Adirondack Lake Assessment Program

Sample Information Sheet

PLEASE COMPLETE ONE SAMPLE INFORMATION SHEET FOR EACH SAMPLE TAKEN FROM THE LAKE.

Lake Name	
Sample Date and Time	
Bottle Number (on the bottom of bottle):	
Name of Town or Hamlet:	
Collectors Name:	
Collectors Contact (phone or email):	

MAKE TWO SECCHI DISK OBSERVATIONS FROM THE SHADY SIDE OF THE BOAT WHITHOUT THE USE OF SUNGLASSES.

Please indicate meters or feet

Secchi Depth Observation 1:	
Secchi Depth Observation 2:	

In the space below please provide any observations on the weather or any unusual occurrences that may influence the results.

This space is for lab use only

Received sample #

ALAP Sampling Protocol - Quick Reference Guide*

Equipment Check List		
Boat	Integrated tube sampler	Membrane filter
Anchor (if possible)	1 Liter brown bottle	Tweezers
Life jackets	Secchi disk	Aluminum foil
Cooler with ice	Filtering apparatus	AWI sample bottle
Sample info sheet	Pencil	Sharpie marker

1. During the scheduled sampling week, travel to the deepest part of the lake and set an anchor (if possible). Fill out the sample information sheet with appropriate descriptive information and label the sample bottle and zip lock baggie with a sharpie

2. Thoroughly rinse the integrated tube sampler, brown bottle, and the AWI sample bottle with lake water a minimum of three times each.

3. Observe the secchi transparency from the shady side of the boat by lowering the disk to the point where it disappears. Record the depth where it is no longer visible on the information sheet as secchi reading #1. Lower the disk a few more feet and then slowly pull it back up until it reappears. Record the depth that it reappears as secchi depth #2.

4. Lower the integrated tube sampler into the lake to the 2 meter line. Insert the cork into the tube and pull the tube up from the bottom so none of the captured water is lost. Empty the contents of the tube into the brown bottle and mix thoroughly.

5. Fill the AWI sample bottle by pouring lake water from the brown bottle. Only fill the sample bottle to just below the shoulder so that it does not break in the freezer. Cap the bottle and put it on ice until it can be frozen.

6. Place a membrane filter in the apparatus and make sure it is positioned correctly and both O-rings are in place. Assemble the filtering apparatus and pour 250 mL from the brown bottle into the filter reservoir. Use the hand pump to filter the lake water.

7. When the 250 mLs are completely filtered disassemble the apparatus and remove the membrane filter with tweezers. It is helpful to release the pressure from the apparatus before attempting to remove the membrane.

8. Fold the filter in half (algae side in), then in half again and wrap in foil. Place the foil in the labeled zip lock bag and put it on ice right away. The chlorophyll will rapidly degrade if not kept cool.

9. Make sure the sample information sheet is complete. Fold it up and place in the zip lock bag with the filter. Attach the bag to the bottle with a rubber band and freeze immediately.

10. Drop the frozen sample off at the Adirondack Watershed Institute of Paul Smith's College or regional collection hub during the scheduled collection week.

* This is a "quick reference guide". Refer to the sampling manual or training video for detailed explanation of the sampling protocol.