

Hinkson Creek CAM Science Team **Notes of the April 18, 2016 meeting**

Team Members Present: Bob Angelo, Paul Blanchard, Joe Engeln, John Holmes, Dave Michaelson, Dan Obrecht, Barry Poulton

The notes from the last meeting were approved.

Sewer project - John Holmes discussed the sewer line project in upstream portion of the watershed. The project would take some of the load off the Bear Creek system as well as taking some pump stations off-line. It would connect to an existing sewer line near Vandiver and Highway 63 with 5-6 crossings of Hinkson creek and several crossings of tributaries. The pipeline will be a 30" line with all stream crossings done by trenching since bedrock is quite shallow and boring did not present any advantages.

The crossings will be built on one half of the creek at one time to allow water flow and the backs will be lines with rip rap to deter erosions prior to revegetation with native plants. The minimum pipe depth will be 3 feet to protect against lateral erosion or down-cutting. A Storm Water Pollution Protection Plan has been completed. The city will do daily inspections and take photos. The team suggested that these photos be archived so that they could be used to look at these sites in the future.

The team then discussed the landfill project. Erin Keyes explained that the slope had been lowered compared to the previous plan and that erosion matting would be placed behind the rock being placed to ensure that the bank was stable. Tie-backs will be placed every 75 feet and trees planted to further assure stability of the site.

Science Strategy - No one offered comments on the science strategy document, so Joe offered to hold over discussion until the next meeting.

2014 Sampling Event – Dave Michaelson presented a summary of the results. Storms interrupted sampling and the spring results. The fall samples were taken on the recession limb of a significant storm event. No obvious impact on the biological community was observed. The fall data were notable by the number of 18 and 20s on the MSCI. Only 3-18s and no-20s were previously observed. Dave offered that the flood may have distributed some species (mayflies and stoneflies) downstream, possibly raising the scores at some sites.

When comparing the MSCI scores from 2012-2014 to earlier scores, rural scores have declined slightly while urban scores increased. EPT taxa are the criteria that are lowest of the four that comprise the MSCI.

2016 Sampling Event – Dave noted that the conditions statewide may the spring 2016 a good sampling window with a warm, fairly dry late winter and early spring. Good habitat was seen throughout Hinkson Creek. He also noted that the log jam just upstream of Twin Lakes near the MKT trail bridge was gone. Subsequent looks at the most recent imagery showed that two other log jams further downstream were intact.

After adjournment, the team and guests scanned to latest imagery and the MoRAP sandbar analysis to look at the mobility of these features over the intervening time span and to look at the areas of imminent pipeline construction.