

## Sampling Instructions

You will need:

- ✓ Secchi Disk
- ✓ Integrated Sampler – ask us for instructions on how to make your own
- ✓ 2 sampling bottles per site (1 large, 1 small) – contact us for bottles
- ✓ Cooler with cubed ice
- ✓ Field Data Sheet (one for each site) – contact us for sheets
- ✓ Yardstick

Take the first sample in May and sample (as close as possible) every 30 days after the first sampling through September. Do not sample during a rain event and wait at least four hours after a rain event before sampling. **Do not wear any clothing that you have smoked in and do not smoke before or during the sampling procedure.**

Secchi Disk and Temperature:

1. Lower the Secchi disk into the water until it is no longer visible and then some.
2. Slowly bring the disk back towards the surface until you just start to see it. Mark the rope at the water's surface with your hand.
3. Measure the distance from your hand to the Secchi disk (the depth) using the yardstick and record it on the Field Data Sheet. *Tip: mark your Secchi rope every 5 or 10 feet to make measuring easier.*

Sampling:

1. Lower the sampling pipe (check valve first) into the water to the 2-meter marked line.
2. Lift the pipe out of the water and empty it out on the opposite side of the boat.
3. Repeat steps 1 and 2 two more times to rinse sampler.
4. Lower the pipe again into the water up to the 2-meter marked line. Stopper the open end of the pipe and tip the pipe back and forth to mix the water. It's ok if some water leaks out.
5. Fill the small container all the way, cap the container immediately and place in the cooler.
6. Fill the large container all the way, cap the container and place in the cooler immediately.
7. Fill in all information on the Field Data Sheet.
8. Keep all samples on ice in the dark cooler and deliver to AWRL within 24 hours.

***Sample drop off hours are Monday through Thursday 8am-4:30pm, Friday 8am-4:00pm***

**If you are shipping your samples to us they must be kept in the dark and be received at our lab by the next day. Don't forget to send your completed Field Data Sheet(s) with the samples.**

*Please call our office with any questions: 218-829-7974*

*Thank you for participating in this important study!*