nitrogen, Phosphorus and Chloride and conductivity were all up in the first pulses after storm events, but within Water Quality Standards (WQS).
2. Sites 3.5 through 7 were fully supporting while sites 1, 2, 3 and 8 were partially supporting. Taxa richness was generally OK, but EPT species numbers dropped downstream.
3. 2001-2006 – 47 fully supporting and 53 partially supporting
4. 2012-2013 – 52 fully supporting and 48 partially supporting
5. DNR has made a commitment to continuing these measurements in 2015 and 2016.
6. The team discussed the potential for collecting more chemical samples (Cl and DO)

Barry presented dome results from the USGS on a number of streams that indicated that there is a seasonal signature to invertebrate data. These data suggest that spring data are depressed relative to the fall because of the time required to recover from winter stressors (Cl?).

Tom Wellman reported on the level spreader. Final adjustments are being made. The city needs to be able to remove this to treat Johnson grass or for maintenance. The drainage area above this is roughly 140 acres and Tom estimated that there are potentially about 30 sites where level spreaders could be installed.

Jason and Lynn Hooper showed data from the Physical Habitat Assessment (PHA). The team made a few suggested changes in the data presentation for the stakeholders in January. More detailed analyses will come out in May or June when Lynn completed the work on her thesis.