

Basically the process is simple - take a water sample, drop it off for analysis, once a month.

Written below are some details that many people want to know. If you don't want to read this, give me a call at 529-5811, and I can explain it to you in about 5 minutes. If I'm not available, ask Betty or Monica (at that number) to help.

### **To get clean bottles:**

The plan is to have bottles available

all day on Fridays at

Boyd Hall (Western Campus, Miami Univ)

and late Friday afternoons (after five) at:

Ross Township Fire Station (new fire station in Millville)

Butler County Engineer's Office (route 4, Hamilton),  
and

Barn N' Bunk Market in Trenton

and on Saturday mornings (between 8 and 10) at

The Oxford Farmer's Market (uptown Oxford)

The Talawanda Farmer's Market (Talawanda High School)

Take the number of bottles you think you will need. If you don't use them one month, keep them for the next month.

At each location, there will be a cooler with empty sample bottles and instructions on taking samples.

## **Sampling:**

**Sampling Time:** It is most effective for our "synoptic measurement" if the samples are taken between 8 and 10 a.m. on Saturday. In any event, note the time of collection on the bottle along with the other information.

**Location:** Pick a site that is convenient for you to collect. If it duplicates another person's site, we'll be happy for the duplicate. We desire to have a broad distribution of sample sites. We also want the fullest participation by the community. If you are able and willing, we know of sites that need collectors, and we'd be delighted to have you sample one of them.

**Where in the stream?:** Safety. Make sure you keep yourself safe. Many streams have steep banks, some have deep areas. Be safe, real safe.

Sample the fastest flowing part of the stream. This may not be possible from the stream banks; but do the best you can. We have designed a sampling basket that can be lowered from the bridge to get the central, fast-flowing portion of the stream. Ask us if you want to use one. The training is very, very easy.

**Cleanliness protocol:** Rinse the bottle with the water you will then collect. Get some water in the bottle, shake it in the bottle, and be sure to rinse the bottle top. Then collect as full a sample bottle as possible.

**Notes:** Each bottle has a label on the outside for you to complete. Use pencil or pen or sharpie, but not something that will easily wash off. We generally write on the bottle BEFORE taking the sample because a wet

bottle is often difficult to write on. Complete as much of the label as possible.

## **Sample Drop-off**

**Where:** The drop-off sites are the same as the bottle pick-up sites. At each site, the cooler will be picked up at 10:30 a.m. on Saturday to bring the samples back to the lab (11 am in Oxford locations). If you wish, you can pick up clean bottles for next month's sampling at the same time you drop off the filled sample bottles.

## **Laboratory Analysis**

**Where:** Boyd Hall, Miami University

**When:** Analyses begin at 11:30

**What:** There are many procedures to do and measurements to be made. We will train you.

Contact: Mark Boardman ([boardman@muohio.edu](mailto:boardman@muohio.edu) or 529-5811) or Monica Rakovan ([rakovamt@muohio.edu](mailto:rakovamt@muohio.edu) same number)

Thanks for your help.

Mark.