

Stream Team Meeting Minutes  
7:30 PM Wednesday, March 3, 2004

Present: Bill Allen, Paul Benzing, Neil Borman, Kelley Curran, Gene Fox, Michael Hartwig, Todd Hayes, Robin Timmons, and Charles Whitmore

1. Bill opened the meeting at 7:30 pm.
2. Re: High pH readings observed by Morristown High School students during field trip to Loantaka Brook with Gene and Chuck. Kelley forwarded information from Lee Pollock in an email to the Team. The pH meter used during the outing read 7.13 in a 7.00 unit pH buffer when Lee tested it. As a result, readings taken during the outing were roughly 0.13 too high.
3. Re: Primrose Brook – build-up of leaves. Kelley forwarded information from Sarah Low in an email to the Team. Sarah contacted ISCO to determine how well their flow probe works with leaves around it and they said that it should work pretty well. According to Sarah, the only concern is the affect that the leaves have on the cross-section, but that since the brook is still being measured manually there should not be a problem accounting for any changes in the rating curve. She added that the best answer is probably to take measurements during baseflow before removing the leaves and again after removing the leaves, so we can determine what impact the leaves are having on the cross-sectional flow. Todd and/or Michael will plan to do this.
4. Kelley advised the Team that copies of the station log sheets that have been converted to Word documents are in the process of being placed on the GSWA website.
5. Kelley passed around laminated ISCO unit operating procedures. The plan is to have a copy in each station shed. The group asked if they could be made larger as the type is very difficult to read. Kelley will revise and have a revised copy for the next meeting. Also, Gene volunteered to test the procedures in the field for accuracy and will report back.
6. The only meeting attendee without a signature on file was Roger. Roger proceeded to sign the log.
7. Identification of problems/issues/concerns at monitoring locations:

Issue

- fell tree at Great Brook
- exposed tubing at Primrose and Great Brooks
- bent staff gauges at several location
- staff gauge at GB was repositioned; needs to be further stabilized
- bush upstream of Woodland treatment plant opposite the road is no longer there

Resolution

- observe changes in condition
- Michael offered to construct a temporary cover
- report to Sarah for resolution
- report to Sarah
- report to Sarah

- small depression that carried water from Seaton Hackney paddock has changed to a wide deep channel (upstream from the road) - report to Sarah
- siltation at Loantaka Brook station - report to Sarah

All of the issues listed above will be reported to Sarah as requested by her.

8. Inventory of equipment/keys: Chuck has the #1 long flow probe (with direction pointer) and Todd has the #2 long flow probe (no direction pointer). Chuck and Todd each have one plastic measuring tape. Bill has the short flow probe. Most, if not all, of the Stream Team members have station keys. In addition, Bill has some extra keys.
9. Robin presented all of the 2003 data collected by the Stream Team in a handout. The handout shows all analytical results as well as reference, mean, median, maximum, and minimum values for each monitoring location. No stormflow samples were collected in 2003. Robin pointed out that 2003 analytical results for Black, Loantaka, and Great Brooks were never under the reference value (standard) while several results for Primrose Brook and the Passaic River were under the reference value.
10. Bill led a discussion on the procedures for conducting flow measurements. He handed out copies of current procedures and data collection forms. Based on the group's input, both will be revised. Gene proposed that operating instructions for flow measurement be placed in plastic and stored in each ISCO shed.
11. The Ten Towns Committee (TTC) should be the repository for all original documents associated with the stream monitoring program while the GSWA will maintain copies of all in the office. Kelley agreed to periodically send all originals to the TTC office in the future.
12. Neil proposed the tentative date of Saturday, April 17 to conduct an ISCO training session. This session is to be held at the Passaic River inlet location, which has the best parking availability. Date confirmation and directions will be sent out via e-mail.
13. The next meeting will be Wednesday, April 7, 2004.
14. The meeting came to an end at 9:25 pm.

Respectfully submitted by: Kelley Curran