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# Hinkson Science Team Meeting Minutes

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A meeting of the Hinkson Creek Science Team was held on January 5, 2021, from 3:00 PM to 5:00 PM via webex call.

## Science Team Members

Name	Organization	Present/Absent for Meeting
Catherine Wooster-Brown	U.S. Environmental Protection Agency	Present
Paul Blanchard	Missouri Department of Conservation	Present
Robert Voss	Missouri Department of Natural Resources	Present
John Holmes	Allstate Consultants	Present
Robb Jacobson	U.S. Geological Survey	Present
Dave Michaelson	Missouri Department of Natural Resources	Present
Dan Obrecht	University of Missouri	Present
Enos Inniss	University of Missouri	Absent
Barry Poulton	U.S. Geological Survey	Present

**Other People in Attendance:** Michele Woolbright, Tim Rielly, Lynne Hooper, Cody Luebbering, Nicki Fueemmeler

## Minutes

The minutes for December 1, 2020 were approved.

## Discussion Items

1. Discussion on whether the Science Team should update the Science Strategy Document. Is there enough new information to warrant updating the document?
2. Reviewed the maps that John H. sent out. These include a breakdown of lane miles within sub-basins in the watershed (based on DNR monitoring sites), chloride concentrations from DNR monitoring, and a map of impervious surfaces within the watershed.
3. Discussion on chloride monitoring recommendations and communicating with the other teams.
  - Discussed how to separate impervious surfaces that might be treated with salt (parking lots) from impervious surfaces that would not be treated (buildings) in order to get a better idea of salt application during winter.

- Moving forward, does the Science Team suggest BMPs to reduce chloride inputs to the Stakeholders and Actions Teams, suggest more research into chloride in Hinkson, or both?
  - What are other municipalities doing in terms of BMPs and research on chlorides? Danelle Haake's work in St. Louis County was mentioned. Could this review be an undergraduate project?
  - Cody L. mentioned the idea of monitoring conductivity at the USGS gauging site, which was suggested in the Geosyntec Aquatic Macroinvertebrate Data Mining Report, would be a way to identify when chloride levels in the creek may be elevated and thus could be used to determine when to monitor for chloride.
  - Should future chloride monitoring be used to identify "hot-spots" or to gauge success of BMPs?
  - Sean Zeiger, a former Jason Hubbart student, is now working at Lincoln University and is hoping to re-establish gauging stations on Hinkson Creek.
  - Nikki F. discussed plans for a future meeting among the three teams. An in-person meeting is still out of the question at this point, so a virtual meeting is the most likely format. Instead of one long virtual meeting, having multiple short meetings might work best. Paul B. suggested pre-recorded presentations that could be viewed online at one's leisure, followed by a virtual discussion at a scheduled time.
  - Discussed inviting Sean Zeiger, Noel Aloysius, and others who may have interest in Hinkson Creek to future Science Team meetings.
  - Rob J. will look to revise the Science Strategy.
  - A separate document focusing on chloride will be produced (Tim R. started the process). Discussion noted it should include all data sources, an Executive Summary, lay out the science, note the importance of what we know, present the prospects of learning what else there is to know, and potential lay-out action items.
4. Boone County is working on a 319 project proposal related to chlorides and sulfates.
- Lynne H. noted she is working on putting together a study that would include chloride and sulfate monitoring in Hinkson Creek. She hopes to have something put together in the upcoming month or so, and plans to get input on sampling strategy from the Science Team.

## **Next Meeting**

The next meeting for the Science Team is currently scheduled from 3 pm to 5pm on February 2, 2021, via webex call.