

Hinkson Creek CAM Science Team
DRAFT Notes of the July 9, 2013 meeting

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

The minutes from the June 2013 meeting were approved.

GIS portion of the Habitat Assessment – Ronnie Lea Reported that he had almost completed the GIS portion of the assessment and is working primarily on the data analysis work. He noted that the longer the reach length, the more uniform the size of the resulting drainage polygons become. He will complete the layer clean-up, metadata and methodology soon, probably by the end of the month. He will arrange to talk to Lynn Hooper and the county GIS staff to ensure a solid hand-off.

Field portion of Habitat Assessment – Jason discussed the new Water Resources Graduate Program within the School of Natural Resources and noted that it may help attract students. He did receive notification from the university that the money had been approved for this project. He has Lynn Hooper working on this and is hoping to add a second field person with interviews soon. If none of these applicants works out, he may assign an M. S. student. Robb, Paul, Dave, Joe joined Jason and Lynn the day before to review the field rules and protocol.

Chemical Sampling – The science team needs to pull together a request to fund this work acknowledging that a mix of funds may contribute. The team discussed the need to fit the city/county/MU budget cycles in order to help the process go smoothly. Any proposal that we create should then go to the action team. Joe will meet with action team next week to try to get this better defined. The challenge will be to get equipment, maintenance and normal operations, analysis and replacement equipment all supported. Jason noted that his group would be collecting grab sample data until February and then only the autosamplers would continue to operate.

The four main measurements desired would be temperature, turbidity, dissolved oxygen and conductivity. Multiple options for determining siting were discussed and Robb agreed to create a first draft map of sites for consideration. The team also discussed densifying the basic network to address specific questions, sites or reaches (for example a project site). The team is also aware of the need to protect and maintain the equipment, both of which create challenges. Jason agreed to get some equipment cost estimates with the idea that we should budget for some replacements to avoid missing sampling times caused by high flow events, etc.

(Editor's note: I next have something about storm drains, but it doesn't seem to make sense in the context I have it written, so here's my interpretation. Please offer any suggestions or let me know if I got this right.) We should prepare a map with storm drains, Jason's sites, DNR sites, tributaries and other features in order to guide siting discussions.

Fall field trip – Some potential sites to visit include: Some of Lynn Hooper’s habitat sites to show variability, Hinkson- Perche confluence, Moon Valley, One of the DNR sampling sites so that Dave could illustrate sampling methods, project sites or sites indicated by GIS.

Next Meeting: August 15 3-5 PM at All-State Consultants

Addendum: Important news from the Action Team meeting of July 19, 2013

1. MoRAP will do two presentations on the GIS portion of the Habitat Assessment. The first will be the detailed, technical presentation in mid to late August. You should all receive a Doodle poll invitation from Erin Keys for this presentation. A summary presentation will be prepared for the Stakeholders for their September meeting.
2. Ronnie will prepare a two-page summary report and a fuller technical summary report. Those who wish to do so will have the opportunity to edit these.
3. The action team would like to see a chemical sampling proposal, if we want to submit on, in December of this year or the first part of January. They propose that the two groups meet jointly after that to assure that the action team members can answer questions about the proposal as it goes forward. This would allow this funding request to get into the proposed City budget during their normal annual budget cycle. The County is about 2-3 months behind in budgeting, so this should work for them as well.