

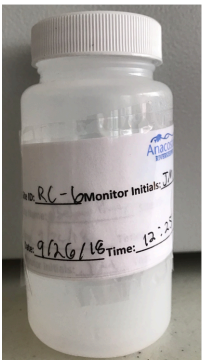




Bacteria Monitoring Streamside Cheatsheet

Cooler Contents (*Freeze the Ice Pack!)

- Ice pack (Freeze it!)
- Clear, sealed e. Coli bottle
- Sample labels & tape
- Thermometer (DO NOT leave in cooler with ice)
- pH strips
- Volunteer Monitor Field Sheet & Recreational Survey Data Sheet
- Chain of Custody Sheet
- Gloves, pens, and markers!

| Test | How? |
|---|--|
| Air Temp | <ol style="list-style-type: none"> 1. Measure air temp first before water temp! 2. In shade, wait 3 mins 3. Record result on Monitor Field Sheet  |
| Water Temp | <ol style="list-style-type: none"> 1. Submerge 6 inches, wait 3 mins 2. Record result on Monitor Field Sheet |
| pH | <ol style="list-style-type: none"> 1. Verify the strip is not discolored! 2. Dip strip upstream 60 secs 3. Remove, wait 2 mins 4. Record result on Monitor Field Sheet  |
| Bacteria Sample | <ol style="list-style-type: none"> 1. Label top of bottle cap with site name (CJ1/CJ2/CJ3) and date 2. Walk upstream to the sample location. Do not stir sediment where you will collect the sample. 3. Uncap but DO NOT rinse the bottle, it has a powder preservative. 4. Find a deep spot 6 inches is possible. 5. Scoop the container upstream into the water up to 6" if possible. Fill to 100ml line. 6. Cap the bottle & label it (site, date, initials). Tape label. 7. Place it in the cooler with an ice pack.  |
| Complete Sample Custody Sheet, Deliver by 9am to FoCJC collection site | |



Testing Sites

We monitor bacteria bi-weekly from June through mid-Sep at three(3) sites along Cabin John Creek (see below).

| | | |
|---|------------------|--|
| CJ-1: FoCJC WQM Site 1 - CJ Local Park | Cabin John Creek | Cabin John Local Park (MacArthur Blvd): Site is at the picnic table by the creek at the first trail down to the creek. 38°58'29.5"N 77°08'58.9"W Site 1 Map Location |
| CJ-2: FoCJC WQM Site 2 - Locust Grove Nature Center | Cabin John Creek | Locust Grove Nature Center: Take the trail at the nature center over their footbridge to the left at the stairs. Walk down the steps to the creek trail and then turn right onto the CJ Trail to the first bench overlooking the creek before the big sycamore tree. 39°01'32.6"N 77°09'29.2"W Site 2 Map Location |
| CJ-3: FoCJC WQM Site 3 - Goya Dr | Cabin John Creek | Goya Drive: Take the CJ Trail at the end of Goya Dr then your second left down to the creek. This is a popular crossover to the other side for mountain bikers so move upstream a little so you don't get disturbed. 39°03'05.5"N 77°09'19.4"W Site 3 Map Location |

*Funding for this program provided by: Montgomery County Department of Environmental Protection, Montgomery County Water Quality Protection Fund





Safety Precautions

We want to assure all volunteers that their health and safety is the number one priority.

General Safety Considerations

1. We recommend that you visit your monitoring site(s) with a partner or, at least, notify someone when you leave your house (and return) from monitoring.
2. Always put safety first. Never monitor if you are feeling ill, during inclement weather (such as heavy rain) or during high-flow conditions.
3. Take caution when standing/sampling along the stream bank and avoid excessive contact with the water.
 - Wear gloves when coming in contact with the water (such as when grabbing a water sample or testing pH).
 - Wash your hands or use hand sanitizer immediately after collecting your water samples
 - Do not eat, drink, or smoke while collecting water samples
4. It is good practice to have a first aid kit available for cuts and scrapes.
5. Be aware of your surroundings and be respectful of wildlife.
 - When you get home, always do a tick check if your site requires walking through woods or tall grass.