

Stream Team Meeting Minutes
7:30 PM Wednesday, September 1, 2004

Present: Paul Benzing, Kelley Curran, Gene Fox, Michael Hartwig, Todd Hayes, and Bill Marshall, Chris Mikolaczyk, Erik Silldorff, Chuck Whitmore

Note: Follow-up/To-Do items are in bold type

1. Kelley reported that grass clippings have been clogging up the rain gauge at Black Brook. Most recently, this problem affected the July data download. Tree cover does not appear to be a concern.
2. Gene discussed the repairs that he made to the exposed tubing/cables at the Loantaka Brook station location. He was able to repair the problem using landscaping fabric and erosion staples. Additionally, rocks were used to keep the repairs in place. **The repairs appear to be holding but will be monitored.**
3. Michael reported a concern with sand build-up affecting the sensor/readings at the station locations. This sensor measures pressure and a correlation is made to determine the height/level of the water. Michael stated that he cleans out the pipe housing the sensor at a frequency of about once per month and that the station at Great Brook appears to be the worst. **The Stream Team will look into options to repair this recurring problem. In addition, comparisons will be made between the ISCO data and manual staff gauge readings as recorded on the station logs to see how far off the readings are from each other.**
4. The Stream Team welcomed Princeton Hydro consultants Chris Mikolaczyk and Erik Silldorff. Princeton Hydro has contracted with the Ten Towns Committee to continue the water quality monitoring program started by F. X. Browne in order to fulfill obligations under EPA and Dodge Foundation grants. Chris and Erik introduced themselves and provided background on the history and competencies of Princeton Hydro.
5. Upcoming sampling/monitoring activities, as advised by Princeton Hydro, will be the collection of four baseflow and four stormflow samples over the next year starting in October on a four-season sampling schedule.
6. Princeton Hydro informed the Stream Team of a good website to find weather station information called Weather Underground. **Kelley will check to see if there is an established station in the western portion of the watershed.**
7. IAL will be the new lab for sending samples for analysis. Princeton Hydro informed the Stream Team that this lab works double shifts including evenings. PH will arrange to have the first couple shipments of bottles sent to Kelley and all we will need to do is call IAL when we need the samples picked up.

8. Maintenance of ISCO automatic samplers
 - ⇒ Princeton Hydro informed the Stream Team that the samplers are in good condition based upon their review of the equipment.
 - ⇒ Internal batteries – replacement requires soldering; ISCO reports a 5-year lifespan; Princeton Hydro said that in their experience they have yet to see one go dead

9. Paul Benzing, professor at Fairleigh Dickinson University, presented his phosphorus study findings to the Stream Team. Highlights include:
 - ⇒ About 95% of the water in Loantaka Brook comes from the Woodland Sewage Treatment Plant
 - ⇒ On the days sampled, DRP loads appear to be nearly 100% due to the Plant
 - ⇒ While Kitchell Pond appears to reduce DRP, it is clear that large amounts of phosphorus are going downstream as organic P

10. The next meeting will be Wednesday, October 6, 2004.

Respectfully submitted by: Kelley Curran