



Stream Nutrient Monitoring Program

Baseline Monitoring Protocol - ADW/Wayne County

1. On the morning of sampling, check the weather and temperature, and record information on the field data sheet.
2. Pick up supplies/equipment and sign them out at the YCUA lab maintenance room. Refer to the procedures on our volunteer resources page for details -- [YCUA Sample and Equipment Drop-Off Procedure](#). Calibrate the DO meter prior to going out in the field, instructions are on the clipboard.
3. Take the water sample bottles (adhere the labels prior to going out into the field), conductivity meter, dissolved oxygen meter (turn on and calibrate do meter prior to going out), depth-setting rod and flow meter, bucket sampler, waders (if necessary), data sheets, clipboard and other sampling materials to the stream access location.
4. At the sampling location, record the date and time on the sampling bottle labels the sampling bottles.
5. Using the meters take the readings and record on the field data sheet.
6. Make note of any unusual conditions at the site, such as high flow, unusual turbidity, water color, etc.
7. Collect the water samples, using the bucket or grab method. **Remember to: 1) face upstream, 2) avoid touching bottle lip or collecting stirred-up sediment, and 3) rinse bottle 3 times before taking sample.**
8. *If measuring flow:* Using the Marsh McBirney flow meter, measure the waters' depth and velocity along the transect of the stream or river channel (*see flow data sheet for flow directions*).
9. Place the water samples in the cooler with ice packs and take them to the YCUA lab.
10. Return the monitoring equipment to YCUA, along with your field data sheets. Fill out the sample drop off form and put samples into refrigerator. Sign in the equipment and put the data sheets in the completed datasheets folder.