

Appendix 2: Sample Collection Summary Sheet

6-Foot Integrated Sampler on Lake

1. Gather your reporting form, lake map, PFD, chemistry equipment, and Secchi disk. Motor to the deep hole or other designated sampling site. Anchor boat.
2. Remove sunglasses. Go to shady side of boat. Using clothespin method, take Secchi reading and record on datasheet. Complete water aesthetics survey.
3. Record weather and other observations.
4. Rinse integrated sampler and water collection bottle three times with lake water. Collect a 6-foot integrated water column sample. Empty water into the water collection bottle. Store sample in a cool, shady spot until you return to shore.
5. Collect and record temperature readings for your pre-selected depths.
6. If you are monitoring oxygen levels, use Van Dorn to collect water samples (depths selected by CLMN coordinator) and run the analysis for titration (summary attached).

NOTE: If you monitor more than one site, you should have a separate water collection bottle to collect water from each site.

On Shore Procedure

1. In a shady spot, gently mix the water sample in water collection bottle and fill the phosphorus bottle. Put on safety goggles and gloves. Add vial of sulfuric acid to phosphorus bottle.
Label phosphorus bottle. Place sample in refrigerator until ready to mail. Triple rinse the used acid vial(s) and dispose in garbage.
2. For chlorophyll analysis determine amount of water to filter based on your Secchi disk reading from that day. Gently shake remaining water in water collection bottle. Using the graduated cylinder, measure water to be filtered. Using forceps, place filter over the support screen on the funnel base of magnetic filter cup. Pour water from graduated cylinder a little at a time into filter cup. If filter clogs and water does not filter, refer to your manual.
3. Pump water through filter. Use distilled water to rinse inside of filter cup so all lake water has been rinsed from filter cup and has gone through the filter.
4. Using forceps, place chlorophyll filter in plastic tube from WSLH mailer.
5. Label tube and keep tube in freezer until ready to mail.

Amount of water to filter for chlorophyll sample is based on your Secchi reading for that day.

Secchi Depth	Volume of Water to Filter
1 Foot	50 mls
1 - 1.5 Feet	100 mls
Greater than >1.5 Feet	200 mls