

**Onondaga County Department of Water Environment Protection
Tributary Audit Checklist**

Completed on: May 27, 2009

Completed by: Liz Moran, EcoLogic

Quality Assurance Project Plan Requirement (April 2009 Revision, draft)	Comment
Sondes calibrated per written procedure and logged in bound notebook	Acceptable
Bottles pre-labeled and match planned field effort	Acceptable
Chain-of-custody accurate and complete	Acceptable. New notebooks very well organized for field effort.
Wash blanks prepared on cleaned equipment and submitted to lab check-in prior to departure.	Acceptable
Field crews verify that all equipment is loaded into vehicles prior to departure	Acceptable. Checklists good
Schedule and sequence of sites are reviewed prior to departure	Acceptable. We conferred with Dan Walpole to coordinate working with B and A crews.
Safety precautions observed	Acceptable. Cones are used consistently. Safety vests on most staff.
Field team verifies correct location prior to initiating sampling	Acceptable. Marks on bridges have been repainted.
Samples collected per QAPP	Acceptable
Duplicate sample collected	Acceptable
Water mixed in churn	Acceptable
Bottles rinsed with sample water prior to filling	Acceptable
Field filtration SRP, TDP samples	Acceptable
Preservation in accordance with QAPP	Acceptable, verified with dip strips.
Proper equipment used for each sampling location	Acceptable
Field crews observe ambient conditions and make notes as needed	Acceptable
Field crews properly trained and understand assignments	Acceptable (new staff rotating in for training)

Summary: Janaki Suryadevara and I accompanied the AMP technicians and had the opportunity to observe both crews (A and B).

We began at Ley Creek (Park St) with B crew, dunker site. We did not walk upstream to the automated sampling station, but began a discussion about how to best utilize this new technology. The DO concentration at Ley Creek was lower than had been observed in recent sampling events (less than 70% saturation). Chris Gandino verified the reading by swapping out to the back-up calibrated sonde.

Next station was Harbor Brook at Hiawatha, remaining with the B crew. Sampling proceeded in accordance with the QAPP. We inspected the rebuilt structure housing the automated ISCO sampler. We also went up to look at the FCF and noted there were no bags.

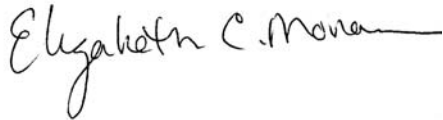
Remaining with Crew B, we traveled to Liverpool to observe sampling of the upstream location on Bloody Brook. There is no staff gauge at this site. Stream is shallow and is appropriately sampled with the dip bottle.

Our last stop with Crew B was Sawmill Creek within Onondaga Lake Park. This small stream is also sampled using a dip bottle.

We then met Crew A at Onondaga Creek at Kirkpatrick St. Sampling proceeded according to the QAPP at this site as well.

Overall, the tributary sampling was well-organized; sample collection and documentation followed the written protocols. The equipment is well-maintained.

I have no specific recommendations as a result of the audit.

A handwritten signature in black ink that reads "Elizabeth C. Monahan". The signature is written in a cursive style with a long horizontal line extending to the right from the end of the name.