

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

Present: Bill Allen, Neil Borman, Kelley Curran, Roger Edwards, Gene Fox, Michael Hartwig, Todd Hayes, Bill Marshall, Al Pawlowski, Lee Pollock, Chuck Whitmore, and Jackie Wiegand

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

1. Neil moves to Anacortes, Washington 98221 next weeks where he will be volunteering in the Skagit River Watershed. Thank you Neil and best wishes in your new home. Be sure to stay in touch!
2. October Stream Team meeting minutes – approved with no changes
3. On October 26, Bill A., Chuck, and Gene performed measurements to create updated stream bottom profiles on Loantaka and Great Brooks. Bill came armed with graphs depicting the new profiles compared with the previous profiles conducted on August 15, 2002. The updated Loantaka profile clearly shows where the stream has been sanded in. The general overall stream bottom shape of both Loantaka and Great Brook is essentially the same when comparing the 2002 profile to the 2004 profile.
4. Todd presented a comparison of stream bottom profiles for Primrose Brook. Measurements were taken on the stream on July 15<sup>th</sup> of this year and again on November 3<sup>rd</sup> to determine if there were significant impacts from the hurricane-season weather experienced this year. There were in fact some changes observed. These findings, along with those in 3. above, suggest that conducting stream bottom profiles at a frequency of one time per year is worthwhile. **Additionally, we need to determine how this affects the current ratings curves.** Manual stream flow measurements were also recorded for Primrose Brook on November 3<sup>rd</sup>. The data sheet was turned in to Bill A. for analysis and archiving with a copy to Kelley.
5. Kelley is hoping to set up for a storm sample collection on Friday, 11/5. ¼” of rain in less than six hours seems to be the triggering requirement, according to Gene. Additionally, at least 8 samples must be collected by the ISCO unit to constitute a good sample. Help is needed to collect and process the samples on Friday. Gene, Bill M., Chuck, and Roger offered to help out with the collection and processing of samples. **Kelley to coordinate.**
6. Kelley informed the group that a letter has been sent to the Passaic Valley Water Commission. It is the GSWA’s hope that the PVWC will be able to analyze samples for us free of charge or at a discounted rate. Analysis would be on samples associated with the Loantaka Adopt-A-Stream program. Roger has some additional ideas on which TDS parameters should be analyzed for based on 2003 experience.

7. Roger let the group know that the USGS and NJDEP have for several years published data from two water quality monitoring sites in the Great Swamp Watershed. The sites are located on Primrose Brook in Jockey Hollow NHP, and the Passaic River at Tempe Wick Road. Annual summaries of data are available online and are useful reference sources for the relatively uncontaminated headwaters of these streams.
8. Lee hopes to report on his findings from the June 2004 MIV sampling at the next Stream Team meeting. He is currently working with his students on fall collections. The data collected during the fall semester serves a laboratory exercise. Bill A. expressed an interest in getting into more detail on limiting factors for different species of macroinvertebrates. According to Lee, very valuable information would be obtained from focused studies but the level of effort for this is extremely high.
9. Kelley is looking for help with conducting visual assessments of the streams over the next few weeks. Jackie was involved in the first round of assessments done this past summer. **Kelley will try to arrange a training session with the new Americorps member for Watershed Management Area 6 of which the Great Swamp Watershed is a part.**
10. Al probed the group as to whether anyone has looked at the correlation of instream plant life and water quality. Not much has been done in this area. Montclair State's Mike McCormick is a possible resource.
11. Lee told the group of one of his student's research work analyzing land use in the riparian corridor as it relates to the macroinvertebrate community. The NJDEP's GIS database contains a tremendous amount of information that will be useful to this project and urged everyone to have a look. The aerial photos are extremely impressive. Kelley will send out the website link to this database to the Stream Team distribution list.
12. Next meeting is scheduled for Wednesday, December 1<sup>st</sup>.

Respectfully submitted by: Kelley Curran