

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

Completed on: May 5, 2009

Completed by: Liz Moran, EcoLogic

<b>Quality Assurance Project Plan Requirement (April 2008 Revision)</b>	<b>Comment</b>
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
Wash blanks prepared on cleaned equipment and submitted to lab check-in	Acceptable
Field crews verify that all equipment is loaded into vehicle prior to departure	Acceptable (new check list)
Schedule and sequence of sites are reviewed prior to departure	Acceptable (S. Deep., N. Deep for bacteria, plus nearshore)
Field team verifies correct location prior to initiating sampling	Acceptable. Buoys are used at South and North Deep sites. Targets on shore for nearshore samples, and depth finder.
Samples collected per QAPP	Acceptable.
Duplicate sample collected	Acceptable,
Equipment markings maintained and legible	Acceptable
Submersible pump allowed to run for sufficient time to purge system of previous sample	Acceptable.
Tube composites sampled properly	Acceptable
Depth composites determined in field using proper reasoning and reference to SOP	Acceptable. Notebook of profiles on board; used paper to plot profile.
Water mixed in churn at proper rate	Acceptable
Flow meter for zooplankton net tow calculations	Acceptable
Bottles rinsed with sample prior to filling	Acceptable.
Field filtration SRP, TDP samples	Acceptable
Field crew discusses and reaches correct decision regarding collection of sulfide samples	Not observed (DO remained near saturation at 18 m).

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Preservation in accordance with QAPP	Acceptable
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. Discussed topics for training session with new staff; recommended how lake water quality has changed in response to Metro improvements.

Summary: Janaki Suryadevara and I accompanied the AMP field staff: Dan Walpole, Chris Gandino, Alex Studdert and Mark Halbritter on the lake sampling event. Sampling went extremely smoothly. Sample collection and handling proceeded in complete accordance with the plan and QAPP. The recommendations from 2008 have been implemented.

Dan Walpole's organization of the equipment and paperwork is exemplary.